Undergraduate Summer 2023 Paid Internships
IDFG Fishery Internships

Internships:

R1 Panhandle Fishery & Communications Aid
R3 Resident Fish Research
R4 Niagara Fish Hatchery
R7 Pahsimeroi Fish Hatchery
R7 Salmon Fisheries

Payment: The stipend will be distributed to student accounts in three separate payments. One installment at the beginning, one at the middle and one at the end of the internship.

To apply:

Interested applicants should submit the following information in a single PDF to Patience Mateer (pmateer@uidaho.edu) by Wednesday Jan 18th.

1) a letter of interest
2) a resume which includes contact information for 3 references
3) unofficial transcripts

Please submit a separate application for each internship that you are interested in applying for. Zoom interviews will be held in late January or early February.
**Undergraduate Summer 2023 Paid Internship**

**IDFG Panhandle Fisheries & Communications Aid**

**Location:** Panhandle Region

**Dates:** May 15th - August 15th
40 hours a week

**Supervisors:** Dustin Masin, T.J Ross, Ken Bouwens, Wendy Koons

**Financial Support:** $7,200 stipend. Additional $415 for internship credit. Housing will not be provided.

**Job Duties:** Applicant will have an interest in entering a natural resource field with a special interest in public speaking and education. The successful applicant will participate in multiple education programs assisting and teaching youth in spring and summer field trips. They will also aid the Idaho Department of Fish and Game with deploying the “Take me Fishing” and “Fisheries Education” Trailers.

To provide a broad exposure to the various positions available in the IDFG, the intern will assist when available with fisheries management field work including backpack electrofishing, Lake Trout suppression, westslope cutthroat abundance netting, habitat restoration, conservation officer ride-alongs, and any other programs that work with the applicant’s schedule. In addition, the applicant will assist with hunting and shooting sport skills classes at the Farragut Shoot Range Center, hunter education and potentially trapper education. The applicant will also assist with maintenance, operations and education activities at the Waterlife Discovery Center.

The applicant will be expected to develop an interpretive presentation complete with a lesson plan along with necessary props and educational materials to be used in conveying a fisheries management concept to students at a 5th grade age level. This program will be provided to IDFG for continued use in the Pend Oreille fisheries education program in the future. The intern will present this interpretive program to fisheries professionals or potentially to a student field trip dependent on availability of the intern during scheduled field trips.

**Qualifications/Skills:**
- Understanding of the scientific method and research methods
- Developed communications skills – verbal and written
- Comfortable speaking to the public and in front of groups ranging in size from 5-50 people
- Experience in producing their educational programs or lessons
- Ability to communicate with a broad range of ages from 3rd grade students to adults
- Valid drivers license along with the ability to haul and back up a 16ft enclosed trailer
- An interest or familiarity with fisheries management of sport fishing methods preferred but also not necessary

**Expected skill and knowledge the intern will gain:**
- Confidence in speaking with the public
- Hands-on familiarity with management tools currently used by fisheries scientists
- Experience in a broad range of IDFG programs including:
  - Law Enforcement – Conservation Officers
  - Field Research – Fisheries Biologists
  - Data Collection – Research
  - Habitat Restoration – Environmental Biologists
  - Private/Public partnership and grant programs – Avista mitigation programs
  - Communications – Volunteer Coordinator and Communications Bureau
- Boat operations and maintenance experience
- Program development experience as the fisheries education program continues to grow
- Possibly some content creation exposure in developing short educational videos
**Undergraduate Summer 2023 Paid Internship**

**IDFG Resident Fish Research**

**Location:** Region 3, Nampa Fisheries Research

**Dates:** May 15th – August 18th
40 hours a week

**Supervisor:** Jenn Vincent

**Financial Support:** $7,800 stipend.
Housing will not be provided.

**Job Duties:** The selected intern will assist field staff and biologists with various sampling efforts related to statewide fisheries research from three major research programs: lakes and reservoirs research, wild trout research, and hatchery trout research. Specific work elements for the 2022 season associated with these programs includes alpine lake surveys, electrofishing in streams, transporting and stocking fish in streams and lakes, fish tagging, hook and line sampling, gill net surveys in lakes and reservoirs, fish dissections and removal of ageing structures. The intern will be part of a field crew ranging weekly from 2 to 11 staff. Activities will often involve multi-day overnight dispersed camping trips ranging from 1-4 nights around the state. All field and camping equipment including food while camping, tents, sleeping bags, sleeping pads, waders, headlamps, and backpacks will be provided. Some of this work is physically challenging, such as wading upstream through swift current or hiking up to ~8 miles per day while carrying backpacks up to 50 lbs.

Common duties include but are not limited to: collecting, recording, and managing field data; measuring and tagging fish; carrying buckets, backpacks, dipnets and backpack shockers while electrofishing streams, rivers, and lakes; wading/working in swiftly-flowing water; backpacking; gill netting alpine and lowland lakes; stocking fish; travelling to hatcheries and tagging fish; cleaning, and repairing equipment; operating, transporting, and maintenance of boats and vehicles. The most important trait for this position is a strong work ethic, with an emphasis on physical work. Additional characteristics of a successful incumbent are initiative to prepare for and complete anticipated tasks, a strong attention to detail, willingness to follow directions and complete tasks as assigned, and the ability to work well with a team and promote a safe working environment.

**Qualifications/Skills:** Minimum qualifications require (1) year of college in fisheries, biology, or related field, or equivalent in training and work experience required. Preferred qualifications include but are not limited to experience collecting and managing data, navigation with topographical maps and GPS, a strong work ethic, the ability to follow directions, and work within a team.

**Expected skill and knowledge the intern will gain:**

- Conduct work alongside multiple experienced IDFG fisheries biologists and temporary staff on various research projects on a variety of fish species
- Develop core fisheries field sampling techniques including fish identification, field data collection, electrofishing, gill netting, tagging fish, fish dissection, and extraction of fish ageing structures
- Experience conducting multi-day work trips working and camping with several biologists and temporary employees hired from across the country with varying college degrees and prior work experience
- Develop communication and interpersonal skills
- Gain insight into working for a state government agency
Undergraduate Summer 2023 Paid Internship
IDFG Niagara Fish Hatchery

Location: Region 4, Wendell ID

Dates: May 15th – August 11th
40 hours a week

Supervisors: Kevin Kincaid, Steve Stowell, Dylan McGarry, Rylee Olson

Financial Support: $7,800 stipend.
Additional $415 for credit
Housing will be provided.

Job Duties: Perform fish culture duties at a large Steelhead production hatchery (1.8 million steelhead), and small White Sturgeon facility (2500 sturgeon). Fish culture responsibilities will include weighing fish feed, hand feeding fish, sweeping and collecting mortality on 38 indoor vats, sample counts, sorting through macrophytes and collecting sturgeon eggs, incubating steelhead eggs, cleaning 16 two-foot round sturgeon tanks, and maintaining hatchery grounds and an Idaho Power day park. Collecting monthly data including fish per pound, oxygen levels and flow rates. Other responsibilities will include assisting permanent staff in the implementation of the day to day fish culture activities at the hatchery, data entry, and helping with routine hatchery duties.

Qualifications/Skills:
Previous work experience and/or education in Aquaculture, Natural Resources or Biological Science is preferred but not mandatory
Will need mechanical experience/skills sufficient to operate small machinery, pumps, lawn care equipment and perform general maintenance. Must be able to handle responsibility and work independently. Applicant will be required to work outdoors in and around water. Irregular work schedules are frequent; weekend, holiday and evening work will be required. Applicant must possess a valid driver’s license.

Expected skill and knowledge the intern will gain: The intern will learn skills in collecting and sorting through macrophytes for sturgeon eggs, steelhead egg disinfection process, steelhead and sturgeon egg incubation, steelhead and sturgeon husbandry techniques, Steelhead and sturgeon feeding, fish health techniques, biosecurity protocol, and vaccination process for Furunculosis disease in steelhead. Furthermore, sound data collection and entry, working independently and with a team, working with outside agencies such as Idaho Power Co., equipment maintenance and upkeep, and water allotments. They will also gain skills and knowledge in operating hatchery equipment such as 3 UV water disinfection pots, drum/disk filters, hot water system, and 3 travelling bridges for outdoor raceways.
Intern will be expected to produce an intradepartmental presentation/paper/report during the course of this internship.

Housing: Furnished 4 bedroom 2 bathroom dorm with shared living room and kitchen. Kitchen is stocked with utensils, pots, pans, etc. Washer & Dryer.
Undergraduate Summer 2023 Paid Internship
IDFG Pahsimeroi Fish Hatchery
Biological Aid Intern

Location: Region 7 May, ID, Ellis, ID
Dates: June 5th – late September
40 hours a week
Supervisors: Morgan Fife, Daniel Bell
Bradyn Ford
Financial Support: $9,600 stipend. Additional $415 for credit
Housing will be provided.

Job Duties: Intern will assist hatchery staff during summer chinook trapping and spawning operations. The main duties of this position will involve, but are not limited to:

- Maintenance of hatchery buildings, grounds and equipment (e.g., mowing, trimming, irrigating, power washing, painting, etc.).
- Rearing juvenile chinook salmon (e.g., feeding, sample counts, cleaning screens, picking morts, etc.).
- Trapping/sorting broodstock and assisting in spawning events (e.g., handling/netting fish, assisting in collection of milt/eggs, cleanup/washdown, etc.).
- Assisting with chemical treatments as needed.
- Supporting hatchery staff with complete and accurate record keeping.
- Safe operation and maintenance of all hatchery vehicles and equipment.

Qualifications/Skills: The ideal candidate for this position will have a high level of interest in hatcheries as a career. It is important that the candidate understands and is willing to perform all hatchery duties. A positive attitude and eagerness to work are necessary. Excellent communication skills (verbal and written) are highly valued and important for interacting with the public, fellow staff members and cooperating agencies. Construction and/or trade skills are highly desired. It is extremely important that interns are attentive and alert to site hazards when working or operating vehicles/equipment.

Expected skill and knowledge the intern will gain: Pahsimeroi Fish Hatchery offers a complete range of hatchery experience. Interns will develop an understanding of anadromous hatchery operations and IDFG fish production programs. Interns will assist with trapping, spawning, incubating, rearing and releasing fish. Opportunities to assist other hatcheries and regional projects are provided if/when available and the work schedule allows.

Housing: Dormitory style housing (2BR 2BA) provided with shared living, dining and kitchen. Dorms are furnished with new beds (queen), washer, dryer, refrigerator, stove, microwave and cookware. High-speed internet provided. Interns are required to keep dormitories clean and presentable. Common areas and kitchen should be maintained and trash taken out regularly. Dorms should be vacuumed at least once per week.
**Undergraduate Summer 2023 Paid Internship**

**IDFG Salmon Fisheries**

**Location:** Salmon Region, Salmon

**Dates:** May 22\textsuperscript{th} – August 11\textsuperscript{th}
40 hours a week

**Supervisors:** Jessica Buelow & Brett Kelly

**Financial Support:** $7,200 stipend.
Additional $415 for credit
Housing will be provided.

**Job Duties:** Primary duties include performing physical habitat surveys, participating in the oversight and monitoring of habitat improvement projects, backpack and barge electrofishing, snorkel surveys, and operating fish traps and weirs. Work will be conducted both in frontcountry areas and in high elevation backcountry areas. Field work will involve handling and PIT-tagging salmonids (including ESA-listed fish), collecting biological data (weights, lengths, DNA, scales, etc.), and maintaining field equipment. Additional duties will include data management (recording, organizing, and error checking in multiple databases).

**Qualifications/Skills:**
Applicants should be working towards a BS degree in fisheries or a related field. Relevant fisheries work experience/training is preferred but not mandatory. Applicant must be able to maintain a positive attitude and work ethic through uncomfortable conditions. Applicant must be able, with or without reasonable accommodations, to lift up to 60 pounds, pack up to 40 pounds for several miles, walk up to ten miles a day along stream banks and trails, and work in all weather conditions. Applicants must be at least 18 years of age and possess a valid driver’s license. Must accommodate a flexible schedule (holidays, weekends, and nights) and be willing to work for 8 consecutive days.

**Expected skill and knowledge the intern will gain:**
- Fish population and habitat sampling/characterization methods
- Habitat restoration theory and practices
- Fish identification, handling, and processing
- Knowledge of IDFG operations and job opportunities
- Critical thinking in remote work scenarios
- Data management and analysis

Intern will be expected to produce a public presentation during the course of this internship.

**Housing:** If necessary, intern can stay in department provided camper trailer at local campground.