

## *Undergraduate Summer 2024 Paid Internships*

# **IDFG Fishery Internships**

### **Internships:**

R1 Panhandle Fisheries Communication Aid

R1 Panhandle Aquatic Education and Fisheries Research

R3 Resident Fish Research

R4 Niagara Springs Fish Hatchery

R7 Pahsimeroi Fish Hatchery – Biological Aid Intern

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 Lee Berryhill ([lberryhill@uidaho.edu](mailto:lberryhill@uidaho.edu)) by Friday Jan 19<sup>th</sup>.

- 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 2024 Paid Internships*

### **IDFG Panhandle Fisheries and Communications Aid**



**Location:** Sandpoint/Hayden/Coeur D'Alene

**Dates:** May 15<sup>th</sup> – August 7<sup>th</sup>

40 hours a week

**Supervisors:** Dustin Masin and Ben Birdsall

**Financial Support/Stipend:** \$600/week for up to 12 weeks

Additional \$441 for internship credit.

**Housing:** Housing will not be provided

**Intern is expected to give a public presentation**

**Job Duties:** Intern will be expected to present information in front of large groups of various ages describing life history of salmonids, fishery management methods, and identification of various Idaho fishes. In addition to outreach and education, the intern will have the opportunity to assist with fisheries staff in research and management objectives within the Pend Oreille basin and conduct law enforcement projects in the tributaries of Lake Pend Oreille with local conservation officers.

#### **Qualifications/Skills needed:**

##### **Applicant must:**

- Possess public speaking experience with a willingness to engage with the public about fisheries management objectives
- Be familiar with basic fish identification characteristics and life history information
- Possess a drivers license and be capable of towing and backing a 16-foot enclosed trailer with a 4x4 pickup truck
- Be willing to monitor remote electronic equipment without direct supervision with moderate computer skills

##### **Expected skills and knowledge the intern will gain:**

The applicant will have the opportunity to:

- Develop skills in public speaking
- Discuss management and regulation objectives with the public
- Gain familiarity with common fishery management tools and equipment
- Work with multiple divisions in Idaho Fish and Game including fisheries, communications, and enforcement

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## *Undergraduate Summer 2024 Paid Internship*

### **IDFG Panhandle Aquatic Education and Fisheries Research**



**Location:** Coeur d'Alene and Bonners Ferry

**Dates:** mid-May - mid-August

40 hours a week

**Supervisors:** T.J. Ross and Troy Smith

**Financial Support/Stipend:** \$600/week for up to 14 weeks

Additional \$441 for internship credit.

**Housing:** Housing will not be provided

**Job Duties:** Intern will assist with communications (education), fisheries research (white sturgeon), shooting range, and nature center related tasks. Other tasks, as needed and assigned. For communications, intern will assist with implementing aquatic education and learn-to-fish field trips for students grades 3-4. Intern will also assist with needs and classes at the Farragut Shooting Range Center and the Waterlife Discovery Center. For fisheries research, intern will assist with field work for white sturgeon on the Kootenai River.

#### **Qualifications/Skills needed:**

Strong work ethic and desire to learn. Experience with fishing and fisheries preferred, but not required.

#### **Expected skills and knowledge the intern will gain:**

Speaking to groups of children, interacting with the public on behalf of Idaho Fish and Game, conducting various fisheries-related field work.

**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.

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## *Undergraduate Summer 2024 Paid Internship*

### **IDFG Resident Fish Research**



**Location:** Nampa Fisheries Research Office

**Dates:** May 20<sup>th</sup> – August 16<sup>th</sup>

**Supervisor:** Jenn Vincent

**Financial Support/Stipend:** \$600/week for up to 13 weeks

**Housing:** A trailer can be provided for housing

**Job Duties:** The 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 2024 season associated with these programs includes backpacking, alpine lake surveys, wading and electrofishing in streams, transporting and stocking fish in streams and lakes, fish tagging, hook and line sampling, gill net surveys in high mountain lakes and reservoirs, fish dissections, removal of ageing structures, data entry and processing of ageing structures. The intern will be part of a field crew ranging from 1 to 15 staff. Activities will mainly involve multi-day overnight dispersed camping trips ranging from 1-4 nights around the state. All field and camping equipment including tents, sleeping bags, sleeping pads, waders, headlamps, and backpacks will be provided. Some of this work is physically challenging, such as wading upstream in streams through swift currents or hiking up to ~10 miles per day while carrying backpacks up to 50 lbs.

Common duties include: 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; data entry; and processing of ageing structures. 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, the ability to work well with a team and promote a safe working environment.

#### **Qualifications/Skills needed:**

Minimum qualifications require (1) year of college in fisheries, biology, or related field, or equivalent in training and work experience required. Must possess a valid driver's license. 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 skills and knowledge:** Conduct work alongside multiple experienced IDFG fisheries biologists and temporary staff on various research projects working with a variety of fish species. Develop core fisheries field sampling techniques including fish identification, field data collection, backpack and boat electrofishing, gill netting, tagging fish, collecting fish tissue samples, fish dissection, and extraction of fish ageing structures. Experience conducting multi-day work trips around the entire state 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.

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## *Undergraduate Summer 2024 Paid Internship*

### **IDFG Niagara Springs Fish Hatchery**

**Location:** Wendell, Niagara Springs Fish Hatchery

**Dates:** mid-May – August 16<sup>th</sup>

**Supervisor:** Kevin Kincaid, Steve Stowell

**Financial Support/Stipend:** \$600/week for up to 15 weeks

Additional \$441 for internship credit

**Housing:** Housing is 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 needed:**

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. The 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 skills 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.

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## *Undergraduate Summer 2024 Paid Internship*

### **IDFG Pahsimeroi Fish Hatchery – Biological Aide Intern**



**Location:** May, Idaho and Ellis, Idaho

**Dates:** June 5<sup>th</sup> (tentative) – September (negotiable)

**Supervisor:** Morgan Fife, Daniel Bell, Bradyn Ford

**Financial Support/Stipend:** \$487/week for up to 16 weeks

Additional \$441 for internship credit

**Housing:** Housing is 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 needed:**

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 skills 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.

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## *Undergraduate Summer 2024 Paid Internship*

### **IDFG Salmon Fisheries**



**Location:** Region 7, Salmon Regional Office

**Dates:** May 13<sup>th</sup> – August 2<sup>nd</sup>

**Supervisor:** Jessica Buelow and Brett Kelly

**Financial Support/Stipend:** \$600/week for up to 12 weeks

Additional \$441 for internship credit

**Housing:** Housing available for \$200/month

**Job Duties:** Primary duties include performing physical habitat surveys, participating in the oversight, and monitoring of habitat improvement projects, alpine and lowland lake surveys, backpack and barge electrofishing, snorkel surveys, and operating fish traps and weirs. Work will be conducted both in front country 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 needed:**

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 skills 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

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