



2017 Internship Program Description

Job Title: 2017 Henry's Fork Foundation Summer Intern

Job Type: Internship (Summer 2017)

Term: Summer 2017
Start Date: May 15
End Date: July 22
Duration: 10 weeks

Job Summary: The Henry's Fork Foundation (HFF) is currently accepting applications from undergraduate students interested in working in active grass-roots conservation with a non-profit organization in the Greater Yellowstone Area. Selected intern will participate in all sectors of non-profit work during the internship period, but will primarily work on science, stewardship, and education/outreach projects.

Organization Overview: The Henry's Fork Foundation is a non-profit organization that works to conserve, protect, and preserve the unique fisheries, wildlife, and aesthetics of the Henry's Fork Watershed.

Project Description: The Henry's Fork Foundation summer field crew will be assisting with various primary projects throughout the ten-week internship period and will have the opportunity to take a leadership role in a special project. Projects for the 2017 summer season are listed below:

Primary projects:

- 1. Fish Ladder Monitoring:** Interns will work to monitor fish moving upstream through the Buffalo fish ladder during the month of June. Interns will work alongside HFF in trapping fish, identifying all fish to species, checking for PIT tags, and recording fish length. Interns will also monitor and maintain the Chester fish ladder from June through August.
- 2. Water Quality Monitoring:** Throughout the summer interns will install and maintain water-quality monitoring equipment, in addition to collecting water samples throughout the watershed.

- 3. Economic Value Survey:** The study aims to determine the economic value of angling and boating in the Upper Snake River basin. Interns will assist the Conservation Technician in the implementation of Creel and Economic Values Surveys at various stream reaches throughout the Henry's Fork. Survey sampling dates are random and can occur early in the morning, late in the evening and on weekends and holidays.
- 4. Outreach/Education:** HFF has a youth education program that works to engage youth in their watershed. Interns will periodically assist in youth programs, including "Trout in the Classroom". In addition, all interns will contribute to the HFF internship blog where they will provide a weekly update on their work to our membership.
- 5. Henry's Fork Days:** Interns will work alongside HFF staff to help prepare for and participate in HFF's largest summer fundraising event, which is scheduled for June 16-17. This event is mandatory.

Potential special projects:

- 1. Access Catalog and Plan:** Lead a project to catalog all current river access sites on the Henry's Fork and prepare a report of river access site conditions. Also, identify potential future river access sites for Fall River, a tributary of the Henry's Fork, and develop a final access plan.
- 2. Aquatic Invertebrate Data Analysis:** Organize and enter historical aquatic invertebrate data into a standardized database. Using statistical analysis, compare historical data to current data being collected annually. Contribute a final report and outreach materials regarding analysis results.
- 3. Mobile App Development:** Design a smartphone app for Android that will allow users to view information about river conditions (stream flow, water quality parameters, temperature, etc.), HFF reports, blogs, and event notices.
- 4. Water Quality Network and Website:** Assist with a project to automate real-time transmission, processing, and online archiving of streamflow and water-quality data from HFF's instrument network. This includes developing the web-based interface that will import and display the data.

Qualifications: Seeking motivated students who are interested in learning about watershed conservation from a non-profit organization perspective. Students should have an interest/focus in the environmental sciences and the outdoors, have good communication skills, be able to work well alongside others, be physically able to work outside and on the river, and be flexible to work on an array of various projects. Students must also be able to swim and have a valid driver's license. Applicants must identify their preferred special project, explain why they are interested in that project, and what skills and experience make them especially qualified to lead the project.

To learn more about HFF and the work we do, please explore the following links.

Henry's Fork Foundation website: henrysfork.org

Henry's Fork Foundation Internship Blogs: henrysfork.org/become-intern

Henry's Fork Foundation Facebook: facebook.com/HenrysFork