

## **Vacancy Announcement**

### **Assistant Fisheries Biologist – 2-year term position starting March 2022**

The Pacific Salmon Commission (PSC), an international organization responsible for transboundary salmon fisheries management in Canada and the United States, is seeking an Assistant Fisheries Biologist (BI-02) for a 2-year term position. The position will be part of the Fisheries Management Division within the PSC Secretariat office in Vancouver, B.C. with seasonal work at a rural field site. The PSC is committed to providing equitable treatment and equal opportunity to all individuals.

#### **Major duties and responsibilities**

Under the direction of the Fisheries Biologist and Chief Fisheries Management Science, the Assistant Fisheries Biologist will:

- 1) Assist with the improvement and streamlining of the PSC data collection programs by:
  - Designing, developing, and maintaining R code for efficient and repeated processing and exploration of current and historical salmon-related data
  - Updating and improving the current estimation models for spatial and temporal extrapolations using innovated spatial statistics methods
  - Streamline repeated analyses of abundance and biological data in R using a variety of statistical methods
  - Writing and editing of code documentation, user manuals and descriptions of analytical methods
- 2) Provide in-season assistance to the Fisheries Biologist at the PSC field site by:
  - Using specialized acoustic equipment and software programs to collect and analyze data on daily salmon migration
  - Producing estimates of daily salmon escapement into the Fraser River and reviewing these with the Fisheries Biologist to verify the quality of data and ensure the accuracy and precision of daily estimates of abundance
  - Assisting the Hydroacoustics team and the Fisheries Biologist to ensure reliable in-season operation of the hydroacoustic monitoring systems
  - As needed, producing alternative daily salmon escapement estimates
  - As needed, assisting with field site activities
- 3) Assist the Fisheries Biologist in the supervision of two Technicians for quantitative tasks
- 4) Analyze data and present results using a variety of statistical methods (e.g., summary statistics, linear regression, maximum likelihood estimation)
- 5) Examine and evaluate sampling approaches across different PSC data collection systems in collaboration with other Fisheries Management Division staff
- 6) Assist with the write-up, publication and presentation of the methodologies for the estimation model and other analyses for a bi-national panel of federal, state, indigenous, and industry delegates
- 7) Liaise with other agency staff as required
- 8) Assist supervisor with other tasks as necessary

## Salary and benefits

- This is a 2-year term position
- The salary range is \$65,662-\$89,411, which is equivalent to the Canadian Federal Public Service classification for a BI-02
- Full benefits package including defined benefit pension plan, extended health and dental care, and disability insurance
- Members of the Canadian Federal Public Service may transfer all pensionable service to the PSC pension plan, and vice-versa
- This job is open to Canadian and non-Canadian citizens

Qualified applicants should have a flexible attitude and enjoy being part of a dynamic and progressive team in a unique international organization. If interested, please forward a cover letter, résumé, and the contact details of three references in one PDF file; please name the file beginning with your last name. Applications should be received by midnight Monday, January 3, 2022, and be addressed to Ms. Ehrmantraut at [resumes@psc.org](mailto:resumes@psc.org). The successful candidate is expected to start in March 2022. Applicants for this position will be added to a pool of candidates for upcoming positions with the PSC. Please note the interview process will include a skills test.

## Minimum Qualifications

1. Degree in biology, resource management or related field
2. Proficiency in Microsoft Office products (Word, Excel, PowerPoint)
3. Strong programming and troubleshooting skills in R
4. Strong interpersonal and communication skills (English, verbal and written)
5. Demonstrated ability to work efficiently, problem-solve, prioritize, delegate, and make sound decisions quickly while under time constraints on multiple projects
6. High degree of adaptability, tact, and ability to cooperate in diverse groups
7. Willingness to advance current skills
8. Valid passport and ability to cross the U.S./Canadian border
9. Valid driver's license

## Advantages

1. M.Sc. Degree in biology, resource management, or related field
2. Experience working with hydroacoustic data
3. Experience working in a field setting
4. Experience and knowledge regarding fisheries and fisheries management activities
5. Experience in the use of Access databases, including developing queries