

## **Duty station: Ridgefield, WA**

Please note there is **no** housing available for any of these positions

### **2 positions ~5 month duration- 8/1/19-12/30/19**

#### **Fall Chinook VSP Monitoring – Washougal Weir Operations- 8/1/19 – 10/31/19**

#### **Chum BiOp Project – Mainstem Columbia River and upper Tributaries - 11/1/19-12/31/19**

Operate and maintain a resistance board weir on the Washougal River. Handle and sort live adult ESA-listed salmonids by species, gender, and mark. Apply Floy tags and opercula marks. Collect biological data (fork length, gender, mark) and samples (scales and DNA). Collect coded wire tags from surplus Chinook. Daily set-up, operation, and tear down of a Whooshh fish transport system. Use Toughpad computers with Microsoft Access designed forms to record data in the field. Identify and enumerate adult salmonids (live and dead) and redds; use handheld GPS devices to mark redd locations. Collect biological data and samples from both live and dead adult salmonids. Apply and/or recover external tags/marks from carcasses. Assist with seining to collect chum salmon broodstock for supplementation programs. Collect data needed to estimate adult spawner abundance via live and carcass mark/recapture tagging, weirs and traps, and stream surveys. Assist with spawning activities at hatchery facilities.

### **1 position ~ 3 month duration- 8/1/19-10/31/19**

#### **Fall Chinook VSP Monitoring – Washougal Weir Operations.**

Operate and maintain a resistance board weir on the Washougal River. Handle and sort live adult ESA-listed salmonids by species, gender, and mark. Apply Floy tags and opercula marks. Collect biological data (fork length, gender, mark) and samples (scales and DNA). Collect coded wire tags from surplus Chinook. Daily set-up, operation, and tear down of a Whooshh fish transport system. Use Toughpad computers with Microsoft Access designed forms to record data in the field.

### **1 position ~3 month duration- 9/3/19-11/30/19**

#### **Fall Chinook VSP Monitoring – Stream Surveys.**

Conduct weekly spawning ground surveys by foot and pontoon raft on Washougal, EF Lewis, Kalama, and White Salmon rivers. Identify and enumerate adult salmonids (live and dead) and redds; use handheld GPS devices to mark redd locations. Collect biological data and samples from carcasses. Apply and/or recover external tags/marks from carcasses.

### **1 position ~4 month duration- 9/3/19-12/31/19**

#### **Fall Chinook VSP Monitoring – Stream Surveys - 9/4/19-10/31/19**

#### **Chum BiOp Project – Mainstem Columbia River and upper Tributaries - 11/1/19-12/31/19**

Conduct weekly spawning ground surveys by foot and pontoon raft on Mill, Abernathy, and Germany creeks and Coweeman River. Identify and enumerate adult salmonids (live and dead) and redds; use handheld GPS devices to mark redd locations. Collect biological data and samples from both live and dead adult salmonids. Apply and/or recover external tags/marks from carcasses. Assist with seining to collect chum salmon broodstock for supplementation programs. Collect data needed to estimate adult spawner abundance via live and carcass mark/recapture tagging, weirs and traps, and stream surveys. Assist with spawning activities at hatchery facilities.

**1 position ~3 month duration- 9/3/19-11/30/19**

**Fall Chinook VSP Monitoring – Stream Surveys.**

Conduct weekly spawning ground surveys by foot and pontoon raft on Mill, Abernathy, and Germany creeks and Washougal, EF Lewis, Kalama, Coweeman and White Salmon rivers. Identify and enumerate adult salmonids (live and dead) and redds; use handheld GPS devices to mark redd locations. Collect biological data and samples from carcasses. Apply and/or recover external tags/marks from

**5 positions ~ 3 month duration-on call/intermittent approximately 8/7/19- 11/08/19**

**Fall Fisheries Monitoring (Pound Net Monitoring, Fishery sampling, and Coho Tanglenet Observations).**

**~20-40 hrs/Wk 8/7/19-11/08/19**

Conduct observations and monitoring of the commercial seine and tangle net fisheries, and/or pound net operation in the lower Columbia River. Observers record catch and release information on Chinook and coho salmon and steelhead as well as other by-catch. Additionally, duties may include assisting with the commercial and sport sampling process collecting coded wire tags, biological data and genetic samples for Treaty and non-Treaty fisheries.

**1 position ~ 9 months duration, On-Call/intermittent approximately 8/1/19- 4/30/20**

**Fall Fisheries Monitoring (Pound Net Monitoring, Fishery sampling, and Coho Tanglenet Observations).**

**~20-40 hrs/Wk 8/7/19-10/31/19**

**Assist with regional projects as needed. ~0-40 hrs/Wk 11/1/19-12/31/19**

**Sturgeon and Eulachon sampling. ~0-40 hrs/Wk 1/1/20-4/30/20**

Conduct observations and monitoring of the commercial seine and tangle net fisheries, and/or pound net operation in the lower Columbia River. Observers record catch and release information on Chinook and coho salmon and steelhead as well as other by-catch. Additionally, duties may include assisting with the commercial and sport sampling process collecting coded wire tags, biological data and genetic samples for Treaty and non-Treaty fisheries. Assist on regional projects as needed. Assist sturgeon and smelt projects with various duties as needed.

**2 positions ~12 month duration – approximately 7/16/19-7/15/20**

**Modrow Weir Operations. 7/16/19-10/31/19, Duty Station: Ridgefield, 40 hrs/Wk**

Assist with weir cleaning, maintenance and removal. Handle and sort live ESA-listed salmonids by species, gender, and fin mark. Apply an external mark (operculum mark) to unclipped Chinook for the mark recapture study. Use a Toughpad computer with Microsoft Access designed forms to enter data collected from salmonids in real-time at the weir and hatcheries. Collect coded wire tags, biological and genetic samples from fish carcasses at the weir, Kalama Falls and Fallert Creek hatcheries.

**Lewis River basin spawning ground surveys. 11/1/19-1/31/20, Duty Station: Ridgefield, On-Call ~0-20 hrs/Wk**

Assist with Chinook and coho spawning ground surveys by boat and foot. Identify and enumerate adult salmonids (live and dead) and redds; use handheld devices to mark redd locations. Collect CWTs, biological data and samples from adult salmonids. Apply and/or recover external tags/marks from carcasses.

**Spring Fisheries Monitoring and Sampling. 2/1/20-7/15/20, Duty Station: Ridgefield, On-Call ~0-20 hrs/Wk**

Conduct on-board observations and monitoring of the commercial and test tangle-net fisheries in the lower Columbia River. Observers record catch and release information on Chinook and steelhead as well as other by-catch. Collect coded wire tags, biological data and genetic samples from the test fishery catch. In addition, duties may include assisting with various projects within Region 5 fish program on an as-needed basis.

**1 position ~3.5 month duration – approximately 7/16/19-10/31/19**

**Modrow Weir Operations. 7/16/19-10/31/19, Duty Station: Ridgefield, 40 hrs/Wk**

Assist with weir cleaning, maintenance and removal. Handle and sort live ESA-listed salmonids by species, gender, and fin mark. Apply an external mark (operculum mark) to unclipped Chinook for the mark recapture study. Use a Toughpad computer with Microsoft Access designed forms to enter data collected from salmonids in real-time at the weir and hatcheries. Collect coded wire tags, biological and genetic samples from fish carcasses at the weir, Kalama Falls and Fallert Creek hatcheries.

**Duty Station: Kelso, WA**

Please note there is **no** housing available for any of these positions

**1 position ~ 3.5 month duration – approximately 8/1/19 – 11/15/19**

**Coweeman Weir Operations.**

Construct, install, operate and remove a floating panel weir and adult salmon trap box. Inspect, clean and maintain weir and trap structure to fish effectively. Use a long beach seine as needed to collect adults that hold below the weir without self-recruiting into the trap. Collect biological data and samples (fork length, gender, mark, scales, DNA) from captured live salmon and steelhead, and apply Floy tags and operculum punches to unclipped Chinook. Use Toughpad computer with Microsoft Access designed forms to enter data collected from adult salmonids in real-time at the weir site.

**1 position ~ 7.5 month duration – approximately 8/1/19-3/15/20**

**Coweeman Weir Operations. 8/1/19 – 10/31/19**

Construct, install, operate and remove a floating panel weir and adult salmon trap box. Inspect, clean and maintain weir and trap structure to fish effectively. Use a long beach seine as needed to collect adults that hold below the weir without self-recruiting into the trap. Collect biological data and samples (fork length, gender, mark, scales, DNA) from captured live salmon and steelhead, and apply Floy tags and operculum punches to unclipped Chinook. Use Toughpad computer with Microsoft Access designed forms to enter data collected from adult salmonids in real-time at the weir site.

**Columbia River Salmon and Steelhead Endorsement (CRSSE) – Angler Creel Surveys**

**11/1/19 – 3/15/20**

Potential Locations: Mill/Abernathy/Germany, Elochoman, and Grays River basins. Primary duties include conducting sport creel surveys during salmon and steelhead fisheries using iPads for electronic data collection to document the amount of angling effort, fish harvested, incidental harvest, and potential quantity of wild fish released and any associated mortality in southwest Washington sport tributary fisheries as well as conducting 2-6 mile rafting and walking surveys for angler participation in more remote sections of river. Work schedule includes all weekends with highly variable and early morning start times. The supervisor will change for the creel work, but the duty station remains in Kelso.

**1 Position, ~4 month duration- approximately 09/01/2019-12/31/2019**

*Note: This position is shared between two projects. Time will often be split between the projects within a work week as work priorities dictate (e.g., 2 days on one and 3 days on the other).*

**Coweeman Weir Operations.**

Construct, install, operate and remove a floating panel weir and adult salmon trap box. Inspect, clean and maintain weir and trap structure to fish effectively. Use a long beach seine as needed to collect adults that hold below the weir without self-recruiting into the trap. Collect biological data and samples (fork length, gender, mark, scales, DNA) from captured live salmon and steelhead, and apply Floy tags and operculum punches to unclipped Chinook. Use Toughpad computer with Microsoft Access designed forms to enter data collected from adult salmonids in real-time at the weir site.

**Cathlamet Field Office Operations**

*Note: A vehicle for travel between the Kelso and Cathlamet offices will be provided.*

Duties to support operations at Cathlamet Field Office include:

- Weir installation, maintenance, and handling/sorting live fish on Grays and Elochoman rivers.
- Spawning ground surveys in Grays, Elochoman, Skamokawa sub-basins.
- Deep River commercial fishery sampling.
- Chum broodstock collection.

**Duty Station: Cathlamet, WA**

*Please note that Cathlamet, located in Wahkiakum County, is a **remote location**.*

- **Two (2) Positions, ~5 month duration: 08/01/2019-12/31/2019**
- **Two (2) Positions, ~4.5 month duration: 08/15/2019-12/31/2019**

*Duties:*

-Assisting with installation, maintenance, and trapping operations at two weir sites on Grays River and Elochoman River. Handling and sorting live ESA-listed adult salmonids by species (Chinook, coho, steelhead, chum), sex, mark status. Collecting samples from, and applying external tags/marks (FLOY tags, gill operculum punches) to live fish. Using a Microsoft-based tablet to record real-time data at weir sites.

-Conducting weekly spawning ground surveys by foot and by pontoon-raft with rowing frame in Grays River, Elochoman River, Skamokawa Creek, and tributaries. Identifying and enumerating live and dead adult salmonids. Identifying and collecting GPS locations of redds. Collecting biological data/samples from carcasses (species, length, sex, mark, coded-wire tag status, scale samples, tissue samples, otoliths). Applying and/or recovering external tags/marks from carcasses. Entering all data in the field real-time using iPads.

-Assisting with onshore sampling of a commercial gillnet fishery that occurs in Deep River. Collecting data from adult salmonids as they are offloaded from commercial fishing boats. Data collected include species, sex, weight, length, mark status, coded-wire tag status, and scale samples.

-Assisting with broodstock collection for a chum supplementation project in Grays River. Using various methods, collecting live adult chum salmon and assisting with transporting them to Grays Hatchery for spawning.

- **One (1) Position, ~5 month duration: 08/01/2019-12/31/2019**

-The primary duty of this position is to support trapping operations at weir sites on Grays River (approximate fishing dates of 08/01/19~10/31/2019) and the Elochoman River (approximate fishing dates of 08/01/19~12/31/19). Assisting with installation and maintenance of both weirs. Keeping weirs clean of debris to ensure proper fishing. Handling and sorting live ESA-listed adult salmonids by species (Chinook, coho, steelhead, chum), sex, mark status. Collecting samples from, and applying external tags/marks to live fish. Using a Microsoft-based tablet to record real-time data at weir sites.

-As time and conditions allow, other duties may be assigned as described above, including spawning ground surveys, commercial fishery sampling, and adult broodstock collection.