



115-10-10420

Species/Waters Addition / Route Correction

Water Body Name:

HUC12: 190103010705

Species & Lifestage Observed: DVp, COr, Pp

MTR: C037S062E / C037S061E

Observation Date: 05/15/2024

Quad: Juneau C-4 SW

Observers: Mark Hieronymus, Kevin Maier, Ed Neal

Observations: We walked this stream with GPS from approximately 250 meters above tidal influence to a point approximately two kilometers upstream. We ended upstream observations at a probable barrier to anadromy (Waypoint 3, Figure 2.). During a downstream snorkel, we encountered and video-documented two anadromous Dolly Varden. We also walked two previously unlisted tributaries of 115-10-10420 with a hand net and captured juvenile coho and pink salmon. During the course of observations, comparison of our GPS-derived stream line and the 2023 AWC arc for 115-10-10420 suggests a route correction is needed for the reach between the end of observations noted in nomination #[23-788](#) and the upstream end of our observations. Observation locations and notes are in Table 1, fish and feature photos and a map showing observation locations, waters additions, and route correction are in Figures 1-10.

Table 1.- 115-10-10420 observation locations and notes.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
1	58.622268	-135.231257	5/15/24. ~9am. 115-10-10420. Obs: MH, KM, EN 100% OVC, R-. H2O Temp: 2.5°C, slight tannic tint to flow. Start of US obs.		
2	58.624921	-135.234501	1 DV hooked/lost here, 16"-18". On DS Snorkel, 2 DV video'd in run, size and appearance (absence of parr marks, clear fins, silvery rays on caudal) strongly suggest anadromy in recent life history.	Hook/Line Video	1 DV (anad) 2 DV (anad)
3	58.622513	-135.257393	2-step fall here, appears to be barrier to anadromy. Feature is 13.6m tall over 22m run. Pool at base appears ~3-4m deep, unable to snorkel close enough to measure. No way to observe 2nd fall pool. End of US obs, start of DS Snorkel obs.		
4	58.623642	-135.232286	River right trib enters in meadow, about a dozen juvenile CO seen in first few meters of trib.	Visual	10-12 CO
5	58.623291	-135.234666	Up RR trib noted in wpt 4, in what appears to be a hyporheic pool - stream re-emerges ~25m DS and continues to confluence as surface flow over gravel. US channel has grass/muck, no surface flow at this water level. 2 CO and 2 P fry captured with hand net. End of US obs on this trib.	Hand net	2 CO 2 P

Table 1.- 115-10-10420 observation locations and notes, continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
6	58.620251	-135.231290	Another river right trib enters in meadow here. Crossing this trib earlier ~75m US of confluence, multiple juvenile CO were seen. Substrate is gravel/cobble, incised 50cm-1m, width 1-3m.	Visual	25-30 CO
7	58.622666	-135.234970	Lots of juvenile CO and stickleback seen in this trib, last US fish sighting here. 3 CO captured with hand net in off-channel pool, larger one appears age 1+ and “smolty”. General stream characteristics from lower portion end here - elevation rises over several steps and deep pools, and stream emerges from wet seep in meadow ~50m US of this wpt. End of US obs on this trib, time constraints necessitate stoppage of obs for the day.	Visual Hand Net	~100 CO, ~25 STB 3 CO



Figure 1.- One of two Dolly Varden char from waypoint 2. Size and appearance of both fish strongly suggest anadromy in recent life history.



Figure 2.- 13.6m probable barrier to anadromy at waypoint 3.



Figure 3.- Juvenile coho salmon captured in a previously unlisted tributary at waypoint 5.



Figure 4.- Juvenile pink salmon captured in a previously unlisted tributary at waypoint 5.



Figure 5.- Looking upstream at waypoint 5 showing emergence of flow at this water level and "dry" surface channel upstream.



Figure 6.- Three juvenile coho salmon (Two YoY and one age 1+) captured in a previously unlisted tributary at waypoint 7.



Figure 7.- Closeup of coho YOY captured at waypoint 7.



Figure 8.- Looking downstream from waypoint 7 showing off-channel pool where fish were captured as well as stream channel and general characteristics.



Figure 9.- Looking upstream in main channel at pools and grass steps from near waypoint 7. Red arrow indicates stream emergence from seep.

