**AAF – Illabot Chum Channel**

4/12/2021

* Walked from the upstream end (dead-end) of the slough to the culvert which has wire on the upstream end to exclude beaver
* Culvert wetted with unimpeded flow through it
* Took habitat measurements in areas with high fish concentrations and included numbers of some nearby fish in abundance estimate
* WPT 200 – adult spawner jaw (CO or CH?)
* WPT 207 – beaver screen at culvert under road

Pictures:

* IMG\_1418 – Upper end of slough (dead-end)
* IMG\_1420 – Culvert under powerline road with beaver exclusion wiring
* IMG\_1461 – Night snorkeling

5/5/2021

* General – juvenile salmonids <100 mm seen in daytime, including at least mykiss and coho. Unclear whether this site will get disconnected; need to walk it at lower water, or anytime, to assess.
* Solinst level logger 2134270 with t-post and PVC housing gage installed at 11:21 in center channel halfway between the culvert under the road and the corner of the channel as it makes and L shaped turn from west to north: 48.49585 -121.49358. Water level near top of short housing. Photo looking north toward culvert.

A picture containing tree, plant

Description automatically generated

* Onset pendant temperature logger 20772099 with PVC solar shield installed at 11:39 on the LB biggest clumpy willow between the level logger and the culvert, wired to several 3-6” stems in the shade off the edge of the submerged riprap with a rock weight: 48.49588 -121.49376 Photo looking west/southwest toward LB willow anchor, yellow circle around wire extending down:

A picture containing tree, outdoor, plant, nature

Description automatically generated



Diagram

Description automatically generated

6/22/2021

* All AAF loggers present (level, temp), level logger gage irrelevant because submerged… total housing height at top of markings was 0.90 m + 12 ¾ inches of water overtop. (Top of housing itself to water surface 6.4 inches.) Later conversion of string length only, 35 inches = string length 0.89 m.

Letter

Description automatically generated with medium confidence

8/15/2021

* Site is fully connected to Illabot Slough

10/7/2021

* Logger retrieval
* Retrieved level logger 11:00 am, submerged, gage height 0.84 m
* Retrieved temperature logger 11:01, submerged
* Water remains clear and cold
* Coho 80-100 mm observed
* Water flowing through culvert, site fully connected to Illabot Slough

10/14/2021

* Logger reinstallation (although shouldn’t have been reinstalled – needs to take out)
* Temperature logger reinstalled 10:30 am, logger (#21063848) new to site – moved from Minkler then first one in Illabot died due to a reset error
* Level logger reinstalled 10:30 am, gage height 0.9 m