

2010 – HABITAT PROJECTS

PUD Canal System Conversion Project

- 1 well has been drilled and second is currently being dug.

Entiat Riparian – Tillicum and Indian Creek Fencing Project

- Project is in the third and final year.

Roaring Creek Flow Enhancement and Barrier Removal Project

- The USFWS has verbally agreed to provide a land swap for irrigation well to be located below the bridge.
- Still working on land exchange between private landowner and USFWS. Finalizing the Biological Assessment to address the swap with review by Catherine Willet/Phil Archibald before it gets forwarded to USFWS/NOAA for consultation letter and then sent to NOAA and US Fish and Wildlife for review and acceptance. Permit for the authorization to bore under Chelan County Roaring Creek Road has been submitted to Chelan County Public Works.

Lower Entiat River – Off Channel

- Initiating BPA Contract work this month.
- Design plan completed by Cluster Engineer for diversion, head gate, and pond connection.
- Landowner Issues.
- Reviewing easements and water rights.

Below the Keystone Bridge

- Below the Keystone Bridge is very near completion. We are almost set to turn water into Keystone's new irrigation structures and test out the pumps and new mainline and connections. The in-stream work is done, there is still some planting scheduled for (I believe) this spring.

ENFH Levee Removal

- The scope and extent of the levee removal has been finalized. Both upper (650 feet) and lower (125 feet) levees are being removed. Permits are being submitted this week or early next and we hope not be limited to normal in-stream work windows since the excavation will be entirely in the dry and above ordinary high water, so

construction may take place later in the year. The CCD agreement with the SRFB is in place and the one with HCP Trib Committee will be finalized shortly. Construction cost estimate from USBR is \$170K.

Surface to Wells Projects (ARRA)

- Located adjacent to the Gains Ditch and involves two landowners to covert them from the Gains ditch to wells. The well sites have been proposed and their general specs provided by USBR. Contract nearly in place with Lad Irrigation to give us a preliminary design to shift one user on to the proposed wells, and when that design is in our hands we can move forward with cultural resources review there. Earliest we can solicit for the well drilling is mid-June, which will mean that we'll also have to have the piping/connections contract in place by then.

ECOLOGY

- Point of Diversion application has been started for two landowners. CCD Archeologist will begin reviewing 3 of 5 APEs (Area of Potential Effect) this week. Completion of the remaining APEs is scheduled for next week. All remaining Cultural Resources work will be completed by this spring.

Entiat Lower Off Channel Surface to Well

- Point of Diversion application has been begun for one well and funding application is being finalized and expected to be submitted next week. APE for Cultural Resources will begin review next week.

Forman "Frog Pond"

- No update and will not go forward in 2010.

Keystone Canyon

- Large engineered log jam to be constructed on north side of river at approximately RM 2.2 (Bill Small's orchard) this summer in lower Entiat River