

## **Meeting of the Packwood Lake Hydroelectric Project Fish, Aquatics and Instream Flow Committee**

Date: June 24, 2004

Location: Packwood

Present:

Energy Northwest - Laura Schinnell, Bernice Kasko, Bill Kiel, Randy Crawford, Dolly Richendrfer

EES Consulting - John Blum, Kent Doughty

Washington Department of Ecology - Deborah Cornett

Washington Department of Fish and Wildlife - Lauri Vigue, Hal Beecher

United States Fish and Wildlife Service - Lou Ellyn Jones

United States Forest Service - John Roland, Ken Wieman, Margaret Beilharz, Ruth Tracy

Cowlitz Tribe - Mike Iyall

Yakima Nation - George Lee, Cliff Cassescka

Copies of the agenda, analysis of peak discharges, and draft summary of water quality sampling were distributed to the committee.

John Blum discussed the high flow studies that will start the week of July 12th. The high flow will be approximately 30 cfs, which will allow modeling up to 120 to 130 cfs at the mouth of Lake Creek. EESC will also take middle flow calibration measurements on two of the study sites at this visit. EESC will send out an announcement on the exact dates to the committee members. All the low flow calibration measurements and two of the medium flow calibration measurements will be taken the week of August 30th.

Spawner surveys were discussed. The target species for spawner surveys will be chinook, coho, and steelhead. Chinook and coho will be conducted August – December as appropriate; steelhead cannot be done until next winter and spring. Ken asked how many sample sites would be snorkeled. Snorkeling studies will be performed in conjunction with the flow studies. Lower Lake Creek target species are Chinook, coho, cutthroat trout and potentially other native species that may be present. Target species above the barriers is rainbow trout. A permit has been applied for to perform electro shocking. EESC will send out a schedule for spawning surveys.

Lou Ellyn asked some questions regarding the modeling and John explained the process.

John talked about water flow in the slough and the role the Cowlitz River plays in it.

Kent talked about results from some of the water quality tests.

Hal asked if we were interested in a green power tag and stated that pre-project information is taken into consideration in that process. The concern related to a statement in response to comments on pre-project conditions. Energy Northwest responded that pre-project information will be provided when available, such as the hydrology data.

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Ken asked about modeling non-fish species e.g., salamanders. Lauri mentioned that Fish & Wildlife would ask for this study. Hal mentioned tailed frogs as a potential species.

Cliff Cassescka asked about the diversion dam. Cliff also mentioned the possibility of stocking Packwood Lake with sockeye.

Comments on Instream flow study are due by July 9th.

Comments on water quality study are due July 16th.

Comments on the physical habitat assessment and hydrology studies are due July 31st.

Next meeting will be held September 30th in Lacey. Lou Ellyn will confirm whether the meeting can be held at the U.S. Fish & Wildlife office.

The committee hiked to the Lake to view the intake structure, fish screens, diversion dam, and transects. The group looking at transects added two transects in the upper study reach (Study Reach 4).