



## United States Department of the Interior

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YAKIMA OFFICE

October 24, 1997

To: Environmental Program Manager, Upper Columbia Area Office  
U.S. Bureau of Reclamation, Yakima, WA

From: Supervisor, Moses Lake Office, *Kurt R Campbell*  
Fish and Wildlife Service, Moses Lake, WA

Subject: Cle Elum Pool Raise Planning Aid Memorandum

Attached is our Planning Aid Memorandum (Memorandum) for the U.S. Bureau of Reclamation's (Bureau) proposal for raising the pool level at Cle Elum Lake by three feet. This Memorandum was prepared pursuant to the Fiscal Year 1997 Scope-of-Work Agreement between the Bureau and the U.S. Fish and Wildlife Service (Service). This Memorandum is provided under the authority of and in accordance with the Fish and Wildlife Coordination Act (48 Stat. 401, as amended, 16 U.S.C. 661 et seq.), but does not fulfill our obligations under section 2 (b) of that Act.

Our analysis is based on maps, hydrologic data and other information provided by the Bureau, several site visits, observations and prior knowledge of staff, literature, resource information readily available from our files and conversations with Bureau, Washington Department of Fish and Wildlife, Yakima Indian Nation and Forest Service personnel and others knowledgeable about the area. The Memorandum contains a description of the fish and wildlife resources, including habitats, of the project area. It provides a general description of adverse and beneficial effects from the proposed project and lists several recommendations for use of the 14,600 acre-feet of enhancement water, future studies, general mitigation and enhancement activities and coordination suggestions.

We appreciate the opportunity to provide the attached Memorandum. If you have any questions or comments regarding the enclosed information please contact Don Haley at the letterhead address/phone number.

### Attachment

c: USBR, Boise (Lola Sept)  
USFWS, Spokane  
USFS, Wenatchee (Jim Trowbridge)  
WDFW, Yakima (John Easterbrooks)  
WDFW, Yakima (Brent Renfrow, Eric Anderson, Lee Stream)  
YIN, Toppenish, (Bob Tuck)

PROPOSED THREE-FOOT POOL RAISE FOR CLE ELUM LAKE

PLANNING AID MEMORANDUM

Prepared for  
Pacific Northwest Region  
Bureau of Reclamation  
U.S. Department of the Interior

Prepared by  
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October 1997

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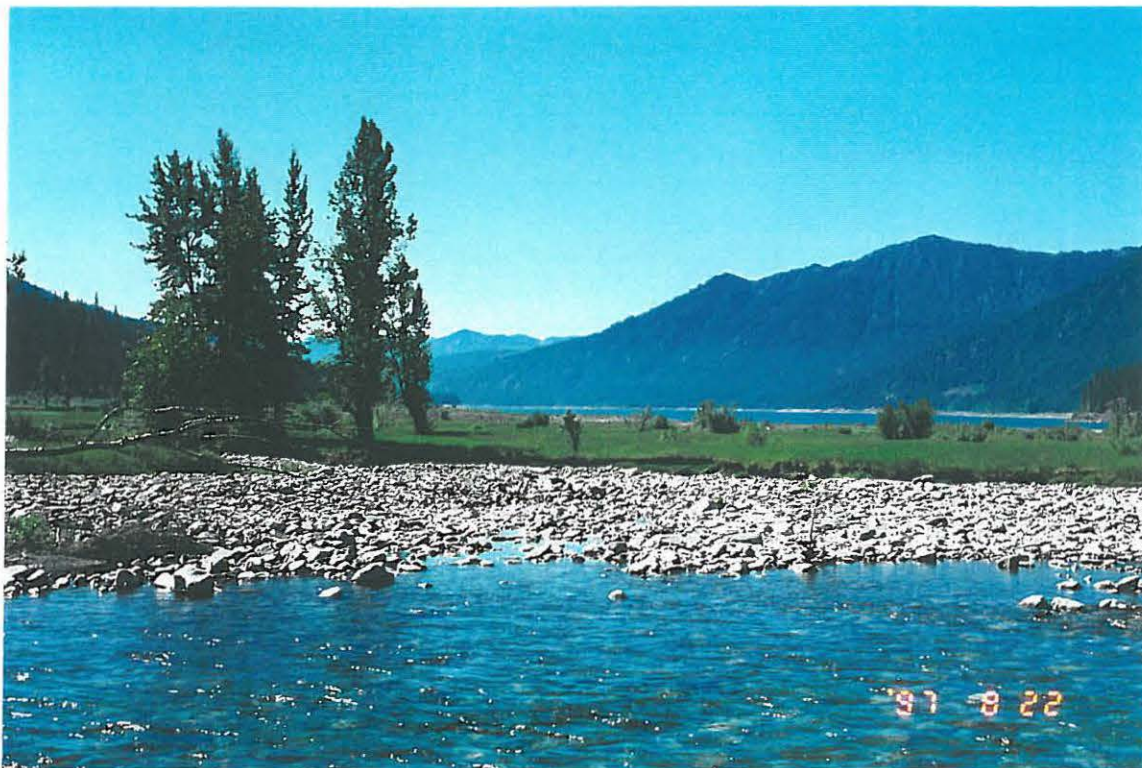
**APPENDIX A**

**Photographs of selected habitat in the Cle Elum pool raise project area**





Large palustrine emergent (PEM) wetland in the upper end of Cle Elum Lake (quackgrass, sedges and rushes with scattered willows and cottonwood).



Another section of the large PEM wetland in upper end of Cle Elum Lake.





PEM and palustrine scrub-shrub (PSS) wetlands adjacent to Wish-Poosh Campground



PEM/PSS wetlands adjacent to Wish-Poosh campground at elevation 2240 (7/8/97).





PSS wetland at upper end of Cle Elum Lake.

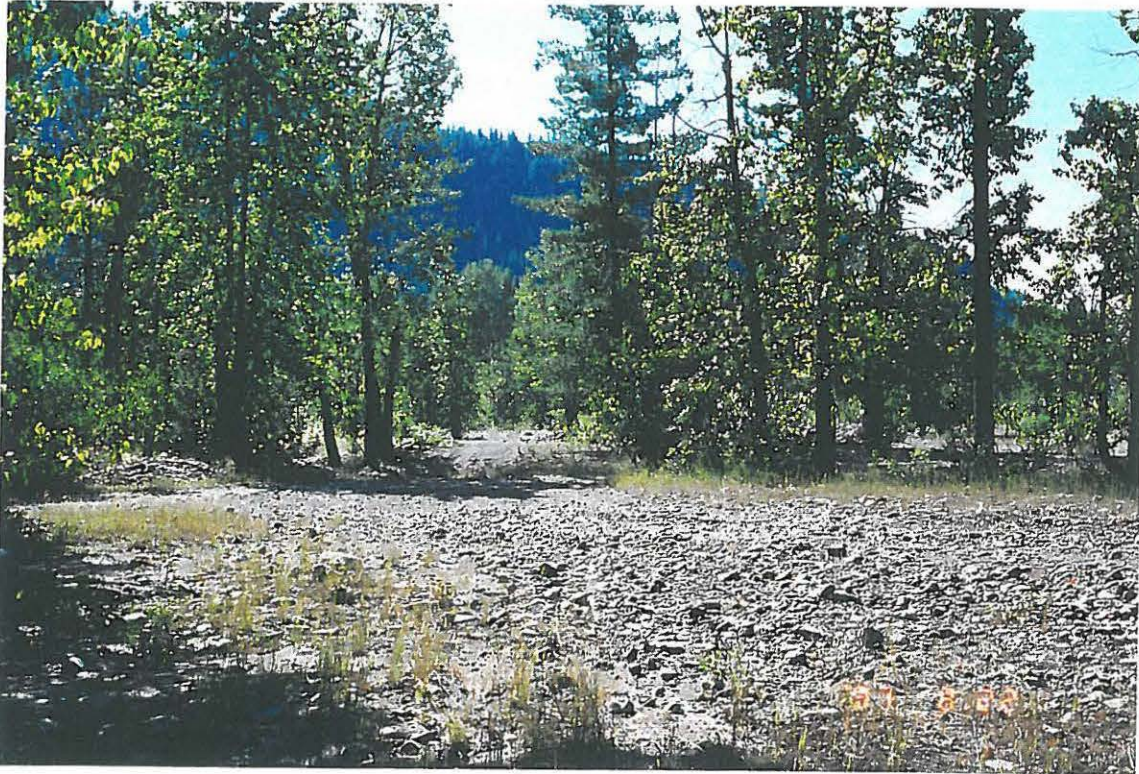


PEM wetland located 1/4 mile west of Cle Elum Lake and possibly affected by pool elevations.





Upper end of Cle Elum Lake adjacent to Cle Elum River in area classified on NWI map as a littoral subsystem, with unconsolidated shore that is seasonally flooded (L2USCh). Willow and cottonwood are coming into area, especially in distance, and would currently be classified as PSS.



Cottonwoods at upper end of Cle Elum Lake at and below elevation 2240.





Forested area just north of Cle Elum Lake with pool level at 2240. Several similar shallow channels wind through the area (7/8/97).



Forested area near upper end of Cle Elum Lake with heavy dispersed recreation use.