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# **TRIBUTARY BARRIERS PHOTOGRAPHS**

**2011**

**May 2011**



**Public Utility District No. 1 of Chelan County  
Wenatchee, Washington**

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## **INTRODUCTION**

The following document is intended to highlight further changes that have occurred at the mouths of major tributaries to Lake Chelan between March 2008 and May 2011. Photos were taken on May 25, 2011 to document existing conditions at Fish, Prince, and Safety Harbor creeks, and to view barrier removal and tributary mouth reconstruction efforts at Mitchell and Gold creeks after a storm event in early May. The intent was to observe whether any channel reconfiguration work had been compromised from high water during the storm event. As demonstrated by the photos of Mitchell and Gold creeks, rock-weir structures installed in February 2011 to form step-pools were intact and functioning properly, thus providing upstream passage for adult trout into the creeks to spawn.

Additional photos from previous years can be viewed for comparison on the Lake Chelan implementation website under Resource Documents, Fisheries, Projects, and Tributary Barriers. Photos were taken in March 2008, February 2009, and April 2009 during a Lake Chelan Fishery Forum (LCFF) field trip to view conditions at tributary mouths of the major tributaries to Lake Chelan. As noted in previous documents, notice conditions at the mouths of Fish, Prince, and Safety Harbor creeks since 2008. The new lake level operating regime appears to be contributing to some tributaries, specifically Prince, Fish and Safety Harbor creeks, being able to scour down through barriers documented previously, and to maintain spring adult upstream fish passage from Lake Chelan elevation 1986 feet to 1100 feet.

## Mitchell Creek



Mitchell Creek. May 25, 2011. Lake Chelan elevation: 1087.48

## Gold Creek



Gold Creek. May 25, 2011. Lake Chelan elevation: 1087.48

## Fish Creek



Fish Creek. May 25, 2011. Lake Chelan elevation: 1087.48

## Prince Creek



Prince Creek. May 25, 2011. Lake Chelan elevation: 1087.48

## Safety Harbor Creek



Safety Harbor Creek. May 25, 2011. Lake Chelan elevation: 1087.48