

Memorandum

TO: Scott Carlon, NOAA National Marine Fisheries Service
FROM: Tom Kahler, Douglas PUD
SUBJECT: Fish Salvage During Winter Maintenance Outage of Wells Dam West Fishway
DATE: January 7, 2021

We dewatered the Wells Dam west fishway for annual maintenance on January 5 and 6, 2021. At approximately 8:15 AM on the 5th, we closed the ladder exits and reduced supplemental flow to 20 percent. From 10:15 to around 11:30 PM, we salvaged fish remaining in the ladder, after which we turned off supplemental flow. On January 6, we completed dewatering the west fishway by draining the collection gallery, implementing fish-salvage operations from around 1:00 PM to 2:00 PM. On both days, we released salvaged fish to the forebay of Wells Dam from the small gravel ramp at the east end of the east embankment. The following table lists fish and invertebrates salvaged by location and date.

Numbers of fishes salvaged from the west-fishway ladder and collection gallery at Wells Dam on January 5 and 6, 2021

Species	1/5/2021	1/6/2021	Total
	Ladder	Collection Gallery	
Wild steelhead juvenile	4	3	7
Hatchery steelhead juvenile	0	3*	3
Hatchery Cutthroat Trout	0	1	1
Wild Chinook juvenile	2	4	6
Mountain Whitefish	76	46	122
Sucker sp.	0	1	1
Burbot	0	1	1
Three-spine Stickleback	1	5	6
Sculpin sp.	0	1	1
Smallmouth Bass	0	1*	1
Largemouth Bass	0	2*	2
Bluegill Sunfish	0	1*	1
Lamprey larva	0	3	2
Lamprey juvenile	0	2	3
Non-native northern crayfish	0	4*	4
Native signal crayfish	0	3	3
Total	83	81	164

*Captured live; euthanized by WDFW

c: Wells HCP Coordinating Committee,
Ritchie Graves, NOAA NMFS