

Memorandum

TO: Scott Carlon, NOAA National Marine Fisheries Service
FROM: Tom Kahler, Douglas PUD
SUBJECT: Fish Salvage During Winter Maintenance Outage of Wells Dam East Fishway
DATE: January 17, 2020

The Wells Dam east fishway was dewatered for annual maintenance on January 7 and 13, 2020. At approximately 9:15 AM on the 7th, we closed the ladder exits and reduced supplemental flow to 20 percent. From 10:15 AM to around 11:20 PM, we salvaged fish remaining in the ladder, after which we turned off supplemental flow. Because of mechanical problems we were unable to drain the collection gallery on the 8th, as planned. We were unable to rectify the problems until the 13th, at which time we completed dewatering of the east 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 Columbia River at the Carpenter Island boat launch approximately one mile downstream of Wells Dam. The following table lists fish salvaged by location and date.

Numbers of fishes salvaged from the east-fishway ladder and collection gallery at Wells Dam on January 7 and 13, 2020

Species	1/7/2020	1/13/2020	Total
	Ladder	Collection Gallery	
Wild steelhead juvenile	6	6	12
Hatchery steelhead juvenile	5*	3*	8
Coho juvenile (origin not determined)	0	6	6
Hatchery coho residual	14*	0	14
Hatchery summer Chinook juvenile	1*	0	1
Mountain whitefish	48	3	51
Sucker juvenile	1	0	1
Non-native northern crayfish	0	5*	5
Cutthroat/rainbow trout juvenile	0	1	1
Largemouth bass	0	1*	1
Yellow perch	0	1*	1
Northern pikeminnow	0	3*	3
Three-spine stickleback	0	59	59
Sculpin spp.	0	15	15
Lamprey juvenile	0	5	5
Lamprey ammocoetes	0	7**	7
Total	75	115	190

*Captured live; euthanized by WDFW

**Two ammocoetes were collected for DNA analysis at the request of the Yakama Nation

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