



# FISH PASSAGE CENTER

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## MEMORANDUM

TO: Fred Olney

*Michele DeHart*

FROM: Michele DeHart

DATE: March 24, 2015

RE: *Transportation Proportion Table* prepared for the Draft FPC Annual Report

The following table is from the Fish Passage Center Draft Annual Report (presently being developed) and was revised upon our own review. The revision was required because 2014 was the first year in which all smolt transportation sites started transporting smolts on the same day, rather than the staggered start dates of previous years in which the start of transportation was staggered with the earliest start date at the upstream site (Lower Granite) and the latest start date at the most downstream site (Lower Monumental). In 2014 all sites began transporting at the same date which means that fish that may have been bypassed at Lower Granite would be susceptible to being transported at the downstream sites. Therefore, we revised the method for calculating the “destined for transport” proportions. The previous approach assumed fish passing LGR prior to transport would not be subject to transport at downstream dams. That was appropriate for past years’ operations but not for the new operation in 2014. The new method accounts for fish bypassed at one dam and then later transported at downstream dams.

**Table G.9. Comparison of the 2014 estimate of the proportion of Snake River Basin smolt population in Lower Granite Dam forebay that are “destined for transportation” and the corresponding estimates from 2005 to 2013. For yearling Chinook, steelhead, and sockeye the results exclude transport at McNary Dam. Hatchery (H) and Wild (W) estimates are provided.**

Species/ age group	Transport Proportion									
	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005
Yearling Chinook	0.39 (H) 0.30 (W)	0.37 (H) 0.38 (W)	0.20 (H) 0.20 (W)	0.42 (H) 0.40 (W)	0.24 (H) 0.40 (W)	0.36 (H) 0.40 (W)	0.493 (H) 0.488 (W)	0.242 (H) 0.168 (W)	0.611 (H) 0.579 (W)	0.92
Steelhead	0.31 (H) 0.46 (W)	0.32 (H) 0.48 (W)	0.24 (H) 0.28 (W)	0.36 (H) 0.48 (W)	0.39 (H) 0.42 (W)	0.46 (H) 0.48 (W)	0.41 (H) 0.447 (W)	0.47 (H) 0.437 (W)	0.76 (H) 0.793 (W)	0.94
Subyearling Chinook	0.47 (H) 0.42 (W)	0.30 (H) 0.61 (W)	0.41 (H) 0.41 (W)	0.46 (H) 0.42 (W)	0.56 (H) 0.49 (W)	0.511 (H) 0.448 (W)	0.581 (H) 0.463 (W)	0.357 (H) 0.358 (W)	0.521 (H) 0.562 (W)	0.809
Sockeye	0.38	0.58	0.61	0.395	0.33	0.654	0.62	0.532	0.592	0.859