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To: Marvin Shuttters, USACE Walla Walla District

From: Matt Keefer, Christopher Peery, University of Idaho

Re: Umatilla River salmon overshoot behavior

Date: 12 April 2004

As you requested, we put together a summary of adult Chinook salmon and steelhead that passed McNary and Ice Harbor dams and then subsequently returned downstream and eventually returned to the Umatilla River. The implication of this behavior is that these were fish that originated from the Umatilla River but had overshoot the river and passed one or both of the upstream dam. Please note that these are not known-source fish (fish tagged in the Umatilla River as juveniles) and thus stream of origin is not definitely known. Some of these fish may have strayed into the Umatilla after falling back at the upstream dams.

Spring and Summer Chinook salmon

Year	n	%past	
		MN	IH
1996	15	53.3	13.3
1997	12	25.0	8.3
1998	9	44.4	11.1
2000	12	58.3	25.0
2001	4	0.0	0.0
2002	23	56.5	4.3
Total	75	46.7	10.7

Steelhead

1996	4	25.0	0.0
1997	5	40.0	0.0
2000	9	33.3	0.0
2001	1	0.0	0.0
2002	2	0.0	0.0
Total	21	28.6	0.0