



# FISH PASSAGE CENTER

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August 16, 2006

Mr. Charlie Snow  
Wells Hatchery  
24621 SR97  
Pateros, WA 98846

Dear Charlie:

The Fish Passage Center has been marking fish from the Wells Hatchery facility over the last several years as part of the Smolt Monitoring Program (SMP). For purposes of these studies data are collected on either juvenile life stage, or both the juvenile and adult life stages. The SMP provides information for in-season management of the hydrosystem and post-season analyses to the federal, state, and tribal fishery agencies. We would like to share with you some of the information we developed under this study for the fish used from the Wells Hatchery facility.

Under the Smolt Monitoring Program, information is collected on the timing and migration speed from the hatchery to McNary Dam.

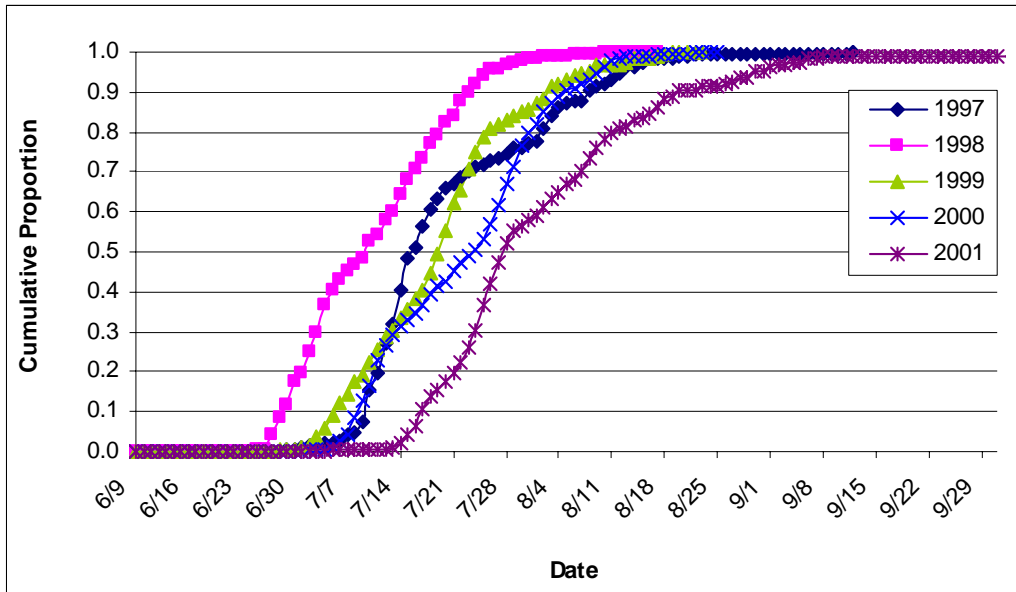
## Wells Hatchery Yearling and Subyearling Chinook Travel Times

Release Age	Release Date	Migration Year	Travel Time (Days)			Confidence Limits 95%		Priest Rapids	
			Min	Med	Max	Lower	Upper	Flow (kcfs)	Temp (F)
CH1	9-Apr	1997	16.7	29.2	56.1	28.1	30.4	172.1	45.8
CH1	4/15-5/	1998	8.8	29	111.6	28.1	30	160.5	51.1
CH0	24-Jun	1997	5.1	23	80.6	20.9	24.9	80.8	61.4
CH0	10-Jun	1998	8.1	30.8	68.4	29.8	32	148.7	61.8
CH0	19-Jun	1999	9.6	30.6	65.5	29.6	31.3	192.6	59
CH0	19-Jun	2000	12.4	35.3	67	32.5	36.5	132.7	
CH0	20-Jun	2001	14.8	37.8	309.5	36.9	39.6	69.8	63
CH0	17-Jun	2002	7.1	25.8	66.3	25.3	26.3	100.3	
CH0	17-Jun	2003	12.7	23.9	54.7	23.7	24.3	85.5	
CH0	12-May	2004	27.8	47.2	78.5	46.4	48.3	135.8	
CH0	15-Jun	2004	11.4	27.1	150.5	26.9	27.6	134.1	
CH0	18-May	2005	12.6	37.1	60.9	35.8	38.5		
CH0	13-Jun	2005	12.6	23.4	38.9	19.9	28.8	131.5	
CH0	12-May	2006	16.3	38.6	65.8	37	39.1	184.5	
CH0	14-Jun	2006	9.7	21.2	51.8	19.8	23.5		

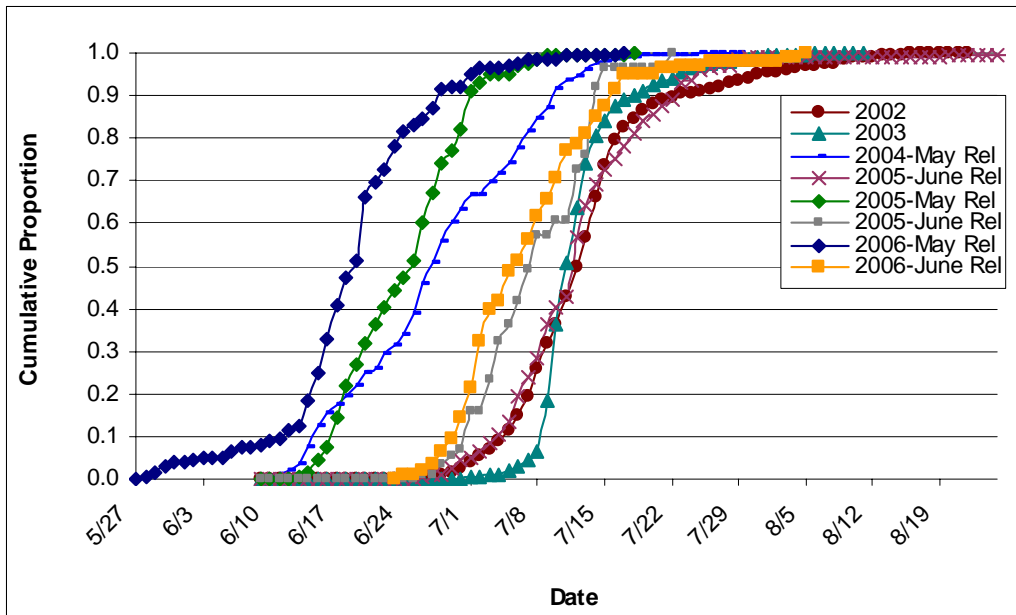
The above table describes the median travel times from each release site to McNary Dam along with the minimum and maximum travel time. It also provides the 95% confidence limits around the estimated median travel time.

Also, we are providing the following graphs which show passage timing of the hatchery releases to McNary Dam for the past nine years. To better facilitate comparison, we have broken the years into two separate graphs. Please note the different scales on the x-axis.

**Wells Hatchery – Subyearling Chinook (1997-2001)  
Passage Timing to McNary Dam**

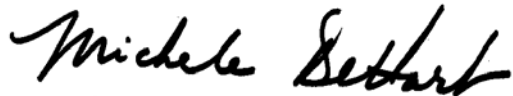


**Wells Hatchery – Subyearling Chinook (2002-2006)  
Passage Timing to McNary Dam**



We hope that the information we have provided regarding the use and application of information from the groups that have been marked at the hatchery over the last several years is of some use to you. If you would like any additional information regarding these releases please feel free to contact us.

Sincerely,

A handwritten signature in black ink that reads "Michele DeHart". The signature is written in a cursive, flowing style.

Michele DeHart  
Fish Passage Center Manager

Cc: Charlie Petrosky, IDF&G  
Doug DeHart, USFWS  
FPAC