

Snake River Fall Chinook Salmon Workshop

Hosted By U.S. Army Corps of Engineers

May 26-27, 2010

May 26: 12:30-5pm – Review of regional fall Chinook research

May 27: 8am-4pm – Technical work group discussion

DAY 1 – May 26, 2010

Session 1: Life History of Snake River Fall Chinook Salmon

*indicates presenter

INTRODUCTIONS – 12:30-1:00

A. Life history characters of Snake River Fall Chinook salmon collected off the Oregon/Washington coast.

*B.Beckman, D. Teel, J. Fisher, C. Morgan, E.Casillas (1:00-1:20)

B. Short and long-term impacts of PIT tags on hatchery fall and spring Chinook salmon

*C. Knudsen, S. Schroeder, M. Johnston, W. Bosch, D. Fast (1:20-1:40)

C. Review of Snake River fall Chinook salmon spawning and distribution in the Snake River Basin.

*B. Arnsberg and P. Groves (1:40-2:00)

D. Snake River fall Chinook salmon hatchery production overview

M. Schuck and *J. Hesse (2:00-2:20)

E. Freshwater life history of natural Snake River Basin Fall Chinook salmon juveniles

*W. Connor and B. Arnsberg (2:20-2:40)

Break 2:40 -3:00

Session 2*: An Introduction of the history of evaluating summer and fall transportation and summer spill

A. Winter passage of juvenile fall Chinook salmon in the Snake River

*K. Tiffan (3:00-3:20)

B. Using scales from returning Snake River Fall Chinook salmon to better understand their early life history

*D. Marsh, W. Connor, and W. Muir (3:20-3:40)

C. An overview of Snake River subyearling Chinook salmon transport studies, 2001-2004

*D.Marsh and W. Muir (3:40- 4:00).

D. Evaluating the responses of Snake and Columbia River fall Chinook salmon to dam passage strategies and experiences: consensus research proposal summary

*J. Hesse (4:00- 4:20).

Panel Discussion, Questions and Comments (4:20 – 5:00)

DAY 2 – May 27, 2010

Technical work group discussion and presentations.

- A. Introduction (Facilitator 8:00 – 8:10)
- B. Application of the classic CJS mark recapture model – successes and uncertainty
*S. Smith (8:20- 8:40).
- C. Estimating and predicting the probability of bypassing subyearling Chinook salmon at Lower Granite Dam
*J. Plumb (8:40-9:00)
- D. An overview of the CSS approach
*S. Haeseker (9:00-9:20)

BREAK 9:20-9:30

- E. Sample catch probability, run and origin identification and life history terminology.
*S. Haeseker (9:30-9:50)
- F. Describe the effect of extended water up of the PIT-tag detection system and overwintering on estimates of Lower Granite Equivalents
*R. Buchanan (9:50-10:10)
- G. Inclusion of down river releases from other studies
*S. Haeseker (10:10-10:30)
- H. Similarity indices comparison of natural, surrogate, and production release groups.
*W. Connor (10:30-10:50)