

DFO Synthesis workshop on the decline of Fraser River Sockeye

April 14-15, 2011 Nanaimo, BC

Meeting objectives:

- (1) Review the state of evidence for factors contributing to the Fraser sockeye situation with a focus on disease, aquaculture and marine survival.
- (2) Develop approach for technical and narrative reports that synthesize the current state of knowledge on reasons for the long term decline and the notable 2009 and 2010 returns.

April 14, 2011

12:30 Opening remarks – Mark Saunders, Denis D'Amours (Meeting Chair)

12:45 Current status of Fraser Sockeye – Sue Grant

1:30- Round table updates on hypotheses – 15 min for Short summary and discussion of any
3:45 recent developments:

- Harmful algal blooms in the Strait of Georgia/Puget Sound/JuandeFuca or Johnstone Strait are an important contributor to the Fraser sockeye situation: **Jim Irvine**/Angelica Pena/Dick Beamish
- Contaminants in the Fraser River and/or Strait of Georgia are an important contributor to the Fraser Sockeye situation. Including review of Cohen project paper 2.: **Peter Ross**/Robbie MacDonald
- Freshwater habitat conditions in the Fraser River watershed are an important contributor to the Fraser sockeye situation. (*need to include discussion of lower River and estuary*): **Mike Bradford**/Erl MacIlsac/Dave Patterson Dan Selbie/Teri Sutherland
- Enroute mortality (including the effects on fitness of the next generation) is an important contributor to the Fraser sockeye situation: **Dave Patterson**/Timber Whitehouse/Sue Grant
- Delayed density dependent mortality is an important contributor to the Fraser sockeye situation: **Dan Selbie**/Arlene Tompkins/Sue Grant/Timber Whitehouse
- Competitive interactions with pink salmon are an important contributor to the Fraser sockeye situation: **Dick Beamish**/Marc Trudel/Jim Irvine
- Predation by marine mammals is an important contributor to the Fraser Sockeye Situation. **John Ford**/Peter Olesiuk
- Unreported catch in the ocean outside the PST area is an important contributor to the Fraser Sockeye situation: **Terry Beacham**/Arlene Tompkins
- Squid are an important contributor to the Fraser sockeye situation: **Graham Gillespie**

4:00 *Adjourn for the day*

April 15, 2011

- 8:30 Welcome and summary of Day 1 – Mark Saunders
- 9:00 Marine and Freshwater pathogens (bacteria, parasites and/or viruses) are important contributors to the Fraser Sockeye situation.
Stewart Johnson/Kristi Miller/Kyle Garver/Simon Jones/Mark Sheppard/Ruth Withler/Mark Higgins/Dorothee Kieser,/ Christine MacWilliams
- 10:30 Aquaculture interactions in the Discovery Passage area are an important contributor to the Fraser Sockeye situation..
Simon Jones/Stewart Johnson/Brent Hargreaves/Mark Sheppard
- 12:00 Lunch
- 1:00 Ocean conditions INSIDE and OUTSIDE the Strait of Georgia are important contributors to the Fraser Sockeye situation. (*need to also consider high seas*)
Dick Beamish/Marc Trudel/Rick Thomson/Dave Mackas/Angelica Pena/Chrys Neville/Dave Preikshot/ Jim Irvine/Kim Hyatt/Bill Crawford
- 2:30 Discussion of approach to analysis, publication and reporting of synthesis of knowledge on reasons for the long term decline and the notable 2009 and 2010 returns.
- 3:30 Summary and next steps – Mark Saunders/Denis D'Amours
- 3:40 Closing remarks – Laura Richards
- 4:00 Adjourn