

# 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