

Evaluating the Effects of Salmon Fisheries on Southern Resident Killer Whales

Introduction to the 2nd Workshop

March 13-15, 2012

Coast Coal Harbour Hotel
1180 West Hastings Street
Vancouver, BC

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Outline

- Where we are in workshop process
- Objectives & agenda for workshop 2
- Principles, procedures, roles



NOAA/DFO: Bilateral Workshop Process to Consider Effects of Fisheries on Southern Resident Killer Whales (as updated March 2, 2012)

LR94:r030212

By June 17, 2011:

- Identify Science Panel (SP) candidates
- SPC Chair and Facilitator selected
- SP members selected
- NOAA/DFO contract with SP members
- Workshop Participants identified and invited
- Reading list compiled and distributed

By Aug. 19, 2011:

- NOAA/DFO prepare Fishery profiles
- NOAA/DFO update energy requirements, coastal prey needs

Workshop 1: Sept 21-23, 2011

- Context setting presentations
- KW ecology
- Fishery impact analyses by NOAA, DFO, and invited others
- Structured discussions of presentations involving SP, presenters, participants

By mid Oct. 2011:

Participants submit written comments re: Workshop 1 presentations

By mid Nov. 2011:

Panel identifies more analysis by NOAA, DFO for Workshop 2

By Feb. 3, 2012:

other participants identify analysis they wish to present at W2

By March 7, 2012:

Participants make available analyses to be presented at W2

By March 7, 2012:

- NOAA & DFO complete and post additional analyses as requested by SP
- Others complete analyses they want to present at Workshop 2; results posted
- NOAA documents marine mammal performance metrics for SP review

Workshop 2: March 13-15, 2012

- New and/or revised fishery impact analyses by NOAA, DFO, other scientists
- Panel and participants review and discuss presentations and their implications
- Panel meets separately at conclusion of workshop to begin shaping their draft report

By April 30, 2012:

SP produces first draft of report with:

- Preliminary findings
- KW performance metrics review
- Information/data gaps, uncertainties identified
- Draft report posted for public comment

By June 15, 2012:

deadline for receipt of public comments on draft report of SP

By Aug. 15, 2012:

- NOAA/DFO comment on Draft 1
- Public comments compiled/categorized by NOAA/DFO for discussion at W3 among SP and W3 participants
- NOAA develops, analyzes, reports results of alternative fishing scenarios

Workshop 3: Sept 18-20, 2012

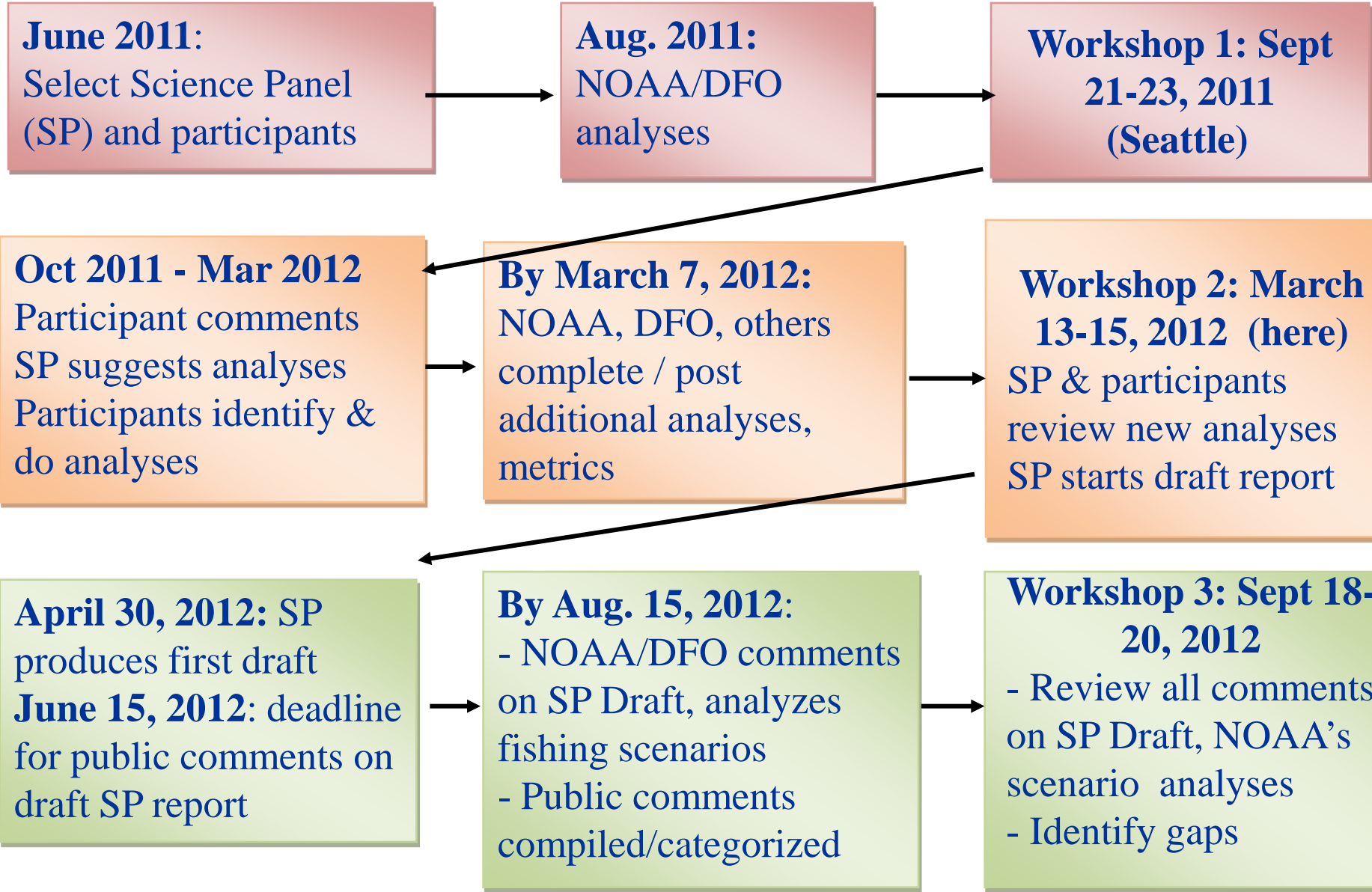
- Review public and agency comments on Draft 1 of SP report
- Review/comment on NOAA's alternative fishery scenarios analyses
- Identify information/data gaps

By Nov. 30, 2012, Science Panel produces its Final Report

By Jan. 31, 2013, NOAA finalizes Alt. Fishing Regimes report.

By Mar. 31, 2013, NOAA initiates or reinitiates ESA fishery consultations if necessary

Process



Process after W3

By Nov. 30, 2012,
Science Panel
produces its Final
Report



By Jan. 31, 2013,
NOAA finalizes
Alt. Fishing
Regimes report.



By Mar. 31, 2013
NOAA initiates or
reinitiates ESA fishery
consultations if
necessary

OBJECTIVES (see agenda for details)

1. NOAA/DFO scientists present analyses prepared in response to feedback from Workshop 1.
2. Other scientists give presentations in response to Workshop 1 or other pertinent issues.
3. Science Panel and participants discuss new information, ideas and analyses presented during Workshop 2.
4. Science Panel forms tentative conclusions, identifies key uncertainties in discussions with participants.
5. Science Panel and Facilitator meet after workshop to synthesize ideas and begin writing their draft report.

What the workshop IS and ISN'T

- It is meant to provide:
 - rigorous examination of:
 - scientific research (i.e., factual context)
 - strengths and weaknesses of analyses conducted to date
 - collaborative discussions of future steps
- It is not meant to address:
 - policy implications of scientific findings
 - recommended management actions
 - management agreements

AGENDA OVERVIEW

Day 1:

Introduction

Status of Killer Whales

LUNCH

Estimating Chinook Abundance & Potential Changes in Prey Availability

Day 2:

Chinook Fisheries, Other Prey, and Other Predators

LUNCH

Relationship between Chinook Abundance & KW Population Dynamics

Day 3:

Looking Forward [BREAK AT 10:30]

Science Panel

PRINCIPLES

- Be hard on the problem, easy on the people
- First understand the pattern, then explore analyses of potential factors / causes
- Justify comments based on evidence
- Be explicit about assumptions & uncertainties
- Be open to alternative approaches
- Respect the agenda time lines
- State ideas concisely

QUESTIONS & DISCUSSION

- **Questions and Discussion**
 - After presentations and/or after set of presentations
 - Science Panel priority for first half
 - Discussion open to all participants for second half
- **Discussion of Next Steps on Day 3**

ROLES

- **Facilitators**
 - Keep group focused on agenda topics and on schedule
 - Facilitate and track discussion
 - Facilitate report-writing with Science Panel
- **Presenters**
 - Present your findings to the group
 - Respect timelines
- **Science Panel**
 - Provide constructive feedback; probe evidence/analyses
 - Suggest other analyses, future steps
 - Collaboratively review & synthesize research presented
- **Participants**
 - Provide constructive feedback in discussion
 - Provide written feedback if desired

Any questions?



Photo Credit:
Astrid Van Ginneken,
Center for Whale Research

AGENDA OVERVIEW (Day 2)

Day 1:

Introduction

Status of Killer Whales

Estimating Chinook Abundance and Potential Changes in Prey Availability

Day 2:

8:30–12:40 pm: Chinook Fisheries, Other Prey, and Other Predators

12:40–1:50 pm: LUNCH

1:50–5:00 pm: Relationship between Chinook Abundance and Killer Whale Population Dynamics

Day 3:

Looking Forward

Science Panel

AGENDA OVERVIEW (Day 3)

Day 1:

Introduction

Status of Killer Whales

Estimating Chinook Abundance and Potential Changes in Prey Availability

Day 2:

Chinook Fisheries, Other Prey, and Other Predators

Relationship between Chinook Abundance and Killer Whale Population Dynamics

Day 3:

8:20–10:40 am: Looking Forward

10:55 am–5:00 pm: Science Panel

Effects of Assumptions

Assumptions leading to an overestimate of impact on KW

Assumptions leading to an underestimate of impact on KW

LOGIC DIAGRAM

