

# **NPFMC Crab Modeling Workshop**

February 26-March 1, 2013

Hilton Hotel, Anchorage

## **Background**

The North Pacific Fishery Management Council is sponsoring another technical crab modeling workshop to provide feedback to stock assessment authors on issues associated with model development, for the developing Aleutian Islands golden king crab model and the Norton Sound red king crab model. While the focus of the workshop will be primarily on these two models, some additional discussion will be held on progress towards development of a generic king crab model as well as data sources (pot surveys etc) for both assessment models. The goal in all cases is to provide an opportunity to have constructive deliberations on assessment approaches and data analyses prior to SSC and subsequent Crab Plan Team (CPT) review later in the spring.

## ***Format***

Discussion of these models will be limited to the topics on the agenda and will focus on technical aspects of developing the models. This meeting will be open to the public. The workshop will be conducted in a manner consistent with the format of Council Plan Teams. André Punt (UW) will Chair the meeting and together with Diana Stram (Council staff) will prepare the meeting report and recommendations of the invited participants. The Chair will allow public input following discussion and comments from invited participants to the extent possible. Consensus recommendations of the participants will be reflected in the meeting report. Non-consensus recommendations will be reflected to the extent possible in the discussion of the meeting report.

The format of the assessment review is intended to be a split-format review of both models. Model documentation must be provided at least one week in advance of the meeting (no later than February 19<sup>th</sup>), with the authors expected to come to the meeting with a series of scenarios and questions for consideration at the workshop. Model code will also be provided to a sub-set of the participants as identified by the Chair at the same time as the model documentation. Models are intended to be run real-time during the meeting to best facilitate feedback and problem-solving during the workshop week. The meeting will be made available on webex as well.

## ***Topics***

1. Aleutian Islands golden king crab model development
2. Update on ADFG pot survey results
3. Norton Sound red king crab model development
4. Overview of generic crab model

## ***Participants***

The following confirmed participants include members of the Council's CPT and SSC, and additional experts: (additional may also be participating)

André Punt (chair-UW)

Doug Pengilly (ADF&G)

Martin Dorn (NMFS-AFSC)

Jack Turnock (NMFS-AFSC)

Steve Martell (IPHC)

Jason Gasper (NMFS-RO)

Bob Foy (NMFS-AFSC)

Buck Stockhausen (NMFS-AFSC)

Shareef Siddeek  
(presenter, ADF&G)

Athol Whitten (UW)

Cody Szuwalski (UW)

Gordon Kruse (UAF)

Terry Quinn (UAF)

Jie Zheng (ADF&G)

Paul Starr

Toshihide Hamazaki

(presenter, ADF&G)

Diana Stram (NPFMC)

Jim Ianelli (NMFS-AFSC)\*

Bill Gaeman (ADF&G) \*

Chris Siddon (ADF&G)\*

\*may be participating by Webex

## **Draft Agenda (note all start times at 9am):**

Tues 26<sup>th</sup>

9am overview/intro and objectives

9:30 presentation of ADFG pot survey results;

10:30 AIGKC model overview and scenarios

*Lunch 12-1pm*

1pm AIGKC model overview and scenarios (continue)

2pm NSRKC data source overview and CPUE analysis

3pm NSRKC model overview and scenarios

Wed 27<sup>th</sup>

9am report back on alternative scenarios for AIGKC and NSRKC

*Lunch 12-1pm*

1pm continue work/discussion of AIGKC and NSRKC runs

Thurs 28<sup>th</sup>

9am continue work/discussion of AIGKC and NSRKC runs

*Lunch 12-1pm*

1pm continue work/discussion of AIGKC and NSRKC runs

Fri March 1<sup>st</sup>

9am Review main workshop recommendations; report finalization schedule

*Lunch 12-1pm*

1pm overview of progress towards generic crab assessment model

3pm adjourn