NPFMC Crab Modeling Workshop

January 9-13th, 2012
Alaska Fisheries Science Center

Background

The North Pacific Fishery Management Council is sponsoring a technical crab modeling workshop to provide feedback to stock assessment authors on issues associated with model development, for the developing Tanner crab model and associated rebuilding strategies for the forthcoming rebuilding plan and the Aleutian Island golden king crab model. While the focus of the workshop will be primarily on these 2 models, one other issue will be addressed with respect establishing a set of guidelines for estimating the pdf of the OFL for purposes of setting the maxABC according to the Council's maxABC control rule. The goal in all cases is to provide an opportunity to have constructive deliberations on assessment approaches and data analysis 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. Steve Martell (UBC) 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 2 weeks in advance of the meeting (no later than December 23rd), 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.

Topics

1. Tanner crab model development
2. Aleutian Islands golden king crab model development
3. Tanner crab rebuilding plan projection scenarios, proposed area closures
4. OFL pdf guidelines

Participants

The following invited participants (not yet confirmed) include members of the Council's CPT and SSC, and additional experts:

Steve Martell (UBC)-Chair

Lou Rugolo (AFSC-Seattle) -presenter

Shareef Siddeek (ADF&G –Juneau) -presenter

Martin Dorn (AFSC-Seattle)

Karla Bush (ADF&G-Juneau)

Teresa A'mar (AFSC-Seattle)

Anne Hollowed (AFSC-Seattle-SSC member)

Bill Gaeman (ADF&G-Kodiak)

Diana Stram (NPFMC)

André Punt (Univ. Washington)

Gordon Kruse –(UAF-SSC member)

Terry Quinn (UAF-SSC member)

Dave Sommerton (AFSC)

Bill Clark (IPHC-ret.)

Jack Turnock (AFSC-Seattle) -presenter

Bob Foy (AFSC-Kodiak)

Jim Ianelli (AFSC-Seattle)

Doug Pengilly (ADF&G –Kodiak)

Buck Stockhausen (AFSC-Seattle)

 Jie Zheng (ADF&G-Juneau)

Ginny Eckert (UAF-Juneau)

Dana Hanselman (AFSC-Juneau)

Grant Thompson (AFSC-Seattle)

Doug Woodby (ADF&G Juneau-SSC member)

Farron Wallace –(WADFW-SSC member)

Addtl or alternate SSC members- TBD after December mtg

Draft Agenda:

Mon 9th am -overview/intro and objectives; Tanner crab model overview and scenarios

Mon 9th pm – AIGKC model overview and scenarios

Tues 10th am –OFL pdf discussion

Tues 10th pm- report back on alternative scenarios for AIGKC and Tanner

Wed 11th (all day) -continue work/discussion of AIGKC run and Tanner runs

Thur 12th am- continue work/discussion of AIGKC run and Tanner runs

Thurs 12th pm – Tanner crab projections model for rebuilding, discussion of rebuilding alternatives and proposed area closures

Fri 13th am-overview of Tanner model and rebuilding and AIGKC results and plans for may

Fri 13th pm-Review main workshop recommendations; adjourn by 3pm