Report on SRB-10 and SRB-11

IPHC Interim Meeting

28 Nov 2017

Marc Mangel,
University of California Santa Cruz
and
University of Bergen

Who We Are

Sean Cox
Simon Fraser University

Jim Ianelli
NOAA Fisheries

Kim Scribner
Michigan State University

Our Current Process

Our Current Process

- Meetings (3-4 days) in June and September

Our Current Process

- Meetings (3-4 days) in June and September

- Discussions with IPHC scientists about

Our Current Process

- Meetings (3-4 days) in June and September

- Discussions with IPHC scientists about

  — Development of new methods

Our Current Process

- Meetings (3-4 days) in June and September

- Discussions with IPHC scientists about

  — Development of new methods

  — Results of analyses

Our Current Process

- Meetings (3-4 days) in June and September

- Discussions with IPHC scientists about
  - — Development of new methods
  - — Results of analyses
  - — Presentation of methods and results

Our Current Process

- Meetings (3-4 days) in June and September

- Discussions with IPHC scientists about
  - — Development of new methods
  - — Results of analyses
  - — Presentation of methods and results

- Focused Report with

Our Current Process

- Meetings (3-4 days) in June and September

- Discussions with IPHC scientists about
  - — Development of new methods
  - — Results of analyses
  - — Presentation of methods and results

- Focused Report with
  - — Formal *Recommendations*

Our Current Process

- Meetings (3-4 days) in June and September

- Discussions with IPHC scientists about
  - — Development of new methods
  - — Results of analyses
  - — Presentation of methods and results

- Focused Report with
  - — Formal *Recommendations*
  - — Informal *Requests*

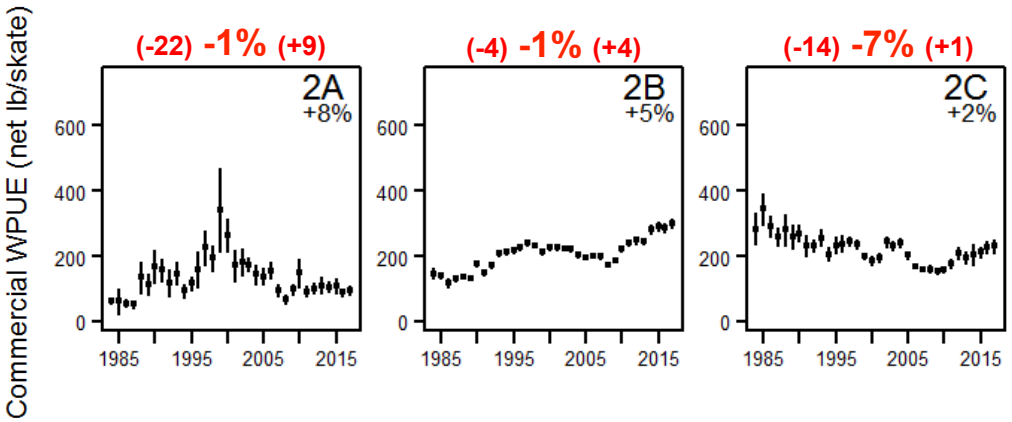
Recommendations from SRB-11

Recommendations from SRB-11

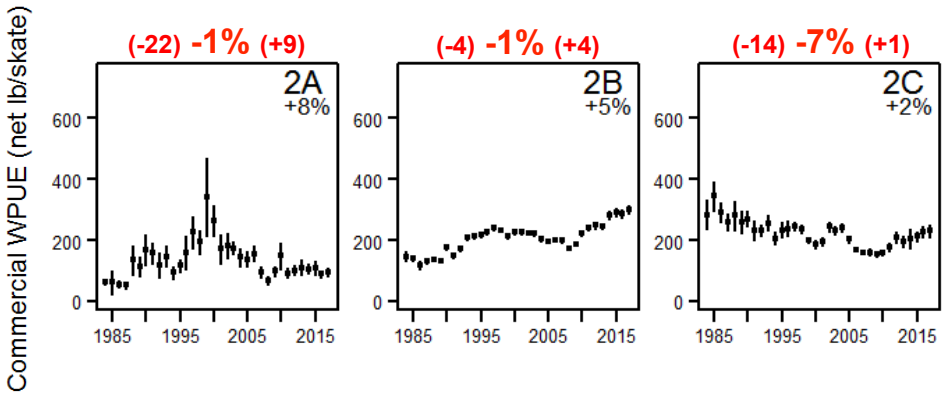
Pacific halibut stock assessment (2017): Data source development

SRB11–Rec.01 (para. 14) The SRB **RECOMMENDED** continuing to down-weight terminal year fishery CPUE in the annual stock assessment because terminal and post-season CPUE may be substantially different. Generating and presenting the conditional distribution for post-season CPUE given terminal CPUE, should be undertaken as a way to improve communication about most recent fishery CPUE values.

Commercial WPUE - Bias corrected



Commercial WPUE - Bias corrected



Recommendations from SRB-11

Management Strategy Evaluation: A description of the closed-loop simulations

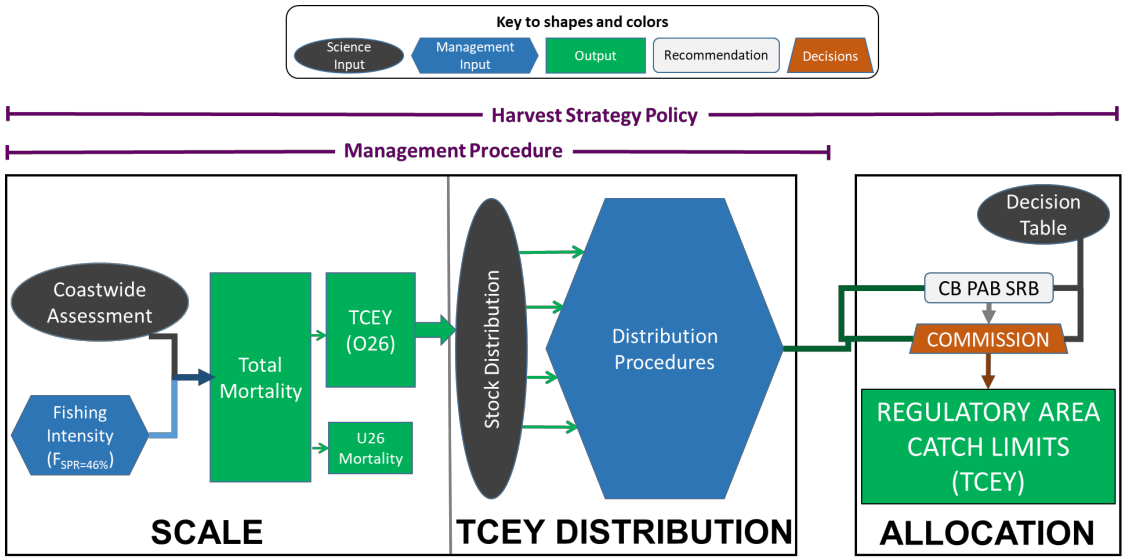
SRB11–Rec.02 (para. 25) The SRB **RECOMMENDED** that the IPHC Secretariat and Management Strategy Advisory Board collaborate to:

a) further clarify and improve the presentation of the Harvest Strategy Policy (Appendix IV). This would improve not only transparency of the existing interim harvest policy, but also of the MSE process for evaluating alternatives.

b) Review harvest policies from other bodies to develop an objectives hierarchy that explicitly prioritizes long-term conservation over short-/medium-term (e.g., 3-8 years) catch performance.

SRB11–Rec.03 (para. 29) The SRB **RECOMMENDED** that the IPHC Secretariat hire a modeler/programmer to support MSE work so that timely feedback can be given the MSAB in the MSE process.

Harvest Strategy Policy



Recommendations from SRB-11

Biological and ecosystem science program: Presentation of potential future research projects

SRB11–Rec.04 (para. 36) The SRB **RECOMMENDED** that IPHC consider hiring a life-history modeler to provide more explicit linkage between the empirical biological program and the applied assessment and MSE modeling programs.

REPORT OF THE INTERNATIONAL FISHERIES COMMISSION

APPOINTED UNDER THE TREATY BETWEEN THE UNITED STATES AND GREAT BRITAIN FOR THE PRESERVATION OF THE NORTHERN PACIFIC HALIBUT FISHERY

NUMBER 2

LIFE HISTORY OF THE PACIFIC HALIBUT
(1) MARKING EXPERIMENTS

BY

WILLIAM F. THOMPSON AND WILLIAM C. HERRINGTON

COMMISSIONERS

WILLIAM A. FOUND — MILLER FREEMAN
HENRY O'MALLEY — JOHN PEASE BABCOCK, Chairman

VICTORIA, B. C.
PRINTED BY DIGGON'S LIMITED
1930

REPORT OF THE INTERNATIONAL FISHERIES COMMISSION

APPOINTED UNDER THE TREATY BETWEEN THE UNITED STATES AND CANADA FOR THE PRESERVATION OF THE NORTHERN PACIFIC HALIBUT FISHERY

NUMBER 9

LIFE HISTORY OF THE PACIFIC HALIBUT

(2) DISTRIBUTION AND EARLY LIFE HISTORY

BY

WILLIAM F. THOMPSON AND RICHARD VAN CLEVE

COMMISSIONERS:

WILLIAM A. FOUND — EDWARD W. ALLEN
FRANK T. BELL — JOHN PEASE BABCOCK, Chairman

SEATTLE, WASHINGTON
1936

Requests from SRB-11

Requests from SRB-11

Size limit analysis for 2017: Update

SRB11–Req.05 (para. 21) **NOTING** the thoughtful and detailed presentation on the potential impacts of changing the minimum size limit presented in Appendix E (*Evaluation of adaptive management approaches*) of paper IPHC-2017-SRB11-07, the SRB **REQUESTED** that the IPHC Secretariat, between now and SRB12, seek feedback from the Commissioners, Conference Board, Processor Advisory Board, and the Management Strategy Advisory Board, on a modified version of Appendix E. In particular, a modified version would include (i) a process for starting and possibly ending an experiment, (ii) performance metrics, and (iii) criteria for making conclusions based on the experimental outcomes.

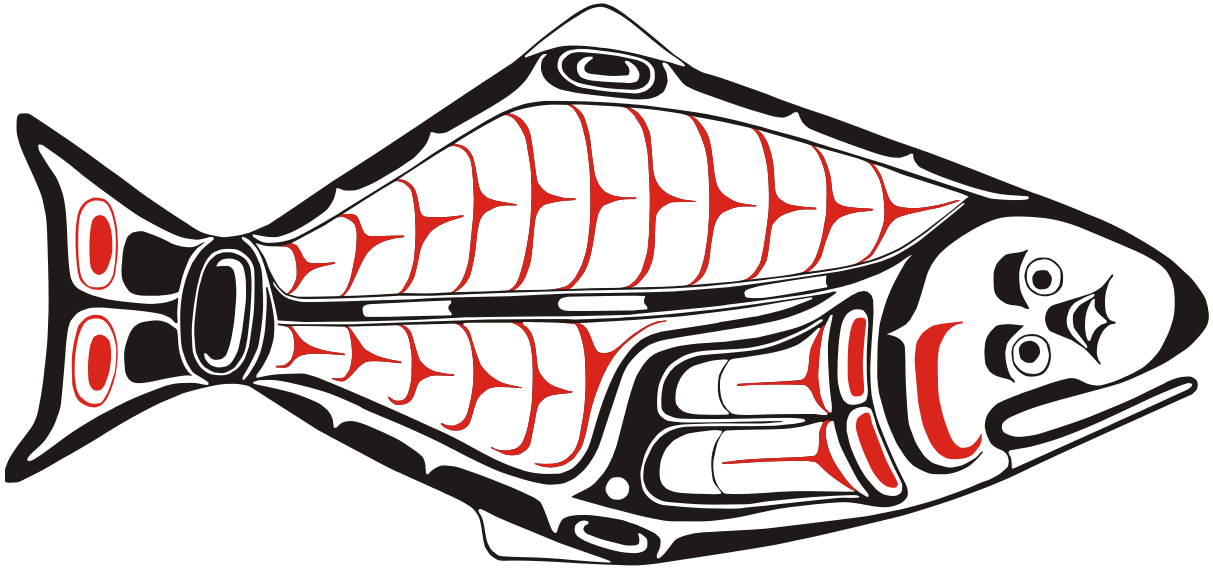
Summary of MSL considerations

	Status quo 32" MSL	Reduced MSL	No MSL
Wastage	No change	unknown	Down
Total yield	No change	Up	Up
Harvest of males	No change	Up	Up
Selectivity	No change	unknown	unknown
Biological data on total catch	Incomplete	Incomplete	Sampled in port
Management robustness	No change	Down	Down
Recruitment refuge	No change	Down	Down
Fishery efficiency (retained catch-rate)	No change	Up	Up
Price	No change	Emergent	Emergent
Fishery value	No change	Depends on price	Depends on price

Requests from SRB-11

Biological and ecosystem science program: Progress on ongoing IPHC-funded research projects

SRB11–Req.08 (para. 32) The SRB **REQUESTED** that the IPHC Secretariat prepare a presentation for SRB12, on the overall research initiatives to show how stock assessment, biology, and policy are integrated. Ultimately, such an integrated presentation should be a key component of science presentations at future IPHC Annual Meetings. For example, all research presentations would have been more effective had there been:

a) more precise linkages among key knowledge gaps within the biology, annual stock assessment, and MSE simulations;
b) a specific suite of questions to be discussed during the SRB meeting;
c) sufficient background material provided such that the SRB can provide informed comment and advice related to the specific questions in (b).

Thank you for your attention