

INTERNATIONAL PACIFIC



HALIBUT COMMISSION

Reports of the IPHC Scientific Review Board

Agenda Item 8

IPHC-2020-SRB016-R

IPHC-2020-SRB017-R



SRB IN 2020

The SRB consisted of four (4) board members, required to be independent of the Contracting Parties



Dr. Sean
Cox

May 2013-
current
(6 years)



Dr. Kim
Scribner

July 2017-
current
(2 years)



Dr. Sven
Kupschus

June 2019-
current
(<1 year)



Dr. Olaf
Jensen

June
2020-
current



BACKGROUND

- 16th Session of the IPHC Scientific Advisory Board (SRB016) was held from 23-25 June 2020.
- 17th Session of the IPHC Scientific Advisory Board (SRB017) was held from 22-24 September 2020.

SRB016 – *primarily focused on research*

SRB017 – *primarily focused on the FISS rationalization and the MSE results*

For brevity, the Recommendations arising from the SRB in 2020 are the focus of this presentation



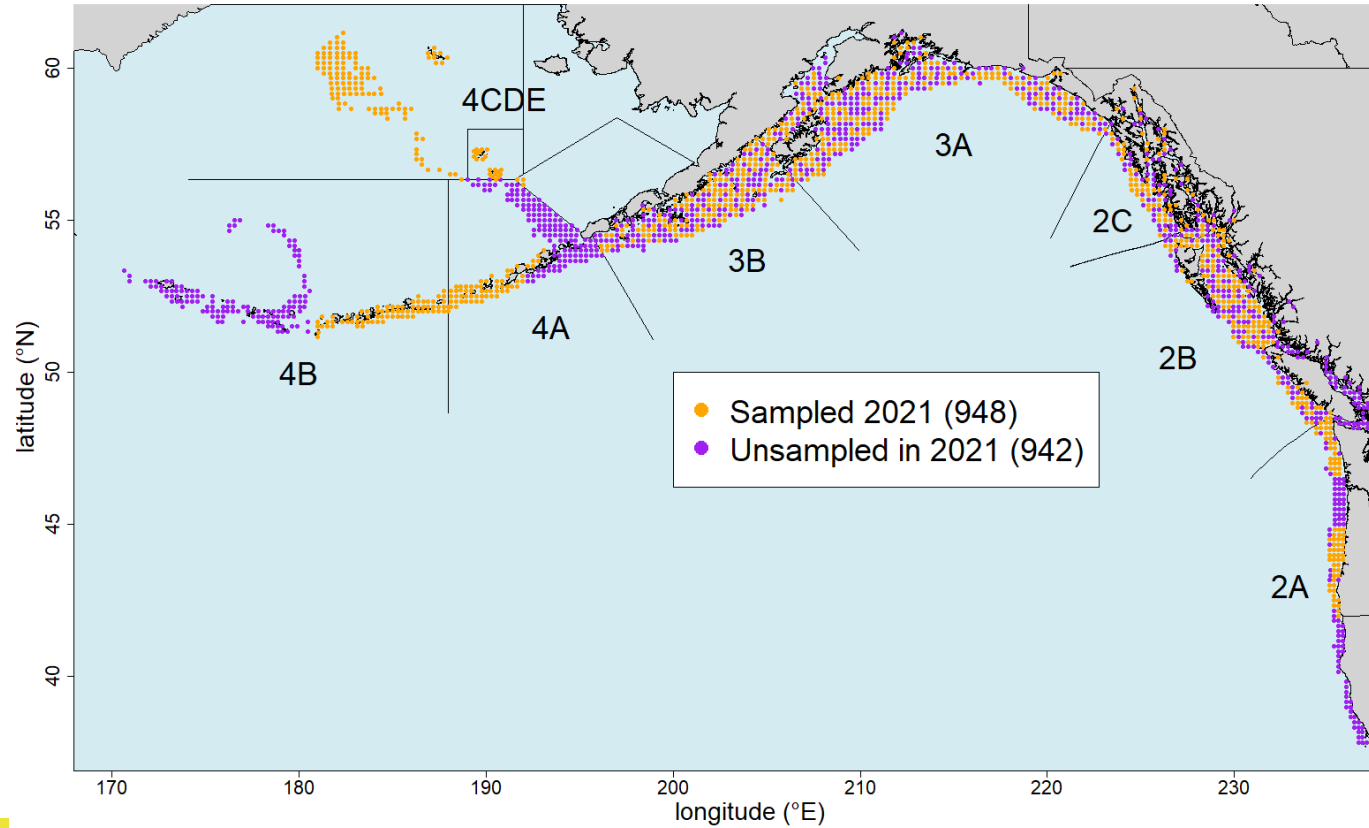
RECOMMENDATIONS

IPHC Fishery-independent setline survey (FISS)

SRB017–Rec.01 ([para. 14](#)) The SRB **RECOMMENDED** that the Commission endorse the final 2021 FISS design as proposed by IPHC Secretariat, and provided at [Appendix IVa](#).



APPENDIX IV
IPHC FISHERY-INDEPENDENT SETLINE SURVEY (FISS) DESIGN PROPOSED FOR 2021, AND
TENTATIVELY PROPOSED FOR 2022-23



RECOMMENDATIONS

Biological and ecosystem science program research updates

SRB017–Rec.02 ([para. 31](#)) **NOTING** the improved presentation of the research integration plan, the SRB **RECOMMENDED** that the research planning table shown in the meeting presentation for paper IPHC-2020-SRB017-08, be improved by adding clear prioritization of biological research needs for addressing uncertainties in the stock assessment and MSE programs. Ideally, this would be in the form of ranked biological uncertainties/parameters for the stock assessment and MSE operating model along with an explanation for deviations from this ranked list.



RECOMMENDATIONS

Genetics and Genomics

SRB017–Rec.03 ([para. 49](#)) **NOTING** IPHC Secretariat responses to SRB016-Req. 15 that requested additional methodological detail pertaining to ongoing genomics research, the SRB **RECOMMENDED** that the IPHC Secretariat work with collectors to develop a series of benchmark summary statistics that characterize the quality of the Pacific halibut genome developed.



RECOMMENDATIONS

Research integration

SRB017–Rec.04 ([para. 53](#)) The SRB **RECOMMENDED** that the IPHC Secretariat incorporate prioritization of research activities, as well as the timeline of available research outputs as inputs into the stock assessment and MSE processes.

SRB017–Rec.05 ([para. 54](#)) The SRB **RECOMMENDED** that the IPHC Secretariat identify those research areas with uncertainty and indicate research questions that would require the SRB to provide input and/or decision in future documentation and presentations provided to the SRB.



RECOMMENDATIONS

Management Strategy Evaluation

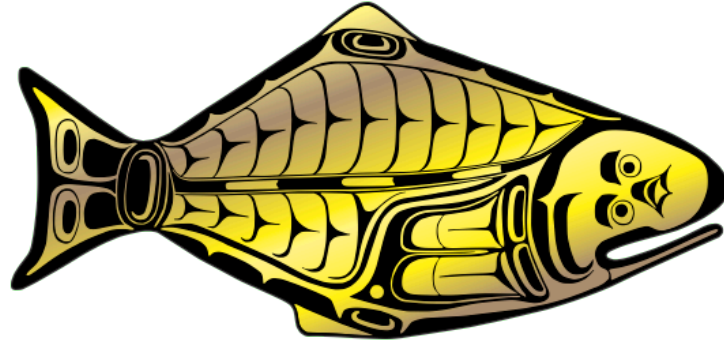
SRB017–Rec.06 ([para. 57](#)) The SRB **NOTED** three options for estimation error are available and currently the option of simulating estimation is the most appropriate option to evaluate results in 2020, but **RECOMMENDED** continuing work to incorporate actual estimation models, as in the third option, because that method would best mimic the current assessment process.

SRB017–Rec.07 ([para. 59](#)) The SRB **RECOMMENDED** using the current MSE results to compare and contrast management procedures incorporating scale and distribution elements, but **NOTED** that, current results are conditional on some parameters and processes that remain uncertain. The uncertainty in applying the untested current approach potentially creates greater risk than adopting a repeatable management procedure that has been simulation tested under a wide range of uncertainties.

SRB017–Rec.08 ([para. 60](#)) The SRB **RECOMMENDED** that Exceptional Circumstances be defined to determine whether monitoring information has potentially departed from their expected distributions generated by the MSE. Declaration of Exceptional Circumstances may warrant re-opening and revising the operating models and testing procedures used to justify a particular management procedure.



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