



Report of the 98th Session of the IPHC Annual Meeting (AM098)

Meeting held electronically, 24-28 January 2022

Commissioners

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ACRONYMS

AM	Annual Meeting
CB	Conference Board
COVID-19	Coronavirus Disease 2019 (a.k.a. SARS-CoV-2)
DFO	Fisheries and Ocean Canada
FCEY	Fishery Constant Exploitation Yield
FISS	Fishery-Independent Setline Survey
FY	Financial Year
GAAP	Generally Accepted Accounting Principles
GSA	General Services Administration
IPHC	International Pacific Halibut Commission
MSAB	Management Strategy Advisory Board
NPFMC	North Pacific Fishery Management Council
NOAA	National Oceanic and Atmospheric Administration
O32	Over 32” fish
PAB	Processor Advisory Board
PFMC	Pacific Fishery Management Council
RAB	Research Advisory Board
SB	Spawning Biomass
SRB	Scientific Review Board
SPR	Spawning Potential Ratio
TCEY	Total Constant Exploitation Yield
U32	Under 32” fish
WPUE	Weight-Per-Unit-Effort

DEFINITIONS

A set of working definitions are provided in the IPHC Glossary of Terms and abbreviations:
<https://www.iphc.int/the-commission/glossary-of-terms-and-abbreviations>

HOW TO INTERPRET TERMINOLOGY CONTAINED IN THIS REPORT

This report has been written using the following terms and associated definitions so as to remove ambiguity surrounding how particular paragraphs should be interpreted.

- Level 1:** **RECOMMENDED; RECOMMENDATION; ADOPTED** (formal); **REQUESTED; ENDORSED; ACCEPTED** (informal): A conclusion for an action to be undertaken, by a Contracting Party, a subsidiary (advisory) body of the Commission and/or the IPHC Secretariat.
- Level 2:** **AGREED:** Any point of discussion from a meeting which the Commission considers to be an agreed course of action covered by its mandate, which has not already been dealt with under Level 1 above; a general point of agreement among delegations/participants of a meeting which does not need to be elevated in the Commission’s reporting structure.
- Level 3:** **NOTED/NOTING; CONSIDERED; URGED; ACKNOWLEDGED:** General terms to be used for consistency. Any point of discussion from a meeting which the Commission considers to be important enough to record in a meeting report for future reference. Any other term may be used to highlight to the reader of an IPHC report, the importance of the relevant paragraph. Other terms may be used but will be considered for explanatory/informational purposes only and shall have no higher rating within the reporting terminology hierarchy than Level 3.



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EXECUTIVE SUMMARY

The 98th Session of the International Pacific Halibut Commission (IPHC) Annual Meeting (AM098) was held electronically from 24-28 January 2022. A total of 27 participants (6 Commissioners: Members; 21 advisors/experts) attended the Session from the two (2) Contracting Parties, as well as 172 members of the public via the webcast. The meeting was opened by the Chairperson, Mr Glenn Merrill (U.S.A.) and the Vice-Chairperson, Mr Paul Ryall (Canada) who welcomed participants.

The following are a subset of the complete recommendations and requests for action from the AM098, which are provided at [Appendix XVI](#).

IPHC PACIFIC HALIBUT FISHERY REGULATIONS 2022

IPHC Fishery Regulations: Mortality and Fishery Limits (Sect. 5)

(para. 75) The Commission **NOTED** and **ADOPTED** fishery regulation proposal [IPHC-2022-AM098-PropA1 Rev 1](#), which provides the mortality and fishery limits framework for population at AM098 ([Appendix VI](#)).

(para. 76) The Commission **ADOPTED** the distributed mortality limits for each Contracting Party, by IPHC Regulatory Area, ([Table 5](#)) and sector, as provided for in [Appendix VI](#). [Canada: In favour=3, Against=0][USA: In favour=3, Against=0]

Table 5. Adopted TCEY mortality limits for 2022

Contracting Party IPHC Regulatory Area	Mortality limit (TCEY) (mlbs)	Mortality limit (TCEY) (metric tonnes)
Canada Total: 2B	7.56	3,429
USA: 2A	1.65	748
USA: 2C	5.91	2,681
USA: 3A	14.55	6,600
USA: 3B	3.90	1,769
USA: 4A	2.10	953
USA: 4B	1.45	658
USA: 4CDE	4.10	1,860
United States of America Total	33.66	15,268
Total (IPHC Convention Area)	41.22	18,697

IPHC Fishery Regulations: Commercial fishing periods (Sect. 9)

(para. 79) The Commission **ADOPTED** fishing periods for 2022 as provided below, thereby superseding the relevant portions of Section 9 of the IPHC Pacific halibut fishery regulations ([Appendix VII](#)) by specifying that commercial fishing for Pacific halibut in all IPHC Regulatory Areas may begin no earlier than 1200 (noon) local time on 6 March and must cease at 1200 (noon) local time on 7 December, 2022.

IPHC Fishery Regulations: minor amendments

(para. 80) The Commission **NOTED** and **ADOPTED** fishery regulation proposal [IPHC-2022-AM098-PropA3](#), which proposed minor amendments to the existing IPHC Fishery Regulations, improving their clarity and consistency ([Appendix VIII](#)).



Recreational (sport) fishing for Pacific halibut—IPHC Regulatory areas 2c, 3a, 3b, 4a, 4b, 4c, 4d, 4e (sect. 29) - Recordkeeping for charter Pacific halibut annual limits

(para. 81) The Commission **NOTED** and **ADOPTED** fishery regulation proposal [IPHC-2022-AM098-PropB1 Rev 1](#), which proposed establishing recordkeeping requirements needed to enforce Pacific halibut annual limits for recreational (sport) fishing for Pacific halibut in IPHC Regulatory Areas 2C and 3A ([Appendix IX](#)).

IPHC Fishery Regulations: Charter management measures in IPHC Regulatory Areas 2C and 3A (Sect. 29)

(para. 82) The Commission **NOTED** and **ADOPTED** fishery regulation proposal [IPHC-2022-AM098-PropB2](#), which proposed IPHC Regulation changes for charter recreational Pacific halibut fisheries in IPHC Regulatory Areas 2C and 3A ([Appendix X](#)), in order to achieve the charter Pacific halibut allocation under the North Pacific Fisheries Management Council's (NPFMC) Pacific halibut Catch Sharing Plan:

- a) IPHC Regulatory Area 2C – one-fish bag limit with size limit of less than or equal to 40 inches or greater than or equal to 80 inches;
- b) IPHC Regulatory Area 3A – two-fish bag limit with one fish of any size and a second fish less than or equal to 28 inches, Wednesdays and two Tuesdays (26 July and 2 August) closed to retention of Pacific halibut, one trip per vessel and one trip per permit per day. See IPHC-2022-AM098-PropB2 for additional detail.

IPHC Fishery Regulations: Fishing gear (Sect. 18) – Trap gear use in IPHC Regulatory Area 2b

(para. 83) The Commission **NOTED** and **ADOPTED** fishery regulation proposal [IPHC-2022-AM098-PropB3](#), which proposed IPHC Regulation changes to allow trap gear use on directed commercial trips in IPHC Regulatory Area 2B ([Appendix XI](#)). The Commission also expressed interest in sharing experience between Contracting Parties on the effectiveness of the use of traps/pots in preventing whale depredation.

RECOMMENDATIONS

12th Special Session of the Commission (SS012)

AM098-Rec.02 (para. 116) The Commission **RECOMMENDED** that the 12th Special Session of the Commission be held electronically in late February or early March 2022 and include the following agenda items: 1) FY2023 budget review and adoption; 2) Management Strategy Evaluation; 3) IPHC Fishery Regulations: Daily bag limit in IPHC Regulatory Area 2B (Sect. 28) ([IPHC-2022-AM098-PropB4](#)).

REQUESTS

Management Strategy Evaluation

AM098-Req.02 (para. 61) The Commission **RECALLED** SS011-Rec.01 and **REQUESTED** that the current size limit (32 inches), a 26 inch size limit, and no size limit be investigated, to understand the long-term effects of a change in the size limit.

AM098-Req.03 (para. 63) The Commission **REQUESTED** that the IPHC Secretariat work with the SRB and others as necessary to identify potential costs and benefits of not conducting an annual stock assessment. This will include a prioritized list of work items that could be accomplished in its place.

AM098-Req.04 (para. 64) The Commission **REQUESTED** that multi-year management procedures include the following concepts:



- a) The stock assessment occurs biennially (and possibly triennial if time in 2022 allows) and no changes would occur to the FISS (i.e. remains annual);
- b) The TCEY within IPHC Regulatory Areas for non-assessment years:
 - i. remains the same as defined in the previous assessment year, or
 - ii. changes within IPHC Regulatory Areas using simple empirical rules, to be developed by the IPHC Secretariat, that incorporate FISS data.

AM098–Req.05 ([para. 66](#)) The Commission **NOTED** that a distribution procedure is necessary to evaluate the size limit and multi-year assessment management procedures, and **REQUESTED** that a range of distribution procedures be used to highlight potential differences in the performance of size limits and multi-year assessments.

AM098–Req.06 ([para. 68](#)) The Commission **REQUESTED** that work continue on methods to evaluate MSE outcomes, including providing new alternative methods to quickly evaluate large sets of management procedures, which may involve ranking them in various ways.

IPHC Rules of Procedure (2022)

AM098–Req.08 ([para. 105](#)) The Commission **ADOPTED** the IPHC Rules of Procedure (2022), as provided in [IPHC-2022-FAC098-09](#), and **REQUESTED** that the IPHC Secretariat finalise and publish them accordingly with the following amendments:

- 1) amend para. 1.a of the RAB ToR’s to read as follows:

“I.1.a Suggest research topics to be considered for incorporation in the IPHC integrated research and monitoring activities, as well as to comment upon operational and implementation considerations of those research and monitoring activities.”

- 2) retain para. 14 of the PAB TOR’s:

“14. Conduct of meetings: Parliamentary procedure will be used in the conduct of the PAB”

Other key outcomes

FY2022 Budget – update

([para. 97](#)) The Commission **ADOPTED** the revised FY2022 budget (1 October 2021 to 30 September 2022), as detailed in [Appendix XII](#), noting that the amendments do not change the previously adopted Contracting Party contributions for FY2022, nor the extra-budgetary contributions (Ref: [IPHC-2021-SS011-R](#), paras, 11 and 12). The amendments made were to accommodate the final 2022 FISS design and other amendments to continue the IPHC’s move to Fund accounting, and to better align expected expenses with the new Chart of Accounts adopted in 2021.



1. OPENING OF THE SESSION

1. The 98th Session of the International Pacific Halibut Commission (IPHC) Annual Meeting (AM098) was held electronically from 24-28 January 2022. A total of 27 participants (6 Commissioners: Members; 21 advisors/experts) attended the Session from the two (2) Contracting Parties, as well as 172 members of the public via the webcast. The list of participants is provided at [Appendix I](#). The meeting was opened by the Chairperson, Mr Glenn Merrill (U.S.A.) and the Vice-Chairperson, Mr Paul Ryall (Canada) who welcomed participants.

2. ADOPTION OF THE AGENDA AND ARRANGEMENTS FOR THE SESSION

2. The Commission **ADOPTED** the Agenda as provided at [Appendix II](#). The documents provided to the AM098 are listed in [Appendix III](#).

3. IPHC PROCESS

3.1 *Update on actions arising from the 97th Session of the IPHC Annual Meeting (AM097), 97th Session of the IPHC Interim Meeting (IM097), and 2021 Special Sessions*

3. The Commission **NOTED** paper [IPHC-2022-AM098-03](#), which provided the Commission with an opportunity to consider the progress made during the inter-sessional period, in relation to the direct requests for action by the Commission during the 97th Session of the IPHC Annual Meeting (AM097), 97th Session of the IPHC Interim Meeting (IM097) and 2021 Special Sessions (SS010, SS011).
4. The Commission **AGREED** to consider and revise as necessary, the actions arising from the AM097, IM097, and 2021 Special Sessions, and for these to be combined with any new actions arising from the AM098.

3.2 *Report of the IPHC Secretariat (2021)*

5. The Commission **NOTED** paper [IPHC-2022-AM098-04](#) which provided the Commission with an update on activities of the IPHC Secretariat in 2021 not detailed in other papers before the Commission.
6. The Commission **NOTED** a number of Secretariat staff departures in the past year and ongoing efforts to retain and recruit employees.

3.3 *2nd IPHC Performance Review (PRIPHC02): Implementation of recommendations*

7. The Commission **NOTED** paper [IPHC-2022-AM098-05](#) which provided the Commission with an update on the implementation of the recommendations arising from the 2nd Performance Review of the IPHC (PRIPHC02).
8. The Commission **NOTED** that progress has not been made on the below recommendation PRIPHC02-Rec.09, and Canadian Commissioners' desire to develop a plan to make meaningful and timely progress on this recommendation:

PRIPHC02-Rec.09 [modified Commission directive]: *“The Commission RECOMMENDED that the IPHC Secretariat, in consultation with the Commission, develop minimum data collection standards for Pacific halibut by scientific observer programs. The intention would be for the Commission to review and approve the minimum standards, and recommend them for implementation by domestic agencies.”*

9. The Commission **REQUESTED** that a ‘scorecard’ be added to the covering paper of the PRIPHC02 update paper, for future meeting documents. Mindful that a timeline to address the set of recommendations is by the end of 2024, the intention would be to better facilitate a discussion of progress and feasibility of the current set of recommendations.



3.4 *Report of the 22nd Session of the IPHC Research Advisory Board (RAB022)*

10. The Commission **NOTED** the Report of the 22nd Session of the IPHC Research Advisory Board (RAB022) ([IPHC-2021-RAB022-R](#)) which was presented by the Chairperson, Dr David Wilson.
11. The Commission **CONSIDERED** the recommendations made by the RAB022 and **AGREED** to take them into consideration when deliberating on relevant agenda items throughout the meeting.

3.5 *Reports of the IPHC Scientific Review Board*

12. The Commission **NOTED** the Reports of the 18th and 19th Sessions of the IPHC Scientific Review Board (SRB018 - [IPHC-2021-SRB018-R](#); SRB019 - [IPHC-2021-SRB019-R](#)) which were presented by the Chairperson, Dr Sean Cox (Simon Fraser University, Vancouver, Canada).
13. The Commission **CONSIDERED** the recommendations made by the SRB in 2021 and **AGREED** to take them into consideration when deliberating on relevant agenda items throughout the meeting.

4. FISHERY DATA OVERVIEW (2021)

14. The Commission **NOTED** paper [IPHC-2022-AM098-06 Rev 1](#) which provided an overview of the key fishery statistics regarding Pacific halibut removals from fisheries catching Pacific halibut during 2021, including the status of landings compared to fishery limits implemented by the Contracting Parties of the Commission.
15. The Commission **NOTED** the overage in IPHC Regulatory Area 2C, where 108% of the fishery limit was harvested. The Commission also **NOTED** the overages in the guided recreational fishery limits in Regulatory Areas 2C and 3A (142% and 126% of limit, respectively). The Commission **NOTED** that neither the Contracting Party exceeded their catch limits.
16. The Commission **NOTED** that in-season action taken in the Regulatory Area 2B recreational fishery which is reported in IPHC-2022-AM098-NR01, but not in IPHC-2022-AM098-06. On 11 September 2021, the daily limit in Canada was increased to three (3) fish for Pacific halibut under 90 cm in length, in line with IPHC regulatory language for 2B adopted by the Commission at IPHC Special Session 10 (SS010).

5. STOCK STATUS OF PACIFIC HALIBUT (2021) AND HARVEST DECISION TABLE (2022)

5.1 *IPHC Fishery-Independent Setline Survey (FISS) design and implementation in 2021*

17. The Commission **NOTED** paper [IPHC-2022-AM098-07](#) which provided an overview of the IPHC's FISS design and implementation in 2021.
18. The Commission **RECALLED** that the annual IPHC Fishery-Independent Setline Survey (FISS) of the Pacific halibut stock was augmented from 2014-2019 with expansion stations that filled in gaps in coverage in the annual FISS. Prior to 2020, the standard grid of stations comprised 1,200 stations. Following the completion of the FISS in 2019, expansion stations were added to the standard grid in all IPHC Regulatory Areas, now totalling 1,890 stations for the full FISS design ([Fig. 1](#)), within the prescribed depth range of 18 to 732 metres (10 to 400 fathoms).
19. The Commission **RECALLED** that at the [9th Special Session of the Commission](#) (SS09), the Commission recommended a FISS design for 2021 that included 1,346 stations coastwide ([Fig. 2](#)). The design comprised sampling of subareas within IPHC Regulatory Areas 2A, 4A, and 4B intended to reduce potential bias (relative to historical observed changes year-to-year) and to achieve a level of precision comparable to or better than recent setline surveys. Sampling in 2021 for IPHC Regulatory Areas 2B (except inside waters), and 3B included random subsampling from the full design to provide for unbiased estimates, while increasing precision relative to recent setline surveys. Sampling in IPHC Regulatory Area 4CDE included 100% of the full FISS design.

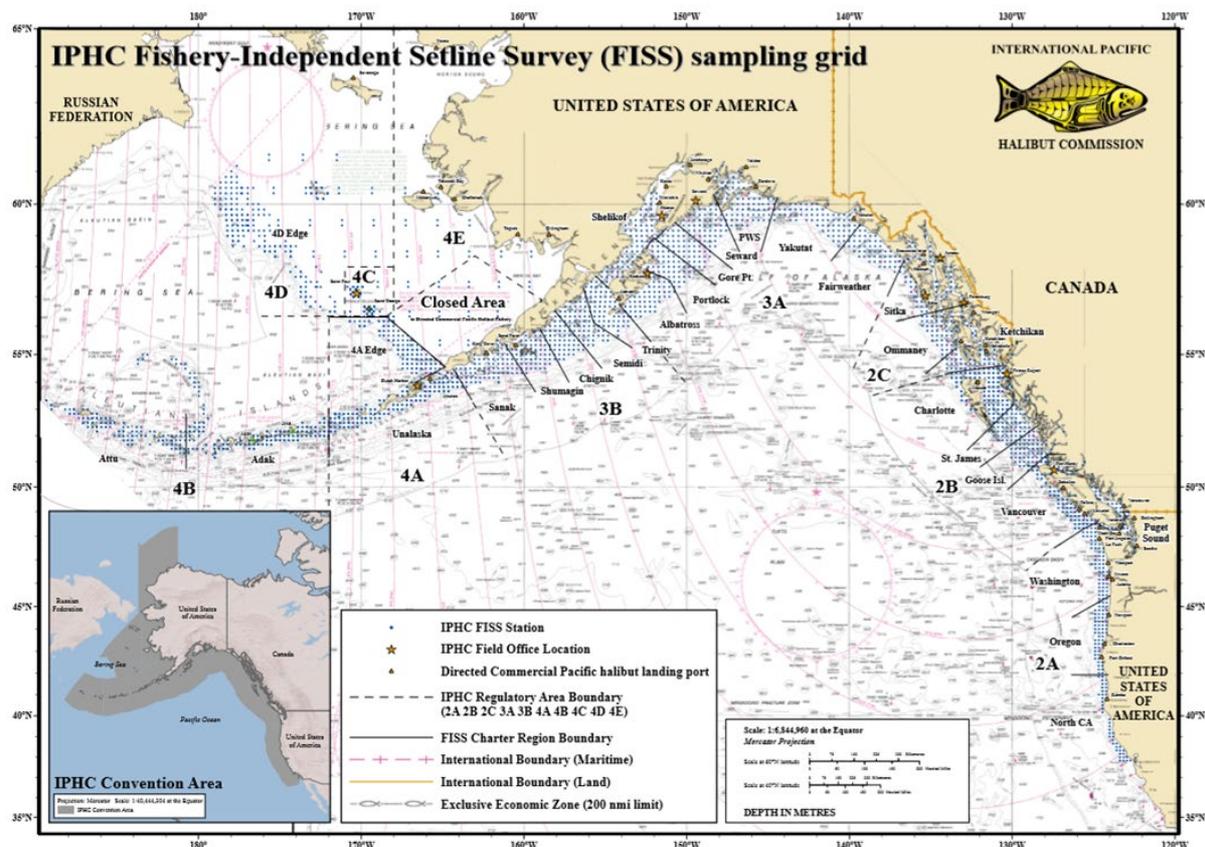


Figure 1. IPHC Fishery-Independent Setline Survey (FISS) with full sampling grid shown.

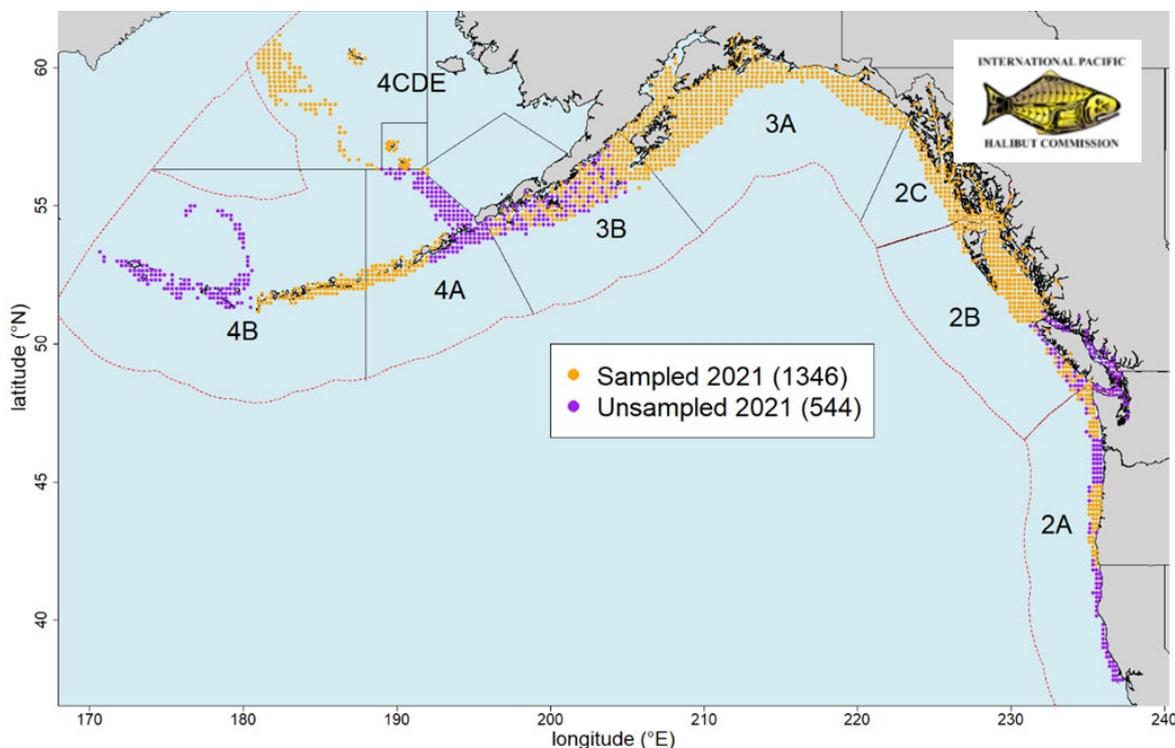


Figure 2. Map of the 2021 FISS design endorsed by the Commission on 8 December 2020 (IPHC-2020-SS09-R). Purple circles were not to be sampled in 2021.

20. The Commission **NOTED** that as in previous years, all legal-sized (O32) Pacific halibut that were caught on FISS stations were retained and sold. In addition, beginning in 2020, sub-legal (U32) Pacific halibut that were caught and randomly selected for otolith sampling were also retained and sold. This helps to



offset costs of the FISS and to prevent discarding of dead fish. FISS vessels also retained for sale incidentally captured rockfish (*Sebastes* spp.) and Pacific cod (*Gadus macrocephalus*). These species were retained because they rarely survive the barotrauma resulting from capture. Most vessel contracts provided the vessel a lump sum payment, along with a 10% share of the Pacific halibut proceeds and a 50% share of the incidental catch proceeds. The average coastwide price received for U32 fish in 2021 was US\$5.66/lb (up from US\$4.16), while the average coastwide price for O32 fish was US\$6.91/lb (up from US\$4.77).

21. The Commission **NOTED** that the 2021 FISS chartered 13 commercial longline vessels (four Canadian and nine U.S.A.) during a combined 82 trips and 801 charter days. Otoliths were removed from 13,258 fish coastwide. Approximately 373 tonnes (823,000 pounds) of Pacific halibut, 33 tonnes (73,600 pounds) of Pacific cod, and 40 tonnes (87,250 pounds) of rockfish were landed from the FISS stations.
22. The Commission **NOTED** that in 2021, individual Pacific halibut were again weighed at sea throughout the FISS (project commenced in 2019) in order to improve the quality of estimates based on Pacific halibut weight. The use of direct weight measurements will lead to more accurate estimates of WPUE and other quantities based on weights, allow estimation of length-weight curves based on all sizes available to longline gear (whereas collections from directed commercial landings only measure fish greater than or equal to 81.3 cm in length) and provide additional information on biases in the standard curve and spatial differences in the length-weight relationship.
23. The Commission **NOTED** that the interactive views of the 2021 FISS results (including all prior years) were made publicly available via the IPHC website on 29 October 2021: <https://www.iphc.int/data/setline-survey-catch-per-unit-effort>.
24. The Commission **NOTED** that due to vessel mechanical issues and poor weather, 74 of the 140 stations that were planned to be sampled in Regulatory 4CDE were able to be successfully fished in 2021. No sampling in Regulatory Area 4CDE occurred in 2020.
25. The Commission **CONGRATULATED** the IPHC Secretariat for delivering the 2021 FISS safely under continued very difficult circumstances, and that it was a great success, meeting both the Commission's scientific requirements and maintaining its economic goal of long-term revenue neutrality.

5.2 *Space-time modelling of survey data*

26. The Commission **NOTED** paper [IPHC-2022-AM098-08](#) which provided the results of the 2021 space-time modelling of Pacific halibut survey data for the period 1993-2021 (including data from several fishery-independent surveys), and modelling results from fixed- and snap-gear comparison in IPHC Regulatory Area 3A.
27. The Commission **NOTED** [Figure 3](#) which shows the time series estimates of O32 WPUE (most comparable to fishery catch-rates) over the 1993-2021 period included in the 2021 space-time modelling. Overall, there was an estimated increase of 4% in the coastwide O32 WPUE index from 2020, due largely to a 11% increase in Region 3 ([Fig. 3](#)).
28. The Commission **NOTED** that in Regulatory Area 3A, data from both fixed and snap gears were used in the modelling. The 2021 study provided ambiguous and inconsistent results, implying the need for a larger and more carefully designed comparison in this geographic region, one that controls as much as possible for factors such as vessel and temporal effects on catch rates of Pacific halibut, as was the case in the 2019 gear comparison study.

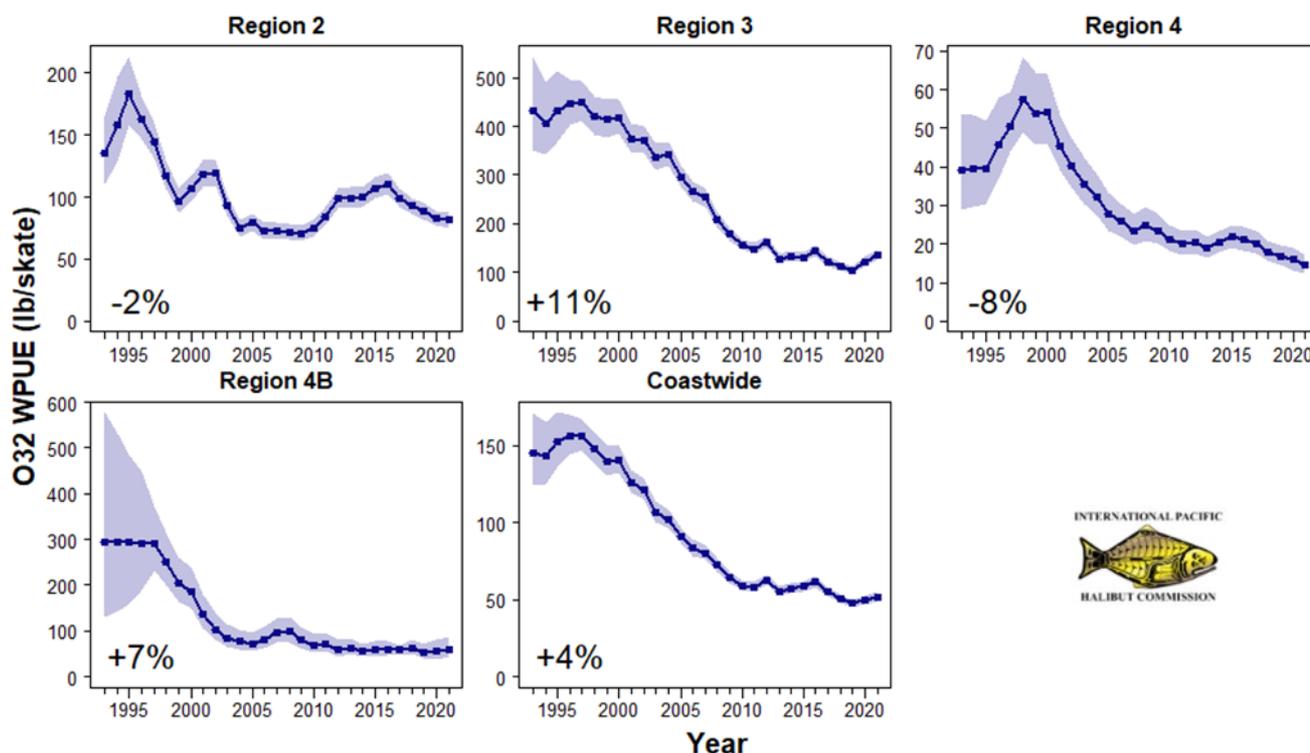


Figure 3. Space-time model output for O32 WPUE for 1993-2021 for Biological Regions. Filled circles denote the posterior means of O32 WPUE for each year. Shaded regions show posterior 95% credible intervals, which provide a measure of uncertainty: the wider the shaded interval, the greater the uncertainty in the estimate. Numeric values in the lower left-hand corners are estimates of the change in mean O32 WPUE from 2020 to 2021.

5.3 2022-24 FISS designs

29. The Commission **NOTED** paper [IPHC-2022-AM098-09](#) which provided the designs for the IPHC’s Fishery-Independent Setline Survey (FISS) for the 2022-24 period, as reviewed and endorsed by the Scientific Review Board in June 2021 (SRB018), and endorsed at IM097:

[IPHC-2021-IM097-R](#), para. 31 “The Commission **ENDORSED** optimized design 1 for the 2022 FISS, with full sampling in IPHC Regulatory Area 4CDE ([Appendix IV](#)), and optimized design 2, reduced sampling in IPHC Regulatory Area 4CDE ([Appendix V](#)), as an alternative if necessary. As with all years, the Commission will have an additional opportunity to modify the 2022 FISS design at AM098.”

[IPHC-2021-IM097-R](#), para. 32 “The Commission provisionally **ENDORSED** the proposed designs for 2023-24, as provisionally endorsed by the Scientific Review Board at SRB018, recognizing that the 2023-24 designs are expected to be modified in subsequent years.”

30. The Commission **RECALLED** that the priority of a rationalised FISS sampling design is to maintain or enhance data quality (precision and bias) by establishing minimum sampling requirements in terms of station count, station distribution, and skates per station. Potential considerations that could add to or modify the design are logistics and cost (secondary design layer), and FISS removals (impact on the stock), data collection assistance for Contracting Party agencies, and IPHC policies (tertiary design layer). These priorities are outlined in [Table 1](#).

31. The Commission **RECALLED** that the addition of stations beyond those required to meet minimum bias and maximum variance targets, whether for logistical or revenue/expense purposes, also provide a



scientific benefit in that year and in subsequent years in the form of increased precision, reduced potential for bias and increased biological sampling.

Table 1. Prioritization of FISS objectives and corresponding design layers.

Priority	Objective	Design Layer
Primary	Sample Pacific halibut for stock assessment and stock distribution estimation.	Minimum sampling requirements in terms of: <ul style="list-style-type: none"> • Station distribution; • Station count; • Skates per station.
Secondary	Long-term revenue neutrality.	Logistics and cost: operational feasibility and cost/revenue neutrality.
Tertiary	Minimize removals, and assist others where feasible on a cost-recovery basis.	Removals: minimize impact on the stock while meeting primary priority; Assist: assist others to collect data on a cost-recovery basis; IPHC policies: ad-hoc decisions of the Commission regarding the FISS design.

2022S Cost and revenue considerations

32. The Commission **NOTED** that FISS design projections for 2022 are based on a 5% decline in catch rates and a 2.5% decline in price relative to 2021.
33. The Commission **NOTED** the support from the IPHC Secretariat, SRB and the RAB, for increased sampling in IPHC Regulatory Area 4CDE, reflecting the increasingly dynamic nature of this area, its critical location near the boundary of Convention waters with Russia, the greater uncertainty associated with no sampling in Regulatory Area 4CDE in 2020, and reduced sampling in 2021 relative to the planned design.
34. The Commission **NOTED** that the net positive revenue from the 2021 FISS allows for \$205,419 to supplement the 2022 design (as presented at the FAC098: [IPHC-2022-FAC098-06](#)).
35. The Commission **NOTED** the two optimized designs provided by the IPHC Secretariat, which include adding additional skates and stations in order to meet secondary objectives; design #1 included sampling of 100% of IPHC Regulatory Area 4CDE, and design #2 included reduced sampling of 4CDE stations (38%; focused on southern stations not sampled in 2021).
36. The Commission **NOTED** that the estimated revenue figures should be considered with a +/- of ~\$500,000 given stock abundance and price uncertainty.

2022 FISS bid specifications and tenders

37. The Commission **NOTED** that the IPHC Secretariat solicited tenders for the 2022 FISS in December 2021 (with tenders due on 31 January 2022), and that the tender specifications incorporated the standard wording around amendments that the Commission may make at any time prior to the FISS season commencing. The tender process follows standard U.S. General Services Administration (GSA) guidelines, and is available on the IPHC website for transparency and accountability purposes.

Decision – 2022 FISS

38. The Commission **RECALLED** the IM097 endorsement of the FISS design options for 2022 ([Appendix IVa and b](#)) and provisional endorsement of the proposed designs for 2023 and 2024 ([Appendix V](#)) ([IPHC-2021-IM097-R](#), paras. 31, 32), and made no further amendments at AM098.

[IPHC-2021-IM097-R](#), para. 31 “The Commission **ENDORSED** optimized design 1 for the 2022 FISS, with full sampling in IPHC Regulatory Area 4CDE ([Appendix IV](#)), and optimized design 2, reduced sampling in IPHC Regulatory Area 4CDE ([Appendix V](#)), as an alternative if necessary...”



39. The Commission **NOTED** that the endorsed FISS design for 2022 may undergo further modification depending on the outcome of the 2022 request for tender process, as well as unforeseen in-season logistical issues that IPHC contracted vessels may encounter throughout 2022 (e.g. weather, mechanical).

5.4 Stock Assessment: Data overview and stock assessment (2021), and harvest decision table (2022)

40. The Commission **NOTED** paper [IPHC-2022-AM098-10](#), which provided the Commission with a summary of data, stock assessment, and short-term (i.e., three (3) years) harvest decision table at the end of 2021.

41. The Commission **NOTED** that the 2021 assessment again updates the same model structure used in 2020 with new data; incremental changes were again documented through a two-part review by the IPHC's scientific review process.

42. The Commission **NOTED** the following scientific advice from the IPHC Secretariat:

- a) **“Sources of mortality:** *In 2021, total Pacific mortality due to fishing increased to 37.66 million pounds (17,084 t) but remained below the 5-year average of 38.48 million pounds (17,456 t). Of that total, 88% comprised the retained catch, up from 84% in 2020.*”
- b) **“Fishing intensity:** *The 2021 fishing mortality corresponded to a point estimate of SPR = 46%; there is a 47% chance that fishing intensity exceeded the IPHC's current reference level of F43%. The Commission does not currently have a coastwide fishing intensity limit reference point.*”
- c) **“Stock status (spawning biomass):** *Current (beginning of 2022) female spawning biomass is estimated to be 191 million pounds (86,600 t), which corresponds to an 45% chance of being below the IPHC trigger reference point of SB30%, and less than a 1% chance of being below the IPHC limit reference point of SB20%. The stock is estimated to have declined by 17% since 2016 but is currently at 33% of the unfished state. Therefore, the stock is considered to be ‘not overfished’. Projections indicate that mortality consistent with the interim management procedure reference fishing intensity (F43%) is likely to result in further declining biomass levels in the near future.*”
- d) **“Stock distribution:** *The proportion of the coastwide stock represented by Biological Region 3 has increased sharply over 2020-21, reversing over a decade of steady decline. This trend occurs in tandem with declines in Biological Regions 2 and 4; however, all regions remain within the historical range observed from 1993-2021. These estimates have been updated and strongly informed by the comprehensive FISS design implemented in 2021.*”

43. The Commission **NOTED** the following outlook for the stock provided by the IPHC Secretariat:

“Outlook. *The projections for this assessment are more optimistic than those from the 2019 and 2020 assessments due to the increasing projected maturity of the 2012 year-class. This translates to a lower probability of stock decline for 2022 than in recent assessments as well as a decrease in this probability through 2023-24. There is greater than a 50% probability of stock decline in 2023 (55-64/100) for the entire range of SPR values from 40-46%, which include the status quo TCEY and the F43% reference level. The 2022 “3-year surplus” alternative, corresponds to a TCEY of 38.0 million pounds (~17,240 t), and a projected SPR of 48% (credible interval 32-63%; [Table 2](#), [Figure 4](#)). At the reference level (a projected SPR of 43%), the probability of spawning biomass decline from 2022 to 2023 is 59%, decreasing to 55% in three years, as the 2012 cohort matures. The one-year risk of the stock dropping below SB30% ranges from 43% at the F46% level to 45% at the at the F40% level of fishing intensity.*”

44. The Commission **NOTED** that the current projection trends rely on the continued growth and maturation of the 2012 year-class, and that this represents a major source of uncertainty.

45. The Commission **NOTED** that stock projections were conducted using the integrated results from the stock assessment ensemble in tandem with summaries of the 2021 directed and non-directed fisheries. The



harvest decision table (Table 2) provides a comparison of the relative risk (in times out of 100), using stock and fishery metrics (rows), against a range of alternative harvest levels for 2022 (columns). The block of rows entitled “Stock Trend” provides for evaluation of the risks to short-term trend in spawning biomass, independent of all harvest policy calculations. The remaining rows portray risks relative to the spawning biomass reference points (“Stock Status”) and fishery performance relative to the approach identified in the interim management procedure. The alternatives (columns) include several levels of mortality intended for evaluation of stock and management procedure dynamics.

Table 2. Harvest decision table for 2022 mortality limits. Columns correspond to yield alternatives and rows to risk metrics. Values in the table represent the probability, in “times out of 100” (or percent chance) of a particular risk.

				2022 Alternative											
				Total mortality (M lb)		3-Year Surplus		Status quo		Reference $F_{43\%}$					
				0.0	31.2	38.7	39.2	39.9	40.2	41.1	42.4	43.8	45.2	46.6	61.2
				TCEY (M lb)		37.5	38.0	38.7	39.0	39.9	41.2	42.6	44.0	45.4	60.0
				2022 fishing intensity		$F_{46\%}$	$F_{46\%}$	$F_{45\%}$	$F_{45\%}$	$F_{44\%}$	$F_{43\%}$	$F_{42\%}$	$F_{41\%}$	$F_{40\%}$	$F_{32\%}$
				Fishing intensity interval		—	32-64%	32-63%	32-63%	31-63%	31-62%	30-61%	29-60%	28-59%	28-59%
Stock Trend (spawning biomass)	in 2023	is less than 2022	<1	39	55	55	56	57	58	59	61	63	64	84	a
		is 5% less than 2022	<1	3	14	16	18	19	21	25	30	34	37	58	b
	in 2024	is less than 2022	<1	39	53	54	55	55	56	58	59	61	62	80	c
		is 5% less than 2022	<1	16	37	39	40	41	43	46	48	50	52	66	d
	in 2025	is less than 2022	<1	33	49	50	51	52	53	55	56	58	60	77	e
		is 5% less than 2022	<1	18	38	39	41	42	43	46	48	50	52	67	f
Stock Status (Spawning biomass)	in 2023	is less than 30%	31	40	43	43	43	43	44	44	44	45	45	48	g
		is less than 20%	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	h
	in 2024	is less than 30%	16	34	39	39	40	40	41	41	42	43	44	49	i
		is less than 20%	<1	<1	<1	<1	<1	1	1	1	1	1	1	6	j
	in 2025	is less than 30%	4	29	36	37	37	37	38	40	41	42	43	49	k
		is less than 20%	<1	<1	1	1	1	1	1	1	2	2	3	12	l
Fishery Trend (TCEY)	in 2023	is less than 2022	0	21	48	49	49	49	50	50	50	50	51	70	m
		is 10% less than 2022	0	7	41	42	44	45	47	48	49	50	50	58	n
	in 2024	is less than 2022	0	22	48	48	49	49	50	50	50	50	50	69	o
		is 10% less than 2022	0	9	41	42	44	45	46	48	49	50	50	58	p
	in 2025	is less than 2022	0	22	47	48	48	49	49	50	50	50	50	68	q
		is 10% less than 2022	0	10	40	42	43	44	46	48	49	49	50	58	r
Fishery Status (Fishing intensity)	in 2022	is above $F_{43\%}$	0	20	48	49	49	50	50	50	50	50	51	70	s

Terms: *Constant Exploitation Yield (CEY):* A specific concept from the IPHC's interim management procedure: the Total CEY (TCEY) is the current basis for Commission mortality limits. TCEY includes all sources and sizes of mortality, except discard mortality in non-directed fisheries less than 26 inches in length (66cm; U26). The Fishery CEY (FCEY) is the amount of yield for directed Pacific halibut fisheries as defined by IPHC Regulatory Area-specific catch agreements, where applicable. *Spawning Potential Ratio (SPR):* A commonly used metric of fishing intensity. SPR is the ratio of the equilibrium spawning biomass per recruit given some level of fishing and the equilibrium spawning biomass per recruit in the absence of fishing. Sometimes referred to as SBR, relative Spawning Biomass per Recruit.

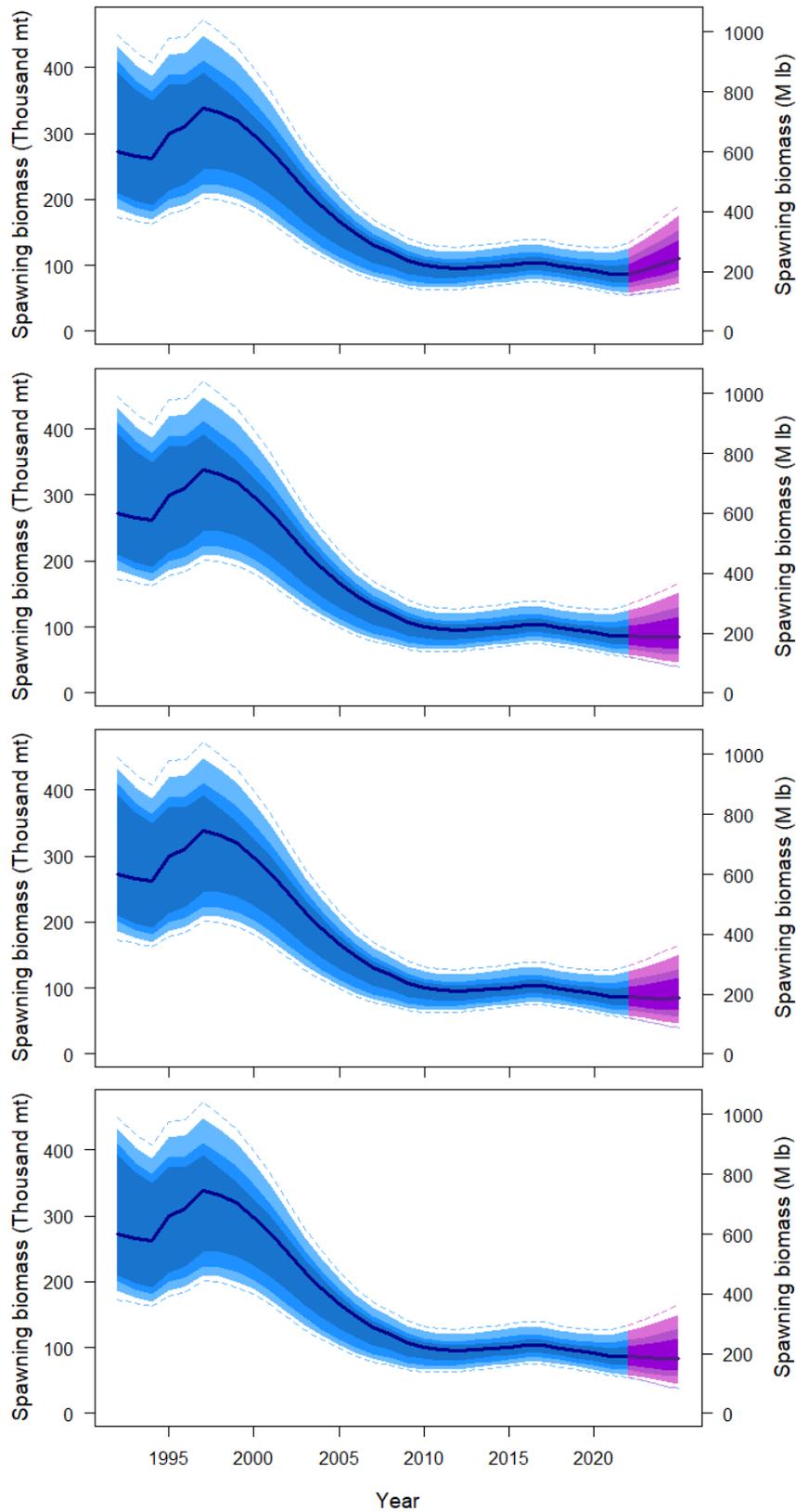


Figure 4. Three-year projections of stock trend under alternative levels of mortality: no fishing mortality (upper panel), the 3-year surplus (a TCEY of 38.0 million pounds, ~17,240 tonnes; second panel), the status quo TCEY set in 2021 of 39.0 million pounds, 17,690 tonnes; third panel), and the TCEY projected for the IPHC’s interim management procedure (41.2 million pounds, 18,690 tonnes; lower panel).



5.5 Pacific halibut mortality projections using the IPHC mortality projection tool (2022)

46. The Commission **NOTED** paper [IPHC-2022-AM098-INF02](#) which provided an updated description of the IPHC’s web-based mortality projection tool (<https://www.iphc.int/data/projection-tool>) for setting mortality limits in 2022. This tool provides all user groups the ability to create alternative projection tables as necessary for discussion and decision-making.
47. The Commission **RECALLED** that the interim management procedure, as described in paragraph 97 of [IPHC-2020-IM096-R](#), uses the O32 modelled stock distribution and relative harvest rates (1.0 for IPHC Regulatory Areas 2A-3A and 0.75 for IPHC Regulatory Areas 3B-4CDE), and the reference level of fishing intensity ($F_{43\%}$) to generate the starting point for mortality projections. This starting point is then modified to: 1) set the TCEY for IPHC Regulatory Area 2A to a value of 1.65 million pounds, and 2) allocate a percentage of the coastwide TCEY to IPHC Regulatory Area 2B based on IPHC Regulatory Area 2B’s recent historical average share of 20% (with a weight of 0.7) and O32 stock distribution and relative harvest rate (with a weight of 0.3). Finally, an additional component is added to the IPHC Regulatory Area 2B TCEY accounting for 50% of the estimated yield lost due to projected U26 discard mortality in non-directed fisheries (aka ‘bycatch’) in waters off Alaska, U.S.A.
48. The Commission **NOTED** that the reference projection results (the default in the mortality projection tool) resulted in a 2022 TCEY of 41.22 million lbs ([Tables 3 and 4](#)). This represents an increase from the reference level calculated for 2021 based on the 2020 stock assessment (39.0 million pounds). This increase reflects the updated estimate of the 2012 year-class, larger than those from 2006-2011, as well as the observed mortality in 2021 which was lower than projected and below the coastwide adopted TCEY (as was the case in 2020).

Table 3. Comparison of TCEY values (Mlbs) among IPHC Regulatory Areas from 2019 and projected for 2022.

	2A	2B	2C	3A	3B	4A	4B	4CDE	Total
2019 Reference (SPR=46%)	0.78	4.91	6.26	16.35	2.97	2.21	1.95	4.59	40.00
2019 Adopted (SPR=41%) ¹	1.65	6.83	6.34	13.50	2.90	1.94	1.45	4.00	38.61
2020 Reference (SPR=46%)	1.65	6.22	4.88	9.63	2.89	2.22	1.25	3.16	31.90
2020 Adopted (SPR=42%)	1.65	6.83	5.85	12.20	3.12	1.75	1.31	3.90	36.60
2021 Reference (SPR=43%)	1.65	7.00	5.16	14.12	3.12	2.51	1.47	3.98	39.00
2021 Adopted (SPR=43%)	1.65	7.00	5.80	14.00	3.12	2.05	1.40	3.98	39.00
2022 Reference (SPR=43%)	1.65	7.56	4.75	14.19	5.94	2.18	1.80	3.15	41.22

¹ The reported SPR value represents the estimate at the time of adoption. At the time the 2021 catch limits were adopted, they were predicted to result in an SPR of 43%.

49. The Commission **RECALLED** that the Pacific halibut mortality projections for 2021 based on the attainment of full Protected Species Catch (PSC, a.k.a. bycatch) by the non-directed fleets fishing in Alaska, U.S.A., while maintaining the reference SPR of 43% (as reported in the mortality projection tool), was not acceptable, as it would result in zero mortality for the directed fleet operating in IPHC Regulatory Area 4CDE.



Table 4. Pacific halibut mortality projected for 2022 based on the reference SPR (43%) and interim management procedure for TCEY distribution. All values reported in millions of net pounds.

Mortality Source	2A	2B	2C	3A	3B	4A	4B	4CDE	Total
non-FCEY mortality									
Commercial Discards	0.07	0.21	NA	NA	0.29	0.07	0.06	0.02	0.73
O26 Non-Directed Discards	0.09	0.21	0.07	0.72	0.35	0.24	0.12	1.96	3.76
Recreational	NA	0.03	1.09	1.58	0.01	0.01	0.00	0.00	2.71
Subsistence	NA	0.41	0.29	0.18	0.01	0.01	0.00	0.04	0.94
Total non-FCEY	0.16	0.85	1.45	2.48	0.66	0.34	0.18	2.02	8.13
FCEY mortality									
Commercial Discards	NA	NA	0.10	0.40	NA	NA	NA	NA	0.50
Recreational	0.60	1.01	0.60	2.05	NA	NA	NA	NA	4.26
Subsistence	0.03	NA	NA	NA	NA	NA	NA	NA	0.03
Commercial Landings	0.86	5.70	2.60	9.27	5.28	1.84	1.62	1.13	28.29
Total FCEY	1.49	6.71	3.30	11.71	5.28	1.84	1.62	1.13	33.09
TCEY	1.65	7.56	4.75	14.19	5.94	2.18	1.80	3.15	41.22
U26 Non-directed discards	0.00	0.03	0.00	0.29	0.07	0.08	0.01	0.74	1.23
Total	1.65	7.59	4.75	14.49	6.01	2.25	1.82	3.89	42.45

6. IPHC SCIENCE AND RESEARCH

6.1 IPHC 5-year Biological & Ecosystem Science Research Plan (2017-21): update

50. The Commission **NOTED** paper [IPHC-2022-AM098-11](#) which provided a description of progress on several key areas from the IPHC 5-year Biological and Ecosystem Science Research Plan (2017-21).
51. The Commission **NOTED** the main objectives of the Biological and Ecosystem Science Research at the IPHC are to:
- 1) identify and assess critical knowledge gaps in the biology of the Pacific halibut;
 - 2) understand the influence of environmental conditions; and
 - 3) apply the resulting knowledge to reduce uncertainty in current stock assessment models.
52. The Commission **NOTED** that the primary biological research activities at the IPHC that follow Commission objectives are identified in the IPHC Five-Year Biological and Ecosystem Science Research Plan (2017-21). The various activities within the plan are proposed, reviewed, and approved internally at the IPHC Secretariat. These activities are summarized in five broad research areas designed to provide inputs into stock assessment and the management strategy evaluation processes, as follows:
- 1) **Migration.** Studies are aimed at further understanding reproductive migration and identification of spawning times and locations as well as larval and juvenile dispersal.
 - 2) **Reproduction.** Studies are aimed at providing information on the seasonal characterization of reproductive development during an annual reproductive cycle to improve current estimates of maturity and provide estimates of fecundity.



- 3) **Growth and Physiological Condition.** Studies are aimed at describing the role of some of the factors responsible for the observed changes in size-at-age and to provide tools for measuring growth and physiological condition in Pacific halibut.
 - 4) **Discard Mortality Rates (DMRs) and Survival.** Studies are aimed at providing updated estimates of DMRs in both the longline and the guided recreational fisheries.
 - 5) **Genetics and Genomics.** Studies are aimed at describing the genetic structure of the Pacific halibut population and at developing and applying genomic tools to inform on movement, distribution and other key population demographic parameters.
53. The Commission **NOTED** the progress that the IPHC Secretariat has made in the five key research areas contemplated in the IPHC 5-Year Biological and Ecosystem Science Research Plan (2017-21) and, in particular, (1) the promising use of genomic approaches to address important questions from stock structure and distribution to the genetic basis of key life-history traits, and (2) the foundational significance of other generated key biological outputs for subsequent research activities that will inform Pacific halibut management.
54. The Commission **NOTED** that the data collected over the duration of the IPHC 5-Year Biological and Ecosystem Science Research Plan (2017-21) and in conjunction with data to be collected under the subsequent plan, would mean that a life history modeler would be a logical need in 2-3 years. The Commission **NOTED** that additional resources could be needed over the next 2-3 years but did not endorse a specific staff position. The Commission **NOTED** that collaboration with a University could be considered.
55. The Commission **NOTED** the indication from the IPHC Secretariat that with the conclusion of the IPHC 5-Year Biological and Ecosystem Science Research Plan (2017-21), the IPHC Secretariat, in consultation with the SRB and external collaborators, have been developing a new plan that aims to fully integrate all the science, research, and monitoring activities of the Commission. See [Section 14.4](#) for a full discussion.

7. MANAGEMENT STRATEGY EVALUATION

7.1 *IPHC Management Strategy Evaluation: update*

56. The Commission **NOTED** paper [IPHC-2022-AM098-12](#) which provides a description of progress on the MSE Program of Work for 2021–2023, including progress on modelling the distribution of recruitment and its effects on estimated movement, simulating implementation uncertainty, methods to investigate size limits, and multi-year assessments.
57. The Commission **NOTED** that the strength of the MSE is to evaluate long-term, strategic outcomes, and that all the management procedures presented (MPs A, A2, D, and J) appear to meet long-term biological sustainability objectives based on the analysis done to date.
58. The Commission **NOTED** that implementation uncertainty, which includes plausible departures from a MP determined TCEY, will be incorporated to evaluate the robustness of MPs relative to objectives.
59. The Commission **RECALLED** objective 2.1, “maintain the coastwide female spawning biomass above a biomass target reference point at least 50% of the time.” To satisfy this objective, a MP will result with a spawning biomass that is less than the spawning biomass target (36% relative spawning biomass) with a probability of 0.5 or less over the long-term.
60. The Commission **NOTED** that using the approximations to simulate length-at-age in the operating model are useful for evaluating the size limit component of a management procedure at AM099 given the current objectives of the Commission.



61. The Commission **RECALLED** SS011-Rec.01 and **REQUESTED** that the current size limit (32 inches), a 26 inch size limit, and no size limit be investigated. to understand the long-term effects of a change in the size limit.
62. The Commission **NOTED** that a multi-year management procedure refers to a process where the stock assessment would occur every two years or longer, as specified, and that the FISS would continue annually as currently defined.
63. The Commission **REQUESTED** that the IPHC Secretariat work with the SRB and others as necessary to identify potential costs and benefits of not conducting an annual stock assessment. This will include a prioritized list of work items that could be accomplished in its place.
64. The Commission **REQUESTED** that multi-year management procedures include the following concepts:
 - a) The stock assessment occurs biennially (and possibly triennial if time in 2022 allows) and no changes would occur to the FISS (i.e. remains annual);
 - b) The TCEY within IPHC Regulatory Areas for non-assessment years:
 - i. remains the same as defined in the previous assessment year, or
 - ii. changes within IPHC Regulatory Areas using simple empirical rules, to be developed by the IPHC Secretariat, that incorporate FISS data.
65. The Commission **ACKNOWLEDGED** that the MSAB have a continuing role in the MSE process and assisting the Commission with harvest policy decisions, in accordance with the IPHC Rules of Procedure.
66. The Commission **NOTED** that a distribution procedure is necessary to evaluate the size limit and multi-year assessment management procedures, and **REQUESTED** that a range of distribution procedures be used to highlight potential differences in the performance of size limits and multi-year assessments.
67. The Commission **NOTED** that an MSAB meeting is planned to occur in October 2022 and that an MSE information session will occur in the spring of 2022.
68. The Commission **REQUESTED** that work continue on methods to evaluate MSE outcomes, including providing new alternative methods to quickly evaluate large sets of management procedures, which may involve ranking them in various ways.
69. The Commission **RECOMMENDED** that an MSE agenda item be added to the upcoming special session to discuss and provide direction on elements of the MSE workplan, including distribution procedures to incorporate in the management procedures being simulated in 2022 and evaluated at the 99th Session of the IPHC Annual Meeting (AM099).

8. PACIFIC HALIBUT FISHERY ECONOMICS – PROJECT REPORT

70. The Commission **NOTED** paper [IPHC-2022-AM098-13 Rev_1](#) which provided a summary of the two-year IPHC economic study, endorsed at FAC095 titled “*Economic study of the Pacific halibut fishery*”, including the economic impact assessment model. With this paper, the economics body of work is concluded.
71. The Commission **NOTED** the final project report provided as paper [IPHC-2022-AM098-INF04 Rev_1](#).
72. The Commission **RECALLED** that:
 - a) in 2020 the Commission embarked on a specific task to provide an economic analysis of the Pacific halibut fishery from hook-to-plate. It was estimated that this task would take about two years;
 - b) since the 97th Session of the IPHC Interim Meeting (IM097) held in November 2021, the Commission considered whether it wished to continue further work in the economic analysis area and has decided that it would rather dedicate its efforts and funds to core areas of responsibility.



73. The Commission **AGREED** that it wished to see the Commission improve its knowledge of key inputs into the Pacific halibut stock assessment and Management Strategy Evaluation (MSE) processes, thereby providing the best possible advice for management decision making processes. Accordingly the Commission **REQUESTED** that no additional economic analyses be undertaken and that the Commission instead dedicate its efforts and funds to core areas of responsibility.
74. The Commission **THANKED** Dr Hutniczak for leading the economic analysis and commented that she did a very good job under challenging circumstances.

9. IPHC FISHERY REGULATIONS: PROPOSALS FOR THE 2021-22 PROCESS

9.1 IPHC Secretariat fishery regulation proposals

9.1.1 IPHC Fishery Regulations: Mortality and Fishery Limits (Sect. 5)

75. The Commission **NOTED** and **ADOPTED** fishery regulation proposal [IPHC-2022-AM098-PropA1 Rev 1](#), which provides the mortality and fishery limits framework for population at AM098 ([Appendix VI](#)).
76. The Commission **ADOPTED** the distributed mortality limits for each Contracting Party, by IPHC Regulatory Area, ([Table 5](#)) and sector, as provided for in [Appendix VI](#). [Canada: In favour=3, Against=0][USA: In favour=3, Against=0]

Table 5. Adopted TCEY mortality limits for 2022

Contracting Party IPHC Regulatory Area	Mortality limit (TCEY) (mlbs)	Mortality limit (TCEY) (metric tonnes)
Canada Total: 2B	7.56	3,429
USA: 2A	1.65	748
USA: 2C	5.91	2,681
USA: 3A	14.55	6,600
USA: 3B	3.90	1,769
USA: 4A	2.10	953
USA: 4B	1.45	658
USA: 4CDE	4.10	1,860
United States of America Total	33.66	15,268
Total (IPHC Convention Area)	41.22	18,697

77. The Commission **NOTED** that the FCEY values resulting from the adopted TCEY mortality limits, listed in [Appendix VI](#), are used by the Contracting Parties to determine fishery sector allocations, recognizing that each Contracting Party may implement more restrictive limits. The detailed projections by sector are provided in [Table 6](#). The U.S. Commissioners **NOTED** that the distribution of the TCEY in U.S. waters considered the biological distribution of the stock in regulatory areas (i.e. O32 Pacific halibut survey distribution), U.S. Treaty obligations, stability, and socioeconomic factors.



Table 6. Detailed 2022 projections, by sector, based on the adopted TCEY mortality limits from [Table 5](#) (IPHC Regulatory Area).

Sector	IPHC Regulatory Area								
	2A	2B	2C	3A	3B	4A	4B	4CDE	Total
Commercial discards	0.07	0.21	NA	NA	0.19	0.07	0.05	0.04	0.62
O26 Non-directed discards	0.09	0.21	0.07	0.72	0.35	0.24	0.12	1.96	3.76
Recreational	NA	0.03	1.09	1.58	0.01	0.01	0.00	0.00	2.71
Subsistence	NA	0.41	0.29	0.18	0.01	0.01	0.00	0.04	0.94
Total non-FCEY	0.16	0.85	1.45	2.48	0.55	0.34	0.17	2.04	8.03
Commercial discards	NA	NA	0.14	0.41	NA	NA	NA	NA	0.54
Recreational	0.60	1.01	0.82	2.11	NA	NA	NA	NA	4.54
Subsistence	0.03	NA	NA	NA	NA	NA	NA	NA	0.03
Commercial landings	0.86	5.70	3.51	9.55	3.35	1.76	1.28	2.06	28.08
Total FCEY	1.49	6.71	4.46	12.07	3.35	1.76	1.28	2.06	33.19
						4C FCEY		0.92	
						4D FCEY		0.92	
						4E FCEY		0.22	
TCEY	1.65	7.56	5.91	14.55	3.90	2.10	1.45	4.10	41.22
U26 Non-directed discards	0.00	0.03	0.00	0.29	0.07	0.08	0.01	0.74	1.23
Total	1.65	7.59	5.91	14.84	3.97	2.18	1.46	4.84	42.45

9.1.2 IPHC Fishery Regulations: Commercial fishing periods (Sect. 9)

78. The Commission **NOTED** fishery regulation proposal [IPHC-2022-AM098-PropA2](#), which specified fishing periods for the commercial Pacific halibut fisheries.

Commercial fishing periods

79. The Commission **ADOPTED** fishing periods for 2022 as provided below, thereby superseding the relevant portions of Section 9 of the IPHC Pacific halibut fishery regulations ([Appendix VII](#)) by specifying that commercial fishing for Pacific halibut in all IPHC Regulatory Areas may begin no earlier than 1200 (noon) local time on 6 March and must cease at 1200 (noon) local time on 7 December, 2022.

9.1.3 IPHC Fishery Regulations: minor amendments

80. The Commission **NOTED** and **ADOPTED** fishery regulation proposal [IPHC-2022-AM098-PropA3](#), which proposed minor amendments to the existing IPHC Fishery Regulations, improving their clarity and consistency ([Appendix VIII](#)).

9.2 Contracting Party fishery regulation proposals

9.2.1 Recreational (sport) fishing for Pacific halibut—IPHC Regulatory areas 2c, 3a, 3b, 4a, 4b, 4c, 4d, 4e (sect. 29) - Recordkeeping for charter Pacific halibut annual limits

81. The Commission **NOTED** and **ADOPTED** fishery regulation proposal [IPHC-2022-AM098-PropB1 Rev 1](#), which proposed establishing recordkeeping requirements needed to enforce Pacific halibut annual limits for recreational (sport) fishing for Pacific halibut in IPHC Regulatory Areas 2C and 3A ([Appendix IX](#)).

9.2.2 IPHC Fishery Regulations: Charter management measures in IPHC Regulatory Areas 2C and 3A (Sect. 29)

82. The Commission **NOTED** and **ADOPTED** fishery regulation proposal [IPHC-2022-AM098-PropB2](#), which proposed IPHC Regulation changes for charter recreational Pacific halibut fisheries in IPHC Regulatory Areas 2C and 3A ([Appendix X](#)), in order to achieve the charter Pacific halibut allocation under the North Pacific Fisheries Management Council’s (NPFMC) Pacific halibut Catch Sharing Plan:



- a) IPHC Regulatory Area 2C – one-fish bag limit with size limit of less than or equal to 40 inches or greater than or equal to 80 inches;
- b) IPHC Regulatory Area 3A – two-fish bag limit with one fish of any size and a second fish less than or equal to 28 inches, Wednesdays and two Tuesdays (26 July and 2 August) closed to retention of Pacific halibut, one trip per vessel and one trip per permit per day. See IPHC-2022-AM098-PropB2 for additional detail.

9.2.3 IPHC Fishery Regulations: Fishing gear (Sect. 18) – Trap gear use in IPHC Regulatory Area 2b

83. The Commission **NOTED** and **ADOPTED** fishery regulation proposal [IPHC-2022-AM098-PropB3](#), which proposed IPHC Regulation changes to allow trap gear use on directed commercial trips in IPHC Regulatory Area 2B ([Appendix XI](#)). The Commission also expressed interest in sharing experience between Contracting Parties on the effectiveness of the use of traps/pots in preventing whale depredation.

9.2.4 IPHC Fishery Regulations: Recreational (sport) fishing for Pacific halibut – IPHC Regulatory Area 2B (Sect. 28) – daily bag limit

84. The Commission **NOTED** and **DEFERRED** fishery regulation proposal [IPHC-2022-AM098-PropB4](#), which proposed allowing a maximum daily bag limit of up to three (3) fish per person in IPHC Regulatory Area 2B. The proposal will be added to the agenda of the 12th Special Session of the IPHC (SS012) that will be held in late February or early March 2022.

9.3 Other Stakeholder fishery regulation proposals

9.3.1 Recreational (Sport) Fishing for Pacific Halibut—IPHC Regulatory Areas 2C, 3A, 3B, 4A, 4B, 4C, 4D, 4E (Sect. 29) - Processing Pacific halibut for eating and/or preservation

85. The Commission **NOTED** and **DEFERRED** fishery regulation proposal [IPHC-2022-AM098-PropC1](#), which proposed an exception that allows recreational fishermen on pleasure craft in Alaska Regulatory Area to process Pacific halibut for eating and/or preservation, subject to measures to facilitate enforcement of the applicable daily bag limits.
86. The Commission **NOTED** the need for additional discussion with enforcement agencies before proposal [IPHC-2022-AM098-PropC1](#) can be revisited. The Commission expressed interest in coordinating an exchange between Contracting Parties on the experience with the enforcements of provisions allowing eating and/or preservation or recreational fishing trips should this proposal be adopted in any IPHC Regulatory Area in the future.

9.4 Stakeholder statements

87. The Commission **NOTED** paper [IPHC-2022-AM098-INF01](#) which provided the Commission with a consolidated document containing submitted ‘*Statements*’ from stakeholders on the range of Regulatory Proposals and other topics submitted to the Commission for its consideration at the 98th Session of the IPHC Annual Meeting (AM098).

10. CONTRACTING PARTY NATIONAL REPORTS

10.1 Canada

88. The Commission **NOTED** the Contracting Party report from Canada (IPHC Regulatory Area 2B; [IPHC-2022-AM098-NR01](#)).



10.2 United States of America

89. The Commission **NOTED** the Contracting Party report from the United States of America IPHC Regulatory Areas 2A/2C/3/4; ([IPHC-2022-AM098-NR02 Rev 1](#)).
90. In response to a request from AM097 (AM097-Req.03, para. 75), the Commission **NOTED** the overview of harvest and removal estimates in the unguided recreational sector in Alaska provided by the Alaska Department of Fish and Game, including information on data acquisition, timelines for data availability, and recent estimates.
91. The Commission **NOTED** the two recent management actions recommended by the North Pacific Fishery Management Council (NPFMC) to reduce Pacific halibut bycatch. In October and December 2021, the NPFMC recommended implementation of the BSAI Pacific cod Trawl Catcher Vessel Cooperative Program and Halibut Abundance Based Management that will reduce Pacific halibut bycatch in trawl fisheries in the BSAI.

11. REPORT OF THE 98TH SESSION OF THE IPHC FINANCE AND ADMINISTRATION COMMITTEE (FAC098)

92. The Commission **NOTED** the Report of the 98th Session of the IPHC Finance and Administration Committee (FAC098) ([IPHC-2022-FAC098-R](#)) which was presented by Dr David T. Wilson (IPHC Executive Director).

11.1 Financial Statements for FY2021

93. The Commission **NOTED** the Financial Statements for FY2021 (financial period: 1 October 2020 to 30 September 2021), as detailed in paper [IPHC-2022-FAC098-04](#).

11.2 Annual independent auditor's report (FY2021)

94. The Commission **ACCEPTED** the independent external auditors report for FY2021 ([IPHC-2022-FAC098-05](#)), as per Regulation 14 of the IPHC Financial Regulations (2021), by consensus.
95. The Commission **ACKNOWLEDGED** the great strides that the IPHC Secretariat has continued to make over the past two years to improve the transparency, accountability, and accessibility of the IPHC accounting systems and practices. The ‘unmodified opinion’ provided by the independent auditors for the past two years is testament to the work done.

11.3 FY2022 Budget – update

96. The Commission **NOTED** the update on the FY2022 budget (financial period: 1 October 2021 to 30 September 2022), and that current expenditure for the first quarter of FY2022 is in-line with the approved budget.
97. The Commission **ADOPTED** the revised FY2022 budget (1 October 2021 to 30 September 2022), as detailed in [Appendix XII](#), noting that the amendments do not change the previously adopted Contracting Party contributions for FY2022, nor the extra-budgetary contributions (Ref: [IPHC-2021-SS011-R](#), paras, 11 and 12). The amendments made were to accommodate the final 2022 FISS design and other amendments to continue the IPHC’s move to Fund accounting, and to better align expected expenses with the new Chart of Accounts adopted in 2021.

11.4 Budget estimates: FY2023 (for approval); FY2024 and FY2025 (for information)

FY2023

98. The Commission **NOTED** the proposed FY2023 budget (financial period: 1 October 2022 to 30 September 2022; [Appendix XIII](#)), presented by the IPHC Secretariat.



99. The Commission **NOTED** the IPHC Secretariat proposed Contracting Party contributions for FY2023 as follows:

- Canada: Contribution to the General Fund: US\$**927,419.21**
- U.S.A.: Contribution to the General Fund: US\$**4,282,492.80**

100. The Commission **NOTED** the required extra-budgetary (IFCP Fund deficit and Headquarters lease/maintenance) contributions from each Contracting Party for FY2022 as follows:

- Canada:
 - 50% Contribution to the IFCP Fund deficit (former staff pension plan): US\$**127,848**
- U.S.A.:
 - 50% Contribution to the IFCP Fund deficit (former staff pension plan): US\$**127,848**
 - Contribution to the headquarters building lease and maintenance costs: US\$**489,250**

101. The Commission **AGREED** that the two Contracting Parties would engage in inter-sessional discussions over the coming month/s to adopt a budget for FY2023 and the associated contributions. In doing so, the Contracting Parties may consult with, and have requested assistance from the IPHC Secretariat who have been tasked with providing options, including likely impacts, of a frozen FY2023 budget:

- a) **Option 1:** Maintain and approve the nominal increase of 3% (US\$151,745) for the FY2023 budget;
- b) **Option 2:** Maintain and approve the nominal increase of 3% (US\$151,745) for the FY2023 budget, however, freeze the contributions to the general fund, while utilizing the current carryover which stands at US\$1,476,626 (for general fund use).
- c) **Option 3:** Freeze the FY2023 budget at FY2021/FY2022 levels, including Contracting Party contributions to the operation funds.

FY2024 and FY2025

102. The Commission **NOTED** the IPHC Secretariat's indicative budgets for FY2024 and FY2025 as provided in [Appendix XIV](#) and [Appendix XV](#), respectively.

11.5 IPHC Financial Regulations (2021)

103. The Commission **NOTED** that the IPHC Secretariat will continue to engage with the independent auditors (Moss Adams LLP) and Accounting Firm (Sommerville and Associates) to draft and propose amendments to the IPHC Financial Regulations (2021) throughout 2022 for consideration by the Commission in 2023. The intention is to further improve the basis of accounting to better align with national standards, Generally Accepted Accounting Principles (GAAP) standards while maintaining regulatory compliance.

11.6 IPHC Rules of Procedure (2022)

104. The Commission **NOTED** the proposed amendments to the PAB terms of reference and rules of procedure will align the PAB with the practices of the Commission and its other subsidiary bodies. The IPHC Secretariat is the Commission's administrative body tasked with the organisational, administrative, communications, and recruitment facilitator roles for its subsidiary bodies, among other roles and responsibilities.

105. The Commission **ADOPTED** the IPHC Rules of Procedure (2022), as provided in [IPHC-2022-FAC098-09](#), and **REQUESTED** that the IPHC Secretariat finalise and publish them accordingly with the following amendments:

- 1) amend para. 1.a of the RAB ToR's to read as follows:



“I.1.a Suggest research topics to be considered for incorporation in the IPHC integrated research and monitoring activities, as well as to comment upon operational and implementation considerations of those research and monitoring activities.”

2) retain para. 14 of the PAB TOR’s:

“14. Conduct of meetings: Parliamentary procedure will be used in the conduct of the PAB”

12. REPORT OF THE 92ND SESSION OF THE IPHC CONFERENCE BOARD (CB092)

106. The Commission **NOTED** the Report of the 92nd Session of the IPHC Conference Board (CB092) ([IPHC-2022-CB092-R](#)) which was presented by the Co-Chairpersons of the CB, Mr Jim Lane (Canada) and Ms Linda Behnken (USA). A total of 60 (66 in 2021) member organisations attended the Session from the two (2) Contracting Parties. The meeting was opened by Mr. Jim Lane (Canada) and Ms Linda Behnken (U.S.A.) (Co-Chairpersons), who welcomed participants.

107. The Commission **CONSIDERED** the recommendations made by the CB092 ([IPHC-2022-CB092-R](#)) and provided comment or endorsement as specified below.

108. The Commission **NOTED** the CB proposed 2022 fishing period (season) dates for the commercial fishery:

- a) Opening: 6 March 2022;
- b) Closing: 7 December 2022.

109. The Commission **NOTED** the CB proposed TCEY catch limits for the 2022 fishing period as provided in [Table 7](#). [*The CB did not agree on a TCEY for IPHC Regulatory Area 2B (ref. para 23 in the CB092 report; [IPHC-2022-CB092-R](#)). The vote on this motion was Canada: In favour=22; against=0; abstain=0; U.S.A.: In favour=2; against=29; abstain=2]

Table 7. Conference Board (CB) recommended TCEY mortality limits for 2022.

IPHC Regulatory Area	Mortality limit (TCEY) (Mlbs)
2A	1.65
2B	*
2C	5.49
3A	14.87
3B	4.06
4A	2.18
4B	1.60
4CDE	3.81
Total (IPHC Convention Area)	41.22

13. REPORT OF THE 27TH SESSION OF THE IPHC PROCESSOR ADVISORY BOARD (PAB027)

110. The Commission **NOTED** the Report of the 27th Session of the IPHC Processor Advisory Board (PAB027) ([IPHC-2022-PAB027-R](#)) which was presented by the Chairperson of the PAB, Ms Jessie Keplinger (USA). A total of 25 eligible members lodged an accreditation/authorisation form for the meeting, however, only 16 were present at the commencement of the Session from the two (2) Contracting Parties, plus two proxies.

111. The Commission **CONSIDERED** the recommendations made by the PAB027 ([IPHC-2022-PAB027-R](#)) and provided comment or endorsement as specified below.



112. The Commission **NOTED** the PAB proposed 2022 fishing period (season) dates for the commercial fishery:

- a) Opening: 8 March 2022 at noon local time;
- b) Closing: 8 November 2022 at noon local time.

113. The Commission **NOTED** the PAB proposed TCEY catch limits for the 2022 fishing period as provided in [Table 8](#).

Table 8. Processor Advisory Board (PAB) recommended TCEY mortality limits for 2022.

IPHC Regulatory Area	Mortality limit (TCEY) (mlbs)
2A	1.65
2B	7.56
2C	5.19
3A	14.37
3B	4.28
4A	2.39
4B	1.80
4CDE	3.98
Total (IPHC Convention Area)	41.22

14. OTHER BUSINESS

14.1 IPHC meetings calendar (2022-24)

114. The Commission **NOTED** the proposed dates and places for the meetings of the Commission and its subsidiary bodies, and that the current COVID-19 pandemic may require the IPHC Secretariat to make additional modifications throughout the year.

115. The Commission **NOTED** and **ACCEPTED** the offer by Canada to host the 99th Session of the IPHC Annual Meeting (AM099) in 2023, in Victoria, B.C. Canada, from 23 to 27 January 2023. Should the COVID-19 pandemic remain an issue at that time, the meeting may be held electronically.

116. The Commission **RECOMMENDED** that the 12th Special Session of the Commission be held electronically in late February or early March 2022 and include the following agenda items: 1) FY2023 budget review and adoption; 2) Management Strategy Evaluation; 3) IPHC Fishery Regulations: Daily bag limit in IPHC Regulatory Area 2B (Sect. 28) ([IPHC-2022-AM098-PropB4](#)).

14.2 Election of a Chairperson and Vice-Chairperson for the next year

117. The Commission **NOTED** that the term of the current Chairperson, Mr Glenn Merrill (U.S.A.), is due to expire at the closing of the current Session, and as per Rule 9 of the IPHC Rules of Procedure (2021) the Commission is required to elect a new Chairperson for the next year.

118. **NOTING** Rule 9 of the IPHC Rules of Procedure (2021), the Commission called for nominations for the newly vacated position of Chairperson of the IPHC for the next year. Mr Paul Ryall (Canada) was nominated, seconded, and elected as Chairperson of the IPHC for the next year.

119. The Commission **NOTED** that the term of the current Vice-Chairperson, Mr Paul Ryall (Canada), is due to expire at the closing of the current Session, and as per Rule 9 of the IPHC Rules of Procedure (2021) the Commission is required to elect a new Vice-Chairperson for the next year.

120. **NOTING** Rule 9 of the Rules of Procedure (2021), the Commission called for nominations for the newly vacated position of Vice-Chairperson of the IPHC for the next year. Mr Glenn Merrill (U.S.A.) was nominated, seconded, and elected as Vice-Chairperson of the IPHC for the next year.



14.3 Length-Weight

121. The Commission **RECOMMENDED** the adoption of the updated length-weight relationship as detailed in paper [IPHC-2022-AM098-INF07](#), and its dissemination to the appropriate domestic management agencies.

14.4 5-year integrated research and monitoring plan

122. The Commission **NOTED** that:

- a) the IPHC Secretariat is in the process of finalizing its 5-year program of integrated research and monitoring, which will commence in 2022;
- b) the IPHC Secretariat conducts activities to address key issues identified by the Commission, its subsidiary bodies, the broader stakeholder community, and the IPHC Secretariat;
- c) the process of identifying, developing, and implementing the IPHC's science-based activities involves several steps that are circular and iterative in nature, but result in clear project activities and associated deliverables;
- d) the process includes developing and proposing projects based on direct input from the Commission, the experience of the IPHC Secretariat given its broad understanding of the resource and its associated fisheries, and concurrent consideration by relevant IPHC subsidiary bodies, and where deemed necessary, including by the Commission, additional external peer review.

123. The Commission **NOTED** that an overarching goal of the *IPHC 5-year program of integrated research and monitoring (2022-26)* will therefore be to promote integration and synergies among the various research and support activities of the IPHC Secretariat in order to improve knowledge of key inputs into the Pacific halibut stock assessment, and Management Strategy Evaluation (MSE) processes, thereby providing the best possible advice for management decision making processes.

124. The Commission **NOTED** the indication from the IPHC Secretariat that:

- a) the draft plan entitled "*IPHC 5-Year program of integrated research and monitoring (2022-26)*" remains in development (Ref. IPHC-2021-IM097-12);
- b) the intention is to ensure the new integrated plan is kept as a 'living plan', that is reviewed and updated annually based on the resources available to undertake the work of the Commission (e.g. internal and external fiscal resources, collaborations, internal expertise);
- c) that the plan focuses on core responsibilities of the Commission; and any redirection provided by the Commission (e.g. [para. 73](#)).

14.5 100 Year Anniversary (2024)

125. The Commission **RECALLED** that the IPHC Convention between Canada and the United States of America has been in effect for 98 years and the collaborative efforts of the two Contracting Parties has had a positive impact on the sustainable management of the resource and the fisheries that rely on it. In doing so, the Commission **NOTED** that the 100th Anniversary will coincide with the 100th Session of the IPHC Annual Meeting (AM100) to be held in January 2024. Over the coming year, the Contracting Parties will collaborate to agree on any additional activities to be associated with the 100-year anniversary.



15. REVIEW OF THE DRAFT AND ADOPTION OF THE REPORT OF THE 98TH SESSION OF THE IPHC ANNUAL MEETING (AM098)

126. The Commission **REQUESTED** that the IPHC Secretariat finalise and publish the IPHC *Pacific Halibut Fishery Regulations (2022)* as soon as possible, **NOTING** that only minor editorial and formatting changes are permitted beyond the decisions made by the Commission at the AM098.
127. The Report of the 98th Session of the IPHC Annual Meeting ([IPHC-2022-AM098-R](#)) was **ADOPTED** via correspondence on 18 February 2022, including the consolidated set of recommendations and requests arising from AM097, provided at [Appendix XVI](#).



APPENDIX I

LIST OF PARTICIPANTS FOR THE 98TH SESSION OF THE IPHC ANNUAL MEETING (AM098)

Commission Officers

Chairperson	Vice-Chairperson
Mr Glenn Merrill (United States of America)	Mr Paul Ryall (Canada)

Commissioners

Canada	United States of America
Mr Paul Ryall	Mr Glenn Merrill
Mr Neil Davis	Mr Robert Alverson
Mr Peter DeGreef	Mr Richard Yamada

Advisors/experts

Mr Justin Turple – Policy/Financial Advisor	Ms Kathryn Blair – Technical Advisor
Ms Amber Lindstedt – Policy Advisor	Mr Doug Duncan – Technical Advisor
Ms Felicia Cull – Policy/Financial Advisor	Dr Pete Hulson – Scientific Advisor
Ms Averil Lamont – Technical Advisor	Mr Kurt Iverson – Technical Advisor
Mr Adam Keizer – Technical Advisor	Dr Kelly Kryc – Policy Advisor
Ms Maureen Finn – Technical Advisor	Mr Joshua Lindsay – Policy Advisor
Ms Ann-Marie Huang – Scientific Advisor	Mr Frank Lockhart – Technical/Policy Advisor
Ms Jennifer Shaw – Scientific Advisor	Dr Carey McGilliard – Scientific Advisor
Ms Heather Olson – Legal Advisor	Ms Alicia M. Miller – Technical Advisor
	Mr David Moore – Financial Advisor
	Mr Demian Schane – Legal Advisor
	Ms Rose Stanley – Legal Advisor

Observers

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Aaron Brooks	Jamestown S'Klallam Tribe	N/A



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APPENDIX II
AGENDA FOR THE 98TH SESSION OF THE IPHC ANNUAL MEETING (AM098)

- 1. OPENING OF THE SESSION** (Chairperson)
 - 2. ADOPTION OF THE AGENDA AND ARRANGEMENTS FOR THE SESSION** (Chairperson & Executive Director)
 - 3. IPHC PROCESS**
 - 3.1 Update on actions arising from the 97th Session of the IPHC Annual Meeting (AM097), 97th Session of the IPHC Interim Meeting (IM097), and 2021 Special Sessions (D. Wilson)
 - 3.2 Report of the IPHC Secretariat (2021) (D. Wilson)
 - 3.3 2nd IPHC Performance Review (PRIPHC02): Implementation of recommendations (D. Wilson)
 - 3.4 Report of the 22nd Session of the IPHC Research Advisory Board (RAB022) (D. Wilson)
 - 3.5 Reports of the IPHC Scientific Review Board (SRB Chairperson)
 - 4. FISHERY DATA OVERVIEW (2021)** (T. Kong, H. Tran & C. Prem)
 - 5. STOCK STATUS OF PACIFIC HALIBUT (2021) & HARVEST DECISION TABLE (2022)**
 - 5.1 IPHC Fishery-Independent Setline Survey (FISS) design and implementation in 2021 (K. Ualesi, D. Wilson, C. Jones & R. Rillera)
 - 5.2 Space-time modelling of survey data (R. Webster)
 - 5.3 2022-24 FISS designs (R. Webster)
 - 5.4 Stock Assessment: Data overview and stock assessment (2021), and harvest decision table (2022) (I. Stewart, A. Hicks, R. Webster, D. Wilson, & B. Hutniczak)
 - 5.5 Pacific halibut mortality projections using the IPHC mortality projection tool (2022) (I. Stewart)
 - 6. IPHC SCIENCE AND RESEARCH**
 - 6.1 IPHC 5-year Biological and Ecosystem Science Research Plan (2017-21): update (J. Planas)
 - 7. MANAGEMENT STRATEGY EVALUATION**
 - 7.1 IPHC Management Strategy Evaluation: update (A. Hicks)
 - 8. PACIFIC HALIBUT FISHERY ECONOMICS – PROJECT REPORT**
 - 8.1 Pacific Halibut Multiregional Economic Impact Assessment (PHMEIA) (B. Hutniczak)
 - 9. IPHC FISHERY REGULATIONS: PROPOSALS FOR THE 2021-22 PROCESS**
 - 9.1 IPHC Secretariat fishery regulation proposals (B. Hutniczak)
 - 9.2 Contracting Party fishery regulation proposals (Contracting Parties)
 - 9.3 Stakeholder fishery regulation proposals (Stakeholders)
 - 9.4 Stakeholder statements (B. Hutniczak)
 - 10. CONTRACTING PARTY NATIONAL REPORTS**
 - 10.1 Canada (TBA)
 - 10.2 United States of America (TBA)
 - 11. REPORT OF THE 98th SESSION OF THE IPHC FINANCE AND ADMINISTRATION COMMITTEE (FAC098)** (D. Wilson)
 - 12. REPORT OF THE 92nd SESSION OF THE IPHC CONFERENCE BOARD (CB092)** (CB Co-Chairpersons)
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- 13. REPORT OF THE 27th SESSION OF THE IPHC PROCESSOR ADVISORY BOARD (PAB027)** (PAB Chairperson)
- 14. OTHER BUSINESS**
 - 14.1 IPHC meetings calendar (2022-24) (D. Wilson)
 - 14.2 Election of Chairperson and Vice-Chairperson for the next year (D. Wilson)
- 15. REVIEW OF THE DRAFT AND ADOPTION OF THE REPORT OF THE 98th SESSION OF THE IPHC ANNUAL MEETING (AM098)** (Chairperson)



APPENDIX III
LIST OF DOCUMENTS FOR THE 98TH SESSION OF THE IPHC ANNUAL MEETING (AM098)

Meeting documents	Title	Availability
IPHC-2022-AM098-01	Agenda & Schedule for the 98 th Session of the IPHC Annual Meeting (AM098)	✓ 16 Nov 2021 ✓ 23 Dec 2021 ✓ 13 Jan 2022
IPHC-2022-AM098-02	List of Documents for the 98 th Session of the IPHC Annual Meeting (AM098)	✓ 16 Nov 2021 ✓ 24 Dec 2021 ✓ 21 Jan 2022
IPHC-2022-AM098-03	Update on actions arising from the 97 th Session of the IPHC Annual Meeting (AM097), 2021 Special Sessions and the 97 th Session of the IPHC Interim Meeting (IM097) (D. Wilson)	✓ 10 Dec 2021
IPHC-2022-AM098-04	Report of the IPHC Secretariat (2021) (D. Wilson)	✓ 13 Dec 2021
IPHC-2022-AM098-05	Implementation of the Recommendations from the 2 nd IPHC Performance Review (PRIPHC02) (D. Wilson)	✓ 10 Dec 2021
IPHC-2022-AM098-06 Rev_1	Fishery data overview (2021) (T. Kong, H. Tran, & C. Prem)	✓ 17 Dec 2021 ✓ 13 Jan 2022
IPHC-2022-AM098-07	IPHC Fishery-independent setline survey (FISS) design and implementation in 2021 (K. Ualesi, D. Wilson, C. Jones, R. Rillera, & T. Jack)	✓ 10 Dec 2021
IPHC-2022-AM098-08	Space-time modelling of survey data (R. Webster)	✓ 10 Dec 2021
IPHC-2022-AM098-09	2022-24 FISS Designs (R. Webster)	✓ 10 Dec 2021
IPHC-2022-AM098-10	Summary of the data, stock assessment, and harvest decision table for Pacific halibut (<i>Hippoglossus stenolepis</i>) at the end of 2021 (I. Stewart, A. Hicks, R. Webster, D. Wilson, & B. Hutniczak)	✓ 20 Dec 2021
IPHC-2022-AM098-11	IPHC 5-year Biological and Ecosystem Science Research Plan (2017-21): Update (J. Planas)	✓ 10 Dec 2021
IPHC-2022-AM098-12	Update on the IPHC Secretariat MSE Program of Work (2021-23) (A. Hicks & I. Stewart)	✓ 10 Dec 2021
IPHC-2022-AM098-13 Rev_1	PHMEIA Update (Pacific Halibut Multiregional Economic Impact Assessment (PHMEIA): summary of progress) (B. Hutniczak)	✓ 23 Dec 2021 ✓ 20 Jan 2022
IPHC-2022-AM098-14	IPHC Fishery Regulations: Proposals for the 2021-22 process (B. Hutniczak & D. Wilson)	✓ 24 Dec 2021



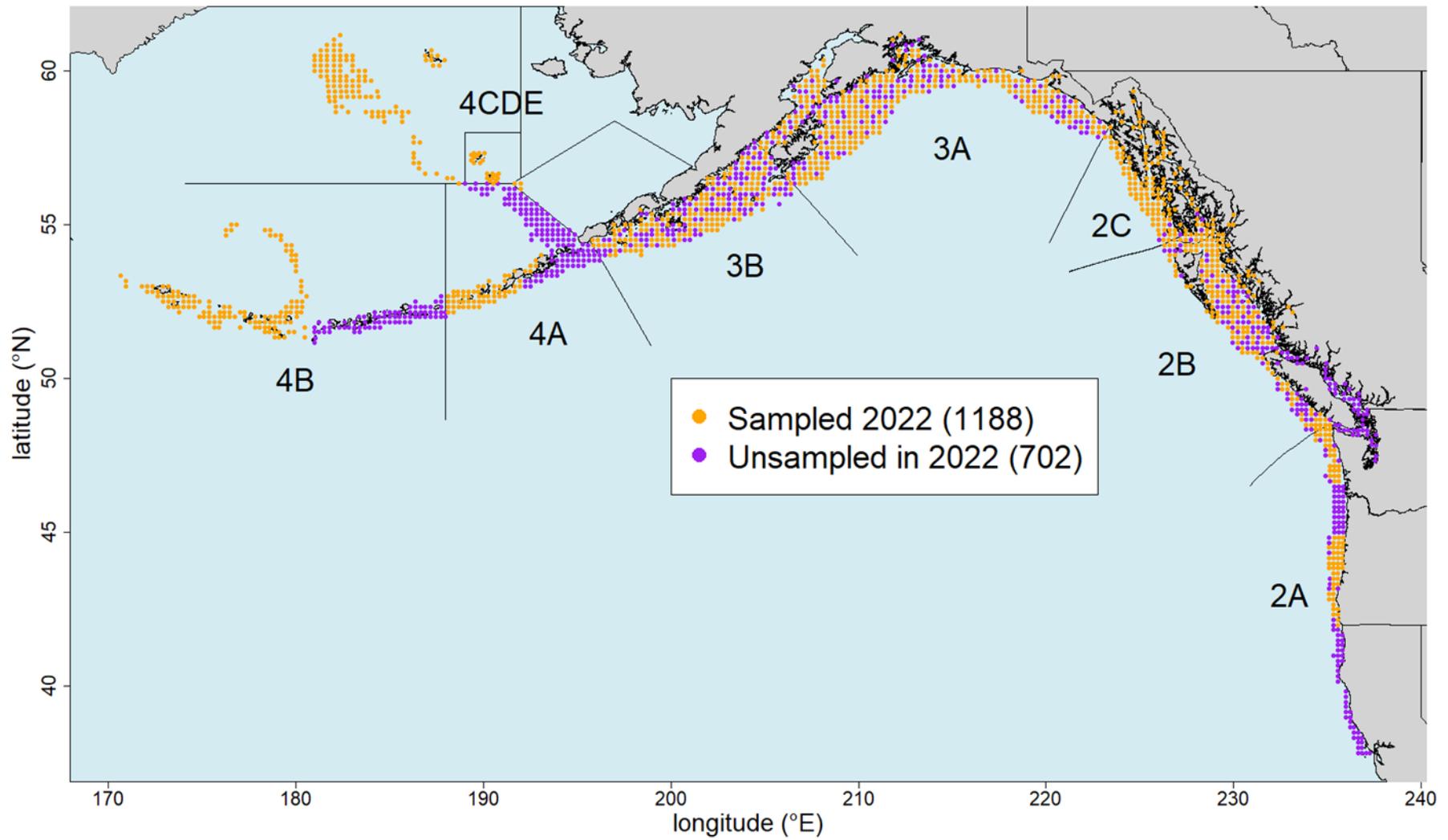
IPHC-2022-AM098-15	IPHC 3-year meetings calendar (2022-24) (IPHC Secretariat)	✓ 13 Dec 2021
<i>Contracting Party National Reports</i>		
IPHC-2022-AM098-NR01	Canada: Fisheries and Oceans Canada (DFO)	✓ 24 Dec 2021
IPHC-2022-AM098-NR02 Rev_1	United States of America: NOAA – National Marine Fisheries Service (NMFS); North Pacific Fishery Management Council (NPFMC); Pacific Fishery Management Council (PFMC)	✓ 23 Dec 2021 ✓ 13 Jan 2022
<i>IPHC Fishery Regulation proposals for 2022</i>		
<i>IPHC Secretariat Fishery Regulation proposals for 2022</i>		
IPHC-2022-AM098-PropA1 Rev_1	Mortality and Fishery Limits (Sect. 5) (IPHC Secretariat)	✓ 8 Dec 2021 ✓ 27 Jan 2022
IPHC-2022-AM098-PropA2	Commercial Fishing Periods (Sect. 9) (IPHC Secretariat)	✓ 8 Dec 2021
IPHC-2022-AM098-PropA3	IPHC Fishery Regulations: minor amendments (IPHC Secretariat)	✓ 8 Dec 2021
<i>Contracting Party Fishery Regulation proposals for 2022</i>		
IPHC-2022-AM098-PropB1 Rev_1	Recreational (sport) fishing for Pacific halibut—IPHC Regulatory Areas 2c, 3a, 3b, 4a, 4b, 4c, 4d, 4e (Sect. 29) - <i>Recordkeeping for charter Pacific halibut annual limits</i> (USA: NOAA-Fisheries)	✓ 21 Oct 2021 ✓ 22 Dec 2021
IPHC-2022-AM098-PropB2	Recreational (sport) fishing for Pacific halibut—IPHC Regulatory Areas 2c, 3a, 3b, 4a, 4b, 4c, 4d, 4e (Sect. 29) - <i>Charter Management Measures in IPHC Regulatory Areas 2C and 3A</i> (USA: NOAA-Fisheries)	✓ 21 Dec 2021
IPHC-2022-AM098-PropB3	Fishing gear (Sect. 18) – <i>Trap gear use in IPHC Regulatory Area 2B</i> (Canada: DFO)	✓ 24 Dec 2021
IPHC-2022-AM098-PropB4	Recreational (sport) fishing for Pacific halibut—IPHC Regulatory Area 2B (Sect. 28) – <i>Daily bag limit</i> (Canada: DFO)	✓ 24 Dec 2021
<i>Other Stakeholder Fishery Regulation proposals for 2022</i>		
IPHC-2022-AM098-PropC1	Recreational (Sport) Fishing for Pacific Halibut—IPHC Regulatory Areas 2C, 3A, 3B, 4A, 4B, 4C, 4D, 4E (Sect. 29) - Processing Pacific halibut for eating and/or preservation (J. Fields)	✓ 20 Dec 2021
<i>Information papers</i>		
IPHC-2022-AM098-INF01	Stakeholder Statements on IPHC Fishery Regulation proposals (B. Hutniczak)	✓ 10 Dec 2021



IPHC-2022-AM098-INF02	The IPHC mortality projection tool for 2022 mortality limits (I. Stewart)	✓ 8 Dec 2021
IPHC-2022-AM098-INF03	Pacific Fishery Management Council correspondence regarding recommendations for 2022 Pacific halibut regulations applicable to the IPHC Regulatory Area 2A (IPHC Secretariat, (PFMC))	✓ 9 Dec 2021
IPHC-2022-AM098-INF04 Rev_1	Pacific Halibut Multiregional Economic Impact Assessment (PHMEIA): Final Report (B. Hutniczak)	✓ 23 Dec 2021 ✓ 20 Jan 2022
IPHC-2022-AM098-INF05 Rev_1	Pacific halibut market profile (B. Hutniczak)	✓ 24 Dec 2021 ✓ 13 Jan 2022
IPHC-2022-AM098-INF06	The IPHC Space-Time Explorer tool (R.A. Webster)	✓ 17 Dec 2021
IPHC-2022-AM098-INF07	Revision of the IPHC length-weight relationship (R. Webster & I. Stewart)	✓ 23 Jan 2021
<i>Reports from IPHC subsidiary bodies (2021-22)</i>		
IPHC-2021-SRB018-R	Report of the 18 th Session of the IPHC Scientific Review Board (SRB018)	✓ 17 Jun 2021
IPHC-2021-SRB019-R	Report of the 19 th Session of the IPHC Scientific Review Board (SRB019)	✓ 23 Sept 2021
IPHC-2021-RAB022-R	Report of the 22 nd Session of the IPHC Research Advisory Board (RAB022)	✓ 29 Nov 2021
IPHC-2021-IM097-R	Report of the 97 th Session of the IPHC Interim Meeting (IM097)	✓ 8 Dec 2021
IPHC-2022-FAC098-R	Report of the 98 th Session of the IPHC Finance and Administration Committee (FAC098)	✓ 25 Jan 2021
IPHC-2022-PAB027-R	Report of the 27 th Session of the IPHC Processor Advisory Board (PAB027)	✓ 27 Jan 2021
IPHC-2022-CB092-R	Report of the 92 nd Session of the IPHC Conference Board (CB092)	✓ 27 Jan 2021

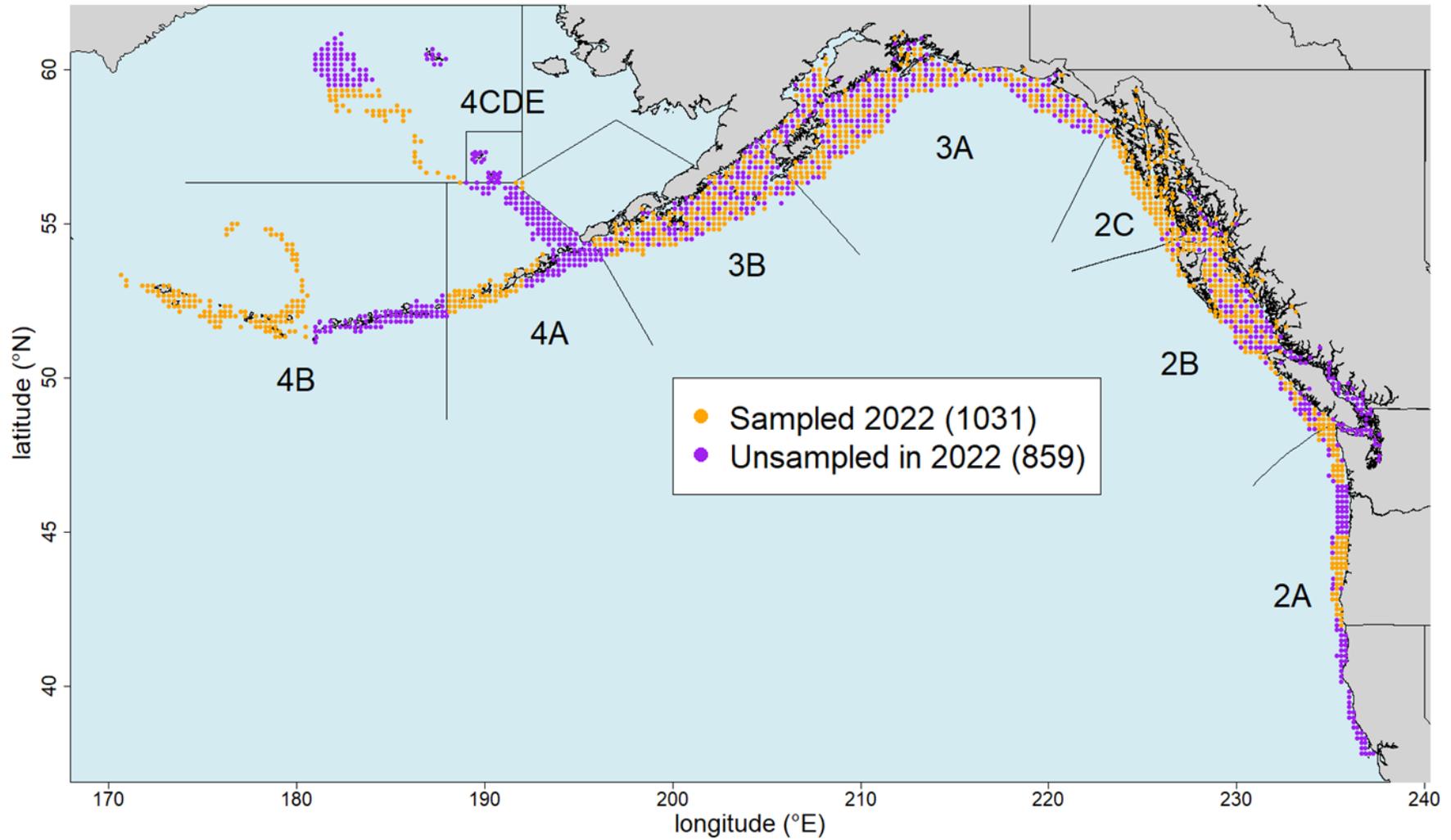


APPENDIX IVA
ENDORSED OPTIMIZED FISS DESIGN FOR 2022



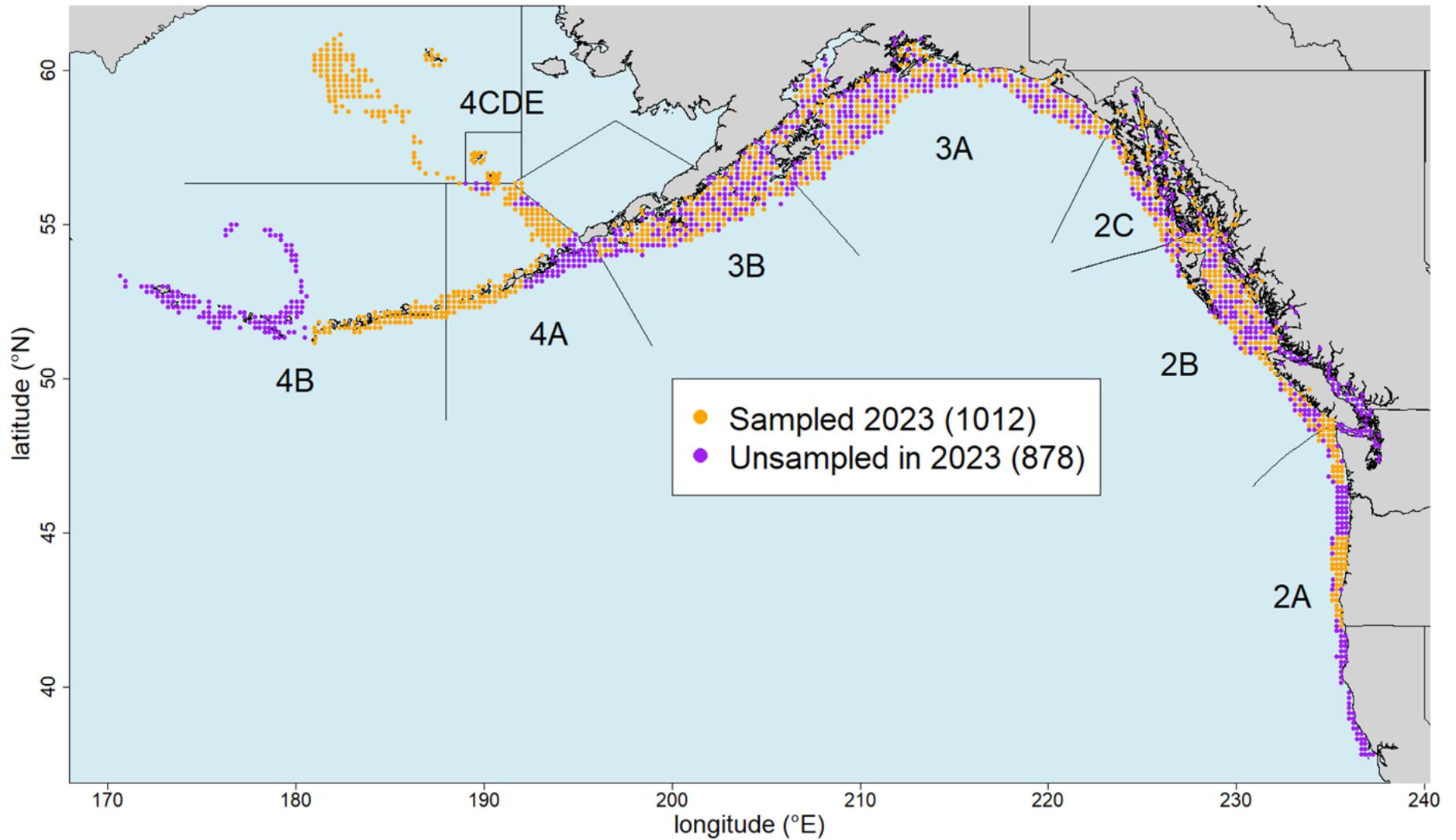


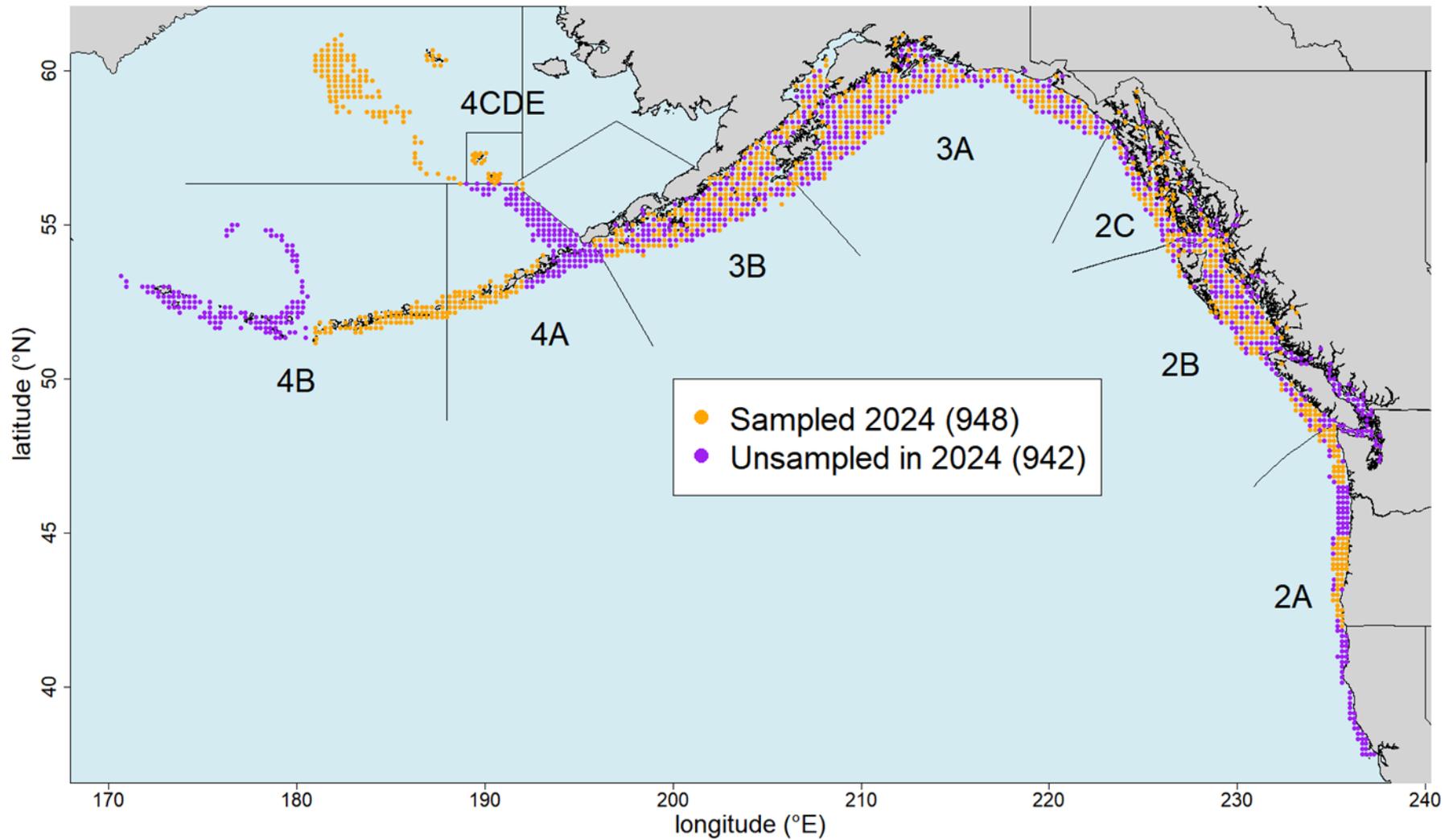
APPENDIX IVB
ALTERNATIVE : ENDORSED OPTIMIZED FISS DESIGN FOR 2022





APPENDIX V
PROPOSED MINIMUM FISS DESIGN FOR 2023 AND 2024







APPENDIX VI
IPHC FISHERY REGULATIONS: MORTALITY AND FISHERY LIMITS (SECT. 5)

IPHC-2022-AM098-PropA1 Rev_1

5. Mortality and Fishery Limits

(1) The Commission has adopted the following distributed mortality (TCEY) values:

IPHC Regulatory Area	<i>Distributed mortality limits (TCEY) (net weight)</i>	
	Tonnes (t)	Million Pounds (Mlb)
Area 2A (California, Oregon, and Washington)		
Area 2B (British Columbia)		
Area 2C (southeastern Alaska)		
Area 3A (central Gulf of Alaska)		
Area 3B (western Gulf of Alaska)		
Area 4A (eastern Aleutians)		
Area 4B (central/western Aleutians)		
Areas 4CDE (Bering Sea)		
Total		

(2) The fishery limits resulting from the IPHC-adopted distributed mortality (TCEY) limits and the existing Contracting Party catch sharing arrangements are as follows, recognising that each Contracting Party may implement more restrictive limits:

IPHC Regulatory Area	<i>Fishery limits (net weight)</i>	
	Tonnes (t)	Million Pounds (Mlb)
Area 2A (California, Oregon, and Washington)		
Non-tribal directed commercial (south of Pt. Chehalis)		
Non-tribal incidental catch in salmon troll fishery		
Non-tribal incidental catch in sablefish fishery (north of Pt. Chehalis)		
Treaty Indian commercial		
Treaty Indian ceremonial and subsistence (year-round)		
Recreational – Washington		
Recreational – Oregon		
Recreational – California		
Area 2B (British Columbia) (combined commercial/recreational)		
Commercial fishery		
Recreational fishery		



Area 2C (southeastern Alaska) (combined commercial/guided recreational)		
Commercial fishery (catch)	-	-
Commercial fishery (includes X.XX Mlb catch -landings and-XX Mlb incidental -discard mortality)		
Guided recreational fishery (includes catch -landings and- incidental discard mortality)		
Area 3A (central Gulf of Alaska) (combined commercial/guided recreational)		
Commercial fishery (incidental mortality)	-	-
Commercial fishery (includes X.XX Mlb catch -landings and-XX Mlb incidental -discard mortality)		
Guided recreational fishery (includes catch -landings and- incidental discard mortality)		
Area 3B (western Gulf of Alaska)		
Area 4A (eastern Aleutians)		
Area 4B (central/western Aleutians)		
Areas 4CDE (Bering Sea)		
Area 4C (Pribilof Islands)		
Area 4D (northwestern Bering Sea)		
Area 4E (Bering Sea flats)		
Total		

* Allocations resulting from the IPHC Regulatory Area 2A Catch Share Plan are listed in *pounds*.



APPENDIX VII
COMMERCIAL FISHING PERIODS (SECT. 9)

IPHC-2022-AM098-PropA2

9. Commercial Fishing Periods

- (1) The fishing periods for each IPHC Regulatory Area apply where the fishery limits specified in section 5 have not been taken.
- (2) Unless the Commission specifies otherwise, commercial fishing for Pacific halibut in all IPHC Regulatory Areas may begin no earlier in the year than 1200 local time on **6 March**.
- (3) All commercial fishing for Pacific halibut in all IPHC Regulatory Areas shall cease for the year at 1200 local time on **7 December**.
- (4) The first fishing period in the IPHC Regulatory Area 2A non-tribal directed commercial fishery² shall begin at 0800 on the fourth Tuesday in June and terminate at 1800 local time on the subsequent Thursday, unless the Commission specifies otherwise. If the Commission determines that the fishery limit specified for IPHC Regulatory Area 2A in Section 5 has not been exceeded, it may announce a second fishing period of up to three fishing days to begin on Tuesday two weeks after the first period, and, if necessary, a third fishing period of up to three fishing days to begin on Tuesday four weeks after the first period.
- (5) Notwithstanding paragraph (4), and paragraph (6) of section 12, an incidental catch fishery³ is authorized during the sablefish seasons in IPHC Regulatory Area 2A in accordance with regulations promulgated by NOAA Fisheries. This fishery will occur between the dates and times listed in paragraphs (2) and (3) of this section.
- (6) Notwithstanding paragraph (4), and paragraph (6) of section 12, an incidental catch fishery is authorized during salmon troll seasons in IPHC Regulatory Area 2A in accordance with regulations promulgated by NOAA Fisheries. This fishery will occur between the dates and times listed in paragraphs (2) and (3) of this section.

² The non-tribal directed fishery is restricted to waters that are south of Point Chehalis, Washington, (46°53.30' N. latitude) under regulations promulgated by NOAA Fisheries and published in the Federal Register.

³ The incidental fishery during the directed, fixed gear sablefish season is restricted to waters that are north of Point Chehalis, Washington, (46°53.30' N. latitude) under regulations promulgated by NOAA Fisheries at 50 CFR 300.63. Landing restrictions for Pacific halibut retention in the fixed gear sablefish fishery can be found at 50 CFR 660.231.



APPENDIX VIII
MINOR AMENDMENTS (VARIOUS SECTIONS)

IPHC-2022-AM098-PropA3

1. Section 3, Definitions, (1)(b) would include “an authorized representative of the Commission.”

3. Definitions

- (1) In these Regulations, [...]

(b) “authorized clearance personnel” means an authorized officer of the United States of America, an authorized representative of the Commission, or a designated fish processor;

1. Section 3, Definitions would include the following definition of an authorized representative of the Commission: “any IPHC employee or contractor authorized to perform any task described in these Regulations.”

3. Definitions

- (1) In these Regulations, [...]

(c) “authorized representative of the Commission” means any IPHC employee or contractor authorized to perform any task described in these Regulations.

2. Section 8, Retention of Tagged Pacific Halibut, (1)(a) and (1)(b) would include “an authorized representative of the Commission.”

8. Retention of Tagged Pacific Halibut

- (1) Nothing contained in these Regulations prohibits any vessel at any time from retaining and landing a Pacific halibut that bears a Commission external tag at the time of capture, if the Pacific halibut with the tag still attached is reported at the time of landing and made available for examination by an authorized representative of the Commission or by an authorized officer.
- (2) After examination and removal of the tag by an authorized representative of the Commission or an authorized officer, the Pacific halibut:
 - (a) may be retained for personal use; or
 - (b) may be sold only if the Pacific halibut is caught during commercial Pacific halibut fishing and complies with the other commercial fishing provisions of these Regulations.

3. Section 11, Closed Periods, (6) and (7) would include “an authorized representative of the Commission.”

11. Closed Periods

- (6) A vessel that has no Pacific halibut on board may retrieve any Pacific halibut fishing gear during the closed period after the operator notifies an authorized officer or an authorized representative of the Commission prior to that retrieval.
- (6) A vessel that has no Pacific halibut on board may retrieve any Pacific halibut fishing gear during the closed period after the operator notifies an authorized officer or an authorized representative of the Commission prior to that retrieval.

4. Section 16, Vessel Clearance in IPHC Regulatory Area 4, (3)-(5) and (7)-(10) would use “the authorized clearance personnel.”



16. Vessel Clearance in IPHC Regulatory Area 4

- (3) The vessel clearance required under paragraph (1) prior to fishing in IPHC Regulatory Area 4A may be obtained only at Nazan Bay on Atka Island, Dutch Harbor, or Akutan, Alaska, from **the authorized clearance personnel**.
- (4) The vessel clearance required under paragraph (1) prior to fishing in IPHC Regulatory Area 4B may only be obtained at Nazan Bay on Atka Island or Adak, Alaska, from **the authorized clearance personnel**.
- (5) The vessel clearance required under paragraph (1) prior to fishing in IPHC Regulatory Area 4C or 4D may be obtained only at St. Paul or St. George, Alaska, from **the authorized clearance personnel** by VHF radio and allowing the person contacted to confirm visually the identity of the vessel.

[...]

- (7) Before unloading any Pacific halibut caught in IPHC Regulatory Area 4A, a vessel operator may obtain the clearance required under paragraph (1) only in Dutch Harbor or Akutan, Alaska, by contacting **the authorized clearance personnel**.
- (8) Before unloading any Pacific halibut caught in IPHC Regulatory Area 4B, a vessel operator may obtain the clearance required under paragraph (1) only in Nazan Bay on Atka Island or Adak, by contacting **the authorized clearance personnel** by VHF radio or in person.
- (9) Before unloading any Pacific halibut caught in IPHC Regulatory Areas 4C and 4D, a vessel operator may obtain the clearance required under paragraph (1) only in St. Paul, St. George, Dutch Harbor, or Akutan, Alaska, either in person or by contacting **the authorized clearance personnel**. The clearances obtained in St. Paul or St. George, Alaska, can be obtained by VHF radio and allowing the person contacted to confirm visually the identity of the vessel.
- (10) Any vessel operator who complies with the requirements in Section 17 for possessing Pacific halibut on board a vessel that was caught in more than one regulatory area in IPHC Regulatory Area 4 is exempt from the clearance requirements of paragraph (1) of this Section, provided that:
 - (a) the operator of the vessel obtains a vessel clearance prior to fishing in IPHC Regulatory Area 4 in either Dutch Harbor, Akutan, St. Paul, St. George, Adak, or Nazan Bay on Atka Island by contacting **the authorized clearance personnel**. The clearance obtained in St. Paul, St. George, Adak, or Nazan Bay on Atka Island can be obtained by VHF radio and allowing the person contacted to confirm visually the identity of the vessel. This clearance will list the areas in which the vessel will fish; and
 - (b) before unloading any Pacific halibut from IPHC Regulatory Area 4, the vessel operator obtains a vessel clearance from Dutch Harbor, Akutan, St. Paul, St. George, Adak, or Nazan Bay on Atka Island by contacting **the authorized clearance personnel**. The clearance obtained in St. Paul or St. George can be obtained by VHF radio and allowing the person contacted to confirm visually the identity of the vessel. The clearance obtained in Adak or Nazan Bay on Atka Island can be obtained by VHF radio.

5. Minor edits throughout for stylistic consistency among Sections.



APPENDIX IX

RECREATIONAL (SPORT) FISHING FOR PACIFIC HALIBUT—IPHC REGULATORY AREAS
2C, 3A, 3B, 4A, 4B, 4C, 4D, 4E (SECT. 29) - RECORDKEEPING FOR CHARTER PACIFIC
HALIBUT ANNUAL LIMITS

IPHC-2022-AM098-PropB1 Rev_1

29. Sport Fishing for Pacific Halibut—IPHC Regulatory Areas 2C, 3A, 3B, 4A, 4B, 4C, 4D, 4E

- (1) In Convention waters in and off Alaska: ^{8,9}
- (a) The recreational (sport) fishing season is from 1 February to 31 December.
 - (b) The daily bag limit is two Pacific halibut of any size per day per person unless a more restrictive bag limit applies in Commission regulations or Federal regulations at 50 CFR 300.65.
 - (c) No person may possess more than two daily bag limits.
 - (d) No person shall possess on board a vessel, including charter vessels and pleasure craft used for fishing, Pacific halibut that have been filleted, mutilated, or otherwise disfigured in any manner, except that each Pacific halibut may be cut into no more than 2 ventral pieces, 2 dorsal pieces, and 2 cheek pieces, with a patch of skin on each piece, naturally attached;
 - (e) Pacific halibut in excess of the possession limit in paragraph (1)(c) of this section may be possessed on a vessel that does not contain recreational (sport) fishing gear, fishing rods, hand lines, or gaffs.
 - (f) Pacific halibut harvested on a charter vessel fishing trip in IPHC Regulatory Areas 2C or 3A must be retained on board the charter vessel on which the Pacific halibut was caught until the end of the charter vessel fishing trip as defined at 50 CFR 300.61.
 - (g) Guided angler fish (GAF), as described at 50 CFR 300.65, may be used to allow a charter vessel angler to harvest additional Pacific halibut up to the limits in place for unguided anglers, and are exempt from the requirements in paragraphs (2) and (3) of this section; **and**
 - (h) **if there is an annual limit on the number of Pacific halibut that may be retained by a charter vessel angler as defined at 50 CFR 300.61, for purposes of enforcing the annual limit, each charter vessel angler must:**
 - (1) **maintain a nontransferable harvest record in the angler's possession if retaining a Pacific halibut for which an annual limit has been established. Such harvest record must be maintained either on the angler's State of Alaska recreational (sport) fishing license, an ADF&G approved electronic harvest record, or on a Sport Fishing Harvest Record Card obtained, without charge, from ADF&G offices, the ADF&G website, or fishing license vendors;**
 - (2) **immediately upon retaining a Pacific halibut for which an annual limit has been established, permanently and legibly record the date, location (IPHC Regulatory Area), and species of the catch (Pacific halibut) on the harvest record;**
 - (3) **record the information required by paragraph 1(h)(2) on any duplicate or additional recreational (sport) fishing license issued to the angler, duplicate electronic harvest record, or any duplicate or additional Sport Fishing Harvest Record Card obtained by the angler for all Pacific halibut previously retained during that year that were subject to the harvest record reporting requirements of this section.**

⁸ NOAA Fisheries could implement more restrictive regulations for the recreational (sport) fishery or components of it, therefore, anglers are advised to check the current Federal or State regulations prior to fishing.

⁹ Charter vessels are prohibited from harvesting Pacific halibut in IPHC Regulatory Areas 2C and 3A during one charter vessel fishing trip under regulations promulgated by NOAA Fisheries at 50 CFR 300.66.



APPENDIX X

RECREATIONAL (SPORT) FISHING FOR PACIFIC HALIBUT—IPHC REGULATORY AREAS
2C, 3A, 3B, 4A, 4B, 4C, 4D, 4E (SECT. 29) - CHARTER MANAGEMENT MEASURES IN IPHC
REGULATORY AREAS 2C AND 3A

IPHC-2022-AM098-PropB2

29. Sport Fishing for Pacific Halibut—IPHC Regulatory Areas 2C, 3A, 3B, 4A, 4B, 4C, 4D, 4E

- (1) ...
- (2) For guided recreational (sport) fishing (as referred to in 50 CFR 300.65) in IPHC Regulatory Area 2C:
 - (a) ~~No~~no person on board a charter vessel (as referred to in 50 CFR 300.65) shall catch and retain more than one Pacific halibut per calendar day;
 - (b) ~~No~~no person on board a charter vessel (as referred to in 50 CFR 300.65) shall catch and retain any Pacific halibut that with head on is greater than ~~50 inches (127.0)~~ **40 inches (101.6 cm)** [to be adjusted according to Table 6 in the ADF&G analysis of proposed harvest regulations for 2022 to bring the projected harvest within the Area 2C allocation] and less than ~~72 inches (182.9)~~ **80 inches (203.2 cm)** [to be adjusted according to Table 6 in the ADF&G analysis of proposed harvest regulations for 2022 to bring the projected harvest within the Area 2C allocation] as measured in a straight line, passing over the pectoral fin from the tip of the lower jaw with mouth closed, to the extreme end of the middle of the tail;
 - (c) ~~no~~ person on board a charter vessel may catch and retain Pacific halibut on the following Mondays: [to be implemented and adjusted according to Table 9 in the ADF&G analysis of proposed harvest regulations for 2022 if required to bring the projected harvest within the Area 2C allocation]; and
 - (d) ~~charter vessel anglers may catch and retain no more than four (4)~~ [to be implemented and adjusted according to Table 13 in the ADF&G analysis of proposed harvest regulations for 2022 if required to bring the projected harvest within the Area 2C allocation] Pacific halibut per calendar year on board charter vessels in IPHC Regulatory Area 2C. Pacific halibut that are retained as GAF while on a charter vessel fishing trip in other Commission regulatory areas, or retained while fishing without the services of a guide do not accrue toward the 4-fish annual limit.¹
- (3) For guided recreational (sport) fishing (as referred to in 50 CFR 300.65) in IPHC Regulatory Area 3A:
 - (a) ~~No~~no person on board a charter vessel (as referred to in 50 CFR 300.65) shall catch and retain more than two Pacific halibut per calendar day;
 - (b) ~~At~~at least one of the retained Pacific halibut must have a head-on length of no more than ~~32 inches (81.3 cm)~~ **28 inches (71.1 cm)** as measured in a straight line, passing over the pectoral fin from the tip of the lower jaw with mouth closed, to the extreme end of the middle of the tail. If a person recreational (sport) fishing on a charter vessel in IPHC Regulatory Area 3A retains only one Pacific halibut in a calendar day, that Pacific halibut may be of any length;
 - (c) ~~A~~a “charter halibut permit” (as referred to in 50 CFR 300.67) may only be used for one charter vessel fishing trip in which Pacific halibut are caught and retained per calendar day. A charter vessel fishing trip is defined at 50 CFR 300.61 as the time period between the first deployment of fishing gear into the water by a charter vessel angler (as defined at 50 CFR 300.61) and the offloading of one or more charter vessel anglers or any Pacific halibut from that vessel. For purposes of this trip limit, a charter vessel fishing trip ends at 2359 (Alaska

¹ Required recordkeeping provisions are addressed in IPHC-2022-AM098-PropB1 Rev. 1. If adopted, 29(2)(d) will not be needed.



local time) on the same calendar day that the fishing trip began, or when any anglers or Pacific halibut are offloaded, whichever comes first;

- (d) ~~A~~ charter vessel on which one or more anglers catch and retain Pacific halibut may only make one charter vessel fishing trip per calendar day. A charter vessel fishing trip is defined at 50 CFR 300.61 as the time period between the first deployment of fishing gear into the water by a charter vessel angler (as defined at 50 CFR 300.61) and the offloading of one or more charter vessel anglers or any Pacific halibut from that vessel. For purposes of this trip limit, a charter vessel fishing trip ends at 2359 (Alaska local time) on the same calendar day that the fishing trip began, or when any anglers or Pacific halibut are offloaded, whichever comes first; and
- (e) ~~No~~no person on board a charter vessel may catch and retain Pacific halibut on any Wednesday, or on the following Tuesdays: [to be adjusted according to Table 17 in the ADFG analysis of proposed harvest regulations for 2022 to bring the projected harvest within the Area 3A allocation].



APPENDIX XI
FISHING GEAR (SECT. 18) – TRAP GEAR USE IN IPHC REGULATORY AREA 2B

IPHC-2022-AM098-PropB3

18. Fishing Gear

- (1) No person shall fish for Pacific halibut using any gear other than hook and line gear,
- ~~(a) except that vessels licensed to catch sablefish in IPHC Regulatory Area 2B using sablefish trap gear as defined in the Condition of Licence can retain Pacific halibut caught as bycatch under regulations promulgated by DFO; or~~
 - (a) except that a person may retain Pacific halibut taken with longline or single trap gear if such retention is authorized by DFO as defined by Pacific Fishery Regulations and Conditions of Licence.**
 - (b) except that a person may retain Pacific halibut taken with longline or single pot gear if such retention is authorized by NOAA Fisheries regulations published at 50 CFR Part 679.
- (2) No person shall possess Pacific halibut taken with any gear other than hook and line gear,
- ~~(a) except that vessels licensed to catch sablefish in IPHC Regulatory Area 2B using sablefish trap gear as defined by the Condition of Licence can retain Pacific halibut caught as bycatch under regulations promulgated by DFO; or~~
 - (a) except that a person may possess Pacific halibut taken with longline or single trap gear if such retention is authorized by DFO as defined by Pacific Fishery Regulations and Conditions of Licence.**
 - (b) except that a person may possess Pacific halibut taken with longline or single pot gear if such possession is authorized by NOAA Fisheries regulations published at 50 CFR Part 679.

[...]



APPENDIX XII
FY2022 BUDGET: REVISED

(1 Oct. 2021 to 30 Sept. 2022)

Account Number	Account Name	10 - General	20 - Research	30 - Statistics	10,20,30 - TOTAL	40 - FISS	10,20,30, 40 - TOTAL
		FY2022	FY2022	FY2022	FY2022	FY2022	FY2022
Income							
40000	Contracting Party Contributions						
40000.01	Canada	\$ -	\$ -	\$ -	\$ 900,407.00	\$ -	\$ 900,407.00
40000.02	United States of America	\$ -	\$ -	\$ -	\$ 4,157,760.00	\$ -	\$ 4,157,760.00
	Total 40000 - Contracting Party Contributions	\$ 3,297,992.02	\$641,979.15	\$ 1,118,195.83	\$ 5,058,167.00	\$ -	\$ 5,058,167.00
40055	Headquarters (Lease & Maintenance)	\$ 475,000.00	\$ -	\$ -	\$ 475,000.00	\$ -	\$ 475,000.00
40060	Other Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40100	Grants, Contracts & Agreements	\$ -	\$225,379.00	\$ 508,525.00	\$ 733,904.00	\$ 32,656.00	\$ 766,560.00
40200	Interest Income	\$ -	\$ -	\$ -	\$ -	\$ 11,550.00	\$ 11,550.00
40200.01	Bank Interest	\$ 750.00	\$ -	\$ -	\$ 750.00	\$ -	\$ 750.00
40200.02	CD Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total - Other Income	\$ 475,750.00	\$225,379.00	\$ 508,525.00	\$ 1,209,654.00	\$ 44,206.00	\$ 1,253,860.00
40350	Fish Sales						
40350.01	Fish Sales - Pacific Halibut	\$ -	\$ -	\$ -	\$ -	\$ 3,960,300.00	\$ 3,960,300.00
40350.02	Fish Sales - Byproduct	\$ -	\$ -	\$ -	\$ -	\$ 58,800.00	\$ 58,800.00
	Total 40350 - Fish Sales	\$ -	\$ -	\$ -	\$ -	\$ 4,019,100.00	\$ 4,019,100.00
	Total Income	\$ 3,773,742.02	\$867,358.15	\$ 1,626,720.83	\$ 6,267,821.00	\$ 4,063,306.00	\$ 10,331,127.00
Expense							
Personnel Expenses							
50000	Salaries & Wages	\$ 1,747,225.86	\$570,443.43	\$ 1,198,096.21	\$ 3,515,765.50	\$ 991,300.80	\$ 4,507,066.30
50100	Benefits	\$ 516,469.20	\$143,586.72	\$ 306,592.62	\$ 966,648.54	\$ 187,595.76	\$ 1,154,244.30
50100.09	Medical Reimbursement - Retiree	\$ 90,546.96	\$ -	\$ -	\$ 90,546.96	\$ -	\$ 90,546.96
50200	Training & Education	\$ 35,000.00	\$ -	\$ 21,000.00	\$ 56,000.00	\$ 54,600.00	\$ 110,600.00
50300	Personnel Related Expenses	\$ 5,500.00	\$ -	\$ 10,000.00	\$ 15,500.00	\$ 36,376.00	\$ 51,876.00
50300.01	Scholarship Awards	\$ 8,000.00	\$ -	\$ -	\$ 8,000.00	\$ -	\$ 8,000.00
	Total Personnel Expenses	\$ 2,402,742.02	\$714,030.15	\$ 1,535,688.83	\$ 4,652,461.00	\$ 1,269,872.56	\$ 5,922,333.56
Operational Expenses							
51000	Publications	\$ 5,000.00	\$ -	\$ 9,000.00	\$ 14,000.00	\$ -	\$ 14,000.00
51100	Mailing and Shipping	\$ 6,000.00	\$ 3,500.00	\$ 5,000.00	\$ 14,500.00	\$ 125,000.00	\$ 139,500.00
51200	Travel	\$ 90,000.00	\$ 10,450.00	\$ 20,000.00	\$ 120,450.00	\$ 117,516.00	\$ 237,966.00
51300	Meeting and Conference Expenses	\$ 170,000.00	\$ -	\$ -	\$ 170,000.00	\$ -	\$ 170,000.00
51400	Technology	\$ 135,000.00	\$ -	\$ 2,100.00	\$ 137,100.00	\$ -	\$ 137,100.00
	Total Operational Expenses	\$ 406,000.00	\$ 13,950.00	\$ 36,100.00	\$ 456,050.00	\$ 242,516.00	\$ 698,566.00
Fees and Contract Expenses							
52000	Professional Fees	\$ 220,000.00	\$ -	\$ 1,416.00	\$ 221,416.00	\$ -	\$ 221,416.00
52200	Other Fees and Charges	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00	\$ 10,000.00	\$ 60,000.00
52300	Leases and Contracts	\$ 25,000.00	\$124,378.00	\$ 35,000.00	\$ 184,378.00	\$ 1,938,337.00	\$ 2,122,715.00
54000	Communications	\$ 30,000.00	\$ -	\$ 3,500.00	\$ 33,500.00	\$ 20,000.00	\$ 53,500.00
	Total Fees and Contract Expenses	\$ 325,000.00	\$124,378.00	\$ 39,916.00	\$ 489,294.00	\$ 1,968,337.00	\$ 2,457,631.00
Facilities and Equipment Expenses							
53000	Equipment Expense	\$ 20,000.00	\$ 15,000.00	\$ 4,000.00	\$ 39,000.00	\$ 15,000.00	\$ 54,000.00
53100	Supplies Expense	\$ 25,000.00	\$ -	\$ 2,600.00	\$ 27,600.00	\$ 750,000.00	\$ 777,600.00
53200	Maintenance and Utilities	\$ 110,000.00	\$ -	\$ 2,416.00	\$ 112,416.00	\$ 10,000.00	\$ 122,416.00
53300	Facility Rentals	\$ 450,000.00	\$ -	\$ 6,000.00	\$ 456,000.00	\$ 13,000.00	\$ 469,000.00
	Total Facilities and Equipment Expenses	\$ 605,000.00	\$ 15,000.00	\$ 15,016.00	\$ 635,016.00	\$ 788,000.00	\$ 1,423,016.00
Other Expenses							
55000	Budget Contingency	\$ 35,000.00	\$ -	\$ -	\$ 35,000.00	\$ -	\$ 35,000.00
	Total Other Expenses	\$ 35,000.00	\$ -	\$ -	\$ 35,000.00	\$ -	\$ 35,000.00
	Total Expense	\$ 3,773,742.02	\$867,358.15	\$ 1,626,720.83	\$ 6,267,821.00	\$ 4,268,725.56	\$ 10,536,546.56
	Net Income (Loss)	\$ -	\$ -	\$ -	\$ -	\$ (205,419.56)	\$ (205,419.56)

IFC Pension	
IFC Pension - Canada	\$ 127,848.00
IFC Pension - United States of America	\$ 127,848.00
Total - IFC Pension	\$ 255,696.00



APPENDIX XIII
FY2023 TENTATIVE BUDGET

(1 Oct. 2022 to 30 Sept. 2023)

Account Number	Account Name	10 - General	20 - Research	30 - Statistics	10,20,30 - TOTAL	40 - FISS	10,20,30, 40 - TOTAL
		FY2023	FY2023	FY2023	FY2023	FY2023	FY2023
Income							
40000	Contracting Party Contributions						
40000.01	Canada	\$ -	\$ -	\$ -	\$ 927,419.21	\$ -	\$ 927,419.21
40000.02	United States of America	\$ -	\$ -	\$ -	\$ 4,282,492.80	\$ -	\$ 4,282,492.80
	Total 40000 - Contracting Party Contributions	\$ 3,282,949.51	\$ 877,756.05	\$ 1,049,206.45	\$ 5,209,912.01	\$ -	\$ 5,209,912.01
40055	Headquarters (Lease & Maintenance)	\$ 489,250.00	\$ -	\$ -	\$ 489,250.00	\$ -	\$ 489,250.00
40060	Other Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40100	Grants, Contracts & Agreements	\$ -	\$ 89,323.00	\$ 626,316.00	\$ 715,639.00	\$ 34,289.00	\$ 749,928.00
40200	Interest Income	\$ -	\$ -	\$ -	\$ -	\$ 11,896.50	\$ 11,896.50
40200.01	Bank Interest	\$ 772.50	\$ -	\$ -	\$ 772.50	\$ -	\$ 772.50
40200.02	CD Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total - Other Income	\$ 490,022.50	\$ 89,323.00	\$ 626,316.00	\$ 1,205,661.50	\$ 46,185.50	\$ 1,251,847.00
40350	Fish Sales						
40350.01	Fish Sales - Pacific Halibut	\$ -	\$ -	\$ -	\$ -	\$ 4,079,109.00	\$ 4,079,109.00
40350.02	Fish Sales - Byproduct	\$ -	\$ -	\$ -	\$ -	\$ 60,564.00	\$ 60,564.00
	Total 40350 - Fish Sales	\$ -	\$ -	\$ -	\$ -	\$ 4,139,673.00	\$ 4,139,673.00
	Total Income	\$ 3,772,972.01	\$ 967,079.05	\$ 1,675,522.45	\$ 6,415,573.51	\$ 4,185,858.50	\$ 10,601,432.01
Expense							
Personnel Expenses							
50000	Salaries & Wages	\$ 1,727,050.37	\$ 587,556.73	\$ 1,234,039.10	\$ 3,548,646.19	\$ 1,021,039.82	\$ 4,569,686.01
50100	Benefits	\$ 531,963.28	\$ 147,894.32	\$ 315,790.40	\$ 995,648.00	\$ 193,223.63	\$ 1,188,871.63
50100.09	Medical Reimbursement - Retiree	\$ 93,263.37	\$ -	\$ -	\$ 93,263.37	\$ -	\$ 93,263.37
50200	Training & Education	\$ 36,050.00	\$ 18,477.00	\$ 21,630.00	\$ 76,157.00	\$ 56,238.00	\$ 132,395.00
50300	Personnel Related Expenses	\$ 5,665.00	\$ -	\$ 10,300.00	\$ 15,965.00	\$ 37,467.28	\$ 53,432.28
50300.01	Scholarship Awards	\$ 8,000.00	\$ -	\$ -	\$ 8,000.00	\$ -	\$ 8,000.00
	Total Personnel Expenses	\$ 2,401,992.01	\$ 753,928.05	\$ 1,581,759.49	\$ 4,737,679.55	\$ 1,307,968.74	\$ 6,045,648.29
Operational Expenses							
51000	Publications	\$ 5,150.00	\$ 7,500.00	\$ 9,270.00	\$ 21,920.00	\$ -	\$ 21,920.00
51100	Mailing and Shipping	\$ 6,180.00	\$ 7,000.00	\$ 5,150.00	\$ 18,330.00	\$ 128,750.00	\$ 147,080.00
51200	Travel	\$ 92,700.00	\$ 14,825.00	\$ 20,600.00	\$ 128,125.00	\$ 121,041.48	\$ 249,166.48
51300	Meeting and Conference Expenses	\$ 170,000.00	\$ -	\$ -	\$ 170,000.00	\$ -	\$ 170,000.00
51400	Technology	\$ 139,050.00	\$ -	\$ 2,163.00	\$ 141,213.00	\$ -	\$ 141,213.00
	Total Operational Expenses	\$ 413,080.00	\$ 29,325.00	\$ 37,183.00	\$ 479,588.00	\$ 249,791.48	\$ 729,379.48
Fees and Contract Expenses							
52000	Professional Fees	\$ 226,600.00	\$ -	\$ 1,458.48	\$ 228,058.48	\$ -	\$ 228,058.48
52200	Other Fees and Charges	\$ 51,500.00	\$ -	\$ -	\$ 51,500.00	\$ 10,300.00	\$ 61,800.00
52300	Leases and Contracts	\$ 25,750.00	\$ 39,019.00	\$ 36,050.00	\$ 100,819.00	\$ 1,996,487.11	\$ 2,097,306.11
54000	Communications	\$ 30,900.00	\$ -	\$ 3,605.00	\$ 34,505.00	\$ 20,600.00	\$ 55,105.00
	Total Fees and Contract Expenses	\$ 334,750.00	\$ 39,019.00	\$ 41,113.48	\$ 414,882.48	\$ 2,027,387.11	\$ 2,442,269.59
Facilities and Equipment Expenses							
53000	Equipment Expense	\$ 20,600.00	\$ -	\$ 4,120.00	\$ 24,720.00	\$ 15,450.00	\$ 40,170.00
53100	Supplies Expense	\$ 25,750.00	\$ 144,807.00	\$ 2,678.00	\$ 173,235.00	\$ 772,500.00	\$ 945,735.00
53200	Maintenance and Utilities	\$ 113,300.00	\$ -	\$ 2,488.48	\$ 115,788.48	\$ 10,300.00	\$ 126,088.48
53300	Facility Rentals	\$ 463,500.00	\$ -	\$ 6,180.00	\$ 469,680.00	\$ 13,390.00	\$ 483,070.00
	Total Facilities and Equipment Expenses	\$ 623,150.00	\$ 144,807.00	\$ 15,466.48	\$ 783,423.48	\$ 811,640.00	\$ 1,595,063.48
Other Expenses							
55000	Budget Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Other Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Expense	\$ 3,772,972.01	\$ 967,079.05	\$ 1,675,522.45	\$ 6,415,573.51	\$ 4,396,787.33	\$ 10,812,360.84
	Net Income (Loss)	\$ -	\$ -	\$ -	\$ -	\$ (210,928.83)	\$ (210,928.83)
IFC Pension							
	IFC Pension - Canada	\$ 127,848.00	\$ -	\$ -	\$ 127,848.00	\$ -	\$ 127,848.00
	IFC Pension - United States of America	\$ 127,848.00	\$ -	\$ -	\$ 127,848.00	\$ -	\$ 127,848.00
	Total - IFC Pension	\$ 255,696.00	\$ -	\$ -	\$ 255,696.00	\$ -	\$ 255,696.00



APPENDIX XIV
FY2024 INDICATIVE BUDGET

(1 Oct. 2023 to 30 Sept. 2024)

Account Number	Account Name	10 - General	20 - Research	30 - Statistics	10,20,30 - TOTAL	40 - FISS	10,20,30,40 - TOTAL
		FY2024	FY2024	FY2024	FY2024	FY2024	FY2024
Income							
40000	Contracting Party Contributions						
40000.01	Canada	\$ -	\$ -	\$ -	\$ 955,241.79	\$ -	\$ 955,241.79
40000.02	United States of America	\$ -	\$ -	\$ -	\$ 4,410,967.58	\$ -	\$ 4,410,967.58
	Total 40000 - Contracting Party Contributions	\$ 3,381,438.00	\$904,088.73	\$ 1,080,682.65	\$ 5,366,209.37	\$ -	\$ 5,366,209.37
40055	Headquarters (Lease & Maintenance)	\$ 503,927.50	\$ -	\$ -	\$ 503,927.50	\$ -	\$ 503,927.50
40060	Other Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40100	Grants, Contracts & Agreements	\$ -	\$ 92,002.69	\$ 645,105.48	\$ 737,108.17	\$ 36,003.00	\$ 773,111.17
40200	Interest Income	\$ -	\$ -	\$ -	\$ -	\$ 12,253.40	\$ 12,253.40
40200.01	Bank Interest	\$ 795.68	\$ -	\$ -	\$ 795.68	\$ -	\$ 795.68
40200.02	CD Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total - Other Income	\$ 504,723.18	\$ 92,002.69	\$ 645,105.48	\$ 1,241,831.35	\$ 48,256.40	\$ 1,290,087.74
40350	Fish Sales						
40350.01	Fish Sales - Pacific Halibut	\$ -	\$ -	\$ -	\$ -	\$ 4,201,482.27	\$ 4,201,482.27
40350.02	Fish Sales - Byproduct	\$ -	\$ -	\$ -	\$ -	\$ 62,380.92	\$ 62,380.92
	Total 40350 - Fish Sales	\$ -	\$ -	\$ -	\$ -	\$ 4,263,863.19	\$ 4,263,863.19
	Total Income	\$ 3,886,161.17	\$996,091.42	\$ 1,725,788.13	\$ 6,608,040.72	\$ 4,312,119.59	\$ 10,920,160.31
Expense							
Personnel Expenses							
50000	Salaries & Wages	\$ 1,779,101.88	\$605,183.43	\$ 1,271,060.27	\$ 3,655,345.58	\$ 1,051,671.02	\$ 4,707,016.59
50100	Benefits	\$ 547,922.17	\$152,331.15	\$ 325,264.11	\$ 1,025,517.44	\$ 199,020.34	\$ 1,224,537.78
50100.09	Medical Reimbursement - Retiree	\$ 96,061.27	\$ -	\$ -	\$ 96,061.27	\$ -	\$ 96,061.27
50200	Training & Education	\$ 37,131.50	\$ 19,081.31	\$ 22,278.90	\$ 78,441.71	\$ 57,925.14	\$ 136,366.85
50300	Personnel Related Expenses	\$ 5,834.95	\$ -	\$ 10,609.00	\$ 16,443.95	\$ 38,591.30	\$ 55,035.25
50300.01	Scholarship Awards	\$ 8,000.00	\$ -	\$ -	\$ 8,000.00	\$ -	\$ 8,000.00
	Total Personnel Expenses	\$ 2,474,051.77	\$776,545.89	\$ 1,629,212.28	\$ 4,879,809.94	\$ 1,347,207.80	\$ 6,227,017.74
Operational Expenses							
51000	Publications	\$ 5,304.50	\$ 7,725.00	\$ 9,548.10	\$ 22,577.60	\$ -	\$ 22,577.60
51100	Mailing and Shipping	\$ 6,365.40	\$ 7,210.00	\$ 5,304.50	\$ 18,879.90	\$ 132,612.50	\$ 151,492.40
51200	Travel	\$ 95,481.00	\$ 15,269.75	\$ 21,218.00	\$ 131,968.75	\$ 124,672.72	\$ 256,641.47
51300	Meeting and Conference Expenses	\$ 175,100.00	\$ -	\$ -	\$ 175,100.00	\$ -	\$ 175,100.00
51400	Technology	\$ 143,221.50	\$ -	\$ 2,227.89	\$ 145,449.39	\$ -	\$ 145,449.39
	Total Operational Expenses	\$ 425,472.40	\$ 30,204.75	\$ 38,298.49	\$ 493,975.64	\$ 257,285.22	\$ 751,260.86
Fees and Contract Expenses							
52000	Professional Fees	\$ 233,398.00	\$ -	\$ 1,502.23	\$ 234,900.23	\$ -	\$ 234,900.23
52200	Other Fees and Charges	\$ 53,045.00	\$ -	\$ -	\$ 53,045.00	\$ 10,609.00	\$ 63,654.00
52300	Leases and Contracts	\$ 26,522.50	\$ 40,189.57	\$ 37,131.50	\$ 103,843.57	\$ 2,056,381.72	\$ 2,160,225.29
54000	Communications	\$ 31,827.00	\$ -	\$ 3,713.15	\$ 35,540.15	\$ 21,218.00	\$ 56,758.15
	Total Fees and Contract Expenses	\$ 344,792.50	\$ 40,189.57	\$ 42,346.88	\$ 427,328.95	\$ 2,088,208.72	\$ 2,515,537.68
Facilities and Equipment Expenses							
53000	Equipment Expense	\$ 21,218.00	\$ -	\$ 4,243.60	\$ 25,461.60	\$ 15,913.50	\$ 41,375.10
53100	Supplies Expense	\$ 26,522.50	\$149,151.21	\$ 2,758.34	\$ 178,432.05	\$ 795,675.00	\$ 974,107.05
53200	Maintenance and Utilities	\$ 116,699.00	\$ -	\$ 2,563.13	\$ 119,262.13	\$ 10,609.00	\$ 129,871.13
53300	Facility Rentals	\$ 477,405.00	\$ -	\$ 6,365.40	\$ 483,770.40	\$ 13,791.70	\$ 497,562.10
	Total Facilities and Equipment Expenses	\$ 641,844.50	\$149,151.21	\$ 15,930.47	\$ 806,926.18	\$ 835,989.20	\$ 1,642,915.38
Other Expenses							
55000	Budget Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Other Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Expense	\$ 3,886,161.17	\$996,091.42	\$ 1,725,788.13	\$ 6,608,040.72	\$ 4,528,690.95	\$ 11,136,731.67
	Net Income (Loss)	\$ -	\$ -	\$ -	\$ -	\$ (216,571.36)	\$ (216,571.36)
IFC Pension							
	IFC Pension - Canada	\$ 127,848.00	\$ -	\$ -	\$ 127,848.00	\$ -	\$ 127,848.00
	IFC Pension - United States of America	\$ 127,848.00	\$ -	\$ -	\$ 127,848.00	\$ -	\$ 127,848.00
	Total - IFC Pension	\$ 255,696.00	\$ -	\$ -	\$ 255,696.00	\$ -	\$ 255,696.00



APPENDIX XV
FY2025 INDICATIVE BUDGET

(1 Oct. 2024 to 30 Sept. 2025)

Account Number	Account Name	10- General	20- Research	30- Statistics	10,20,30- TOTAL	40- FISS	10,20,30, 40- TOTAL
		FY2025	FY2025	FY2025	FY2025	FY2025	FY2025
Income							
40000	Contracting Party Contributions						
40000.01	Canada	\$ -	\$ -	\$ -	\$ 983,899.04	\$ -	\$ 983,899.04
40000.02	United States of America	\$ -	\$ -	\$ -	\$ 4,543,296.61	\$ -	\$ 4,543,296.61
	Total 40000 - Contracting Party Contributions	\$ 3,482,881.13	\$ 931,211.39	\$ 1,113,103.13	\$ 5,527,195.65	\$ -	\$ 5,527,195.65
40055	Headquarters (Lease & Maintenance)	\$ 519,045.33	\$ -	\$ -	\$ 519,045.33	\$ -	\$ 519,045.33
40060	Other Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40100	Grants, Contracts & Agreements	\$ -	\$ 94,762.77	\$ 664,458.64	\$ 759,221.42	\$ 37,803.00	\$ 797,024.42
40200	Interest Income	\$ -	\$ -	\$ -	\$ -	\$ 12,621.00	\$ 12,621.00
40200.01	Bank Interest	\$ 819.55	\$ -	\$ -	\$ 819.55	\$ -	\$ 819.55
40200.02	CD Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total - Other Income	\$ 519,864.87	\$ 94,762.77	\$ 664,458.64	\$ 1,279,086.29	\$ 50,424.00	\$ 1,329,510.28
40350	Fish Sales						
40350.01	Fish Sales - Pacific Halibut	\$ -	\$ -	\$ -	\$ -	\$ 4,327,526.74	\$ 4,327,526.74
40350.02	Fish Sales - Byproduct	\$ -	\$ -	\$ -	\$ -	\$ 64,252.35	\$ 64,252.35
	Total 40350 - Fish Sales	\$ -	\$ -	\$ -	\$ -	\$ 4,391,779.09	\$ 4,391,779.09
	Total Income	\$ 4,002,746.00	\$ 1,025,974.16	\$ 1,777,561.77	\$ 6,806,281.94	\$ 4,442,203.08	\$ 11,248,485.02
Expense							
Personnel Expenses							
50000	Salaries & Wages	\$ 1,832,713.92	\$ 623,338.93	\$ 1,309,192.08	\$ 3,765,244.93	\$ 1,083,221.15	\$ 4,848,466.08
50100	Benefits	\$ 564,359.84	\$ 156,901.09	\$ 335,022.03	\$ 1,056,282.96	\$ 204,990.95	\$ 1,261,273.91
50100.09	Medical Reimbursement - Retiree	\$ 98,943.11	\$ -	\$ -	\$ 98,943.11	\$ -	\$ 98,943.11
50200	Training & Education	\$ 38,245.45	\$ 19,602.25	\$ 22,947.27	\$ 80,794.96	\$ 59,662.89	\$ 140,457.86
50300	Personnel Related Expenses	\$ 6,010.00	\$ -	\$ 10,927.27	\$ 16,937.27	\$ 39,749.04	\$ 56,686.31
50300.01	Scholarship Awards	\$ 8,001.00	\$ -	\$ -	\$ 8,001.00	\$ -	\$ 8,001.00
	Total Personnel Expenses	\$ 2,548,273.31	\$ 799,842.27	\$ 1,678,088.65	\$ 5,026,204.23	\$ 1,387,624.03	\$ 6,413,828.26
Operational Expenses							
51000	Publications	\$ 5,463.64	\$ 7,956.75	\$ 9,834.54	\$ 23,254.93	\$ -	\$ 23,254.93
51100	Mailing and Shipping	\$ 6,556.36	\$ 7,426.30	\$ 5,463.64	\$ 19,446.30	\$ 136,590.88	\$ 156,037.17
51200	Travel	\$ 98,345.43	\$ 15,727.84	\$ 21,854.54	\$ 135,927.81	\$ 128,412.91	\$ 264,340.72
51300	Meeting and Conference Expenses	\$ 180,353.00	\$ -	\$ -	\$ 180,353.00	\$ -	\$ 180,353.00
51400	Technology	\$ 147,518.15	\$ -	\$ 2,294.73	\$ 149,812.87	\$ -	\$ 149,812.87
	Total Operational Expenses	\$ 438,236.57	\$ 31,110.89	\$ 39,447.44	\$ 508,794.91	\$ 265,008.78	\$ 773,798.69
Fees and Contract Expenses							
52000	Professional Fees	\$ 240,399.94	\$ -	\$ 1,547.30	\$ 241,947.24	\$ -	\$ 241,947.24
52200	Other Fees and Charges	\$ 54,636.35	\$ -	\$ -	\$ 54,636.35	\$ 10,927.27	\$ 65,563.62
52300	Leases and Contracts	\$ 27,318.18	\$ 41,395.26	\$ 38,245.45	\$ 106,958.88	\$ 2,118,073.17	\$ 2,225,032.05
54000	Communications	\$ 32,781.81	\$ -	\$ 3,824.54	\$ 36,606.35	\$ 21,854.54	\$ 58,460.89
	Total Fees and Contract Expenses	\$ 355,136.28	\$ 41,395.26	\$ 43,617.29	\$ 440,148.82	\$ 2,150,854.98	\$ 2,591,003.81
Facilities and Equipment Expenses							
53000	Equipment Expense	\$ 21,854.54	\$ -	\$ 4,370.91	\$ 26,225.45	\$ 16,390.91	\$ 42,616.35
53100	Supplies Expense	\$ 27,318.18	\$ 153,625.75	\$ 2,841.09	\$ 183,785.01	\$ 819,545.25	\$ 1,003,330.26
53200	Maintenance and Utilities	\$ 120,199.97	\$ -	\$ 2,640.03	\$ 122,840.00	\$ 10,927.27	\$ 133,767.27
53300	Facility Rentals	\$ 491,727.15	\$ -	\$ 6,556.36	\$ 498,283.51	\$ 14,205.45	\$ 512,488.96
	Total Facilities and Equipment Expenses	\$ 661,099.84	\$ 153,625.75	\$ 16,408.39	\$ 831,133.97	\$ 861,068.88	\$ 1,692,202.85
Other Expenses							
55000	Budget Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Other Expenses	\$ -					
	Total Expense	\$ 4,002,746.00	\$ 1,025,974.16	\$ 1,777,561.77	\$ 6,806,281.93	\$ 4,664,551.68	\$ 11,470,833.61
	Net Income (Loss)	\$ -	\$ -	\$ -	\$ -	\$ (222,348.59)	\$ (222,348.59)
IFC Pension							
	IFC Pension - Canada	\$ 127,848.00	\$ -	\$ -	\$ 127,848.00	\$ -	\$ 127,848.00
	IFC Pension - United States of America	\$ 127,848.00	\$ -	\$ -	\$ 127,848.00	\$ -	\$ 127,848.00
	Total - IFC Pension	\$ 255,696.00	\$ -	\$ -	\$ 255,696.00	\$ -	\$ 255,696.00



APPENDIX XVI

CONSOLIDATED SET OF RECOMMENDATIONS AND REQUESTS OF THE 98TH SESSION OF THE IPHC ANNUAL MEETING (AM098) (24-28 JANUARY 2022)

RECOMMENDATIONS

Management Strategy Evaluation

AM098–Rec.01 ([para. 69](#)) The Commission **RECOMMENDED** that an MSE agenda item be added to the upcoming special session to discuss and provide direction on elements of the MSE workplan, including distribution procedures to incorporate in the management procedures being simulated in 2022 and evaluated at the 99th Session of the IPHC Annual Meeting (AM099).

12th Special Session of the Commission (SS012)

AM098–Rec.02 ([para. 116](#)) The Commission **RECOMMENDED** that the 12th Special Session of the Commission be held electronically in late February or early March 2022 and include the following agenda items: 1) FY2023 budget review and adoption; 2) Management Strategy Evaluation; 3) IPHC Fishery Regulations: Daily bag limit in IPHC Regulatory Area 2B (Sect. 28) ([IPHC-2022-AM098-PropB4](#)).

Length-Weight

AM098–Rec.03 ([para. 121](#)) The Commission **RECOMMENDED** the adoption of the updated length-weight relationship as detailed in paper [IPHC-2022-AM098-INF07](#), and its dissemination to the appropriate domestic management agencies.

REQUESTS

2nd IPHC Performance Review (PRIPHC02): Implementation of recommendations

AM098–Req.01 ([para. 9](#)) The Commission **REQUESTED** that a ‘scorecard’ be added to the covering paper of the PRIPHC02 update paper, for future meeting documents. Mindful that a timeline to address the set of recommendations is by the end of 2024, the intention would be to better facilitate a discussion of progress and feasibility of the current set of recommendations.

Management Strategy Evaluation

AM098–Req.02 ([para. 61](#)) The Commission **RECALLED** SS011-Rec.01 and **REQUESTED** that the current size limit (32 inches), a 26 inch size limit, and no size limit be investigated. to understand the long-term effects of a change in the size limit.

AM098–Req.03 ([para. 63](#)) The Commission **REQUESTED** that the IPHC Secretariat work with the SRB and others as necessary to identify potential costs and benefits of not conducting an annual stock assessment. This will include a prioritized list of work items that could be accomplished in its place.

AM098–Req.04 ([para. 64](#)) The Commission **REQUESTED** that multi-year management procedures include the following concepts:



- a) The stock assessment occurs biennially (and possibly triennial if time in 2022 allows) and no changes would occur to the FISS (i.e. remains annual);
- b) The TCEY within IPHC Regulatory Areas for non-assessment years:
 - i. remains the same as defined in the previous assessment year, or
 - ii. changes within IPHC Regulatory Areas using simple empirical rules, to be developed by the IPHC Secretariat, that incorporate FISS data.

AM098–Req.05 ([para. 66](#)) The Commission **NOTED** that a distribution procedure is necessary to evaluate the size limit and multi-year assessment management procedures, and **REQUESTED** that a range of distribution procedures be used to highlight potential differences in the performance of size limits and multi-year assessments.

AM098–Req.06 ([para. 68](#)) The Commission **REQUESTED** that work continue on methods to evaluate MSE outcomes, including providing new alternative methods to quickly evaluate large sets of management procedures, which may involve ranking them in various ways.

Pacific halibut fishery economics – Project Report

AM098–Req.07 ([para. 73](#)) The Commission **AGREED** that it wished to see the Commission improve its knowledge of key inputs into the Pacific halibut stock assessment and Management Strategy Evaluation (MSE) processes, thereby providing the best possible advice for management decision making processes. Accordingly the Commission **REQUESTED** that no additional economic analyses be undertaken and that the Commission instead dedicate its efforts and funds to core areas of responsibility.

IPHC Rules of Procedure (2022)

AM098–Req.08 ([para. 105](#)) The Commission **ADOPTED** the IPHC Rules of Procedure (2022), as provided in [IPHC-2022-FAC098-09](#), and **REQUESTED** that the IPHC Secretariat finalise and publish them accordingly with the following amendments:

- 1) amend para. 1.a of the RAB ToR's to read as follows:

“1.1.a Suggest research topics to be considered for incorporation in the IPHC integrated research and monitoring activities, as well as to comment upon operational and implementation considerations of those research and monitoring activities.”

- 2) retain para. 14 of the PAB TOR's:

“14. Conduct of meetings: Parliamentary procedure will be used in the conduct of the PAB”

Review of the draft and adoption of the report of the 98th Session of the IPHC Annual Meeting (AM098)

AM098–Req.09 ([para. 126](#)) The Commission **REQUESTED** that the IPHC Secretariat finalise and publish the IPHC *Pacific Halibut Fishery Regulations (2022)* as soon as possible, **NOTING** that only minor editorial and formatting changes are permitted beyond the decisions made by the Commission at the AM098.