



Report of the IPHC Secretariat (2022)

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1 PURPOSE

To provide the Commission with a draft update on the activities of the IPHC Secretariat in 2022, not already contained within other papers before the Commission.

2 IPHC SECRETARIAT 2022

The IPHC is a public international organization so designated via Presidential Executive Order 11059 and established by a Convention between Canada and the United States of America. The IPHC Convention was signed on 2 March 1923, ratified on 21 July 1924, and came into effect on **21 October 1924** upon exchange.

The basic texts of the Commission are available on the IPHC website: <https://www.iphc.int/the-commission>, and prescribe the mission of the organization as:

“..... to develop the stocks of [Pacific] halibut in the Convention waters to those levels which will permit the optimum yield from the fishery and to maintain the stocks at those levels.” IPHC Convention, Article I, sub-article I, para. 2).

The IPHC Secretariat, formed in support the Commission’s activities, is based in Seattle, WA, U.S.A. ([Fig. 1](#)) and consists of 34 fulltime positions (FTEs) and 35-45 temporary/seasonal positions to staff our ports and research vessels ([Appendix I](#)). As our shared vision, ***the IPHC Secretariat aims to deliver positive economic, environmental, and social outcomes for the Pacific halibut resource for Canada and the U.S.A. through the application of rigorous science, innovation, and the implementation of international best practice.***

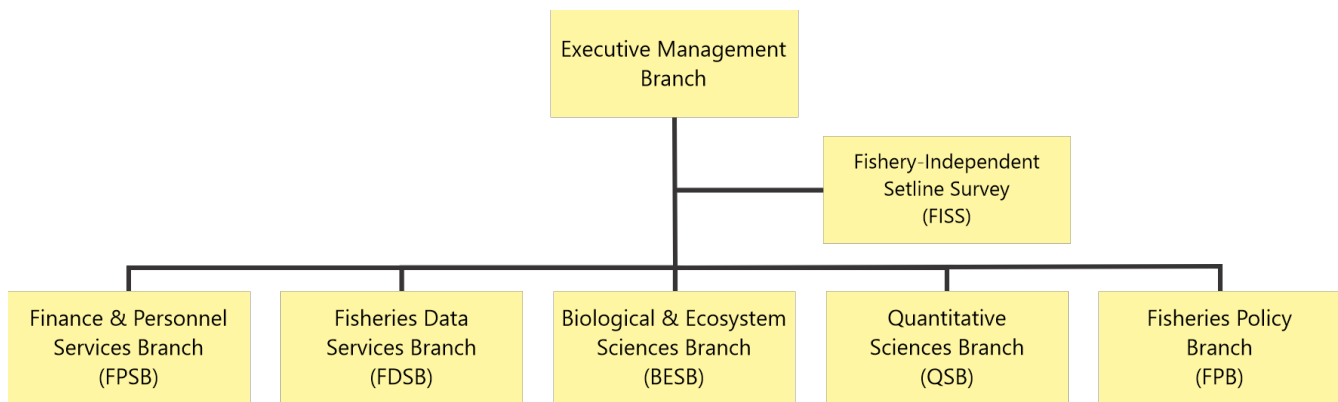


Figure 1. IPHC Secretariat organisation chart (2022).

3 IPHC INTERNSHIP PROGRAM: 2022

The IPHC funds full-time internships each summer. In 2022 the IPHC hosted two undergraduate interns, Ms Vasilisa (Vasi) **Tyurina**, a Biology major at Pacific Lutheran University (Tacoma, WA), and Ms Kaitlyn **Murray**, an Environmental Science major at Sweet Briar College (Amherst, VA).

Vasi and Kaitlyn have participated in two research activities of the Biological and Ecosystem Sciences Branch. First, Vasi and Kaitlyn have contributed to the generation of sex ratio

information from the 2021 commercial samples by participating in all components of this important monitoring effort: from extracting DNA from fin clips to conducting the genotyping assays. Secondly, Vasi and Kaitlyn have participated in the reproductive assessment project by processing blood samples and testing methods for measuring the blood levels of reproductive hormones as reproductive indicators in female Pacific halibut at different stages in their reproductive development. The internship period runs from 31 May through 15 August 2022.

4 IPHC MERIT SCHOLARSHIP FOR 2022-25

The IPHC funds several Merit Scholarships to support university, technical college, and other post-secondary education for students from Canada and the United States of America who are connected to the Pacific halibut fishery. Generally, a single new scholarship valued at US\$4,000 per year is awarded every two years. The scholarships are renewable annually for the normal four-year period of undergraduate education, subject to maintenance of satisfactory academic performance.

Since the scholarships inception in 2002, the IPHC has awarded over US\$150,000 in scholarship funds to 18 recipients.

In 2022, the IPHC Merit Scholarship Selection Panel reviewed applications and selected an outstanding candidate from a very strong application pool, based on academic qualifications, career goals, and relationship to the Pacific halibut industry.

The Selection Panel consists of the following five (5) panelists:

- Robert Alverson (USA Commissioner)
- Peter DeGreef (Canadian Commissioner)
- Patrick DePoe
- Angel Drobnica
- Christa Rusel

The Selection Panel unanimously awarded Lucy Hankins (Seward, AK, USA) 2022 IPHC Merit Scholarship. The current recipients and their expected years of receipt are provided below.

Name	2022	2023	2024	2025
Hahlen Behnken-Barkhau (Sitka, AK, USA)	\$4,000	\$4,000	-	-
Lucy Hankins (Seward, AK, USA)	-	\$4,000	\$4,000	\$4,000

5 MEETINGS OF THE COMMISSION AND SUBSIDIARY BODIES DURING 2022

Meeting	No.	Date	Location	Secretariat material
Finance and Administration Committee (FAC)	98 th	24 Jan	Electronic	9 working papers
Annual Meeting (AM)	98 th	24-28 Jan	Electronic	15 working papers, 3 regulatory proposals
Conference Board (CB)	92 nd	25-26 Jan	Electronic	Commission papers
Processor Advisory Board (PAB)	27 th	25-26 Jan	Electronic	Commission papers

Special Session (SS)	12 th	25 Feb	Electronic	4 working papers
Scientific Review Board (SRB)	20 th	14-16 June	Seattle, USA & Electronic	10 working papers
Work Meeting (WM)	2022	14-15 Sept	Bellingham, USA & Electronic	14 working papers
Scientific Review Board (SRB)	21 st	20-22 Sept	Seattle, USA & Electronic	7 working papers
Management Strategy Advisory Board (MSAB)	17 th	18-20 Oct	Electronic	7 working papers
Research Advisory Board (RAB)	23 rd	28 Nov	Seattle, USA & Electronic	10 working papers
Interim Meeting (IM)	98 th	30 Nov – 1 Dec	Electronic	14 working papers

6 IPHC PACIFIC HALIBUT FISHERY REGULATIONS ADOPTED IN 2022

In 2022, the Commission adopted **seven (7)** fishery regulations/amendments ([IPHC-2022-AM098-R](#)) in accordance with Article III of the Convention, as follows:

6.1 IPHC Secretariat fishery regulation proposals

IPHC Fishery Regulations: Morality 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 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](#)).

6.2 Contracting Party fishery regulation proposals

IPHC Fishery Regulations: 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.

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

([SS012-R, para. 14](#)) The Commission **ADOPTED** a modified version of the fishery regulation proposal [[IPHC-2022-SS012-PropB4](#)], which proposed allowing a maximum daily bag limit of up

to three (3) fish per person in IPHC Regulatory Area 2B within a limited time frame, from 1 April 2021 to 31 March 2023 ([Appendix IV](#)).

7 IPHC FISHERY REGULATIONS DEFERRED IN 2022

In 2022, the Commission deferred one (1) fishery regulation proposal as follows:

7.1 *Other Stakeholder fishery regulation proposals*

IPHC Fishery Regulations: 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

([para. 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.

8 INTERACTIONS WITH CONTRACTING PARTIES

8.1 *Contracting Party reports*

In 2022, the IPHC Secretariat has engaged agency representatives from both Contracting Parties regarding more comprehensive and timely reporting of all forms of Pacific halibut removals. The IPHC Secretariat is working to identify and address data gaps in reporting.

8.2 *Canada*

Fisheries and Oceans Canada (DFO)

Multiyear permit for the IPHC survey in Gwaii Haanas National Marine Conservation Area

In May 2022, the Archipelago Management Board (AMB) approved the application the DFO put forward to permit multi-year approvals for the IPHC Fishery-Independent Setline Survey (FISS) in Gwaii Haanas National Marine Conservation Area (NMCA). What this means is that the IPHC has approval to fish the FISS stations within Gwaii Haanas for the 2022, 2023 and 2024 FISS without having to annually apply for these permissions when they apply for their Canadian scientific licences.

Memorandum of Understanding/Collective Agreement – Rockfish

In collaboration with DFO, Pacific Halibut Management Association of BC and Archipelago Marine Research (AMR), IPHC tagged Yelloweye, Quillback and Rougheye rockfish aboard both 2B FISS vessels for dockside sampling by AMR staff. This collaboration was formed to replace prior collective agreement involving rockfish caught aboard 2B FISS vessels. 439 Yelloweye, 95 Quillback and 64 Rougheye rockfish were sampled throughout the 2B coast during the 2022 FISS.

Areas of conservation concern

The IPHC Secretariat continues to work with the DFO representatives to address gaps in coverage for the IPHC FISS in the IPHC Regulatory Area 2B. Currently, the FISS license

excludes Marine Protected Areas as described by Hecate Strait and Queen Charlotte Sound Glass Sponge Reefs Marine Protected Areas Regulations, and Rockfish Conservation Areas (RCAs).

Northern Shelf Bioregion

The action plan for the development of a network of marine protected areas (MPAs) in the Northern Shelf Bioregion is a collaborative partnership between the Government of Canada, the Province of British Columbia and 17 First Nations. While detailed management plans for individual MPAs within the network remain in the planning phase, the Secretariat follows the process in relation to network's overlap with FISS (see [Fig. 2](#)). Proposed extension of the network covers 29 FISS stations.

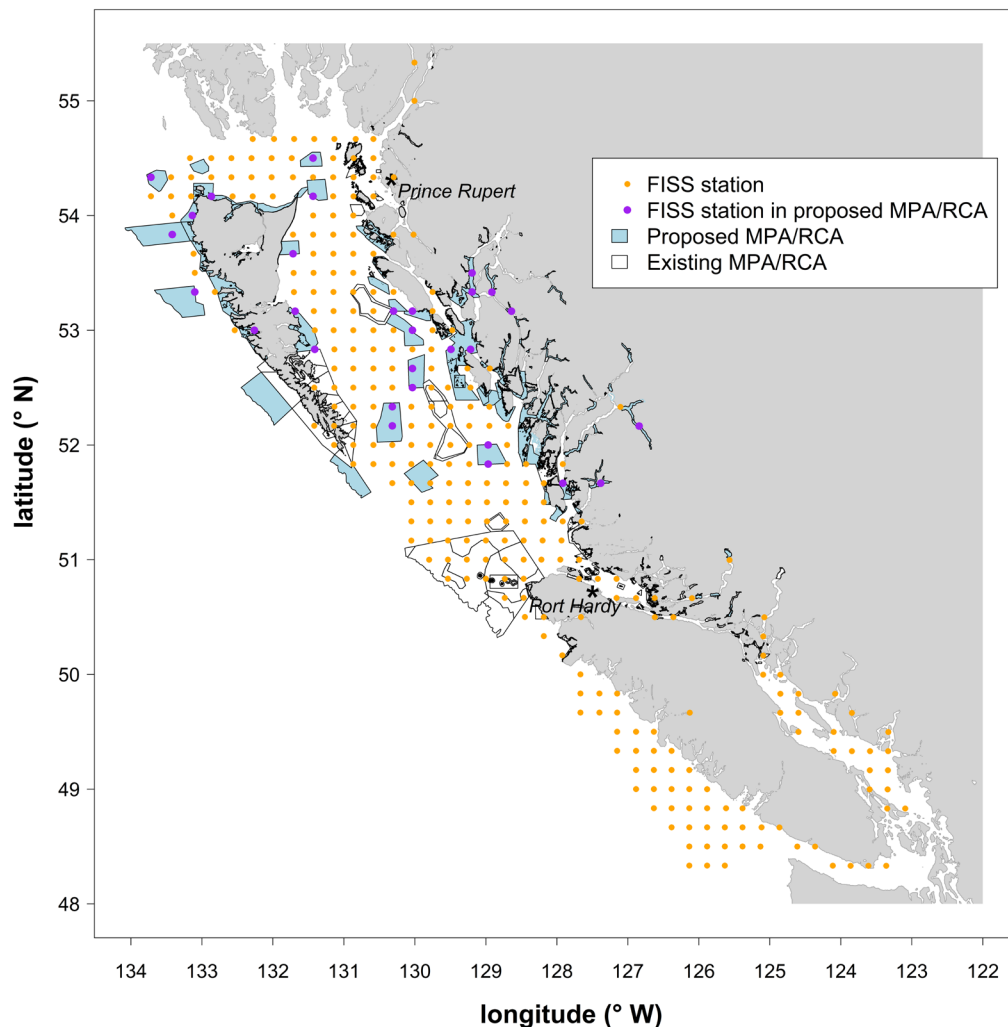


Figure 2: Overlap between locations of FISS stations and proposed area of the Northern Shelf Bioregion.

Halibut Advisory Board (HAB)

The Executive Director (Dr. Wilson) participates as a HAB member, with the Fisheries Policy Branch Manager (Dr. Hutniczak) as the IPHC alternate. This relationship is expected to continue into the future given the HAB's contributions to the Canadian decision-making process.

8.3 *United States of America*

North Pacific Fishery Management Council (NPFMC)

At the meeting in February 2022, the IPHC presented to the Council the outcomes of the 98th Session of the IPHC Annual Meeting (AM098).

At the same meeting, the Council adopted the purpose and need statement and set of alternatives for analysis of Pacific halibut catch sharing plan allocations between the charter sector and the commercial sector ([D1 CM 2](#)). This item is [not yet scheduled by the Council](#).

At the meeting in April 2022, the Council took final action on establishing a fee collection program for charter vessel operators to fund the Recreational Quota Entity (RQE) ([C2 CM](#)). Accordingly, NMFS will develop regulations to establish the fee requirement for a Charter Halibut Stamp.

At the same meeting, the Council also adopted the following changes to individual fishing quota (IFQ) program regulations (IFQ Omnibus Action) ([C1 CM](#)):

- Clarify that “slinky pots” are a legal gear for the IFQ fishery and CDQ [Community Development Quota] fisheries, and revise regulations to allow the use of biodegradable twine in the door latch or pot tunnel.
- Remove buoy configuration, radar reflector, and flagpole requirements in regulation but retain “LP” marking requirement.
- Authorize jig gear as a legal gear type for the harvest of sablefish IFQ and CDQ.
- Revise the pot gear configuration requirements to remove the nine-inch maximum width of tunnel opening so it does not apply when a vessel begins a trip with unfished halibut IFQ onboard.
- Change the Pot Limit for Western Yakutat to 200 pots per vessel.
- Modify the gear retrieval requirement to 7 days for the CG area [Central Gulf] and 5 days in SEO [Southeast Outside]
- Remove Adak CQE [Community Quota Entity] residency requirement for a period of five years.

At the meeting in June 2022, the Council adopted the purpose and need statement and alternatives for analysis of adjusting the vessel cap for Area 4 halibut to recognize conditions leading to fewer vessels participating in the Area 4 fisheries, and to increase utilization of quota in the region ([D2 CM](#)). The Council requested NMFS to evaluate options for extending the temporary rule to waive vessel use caps in Area 4 while the Council considers permanent changes to this provision. This item is scheduled for the [meeting in February 2023](#).

At the meeting in December 2022, the Council recommend management measures (e.g., bag limits, size restrictions, day-of-the-week closures, etc.) for the charter halibut fisheries in IPHC Areas 2C and 3A for implementation in 2023.

Nomination process for the Alaġum Kanuuġ as a National Marine Sanctuary

At the meeting in June 2022, the Council received an update on marine sanctuary nomination for area around the Pribilof Islands [proposed by the Aleut Community of St. Paul Island Tribal Government](#). At this time, the Council requested additional details on the proposal (see [letter from July 7, 2022](#)) to evaluate the management implications for the region. The IPHC will monitor the progress of the designation for potential implications for FISS survey.

PACIFIC Fishery Management Council (PFMC)

IPHC Regulatory Area 2A Catch Sharing Plans and in-season management

The IPHC Secretariat collaborated with NOAA Fisheries and State agencies to conduct in-season management of the various fisheries identified in the IPHC Regulatory Area 2A Catch Sharing Plan. Date and possession restrictions were adjusted in season among the various fisheries to meet identified fishery needs while attaining and remaining within the applicable catch limits. Estimates of removals for 2022 will be presented during Agenda Item 4.1 (Fishery-dependent data overview).

IPHC Regulatory Area 2A fishery management handover to the USA

The Council took final action in November 2020, and adopted the following:

- The Council will consider the directed fishery framework during the Catch Sharing Plan process in September and November; include any guidance for vessel limits and in-season changes for NMFS implementation.
- NMFS will issue permits for all Area 2A halibut fisheries: commercial-directed, incidental salmon troll, incidental sablefish, and recreational charter halibut fisheries.
- NMFS will determine the appropriate application deadlines for all commercial halibut applications, set to accommodate Council meetings and NMFS processing time.
- Proof of permit will be required to be onboard the fishing vessel and made readily available upon request, regardless of the type of permit (e.g., paper or electronic). NMFS will provide access to permits in a printable format or send paper copies directly to the participant.

As for the status of implementation:

- In July 2022, NMFS shared with the IPHC a draft of a proposed rule; the Secretariat reviewed the document and provided NMFS with comments
- The [proposed rule \(87 FR 44318\)](#) went out for public comment on 26 July 2022; the comment period was open until 25 August 2022
- The final rule ([87 FR 74322](#)) was published on 5 December 2022 and is effective on 4 January 2023
- NMFS is in process of collecting information necessary to issue permits by early 2023
- NMFS will manage the non-tribal directed commercial fishery beginning in 2023
- Management alternatives will be considered through the Council process annually at the September and November meetings

More details on the transition of management in the IPHC Regulatory Area 2A can be found in the IPHC information paper [IPHC-2023-AM099-INF03](#) intended for outreach.

Bureau of Ocean Energy Management (BOEM) offshore wind planning activities

The PFMC Marine Planning Committee (MPC), at its June 2022 meeting, considered recent BOEM offshore wind planning activities. In April 2022, BOEM formally announced a [Request for Information and Nominations for offshore wind \(OSW\) energy development off the Oregon Coast for the Coos Bay and the Brookings Call Areas](#). IPHC reviewed the proposed area in relation to its overlap with FISS (see [Fig. 3](#)). Six stations are within the Coos Bay call area and two within the Brookings call area. Other stations are close to the area edges and gear from those stations may also be set within the areas given the length of the gear and that it is not always set exactly on the station's coordinates.

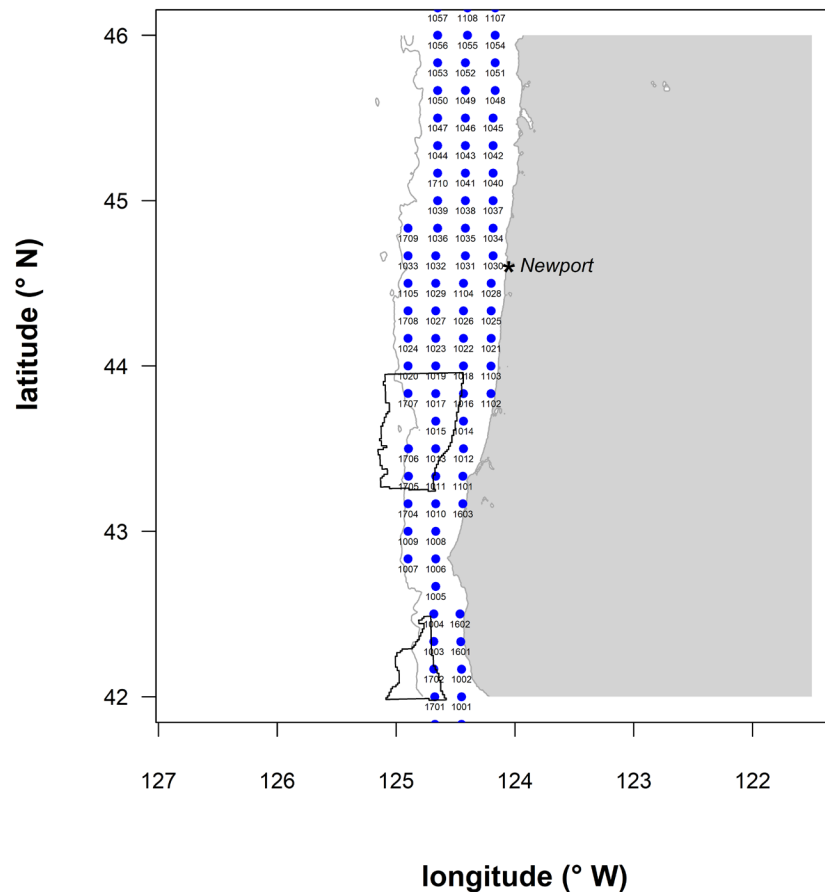


Figure 3. Overlap between locations of FISS stations and proposed area for offshore wind energy development off the Oregon Coast.

Alaska Fisheries Science Center (AFSC)

Pacific cod and Pacific spiny dogfish sampling agreement

NOAA Fisheries, through the Alaska Fisheries Science Center (AFSC), requested sex and length data from Pacific spiny dogfish and length data from Pacific cod from all FISS stations surveyed in 2022. The IPHC has been collecting these data from Pacific spiny dogfish since 2011, from Pacific cod in the Bering Sea since 2007 and from Pacific cod in the Gulf of Alaska (GOA) since 2017. In 2022, the IPHC FISS team collected 2,971 lengths of Pacific cod and 1,439 lengths/sex of Pacific spiny dogfish as a part of this agreement.

Washington Department of Fish and Wildlife (WDFW)

Memorandum of Understanding – Rockfish

The objective of the Memorandum of Understanding with the WDFW is to 1) collect and utilize catch and biological sample data from species caught during FISS; 2) agree on how proceeds from the sale of Pacific halibut, rockfish and Pacific cod will be disbursed; and 3) lay forth the financial obligations associated with undertaking additional FISS stations, as requested by the WDFW, to survey rockfish populations off the Washington coastline.

In 2022, the IPHC sampled eight (8) additional stations at the request of the WDFW. The IPHC tagged 234 rockfish at sea, which were then sampled by WDFW staff during the offloads in Neah Bay, Port Angeles, and Westport, WA. The costs incurred by these activities are 100% cost-recovered from the WDFW.

9 IPHC COMMUNICATIONS AND OUTREACH

9.1 IPHC Website

The IPHC Secretariat continues to develop new ways to display data and statistics for our stakeholders and other interested parties, focusing particularly on the addition of timely and useful visual displays such as those listed below. In 2022, we developed and published all of our [historical water column profiler data](#) which has been collated annually since 2009, as part of our FISS activities.

1) Directed commercial fisheries:

<https://www.iphc.int/datatest/commercial-fisheries>

2) Fishery-independent setline survey (FISS):

<https://www.iphc.int/data/datatest/fishery-independent-setline-survey-fiss>

3) Non-Directed Commercial Discard Mortality Fisheries:

<https://www.iphc.int/data/datatest/non-directed-commercial-discard-mortality-fisheries>

4) Geospatial Data:

<https://www.iphc.int/datatest/data/geospatial-data>

5) Recreational Fisheries:

<https://www.iphc.int/data/datatest/pacific-halibut-recreational-fisheries-data>

6) Time Series Data Sets:

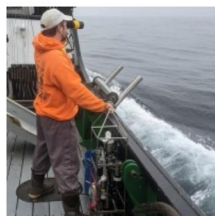
<https://www.iphc.int/data/time-series-datasets>

7) Subsistence Fisheries:

<https://www.iphc.int/datatest/subsistence-fisheries>

8) Water Column Profiler Data:

<https://www.iphc.int/datatest/data/water-column-profiler-data>



Water Column Profiler Data

Download static environmental data collected during the IPHC FISS.

[View Water Column Profiler Data >](#)

9.2 Annual Report

The 2021 Annual Report (1 January to 31 December 2021) was published on 31 March 2022 and is available for download from the IPHC website at the following link: <https://www.iphc.int/uploads/pdf/ar/iphc-2022-ar2021-r.pdf>

9.3 IPHC Circulars and Media Releases

2022 IPHC Circulars continue to serve as the formal inter-sessional communication mechanism for the Commission. Circulars are used to announce meetings of the Commission and its subsidiary bodies, as well as inter-sessional decisions made by the Commission. The following are those published in 2022, and a full list may be accessed via the following weblink: <https://www.iphc.int/library/documents/category/circulars>

Circular	Title/Subject	Date published
IPHC-2022-CR-001	IPHC Rules of Procedure (2022)	8 Feb 2022
IPHC-2022-CR-002	Reports of the 98 th Session of the IPHC Finance and Administration Committee (FAC098); 92 nd Session of the IPHC Conference Board (CB092); 27 th Session of the IPHC Processor Advisory Board (PAB027)	8 Feb 2022
IPHC-2022-CR-003	Invitation to the 12 th Special Session of the IPHC (SS012)	8 Feb 2022
IPHC-2022-CR-004	Report of the 98 th Session of the IPHC Annual Meeting (AM098)	18 Feb 2022
IPHC-2022-CR-005	Report of the 12 th Special Session of the IPHC (SS012)	7 Mar 2022
IPHC-2022-CR-006	For Decision - Budget Estimates FY2023 (for approval)	7 Mar 2022
IPHC-2022-CR-007	Intersessional Decision - Budget Estimates: FY2023	16 Mar 2022
IPHC-2022-CR-008	Announcement of the 20 th Session of the IPHC Scientific Review Board (SRB020)	17 Mar 2022
IPHC-2022-CR-009	Publication of IPHC Annual Report 2021 (IPHC-2022-AR2021-R)	31 Mar 2022
IPHC-2022-CR-010	Invitation to the 2022 Session of the IPHC Work Meeting (WM2022)	16 Jun 2022
IPHC-2022-CR-011	Report of the 20 th Session of the IPHC Scientific Review Board (SRB020)	17 Jun 2022
IPHC-2022-CR-012	Announcement of the 21 st Session of the IPHC Scientific Review Board (SRB021)	22 Jun 2022
IPHC-2022-CR-013	Announcement of the 17 th Session of the IPHC Management Strategy Advisory Board (MSAB017)	8 Jul 2022
IPHC-2022-CR-014	Invitation to an informal Commissioner meeting (15 July 2022)	8 Jul 2022
IPHC-2022-CR-015	Invitation to the 23 rd Session of the IPHC Research Advisory Board (RAB023)	19 Aug 2022
IPHC-2022-CR-016	Invitation to the 98 th Session of the IPHC Interim Meeting (IM098)	19 Aug 2022
IPHC-2022-CR-017	Report of the 21 st Session of the IPHC Scientific Review Board (SRB021)	22 Sept 2022
IPHC-2022-CR-018	For Decision - MSAB Membership (for approval)	7 Oct 2022
IPHC-2022-CR-019	Intersessional Decision (2022-ID002) - MSAB Membership	8 Oct 2022
IPHC-2022-CR-020	Report of the 17 th Session of the IPHC Management Strategy Advisory Board (MSAB017)	21 Oct 2022

IPHC-2022-CR-021	Invitation to the 99 th Session of the IPHC Finance and Administration Committee (FAC099), and the 99 th Session of the IPHC Annual Meeting (AM099)	24 Oct 2022
IPHC-2022-CR-022	Invitation to the 93 rd Session of the IPHC Conference Board (CB098) and the 28 th Session of the IPHC Processor Advisory Board (PAB028)	24 Oct 2022
IPHC-2022-CR-021	Report of the 23 rd Session of the IPHC Research Advisory Board (RAB023)	28 Nov 2022
IPHC-2022-CR-022	Report of the 98 th Session of the IPHC Interim Meeting (IM098)	16 Dec 2022

2022 IPHC Media Releases are the primary informal communication with all stakeholders.
<https://www.iphc.int/library/documents/category/media-releases>

Circular	Title/Subject	Date published
IPHC-2022-MR-001	IPHC Regulatory Area 2A Licence Applications Open for Submission (2022)	31 Jan 2022
IPHC-2022-MR-002	Completion of the 98 th Session of the IPHC Annual Meeting (AM098)	31 Jan 2022
IPHC-2022-MR-003	Report of the 98 th Session of the IPHC Annual Meeting (AM098)	22 Feb 2022
IPHC-2022-MR-004	Fishery-Independent Setline Survey (2022 FISS) Request for Tender Extended	28 Feb 2022
IPHC-2022-MR-005	Solicitation for the 2022 IPHC Merit Scholarship	16 Mar 2022
IPHC-2022-MR-006	Notification of Potential Pacific Halibut Sales in 2022, Seeking Buyers Interested in Fish Sales from the IPHC Fishery-Independent Setline Survey (FISS)	23 Mar 2022
IPHC-2022-MR-007	Notification of IPHC Fishery-Independent Setline Survey (FISS) 2022 Contract Awards	5 May 2022
IPHC-2022-MR-008	Non-Tribal Directed Commercial Fishery in IPHC Regulatory Area 2A: Fishing Period Limits for First (28 to 30 June 2022) Fishing Period	16 May 2022
IPHC-2022-MR-009	Fishery-Independent Setline Survey (2022 FISS) Request for Tender - 27 June 2022	27 Jun 2022
IPHC-2022-MR-010	Non-Tribal Directed Commercial Fishery in IPHC Regulatory Area 2A: Fishing Period Limits for Second (12 to 14 July 2022) Fishing Period	7 Jul 2022
IPHC-2022-MR-011	Non-Treaty Directed Commercial Fishery in IPHC Regulatory Area 2A: Fishing Period Limits for Third (26 to 28 July 2022) Fishing Period	21 Jul 2022
IPHC-2022-MR-012	Non-Treaty Directed Commercial Fishery in IPHC Regulatory Area 2A: CLOSED	2 Aug 2022
IPHC-2022-MR-013	Recreational Fishery Closure in IPHC Regulatory Area 2A: California	5 Aug 2022
IPHC-2022-MR-014	IPHC Merit Scholarship 2022 – Recipient	11 Aug 2022
IPHC-2022-MR-015	Attention Salmon Processors -Chum Salmon Needed for the 2023 IPHC Fishery-Independent Setline Survey (FISS)	23 Aug 2022
IPHC-2022-MR-016	Announcement of the 99 th Session of the IPHC Annual Meeting (AM099), and associated subsidiary bodies	24 Oct 2022
IPHC-2022-MR-017	IPHC Requests tenders for the 2023 Fishery-Independent Setline Survey (FISS)	20 Dec 2022

All interested persons are encouraged to request that their email addresses be added to IPHC distribution lists at the following link: <https://www.iphc.int/form/media-and-news>.

9.4 IPHC External engagement

There is a considerable amount of effort put into public outreach, attending conferences and meetings that enhance knowledge, contributing expertise to the broader scientific community through participation on boards and committees, and seeking further education and training. In 2022, much of this engagement continued to take place electronically due to the COVID-19 pandemic, but there were several meetings attended in-person.

Committees and external organisation appointments

North America:

- 1) *Technical Subcommittee (TSC) of the Canada-United States Groundfish Committee*
- Dr. Josep Planas, Dr. Basia Hutniczak.

Canada:

- 1) *Halibut Advisory Board (Canada)* - Dr. David Wilson (Dr. Basia Hutniczak – Alternate)
- 2) *Framework Review for Atlantic Halibut on the Scotian Shelf and Southern Grand Banks in NAFO Divisions 3NOPS4VWX5Zc: Part 2 - Review of Modelling Approaches (DFO)* – Dr. Allan Hicks
- 3) *Centre for Science Advice Pacific (CSAP) Regional Peer Review (RPR) of a Revised Operating Model for Sablefish in British Columbia in 2022* – Dr. Allan Hicks

United States of America:

- 1) *Bering Sea/Aleutian Islands Plan Team* - Dr. Allan Hicks
- 2) *Bering Sea Fishery Ecosystem Plan Team* - Dr. Ian Stewart
- 3) *North Pacific Fishery Management Council (NPFMC) Abundance-based Management Working Group* – Dr. Allan Hicks
- 4) *NPFMC Scientific and Statistical Committee* - Dr. Ian Stewart
- 5) *NPFMC Trawl Electronic Monitoring Committee* – Dr. Jason Jannot
- 6) *North Pacific Research Board Science Panel* - Dr. Josep Planas
- 7) *Fisheries Monitoring Science Committee (NOAA-Alaska)* – Dr. Ray Webster
- 8) *Interagency electronic reporting system for commercial fishery landings in Alaska (eLandings) Steering Committee* – Dr. Jason Jannot
- 9) *NOAA Marine Recreational Information Program (MRIP) Alaska Regional Implementation Team* – Drs. Jason Jannot and Ian Stewart

Conferences and symposia (chronological order)

- 1) 20th Biennial Conference of the International Institute of Fisheries Economics and Trade (Dr. Basia Hutniczak)
- 2) SCS7 – 7th National Scientific Coordination Subcommittee Meeting, U.S. Regional Fishery Management Councils (Dr. Ian Stewart)

Academic affiliations 2022

Affiliate Faculty:

- 1) Dr. Allan Hicks - University of Washington School of Aquatic and Fishery Sciences, Seattle, WA, USA
- 2) Dr. Ian Stewart - University of Washington School of Aquatic and Fishery Sciences, Seattle, WA, USA

3) Dr. Josep Planas - Alaska Pacific University, Anchorage, AK, USA

Graduate student committee member:

- 1) Dr. Allan Hicks - University of Massachusetts School for Marine Science & Technology, Dartmouth, MA, USA
- 2) Dr. Allan Hicks - University of Washington School of Aquatic & Fishery Sciences, Seattle, WA, USA
- 3) Dr. Ian Stewart - University of Washington School of Aquatic & Fishery Sciences, Seattle, WA, USA
- 4) Dr. Josep Planas - Alaska Pacific University, Anchorage, AK, USA

10 IPHC PUBLICATIONS IN 2022

10.1 Published peer-reviewed journal papers

Adams GD, Holsman KK, Barbeaux SJ, Dorn MW, Ianelli JN, Spies I, **Stewart IJ**, and Punt AE. 2022. An ensemble approach to understand predation mortality for groundfish in the Gulf of Alaska. *Fisheries Research* 251: 106303, <https://doi.org/10.1016/j.fishres.2022.106303>.

Loher T, McCarthy O, Sadorus LL, Erickson L, Simeon A, Drinan DP, Hauser L, **Planas JV**, and **Stewart IJ**. 2022. A Test of Deriving Sex-Composition Data for the Directed Pacific Halibut Fishery via At-Sea Marking. *Marine and Coastal Fisheries* 14(4), <https://doi.org/10.1002/mcf2.10218>.

Hutniczak B. 2022. Assessing cross-regional flows of economic benefits: A case study of Pacific halibut commercial fishing in Alaska, *Fisheries Research* 255: 106449, <https://doi.org/10.1016/j.fishres.2022.106449>.

Hutniczak B. 2022 Efficient updating of regional supply and use tables with the national-level statistics, *Journal of Economic Structures* 11: 16, <https://doi.org/10.1186/s40008-022-00274-8>.

Good TP, **Jannot JE**, Somers KA, Ward EJ. 2022 Using Bayesian time series models to estimate bycatch of an endangered albatross. *Fisheries Research* 256: 106492, <https://doi.org/10.1016/j.fishres.2022.106492>.

Jasonowicz A, A. Simeon, M. Zahm, C. Cabau, C. Klopp, C. Roques, C. Iampietro, J. Lluch, C. Donnadieu, H. Parrinello, D. P. Drinan, L. Hauser, Y. Guiguen, **J. V. Planas**. 2022. Generation of a chromosome-level genome assembly for Pacific halibut (*Hippoglossus stenolepis*) and characterization of its sex-determining genomic region. *Molecular Ecology Resources* 22(7): 2685-2700, <https://doi.org/10.1111/1755-0998.13641>.

Fish T, Wolf N, Smeltz TS, Harris BP, and **Planas JV**. 2022. Reproductive Biology of Female Pacific Halibut (*Hippoglossus stenolepis*) in the Gulf of Alaska. *Frontiers in Marine Science* 9:801759, <https://doi.org/10.3389/fmars.2022.80175>.

Loher T, **Dykstra CL**, **Hicks A**, **Stewart IJ**, Wolf N, Harris BP, and **Planas J.V**. 2022. Estimation of postrelease longline mortality in Pacific halibut using acceleration-logging tags. *North American Journal of Fisheries Management*. 42: 37-49, <http://dx.doi.org/10.1002/nafm.10711>.

10.2 *In press peer-reviewed journal papers***10.3 *Submitted peer-review journal papers – In review***

Adams G, Holsman K, Rovellini A, **Stewart I**, Wassermann S, and Punt A. Implications of predator-prey dynamics for single-species management. *Fish and Fisheries*.

Lomeli MJM, Wakefield WW, Abele M, **Dykstra CL**, Herrmann B, **Stewart IJ**, and Christie G. Testing of hook sizes and appendages to reduce yelloweye rockfish bycatch in the Pacific halibut longline fishery. *Ocean and Coastal Management*.

11 RECOMMENDATION

That the Commission:

- 1) **NOTE** paper IPHC-2023-AM099-04 which provides the Commission with an update on activities of the IPHC Secretariat in 2022 not detailed in other papers before the Commission.

12 APPENDICES

[Appendix I](#): IPHC Secretariat positions – current



Appendix I
IPHC Secretariat positions – current

(<https://www.iphc.int/locations/map>)

Branch	Sub-Section	Position	Current Employee
Executive	-	Executive Director	Dr Wilson, David
Executive	-	Assistant Director	Keikkala, Andrea
-	Fishery-Independent Setline Survey	Setline Survey Coordinator	Ualesi, Kayla
-	Fishery-Independent Setline Survey	Setline Survey Specialist	Rillera, Rachel
-	Fishery-Independent Setline Survey	Setline Survey Specialist	Jack, Tyler
-	Fishery-Independent Setline Survey	Setline Survey Specialist	Coll, Kevin
-	Fishery-Independent Setline Survey	Setline Survey Specialist (Field)	Multiple Employees (25-35)
Quantitative Sciences	-	Quantitative Scientist (Stock Assessment)	Dr Stewart, Ian
Quantitative Sciences	-	Quantitative Scientist (Management Strategy Evaluation)	Dr Hicks, Allan
Quantitative Sciences	-	Quantitative Scientist (Biometrician)	Dr Webster, Raymond
Fisheries Policy	-	Branch Manager (FP)	Dr Hutniczak, Barbara
Finance and Personnel Services	Personnel Services	Administrative Specialist (Snr)	Chapman, Kelly
Finance and Personnel Services	Personnel Services	Administrative Specialist/Communications	Coluccio, Tara
Finance and Personnel Services	Personnel Services	Administrative Specialist	Wietecha, Ola
Finance and Personnel Services	Personnel Services	Administrative Specialist	Burkhalter, Lorissa
Finance and Personnel Services	Personnel Services	Administrative Specialist Accounting	Kuklok, Rebecca
Finance and Personnel Services	Communications Services	Communications Coordinator & Research Biologist	Sadorus, Lauri

Finance and Personnel Services	Communications Services	Communications Specialist	Henry, Edward
Finance and Personnel Services	Technology Services	Systems Administrator	Tynes, Robert
Finance and Personnel Services	Technology Services	Information Technology Specialist (Application Developer)	Taheri, Afshin
Finance and Personnel Services	Technology Services	Information Technology Specialist (Application Developer)	Outsourced
Biological and Ecosystem Sciences	-	Branch Manager (BES)	Dr Planas, Josep
Biological and Ecosystem Sciences	-	Research Scientist - Life History Modeler I (Epigenetics)	Vacant
Biological and Ecosystem Sciences	-	Research Biologist (Mortality and Survivorship)	Dykstra, Claude
Biological and Ecosystem Sciences	-	Research Biologist Genetics	Jasonowicz, Andrew
Biological and Ecosystem Sciences	-	Research Biologist (Life History)	Jones, Colin
Biological and Ecosystem Sciences	-	Biological Science Laboratory Technician	Simchick, Crystal
Fisheries Data Services	-	Branch Manager (FDS)	Dr Jannot, Jason
Fisheries Data Services	Port Operations Services	Port Operations Coordinator	Thom, Monica
Fisheries Data Services	Port Operations Services	Fisheries Data Specialist (Field)	Multiple Employees (8-10)
Fisheries Data Services	Fisheries Data Services	Fisheries Data Coordinator	Tran, Huyen
Fisheries Data Services	Fisheries Data Services	Fisheries Data Specialist (HQ-GIS)	Kong, Thomas
Fisheries Data Services	Fisheries Data Services	Fisheries Data Specialist (HQ)	Sawyer Van Vleck, Kim
Fisheries Data Services	Fisheries Data Services	Fisheries Data Specialist (HQ)	Magrane, Kelsey
Fisheries Data Services	Otolith Aging Services	Otolith Laboratory Technician (Snr)	Forsberg, Joan
Fisheries Data Services	Otolith Aging Services	Otolith Laboratory Technician	Johnston, Chris
Fisheries Data Services	Otolith Aging Services	Otolith Laboratory Technician	Tobin, Robert