



INTERNATIONAL PACIFIC



HALIBUT COMMISSION

Summary of the 95th Session of the IPHC Interim Meeting (IM095)

NPFMC Meeting Agenda Item B8

4 December 2019

95th IPHC Interim Meeting (IM095)

- 25-26 Nov 2019, Seattle
- Open to public and webcast
 - All meeting materials available at <https://www.iphc.int/venues/details/95th-session-of-the-iphc-interim-meeting-im095>
- Report published 26 Nov 2019



IPHC-2019-IM095-R

Report of the 95th Session of the IPHC Interim Meeting (IM095)

Seattle, Washington, United States of America, 25-26 November 2019

Commissioners

Canada	United States of America
Paul Ryall	Chris Oliver
Neil Davis	Robert Alverson
Peter DeGreef	Richard Yamada

Executive Director

David T. Wilson, Ph.D.

DISTRIBUTION:

Participants in the Session
Members of the Commission
IPHC Secretariat

BIBLIOGRAPHIC ENTRY:

IPHC 2019. Report of the 95th Session of the IPHC Interim Meeting (IM095). Seattle, Washington, U.S.A., 25-26 November 2019.
IPHC-2019-IM095-R, 29 pp.



95th IPHC Interim Meeting (IM095)

Information-sharing forum in preparation for the 96th Annual Meeting (AM096), which will be held 3-7 Feb 2020

- Data collection
- Fishery statistics
- Fishery-Independent Setline Survey (FISS)
- Space-time modelling to produce the biological distribution
- Stock assessment
- Harvest decision table
- Biological and ecological research plans
- Management Strategy Evaluation
- Regulatory proposals



Landing Report

- <https://www.iphc.int/data/landings-2019>

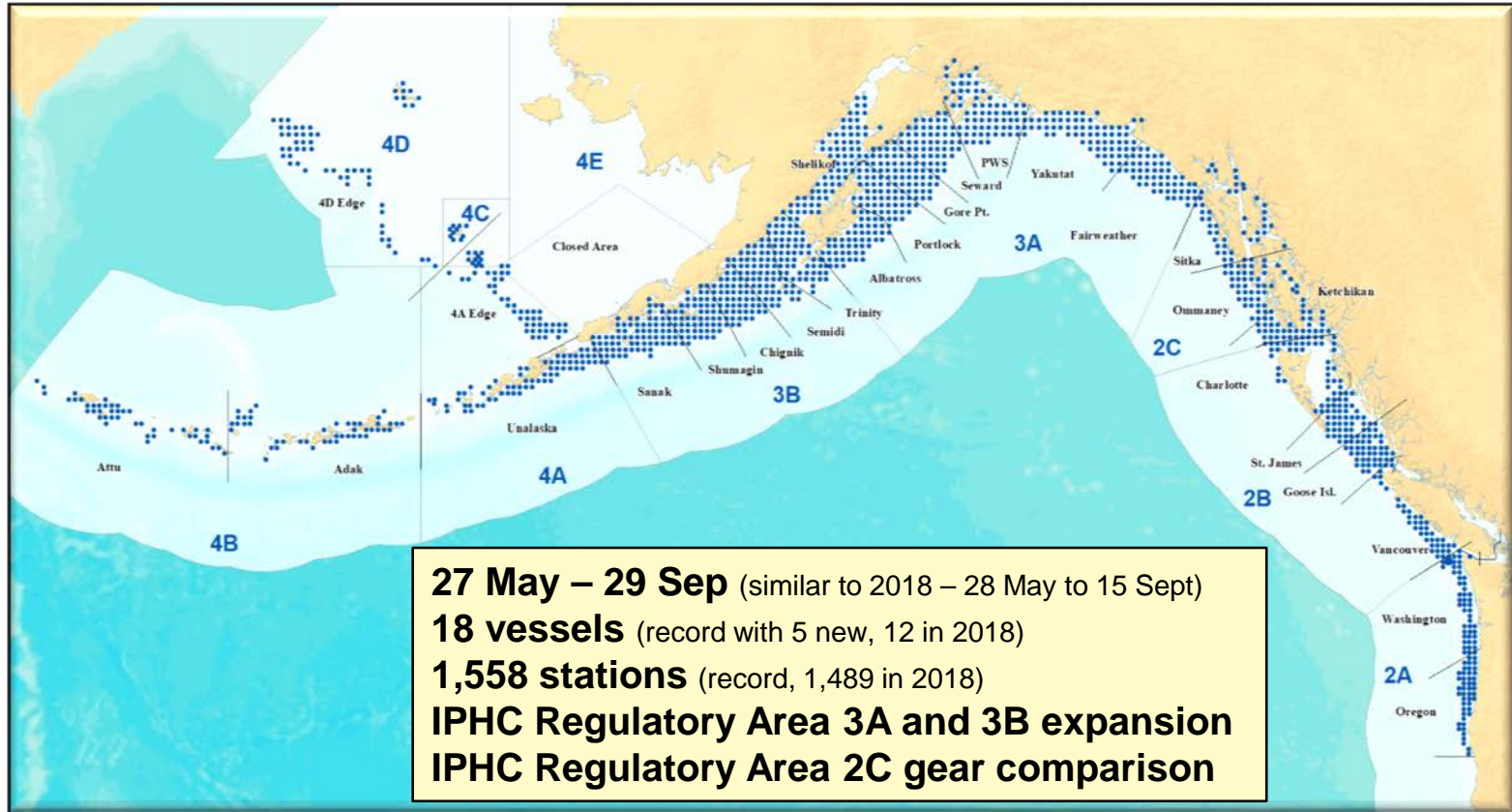


**Last updated: 20 November 2019*

IPHC Regulatory Area	Fishery limits (net weight)		Landings (net weight)		Pct (%) Landed
	Tonnes (t)	Pounds (lb)	Tonnes (t)	Pounds (lb)	
Area 2A (California, Oregon, and Washington)	680.39	1,500,000	610.72	1,346,404	90
Non-treaty directed commercial (south of Pt. Chehalis)*	115.41	254,426	114.65	252,761	99
Non-treaty incidental catch in salmon troll fishery	20.37	44,899	19.69	43,417	97
Non-treaty incidental catch in sablefish fishery (north of Pt. Chehalis)	31.75	70,000	36.00	79,360	113
Treaty Indian commercial	225.44	497,000	224.33	494,568	100
Treaty Indian ceremonial and subsistence (year-round)	12.70	28,000	12.70	28,000	100
Recreational – Washington	125.69	277,100	122.48	270,024	97
Recreational – Oregon	131.35	289,575	72.71	160,306	55
Recreational – California	17.69	39,000	8.15	17,968	46
Area 2B (British Columbia)	2,698.87	5,950,000	2,630.08	5,798,328	97
Commercial fishery	2,313.32	5,100,000	2,285.39	5,038,414	99
Recreational fishery	381.02	840,000	344.69	759,914	90
Area 2C (southeastern Alaska)¹	2,036.63	4,490,000	1,847.08	4,072,103	91
Commercial fishery	1,637.47	3,610,000	1,523.21	3,358,103	93
Commercial discard mortality	27.22	60,000	36.29	80,000	133
Guided recreational fishery	371.95	820,000	287.58	634,000	77
Area 3A (central Gulf of Alaska)	4,653.85	10,260,000	4,646.66	10,244,137	100
Commercial fishery	3,655.95	8,060,000	3,579.36	7,891,137	98
Commercial discard mortality	140.61	310,000	160.12	353,000	114
Guided recreational fishery	857.29	1,890,000	907.18	2,000,000	106
Area 3B (western Gulf of Alaska)	1,056.87	2,330,000	977.58	2,155,192	92
Area 4A (eastern Aleutians)	748.43	1,650,000	621.03	1,369,148	83
Area 4B (central/western Aleutians)	548.85	1,210,000	443.50	977,742	81
Areas 4CDE²	925.33	2,040,000	741.02	1,633,659	80
Area 4C (Pribilof Islands)	412.77	910,000	n/a	n/a	n/a
Area 4D (northwestern Bering Sea)	412.77	910,000	n/a	n/a	n/a
Area 4E (Bering Sea flats)	99.79	220,000	n/a	n/a	n/a
Total	13,349.21	29,430,000	12,517.65	27,596,713	94



2019 Fishery-Independent Setline Survey

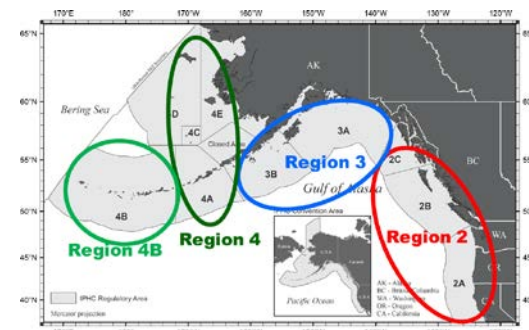
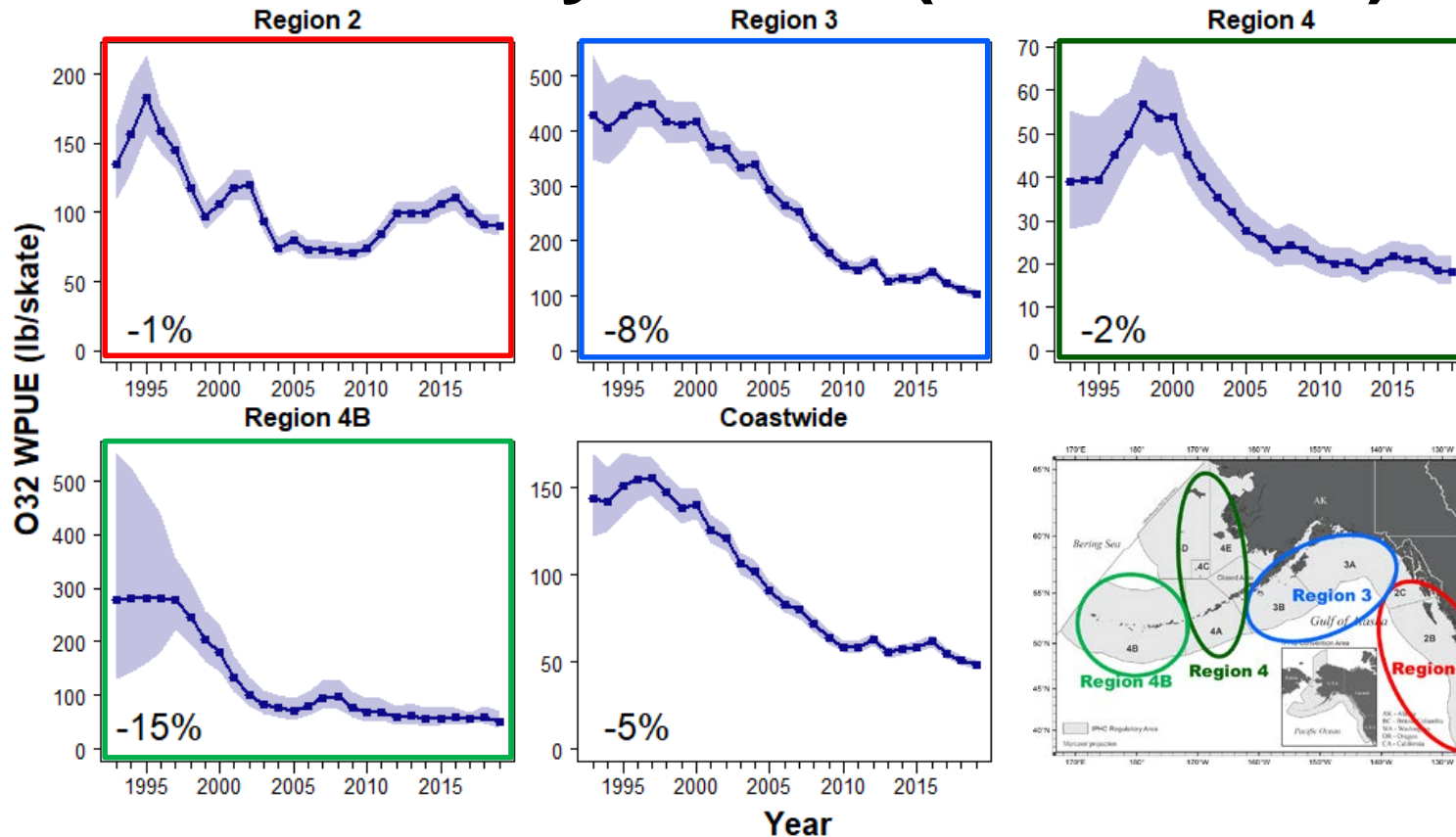


Stock assessment: summary

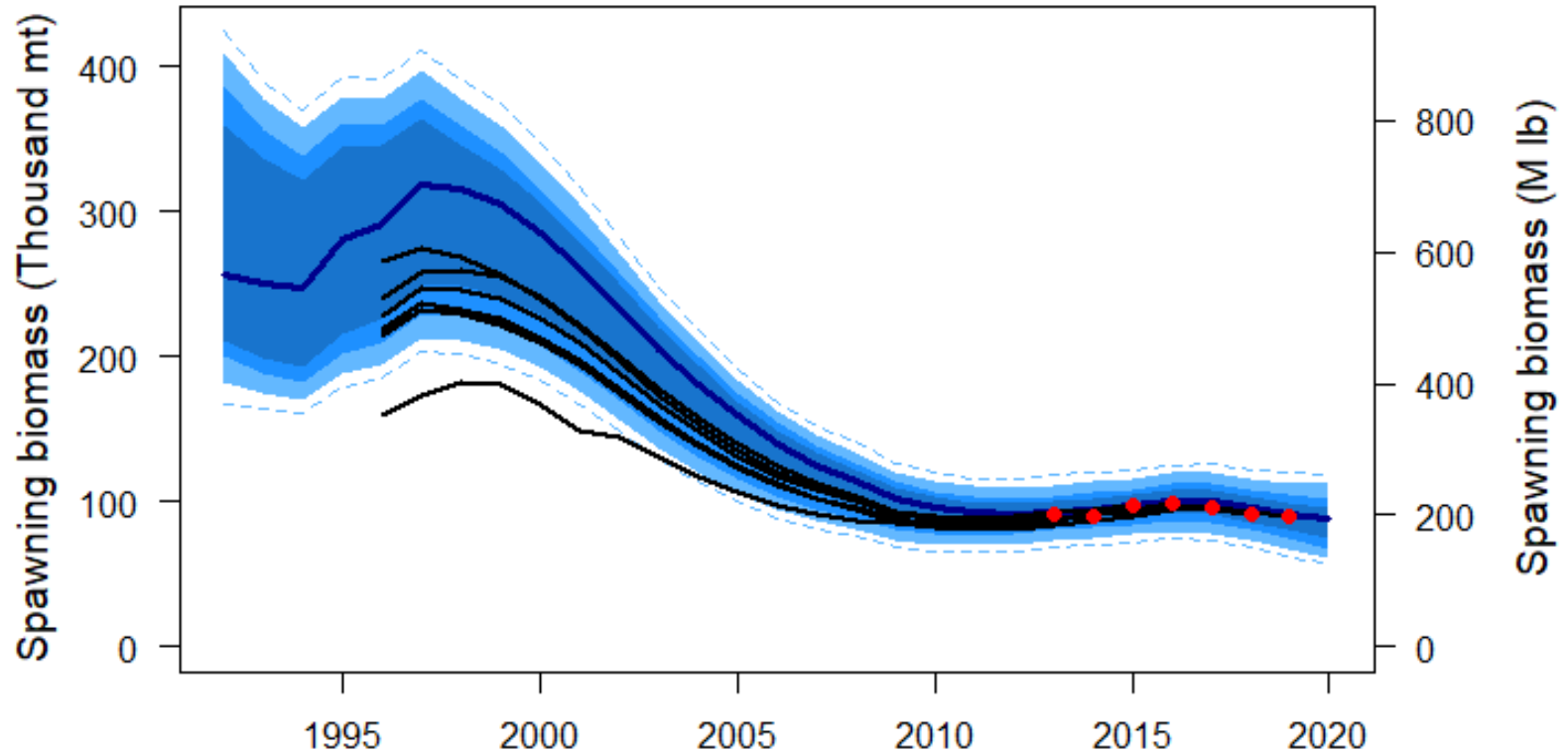
- Modelled survey trends down: numbers and WPUE
- Fishery CPUE trends mixed but flat coastwide
- Estimated spawning biomass decreased from 2018-2019 (as predicted); this is projected to continue for all 2020 TCEYs greater than 18.4 Mlb
- Interim management procedure indicates that lower yields needed to achieve a fishing intensity of $F_{46\%}$



Modelled survey trends (O32 WPUE)



Comparison with previous assessments

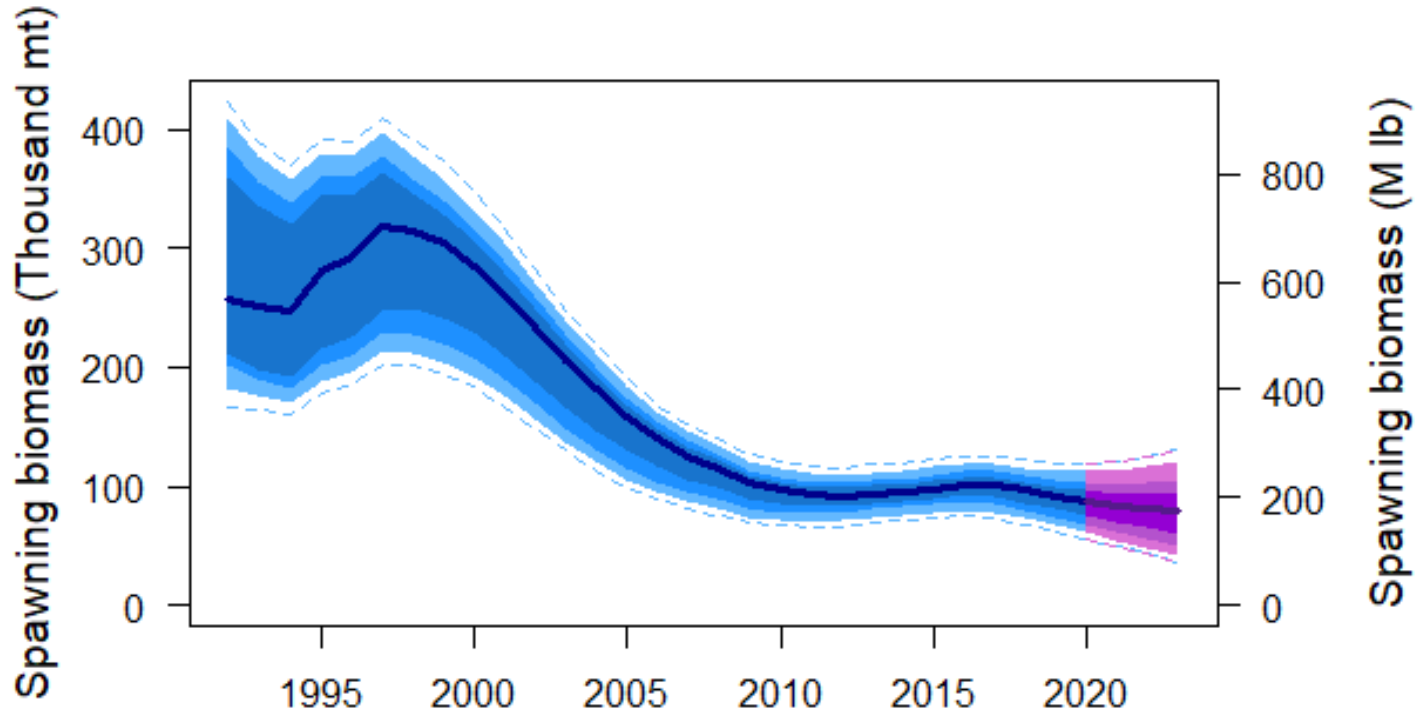


Stock assessment summary table

Indicators	Values	Trends	Status
Total mortality 2019: Retained catch 2019: Average removals 2015–19:	39.67 MLBS, 17,996 T 32.21 MLBS, 14,608 T 40.93 MLBS, 18,567 T	MORTALITY INCREASED FROM 2018 TO 2019	2019 MORTALITY NEAR 100-YEAR LOW
SPR ₂₀₁₉ : P(SPR<46%): P(SPR<limit):	42% (29-57%) 59% LIMIT NOT SPECIFIED	FISHING INTENSITY INCREASED FROM 2018 TO 2019	FISHING INTENSITY ABOVE REFERENCE LEVEL
SB ₂₀₂₀ (Mlb): SB ₂₀₂₀ /SB ₀ : P(SB ₂₀₂₀ <SB ₃₀): P(SB ₂₀₂₀ <SB ₂₀):	194 MLBS (133–248) 32% (22-46%) 46% <1%	SB DECREASED FROM 2016 TO 2020	NOT OVERFISHED
Biological stock distribution:	SEE TABLES AND FIGURES	REGION 3 DECREASING	REGION 2 AND 4 AT HISTORICAL HIGHS



Projections: reference level $F_{46\%}$



Full decision table for 2020

2020 Alternative				3-Year Surplus			Reference <i>SPR=46%</i>						Status quo			
Total mortality (M lb)		0.0	11.6	20.0	23.6	27.6	32.3	33.5	34.6	35.7	36.8	37.8	38.9	40.2	61.6	
TCEY (M lb)		0.0	10.0	18.4	22.0	26.0	30.7	31.9	33.0	34.1	35.2	36.2	37.3	38.6	60.0	
2020 fishing intensity		F _{100%}	F _{78%}	F _{63%}	F _{58%}	F _{53%}	F _{47%}	F _{46%}	F _{45%}	F _{44%}	F _{43%}	F _{42%}	F _{41%}	F _{40%}	F _{27%}	
Fishing intensity interval		--	59-87%	44-75%	39-71%	35-67%	31-62%	30-61%	29-60%	28-59%	28-58%	27-57%	26-56%	25-56%	17-43%	
Stock Trend (spawning biomass)	in 2021	is less than 2020	1	29	61	71	79	87	89	91	93	94	95	96	97	>99
		is 5% less than 2020	<1	<1	11	23	30	42	46	50	54	58	61	64	67	98
	in 2022	is less than 2020	<1	16	50	60	68	77	79	81	83	85	87	89	90	>99
		is 5% less than 2020	<1	1	23	33	45	59	61	64	66	68	69	71	74	99
	in 2023	is less than 2020	1	22	50	58	65	73	75	77	79	81	83	85	87	>99
		is 5% less than 2020	<1	6	33	43	53	62	64	66	67	69	71	73	75	99
Stock Status (Spawning biomass)	in 2021	is less than 30%	35	39	43	44	46	47	48	48	48	48	48	49	49	51
		is less than 20%	<1	<1	<1	<1	1	1	1	2	2	2	3	3	16	
	in 2022	is less than 30%	26	31	40	43	46	48	48	49	49	49	49	50	50	54
		is less than 20%	<1	<1	<1	1	2	6	7	8	9	11	12	14	15	27
	in 2023	is less than 30%	18	27	37	41	45	48	49	49	49	49	50	50	50	60
		is less than 20%	<1	<1	<1	2	6	13	15	17	18	20	21	22	23	40
Fishery Trend (TCEY)	in 2021	is less than 2020	0	<1	11	24	36	50	51	52	54	57	59	63	67	>99
		is 10% less than 2020	0	<1	1	12	25	40	44	46	48	50	51	52	53	>99
	in 2022	is less than 2020	0	<1	11	25	39	50	51	52	54	56	59	62	66	>99
		is 10% less than 2020	0	<1	2	14	27	43	46	48	49	50	51	52	54	>99
	in 2023	is less than 2020	0	<1	13	27	41	50	51	52	54	56	58	61	65	>99
		is 10% less than 2020	0	<1	4	16	30	45	47	48	49	50	51	52	54	>99
Fishery Status (Fishing intensity)	in 2020	is above F _{46%}	0	<1	7	22	31	48	50	51	53	55	57	60	64	>99



Evening presentation

4 Dec 2019 5:30-7:00 King Salmon Room

Dr Ian Stewart will present:

- Stock status of Pacific halibut (2019)
- Preliminary harvest decision table (2020)
- Preliminary mortality projections

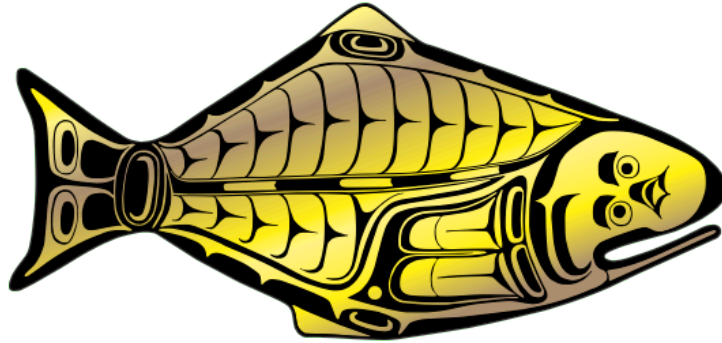


96th Session of the IPHC Annual Meeting (AM096)

- Dates: 3-7 February 2020
- Venue: Hotel Captain Cook (Anchorage)
- Documents:
<https://www.iphc.int/venues/details/96th-session-of-the-iphc-annual-meeting-am096>
- Document deadline: 4 January 2020



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