



INTERNATIONAL PACIFIC



HALIBUT COMMISSION

Fishery Statistics 2019

Agenda Item 5

IPHC-2020-AM096-05 Rev_2

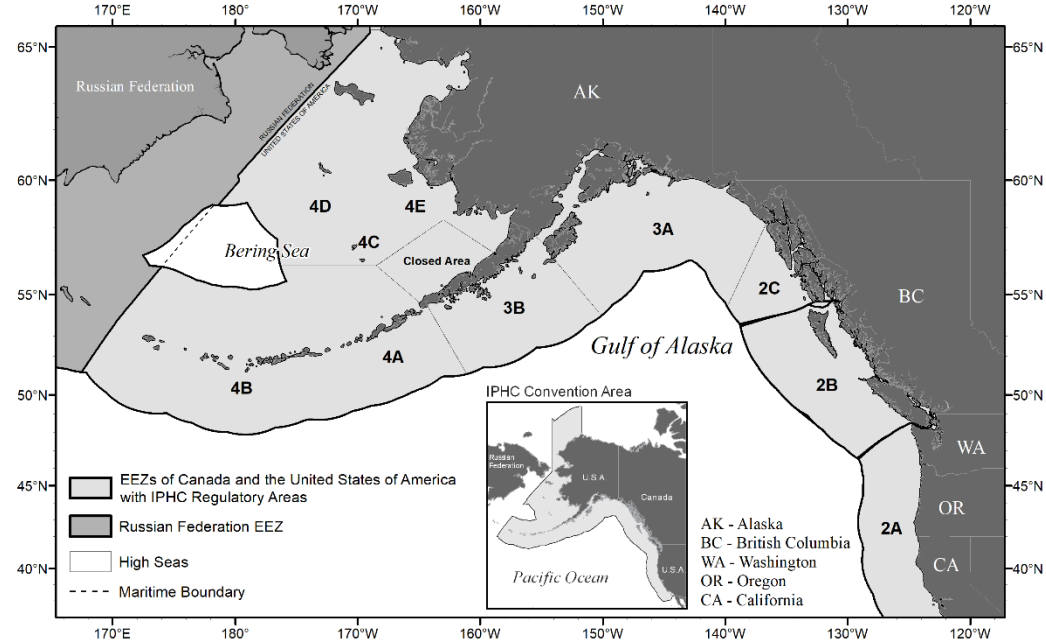
Overview

- Preliminary estimates
- Net weight
- Full year accounting

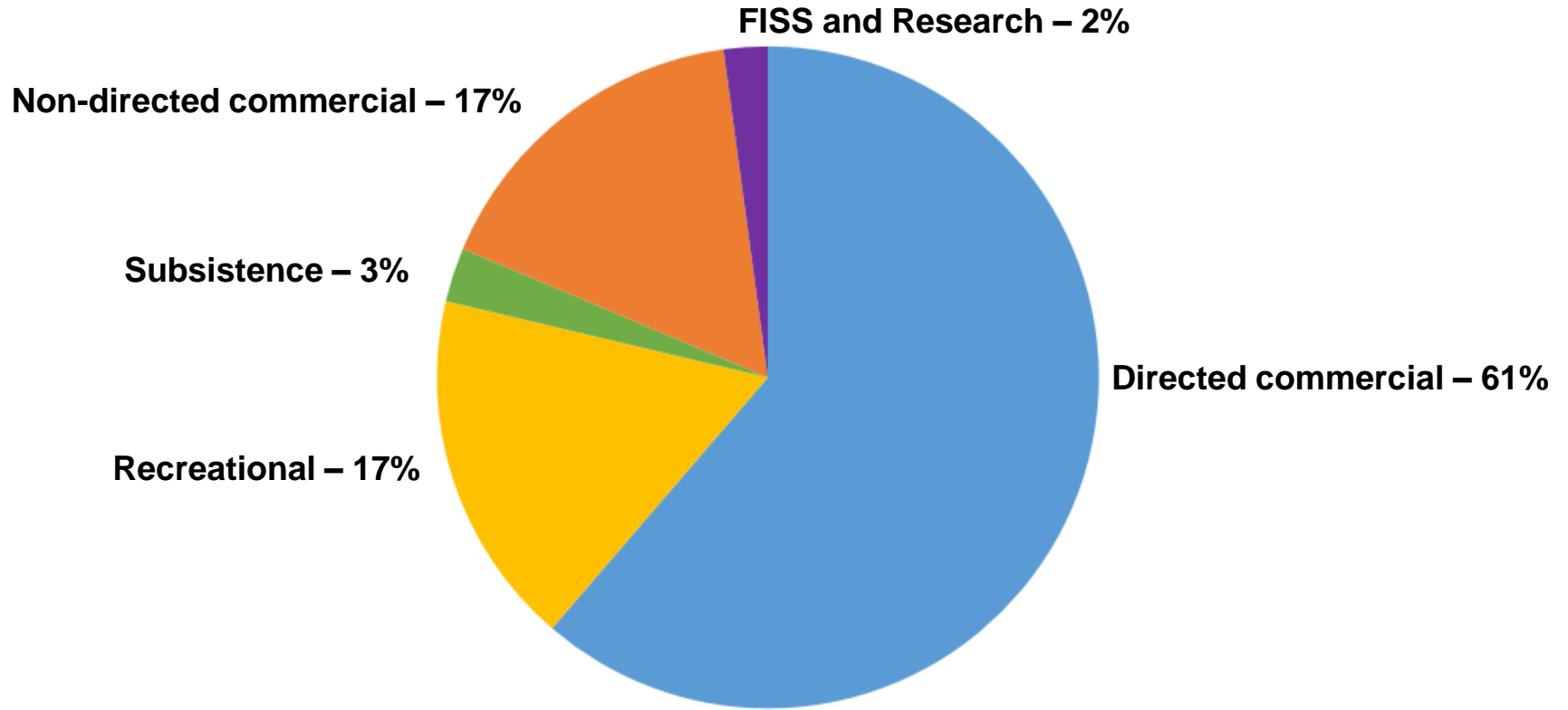
**2019 TOTAL
MORTALITY**

18,084 t

39.87 M lb



Total Pacific Halibut Mortality



Total Pacific Halibut Mortality

Fishery	2018			2019		
	tonnes	pounds	%	tonnes	pounds	%
Directed commercial (landings and discard mortality)	10,668	23,518,914	61	11,088	24,433,909	61
Recreational	3,140	6,922,515	18*	3,147	6,938,413	17*
Subsistence	480	1,058,219	3	479	1,060,241	3
Non-directed commercial discard mortality	2,771	6,109,009	16*	2,985	6,581,000	17*
IPHC FISS and research	376	828,938	2	388	854,948	2
Total	17,435	38,437,595	100	17,950	39,868,511	100

*Percentage of total (bottom row) for the given year – indicating slight shift of relative removals between the recreational fishery and the non-directed commercial discard mortality fishery from 2018 to 2019



Total Pacific Halibut Mortality

Contracting Party	Fishery limits (net weight)		Mortality (net weight)		Percent %
	Tonnes (t)	Pounds (lb)	Tonnes (t)	Pounds (lb)	
Canada	3,098	6,830,000	3,087	6,804,806	100
United States of America	14,415	31,780,000	14,267	31,453,705	99
IPHC Regulatory Area 2A	748	1,654,000	692	1,526,495	93
IPHC Regulatory Area 2C	2,876	6,340,000	2,771	6,109,710	96
IPHC Regulatory Area 3A	6,123	13,500,000	6,254	13,787,578	102
IPHC Regulatory Area 3B	1,315	2,900,000	1,324	2,917,958	101
IPHC Regulatory Area 4A	880	1,940,000	790	1,741,619	90
IPHC Regulatory Area 4B	658	1,450,000	541	1,193,777	82
IPHC Regulatory Area 4CDE and Closed Area	1,814	4,000,000	1,895	4,177,140	104
Subtotal (TCEY)	17,513	38,610,000	17,354	38,258,511	99
Non-directed commercial discard mortality (U26)	none	none	730	1,610,000	n/a
Total	none	none	18,084	39,868,511	n/a



2019 Directed Commercial – Canada (BC)

15 March to 14 November

Quota Share Fisheries

2,305 tonnes landed (5,081,145 pounds)

0.4% under fishery limit

- 2,313 tonnes or 5,100,000 pounds
- With XRQ removals **0.02% under fishery limit**

2018: 2,401 tonnes landed less than 1% under fishery limit



2019 Directed Commercial – USA (WA, OR, CA)

Treaty Indian directed commercial

- 224 tonnes landed (494,568 pounds)
- 0.5% under fishery limit of 225 tonnes (497,000 pounds)
- Several openers from 15 Mar to 24 Jul
 - *Unrestricted fishery*
 - 15 Mar to 15 May (55 hrs)
 - *Restricted fisheries*
 - 15 Mar to 15 May (84 hrs) 0.23 t, 500 lb
 - 20 May to 5 Jun (72 hrs) 0.23 t, 500 lb
 - *Late season/Mop-Up fishery*
 - 11 Jun to 24 Jul (0.15 t, 327 lb per tribe)

Directed commercial

- 115 tonnes landed (252,761 pounds)
- 1% under fishery limit of 115 tonnes (254,426 pounds)
- Three 10-hr “derby” fishing periods (26 Jun, 10 Jul, 24 Jul)



2019 Directed Commercial – USA (WA, OR, CA)

Incidental commercial catch in salmon troll fishery

- 20 tonnes landed (43,417 pounds)
- **3% under fishery limit** of 20 tonnes (44,899 pounds)
- Open 20 Apr – 30 Sep (WA, CA)
- Open 20 Apr – 31 Oct (OR)
- Four in-season actions – landing ratio and trip maximum
 - 1:2 plus 1, max 10 → 1:2 plus 1, max 35 (1 May) → 1:2 plus 1, max 15 (1 Jul) → 1:2 plus 1, max 4 (19 Jul) → 1:2 plus 1, max 2 (29 Jul)

Incidental commercial catch in sablefish fishery

- 36 tonnes landed (79,360 pounds)
- **13% over fishery limit** of 32 tonnes (70,000 pounds)
- Open 1 Apr – 31 Oct
- One in-season action – landing ratio
 - 200:1000, plus 2 → 250:1000, plus 2 (2 Aug)



2019 Directed Commercial – USA (AK)

15 March to 14 November

Quota Share Fisheries

7,926 tonnes landed (17,472,795 pounds)

8% under fishery limit

– 8,573 tonnes or 18,900,000 pounds

2018: 7,575 tonnes landed at 5% under fishery limit

Annette Island Reserve Fisheries

IPHC REGULATORY AREA 2C

- no catch limit
- **13 tonnes landed** (27,863 Mlb)
- 14 two-day fishing periods between 29 March and 29 September



Photo by Kamala Carroll



2019 Recreational – Canada (BC)

372 tonnes landed (819,085 pounds)

2% under fishery limit

- 381 tonnes or 840,000 pounds

Tidal license fishery (1 Feb):

- Max length of 126 cm
- Possession limit 1 Pacific halibut 90 to 126 cm; or 2 Pacific halibut less than 90 cm
- Annual limit 6 per license holder



Photo by Edward Henry

Experimental Recreational Quota (XRQ) – leased from the Commercial Quota Fishery

- **8 tonnes landed** (18,000 lb)



2019 Recreational – USA (WA, OR, CA)

203 tonnes landed (448,298 pounds)

16% under fishery limit

– 275 tonnes or 605,675 pounds

California

8 tonnes (17,968 pounds) at 46%

Oregon

73 tonnes (160,306 pounds) at 55%

Washington

122 tonnes (270,024 pounds) at 97%



Photo by Edward Henry



2019 Recreational – USA (AK)

All areas open 1 Feb - 31 Dec – projected values

IPHC Regulatory Area 2C - charter sector (guided)

- Removals at 303 tonnes (667,000 pounds)
- **19% under fishery limit**
 - 372 tonnes (820,000 pounds)
- Daily bag limit of 1 fish
- Reverse slot limit
 - total length \leq 38 inches or \geq 80 inches

Guided Angler Fish (GAF) – leased from the Commercial Quota Fishery

- **34 tonnes landed** (75,039 pounds)



2019 Recreational – USA (AK)

All areas open 1 Feb - 31 Dec – projected values

IPHC Regulatory Area 3A – charter sector (guided)

- **Removals at 916 tonnes** (2,019,000 pounds)
- **7% over fishery limit**
 - 857 tonnes (1,890,000 pounds)
- Daily bag limit of 2 fish
- Max size limit for second fish of 28 inches
- Each vessel limited to 1 trip per day
- Closed Wednesdays
 - and 16 Jul, 23 Jul, 30 Jul, 6 Aug and 13 Aug
- Annual limit of 4 fish



Guided Angler Fish (GAF)– leased from the Commercial Quota Fishery

- **5 tonnes landed** (10,652 pounds)



2019 Recreational – USA (AK)

All areas open 1 Feb - 31 Dec – projected values

Private anglers (unguided) in all areas

- **Removals at 1,285 tonnes** (2,833,000 pounds) with no fishery limit
 - IPHC Regulatory Area 2C – 522 tonnes (1,151,000 pounds)
 - IPHC Regulatory Area 3A – 755 tonnes (1,664,000 pounds)
- 2 fish daily bag limit
- No size restrictions
- No annual limit



2019 Subsistence Fisheries – All Areas

1 January to 31 December

2007 estimate carried over for Canada

2018 estimates carried over for USA

TOTAL REMOVALS

- 479 tonnes (1,056,041 pounds)
- 529 tonnes (1,167,000 pounds) in 2017

CANADA

- 184 tonnes (405,000 pounds)
- 136 tonnes (300,000 pounds) in 2006

USA – WA, OR AND CA

- 15 tonnes (32,200 pounds)
- 13 tonnes (28,000 pounds) in 2018

USA – AK

- 283 tonnes (623,041 pounds)
- 333 tonnes (734,578 pounds) in 2017



2019 Non-directed Discard Mortality All Areas

1 January to 31 December – Preliminary estimates

TOTAL – 2,985 tonnes (6,581,000 pounds)
– 2,771 t (6,110,000 pounds) in 2018

CANADA

– 108 tonnes (239,000 pounds)

USA – WA, OR AND CA

– 57 tonnes (126,000 pounds)

USA – AK

– 2,820 tonnes (6,216,000 pounds)



2019 FISS and Research – All Areas

TOTAL – 388 tonnes (854,948 pounds)

CANADA – BC

– 38 tonnes

– 83,943 pounds

USA – WA, OR AND CA

– 8 tonnes

– 17,185 pounds

USA – AK

– 342 tonnes

– 753,820 pounds



Photo by Caroline Robinson



Total Pacific Halibut Mortality

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Pacific Halibut Mortality in Excess – USA

Contracting Party	Fishery limits (net weight)		Mortality (net weight)		Percent %
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Pacific Halibut Mortality in Excess – Canada

Fishery	Mortality projection		2019 Mortality		
	tonnes	pounds	tonnes	pounds	Percent
Directed commercial discard mortality	59	130,000	64	140,000	108



Pacific Halibut Mortality in Excess – USA

Fishery	IPHC Regulatory Area	Mortality limit or projection		2019 Mortality		
		tonnes	pounds	tonnes	pounds	percent
Directed commercial	2A – Incidental Sablefish	32	70,000	36	79,360	113
	2A – discard mortality	9	20,000	13	29,000	145
	2C – discard mortality	27	60,000	36	80,000	133
	3A – discard mortality	141	310,000	160	353,000	114
	4A – discard mortality	41	90,000	47	104,000	116
	4B – discard mortality	9	20,000	17	38,000	190
	4CDE – discard mortality	18	40,000	34	75,000	188



Pacific Halibut Mortality in Excess – USA

Fishery	IPHC Regulatory Area	Mortality limit or projection		2019 Mortality		
		tonnes	pounds	tonnes	pounds	percent
Recreational	3A – guided	857	1,890,000	916	2,019,000	107
	4A	5	10,000	6	14,000	140
Subsistence	3B	5	10,000	8	16,644	166
	4A	5	10,000	6	13,237	132
	4B	0	0	<1	1,684	n/a



Pacific Halibut Mortality in Excess – USA

Fishery	IPHC Regulatory Area	Mortality limit or projection		2019 Mortality		
		tonnes	pounds	tonnes	pounds	Percent
Non-directed commercial O26 discard mortality	2C	14	30,000	41	91,000	303
	3A	581	1,280,000	623	1,373,000	107
	3B	163	360,000	189	416,000	116
	4A	82	180,000	91	200,000	111
	4CDE & Closed	848	1,870,000	1,090	2,404,000	129



Concerns with Mortality Estimates

Directed Commercial – U.S.A.

- Discard mortality in Alaska
 - inaccurate mean fish weight
 - No observer coverage for vessels less than 40 feet
 - Hook and line observer coverage is low (12% to 15%) in GOA and Bering Sea

Recreational – Canada and U.S.A

- Self reporting of lodges in BC and AK

Subsistence – Canada and U.S.A.

- Roll over since 2007 (Canada) and 2018 (U.S.A)

Non-directed commercial discard in other fisheries – U.S.A.

- Hook and line observer coverage is low (12% to 15%) in GOA and Bering Sea
- Non-pelagic trawl catcher vessel observer coverage is low (13%) in GOA
- Challenges with tendered versus non-tendered deliveries



2019 Port Highlights

Canada

- Adding collection of marine mammal details to logbook – agreement with USA logbooks

USA(AK)

- Dockside surveys in Homer, Sitka, Seward and Juneau to evaluate most common discard practices used recreationally. Survey results will be used to help design field experiment in the Spring of 2020 intended to provide estimates of discard mortality rates in the recreational fishery.



2019 Port Highlights



Head-on requirement

- Implemented in 2017
- Fresh landings with head off
 - none in USA (2017 to 2019)
 - Canada
 - **10 tonnes (22,597 lb or 0.4%) 2019**
 - **5 tonnes (11,821 lb or 0.2%) 2018**
 - **3 tonnes (6,186 lb or 0.1%) 2017**
- Frozen landings with head off
 - none in USA (2017 to 2019)
 - Canada
 - 37 tonnes (81,010 lb or 1%) 2019
 - 42 tonnes (92,148 lb or 2%) 2018
 - 36 tonnes (78,583 lb or 1%) 2017
- Challenges for industry
 - matching head-off weight (prices) to IFQ weight



2019 Updates

Use of pot gear

- Implemented in USA in 2017
- Landings with pot gear
 - Canada – n/a
 - USA (AK)
 - 29 tonnes (63,701 lb or 0.3%) 2019
 - 23 tonnes (49,983 lb or 0.3%) 2018
 - 12 tonnes (27,025 lb or 0.1%) 2017
- Logs with pot gear
 - Canada
 - None in 2019
 - None in 2018
 - <1 tonne (<100 lb or 0.1%) 2017
 - USA (AK)
 - 23 tonnes (50,994 lb or 0.3%) 2019
 - 22 tonnes (49,308 lb or 0.3%) 2018
 - 12 tonnes (26,813 lb or 0.1%) 2017
- Challenges for industry
 - USA
 - Adjusting to NOAA Fisheries logbook regulations
 - Extended to the Bering Sea



2019 IPHC PORT SAMPLERS



Lisa Vitale
St. Paul



Jessica Marx
Homer



Binget Nilsson
Seward



Michele Drummond
Juneau



Darlene Haugan
Prince Rupert



Tachi Sopow
Sitka



Levy Boitor
Petersburg



Dave Jackson
Kodiak



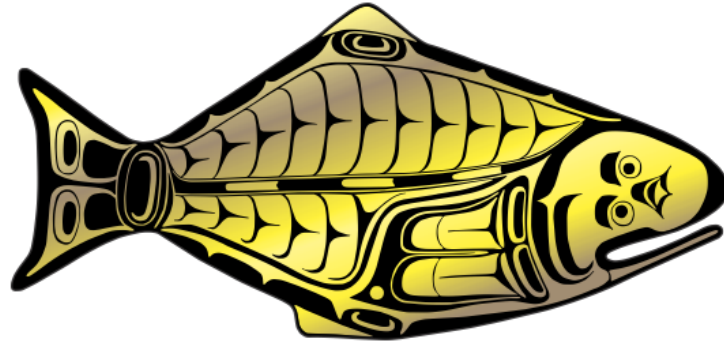
Jenni Rogge
Dutch Harbor



Chelsea Hutton
Port Hardy



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