

INTERNATIONAL PACIFIC



HALIBUT COMMISSION

Fisheries Data Overview (2021)

Agenda Item 4

IPHC-2022-AM098-06 Rev_2

(T. Kong)



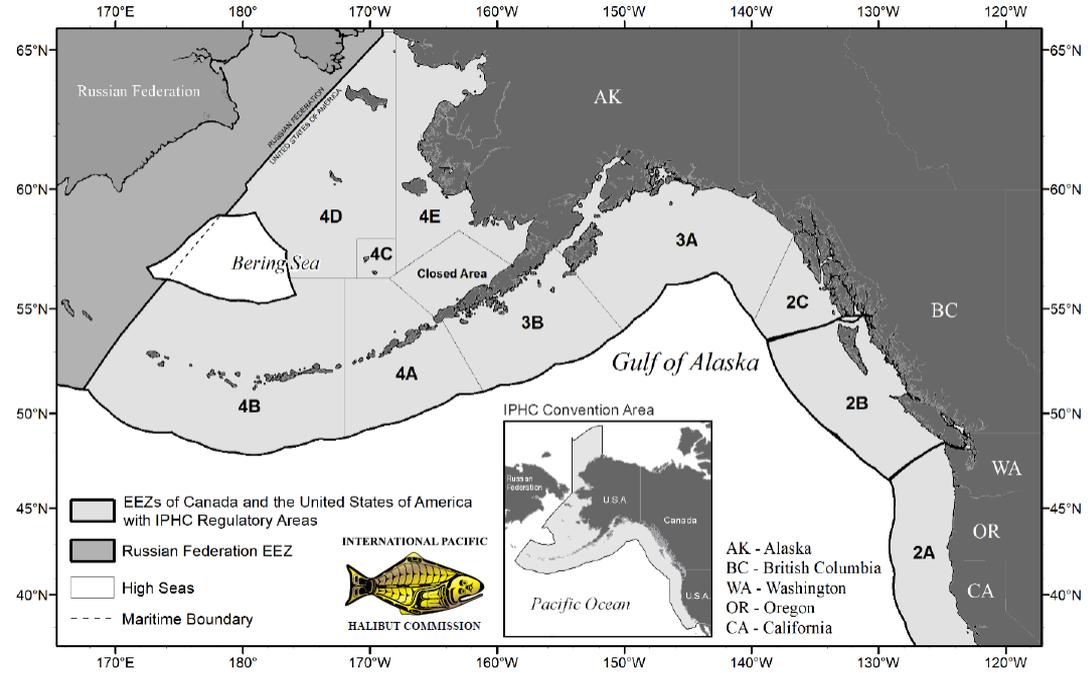
Overview

- Estimates for some sectors
- Net weight

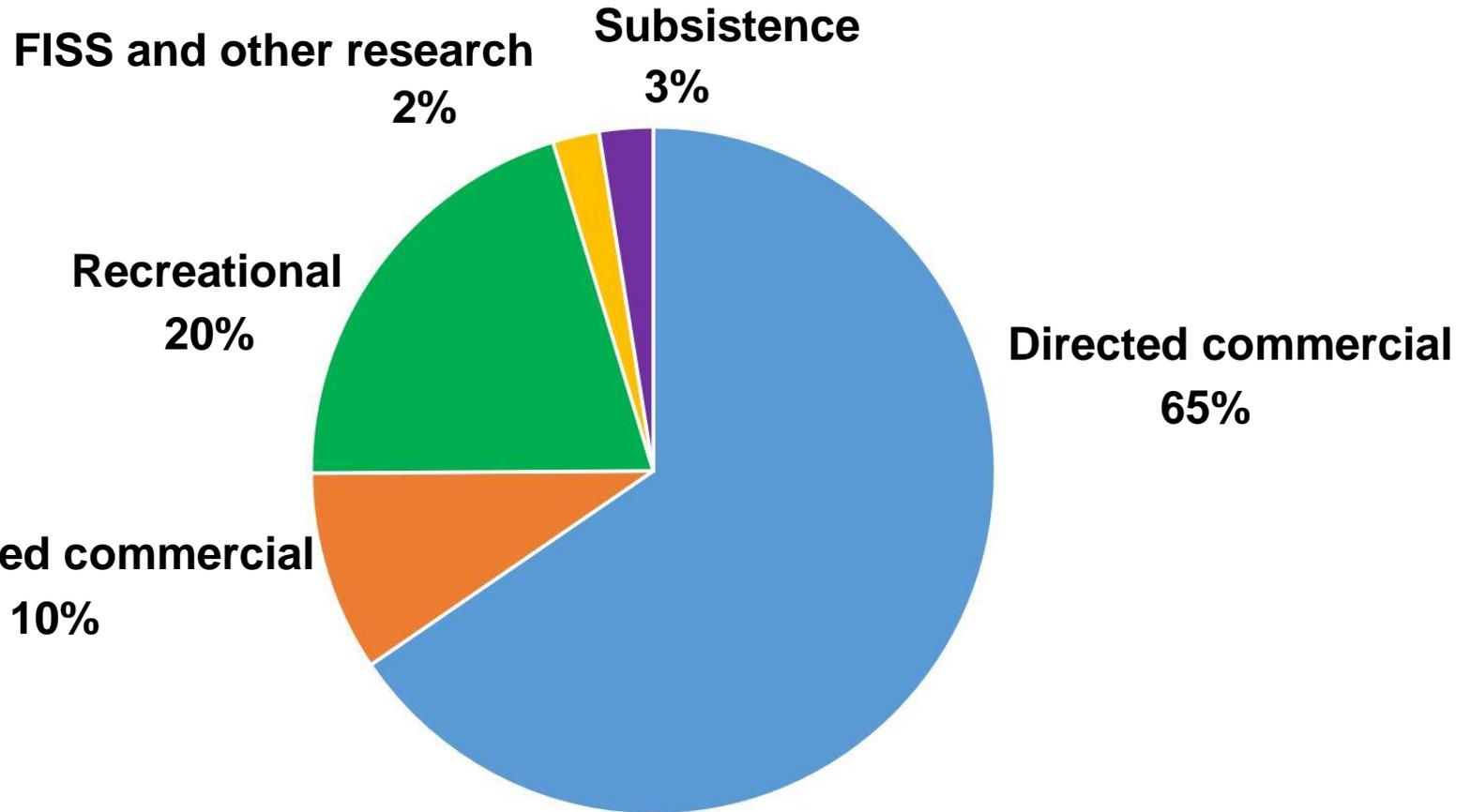
**2021 TOTAL
MORTALITY**

17,306 tonnes

38.15 million pounds



Pacific Halibut Mortality



Pacific Halibut Removals

	2020			2021		
	tonnes	pounds	%	tonnes	pounds	%
Directed commercial (landings and discard mortality)	10,115	22,299,598	65	11,312	24,938,547	65
Recreational	2,432	5,361,154	16*	3,460	7,628,604	20*
Subsistence	444	978,932	3	440	970,126	3
Non-directed commercial discard mortality	2,079	4,584,000	13*	1,721	3,793,000	10*
IPHC FISS and research	402	886,603	3	373	822,916	2
Total	15,472	34,110,287	100	17,306	38,153,193	100

*Percentage of total (bottom row) for the given year – indicating shift of relative removals between the recreational and the non-directed commercial discard mortality fishery from 2020 to 2021



2021 Total Pacific Halibut Mortality

Contracting Party	Mortality limits (net weight)		Mortality (net weight)		Percent %
	Tonnes (t)	Pounds (lb)	Tonnes (t)	Pounds (lb)	
Canada - IPHC Regulatory Area 2B	3,175	7,000,000	3,134	6,909,511	99
United States of America	14,515	32,000,000	13,399	30,225,682	92
IPHC Regulatory Area 2A	748	1,650,000	655	1,445,042	88
IPHC Regulatory Area 2C	2,631	5,800,000	2,841	6,264,364	108
IPHC Regulatory Area 3A	6,350	14,000,000	6,313	13,917,384	99
IPHC Regulatory Area 3B	1,415	3,120,000	1,328	2,928,737	94
IPHC Regulatory Area 4A	930	2,050,000	804	1,771,799	86
IPHC Regulatory Area 4B	635	1,400,000	370	815,294	58
IPHC Regulatory Area 4CDE and Closed Area	1,805	3,980,000	1,084	2,390,810	60
IPHC Regulatory Area 4BCDE	(467)	(1,030,400)	314	692,252	67
Subtotal (TCEY)	17,690	39,000,000	16,844	37,134,193	95
Non-directed commercial discard mortality (U26)	567	1,250,000	462	1,019,000	82
Total	18,257	40,250,000	17,306	38,153,193	95



2021 Directed Commercial – Canada (BC)

6 March to 7 December

Quota Share Fishery

2,321 tonnes landed (5.1 million pounds)

2% under the fishery limit



2021 Directed Commercial – U.S.A. (WA/OR/CA)

Treaty Indian directed commercial

- Fishery limit = 225 tonnes (0.5 million pounds)
- Openers by tribe
 - *Unrestricted fisheries*
 - 6 March to 16 May
 - 55 hours
 - 19 May to 20 June
 - 24 hours
 - *Restricted fishery*
 - 6 March to 16 May
 - 102 hours
 - 0.2 tonnes (500 pounds) per day & 5 fishing days (max)
- **0% below** fishery limit (224 tonnes, 0.5 million pounds)

Directed commercial

- Fishery limit = 116 tonnes (0.3 million pounds)
- Three 58-hr fishing periods (22-24 June, 6-8 July, 20-22 July)
- **5% under** fishery limit (110 tonnes, 0.2 million pounds)



2021 Directed Commercial – U.S.A. (WA/OR/CA)

Incidental commercial landings with salmon troll fishery

- Fishery limit = 21 tonnes (0.05 million pounds)
- Open 1 April to 7 December
- No in-season limit action
 - 1:2 plus 1, max 35
- **59% under** fishery limit
 - (8 tonnes, 0.02 million pounds)

Incidental commercial landings with sablefish fishery

- Fishery limit = 32 tonnes (0.07 million pounds)
- Open 1 April to 7 December
- One in-season action
 - 250:1000 plus 2 ▶ 225:1000 plus 2 (1 June)
- **1% under** fishery limit (31 tonnes, 0.07 million pounds)



2021 Directed Commercial – U.S.A. (AK)

6 March to 7 December

Quota Share Fishery

Fishery Limit = 8,890 tonnes (19.6 million pounds)

8% under the fishery limit

(8,140 tonnes, 17.9 million pounds)



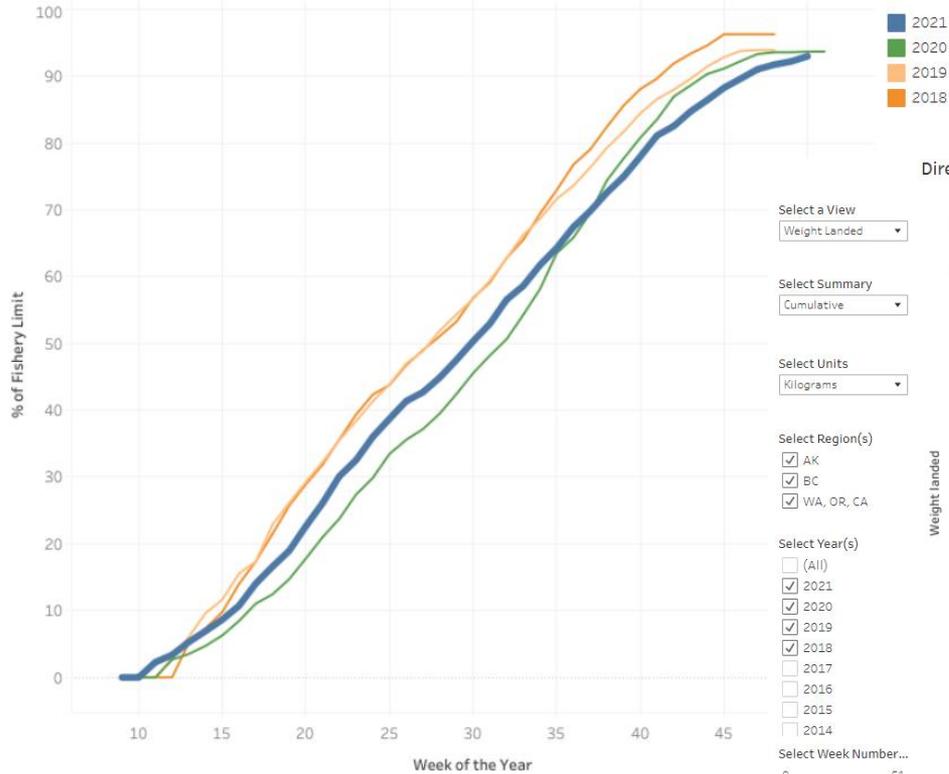
Annette Islands Reserve Fishery

IPHC REGULATORY AREA 2C

- **no fishery limit**
- **12 tonnes (0.03 million pounds) landed**
- 14 two-day openings between 12 March and 26 September



Percentage of Directed Commercial Pacific halibut fishery limit landed by week of year



Select a View
% of Fishery Limit

Select Summary
Cumulative

Select Units
Kilograms

Select Region(s)
 AK
 BC
 WA, OR, CA

Select Year(s)
 (All)
 2021
 2020
 2019
 2018
 2017
 2016
 2015
 2014

Select Week Number...
9 51

Select a View
Weight Landed

Select Summary
Cumulative

Select Units
Kilograms

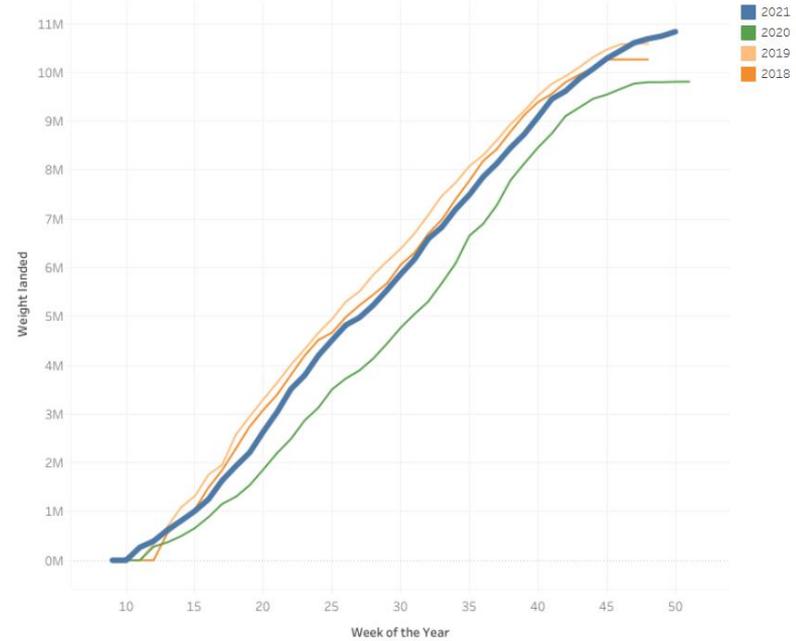
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 WA, OR, CA

Select Year(s)
 (All)
 2021
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 2019
 2018
 2017
 2016
 2015
 2014

Select Week Number...
9 51

Coastwide Year to date

Directed Commercial Pacific halibut weight landed by week of year



<https://www.iphc.int/data/landings-2021>

<https://www.iphc.int/data/year-to-date-directed-commercial-landing-patterns-ak-and-bc>



Percentage of Directed Commercial Pacific halibut fishery limit landed by week of year

Canada

Select a View
% of Fishery Limit

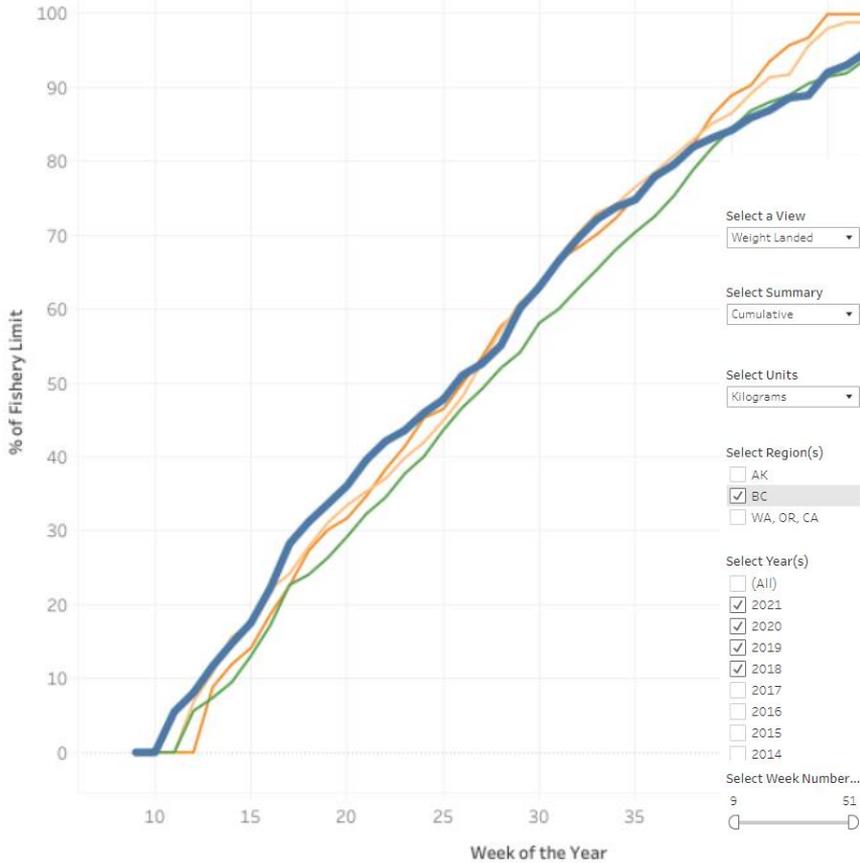
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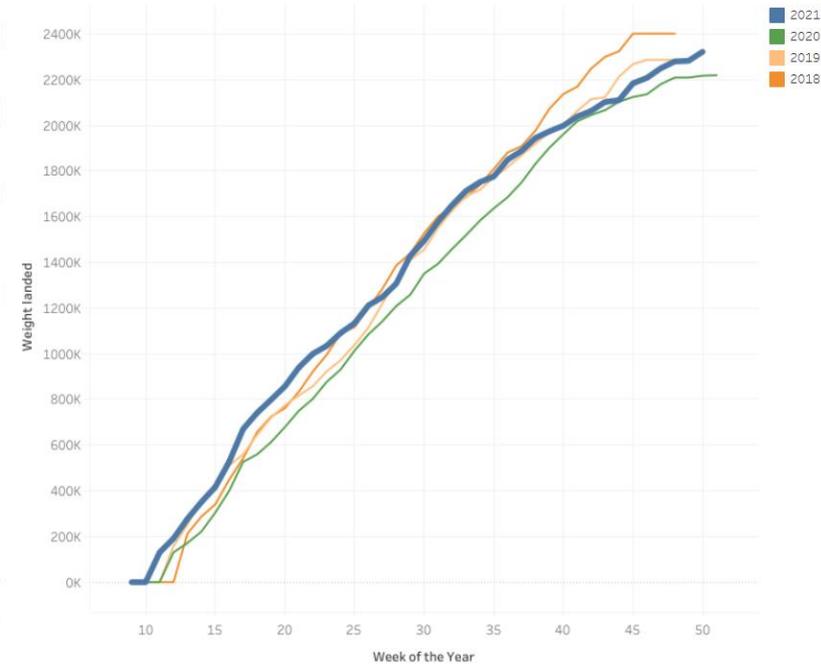
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Select Year(s)
 (All)
 2021
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 2016
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Select Week Number...
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Directed Commercial Pacific halibut weight landed by week of year



Percentage of Directed Commercial Pacific halibut fishery limit landed by week of year

U.S.A.: Alaska

Select a View
% of Fishery Limit

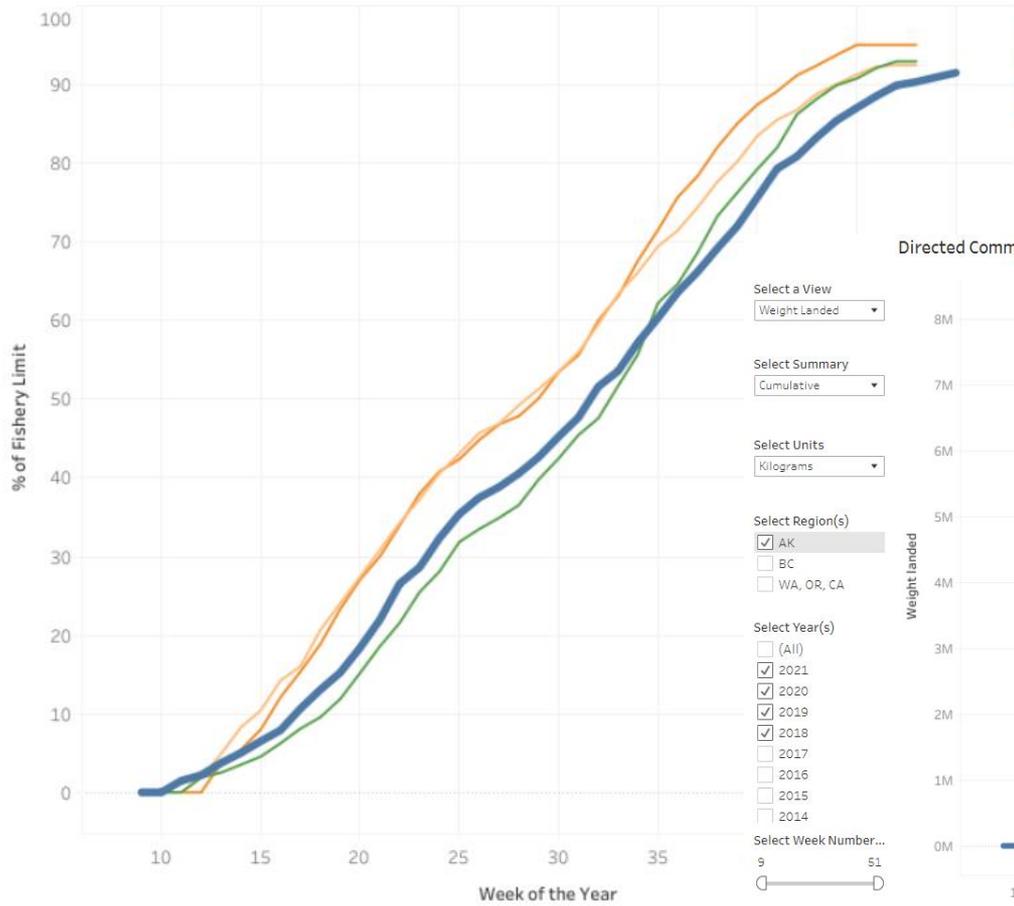
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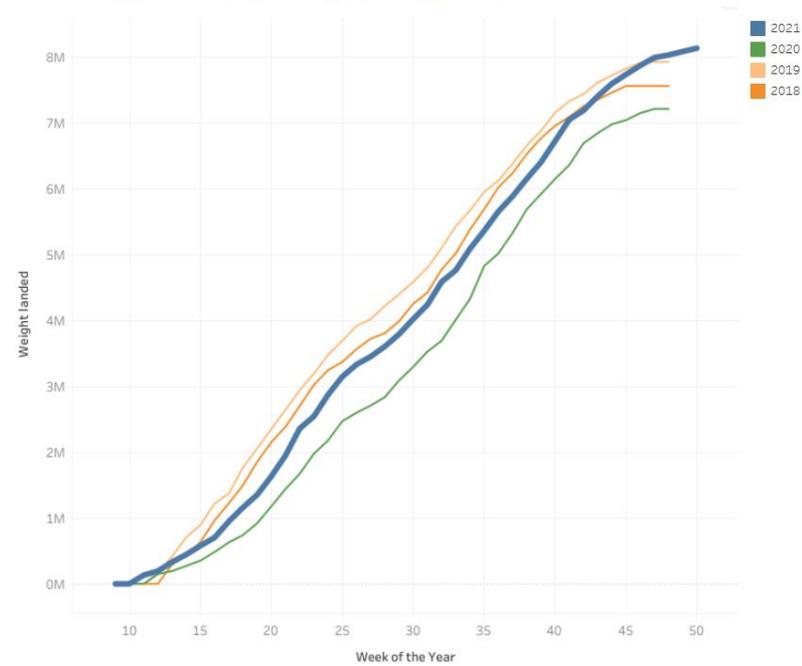
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Select Week Number...
 9 51



Directed Commercial Pacific halibut weight landed by week of year



2021 Recreational – Canada (BC)

Allocation = 417 tonnes (0.9 million pounds)

12% under the fishery limit (366 tonnes, 0.8 million pounds)

Tidal licence fishery (1 Mar):

- Max length of 126 cm
- Daily and possession limit of 1 Pacific halibut 90-126 cm
OR 2 Pacific halibut if both under 90 cm
- Annual limit 6 per licence holder
- **In-season action (1 April)**
 - Max length increased to 133 cm
 - Daily and possession limit of 1 Pacific halibut 90-133 cm
OR 2 Pacific halibut if both under 90 cm
 - Annual limit 10 per licence holder



Experimental Recreational Quota (XRQ)

- leased from the Commercial Quota Fishery
- estimated removals at 7 tonnes (0.02 million pounds)



2021 Recreational – U.S.A. (WA, OR, CA)

Allocation = 277 tonnes (0.6 million pounds)

33% under the fishery limit (184 tonnes, 0.4 million pounds)

California

34% under the fishery limit
(12 tonnes, 0.03 million pounds)

Oregon

55% under the fishery limit
(59 tonnes, 0.13 million pounds)

Washington

10% under the fishery limit
(114 tonnes, 0.25 million pounds)



2021 Recreational – U.S.A. (AK)

- All areas open 1 Feb - 31 Dec – projected values
- **IPHC Regulatory Area 2C - charter sector (guided)**
 - Allocation = 367 tonnes t (0.8 million pounds)
 - **42% over** fishery limit – 508 tonnes (1.1 million pounds)
 - Daily bag limit of 1 fish
 - Reverse slot limit
 - Fork length ≤ 50 inches or ≥ 72 inches
- Guided Angler Fish (GAF) – leased from the Commercial Quota Fishery
 - 35 tonnes landed (0.08 million pounds)



2021 Recreational – U.S.A. (AK)

All areas open 1 Feb - 31 Dec – projected values

IPHC Regulatory Area 3A – charter sector (guided)

- Allocation = 885 tonnes (1.95 million pounds)
- **26% over** fishery limit – 1,105 tonnes (2.44 million pounds)
- Daily bag limit of 2 fish
- Max size limit for second fish of 32 inches (81.3 cm)
- Each vessel limited to 1 trip per day
- Wednesday closures

Guided Angler Fish (GAF)

- Leased from the Commercial Quota Fishery
- 2 tonnes landed (0.003 million pounds)



2021 Recreational – U.S.A. (AK)

All areas open 1 Feb - 31 Dec – projected values

Private anglers (unguided) in all areas

- Removals at 1,209 tonnes (2.7 million pounds) with no fishery limit
 - IPHC Regulatory Area 2C – 494 tonnes (1.1 million pounds)
 - IPHC Regulatory Area 3A – 715 tonnes (1.6 million pounds)
- Possession limit 2 fish daily bag limit
- No size restrictions
- No annual limit



2021 Subsistence Fisheries – All Areas

1 January to 31 December

2007 estimate carried over for Canada

2020 estimates carried over for U.S.A. (Alaska only)

TOTAL REMOVALS

– 440 tonnes (0.97 million pounds)

CANADA

– 184 tonnes (0.41 million pounds)

– 136 tonnes (0.30 million pounds) in 2006

U.S.A. – WA, OR, AND CA

– 15 tonnes (0.03 million pounds)

– 18 tonnes (0.04 million pounds) in 2020

U.S.A. – AK

– 242 tonnes (0.53 million pounds)

– 242 tonnes (0.53 million pounds) in 2020



Non-directed Commercial Discard Mortality 2021

1 January to 31 December

TOTAL – 1,721 tonnes (3.79 million pounds)

CANADA

– 112 tonnes (0.25 million pounds)

U.S.A. – WA, OR AND CA

– 44 tonnes (0.10 million pounds)

U.S.A. – AK

– 1,564 tonnes (3.45 million pounds)



Pacific Halibut Mortality in Excess – Canada

Fishery	Mortality projection		2021 Mortality		
	tonnes	pounds	tonnes	pounds	Percent
Directed commercial discard mortality ¹	77	170,000	82	181,000	106
Non-directed commercial discard mortality (U26) ¹	14	30,000	14	31,000	103

¹Mortality projection – not part of the Fishery Constant Exploitation Yield



Pacific Halibut Mortality in Excess – U.S.A.

Fishery	IPHC Regulatory Area	Mortality limit or projection		2021 Mortality		
		tonnes	pounds	tonnes	Pounds	percent
Directed commercial discard mortality	2A ¹	14	30,000	32	71,000	237
	2C ²	32	70,000	61	135,000	193
	3A ²	109	240,000	176	387,000	161
	3B ¹	50	110,000	63	139,000	126
Recreational	2C – Guided ²	367	810,000	508	1,119,116	142
	2C – Unguided ¹	426	940,000	486	1,071,000	116
	3A – Guided ²	885	1,950,000	1,105	2,436,437	126
	3A – Unguided ¹	694	1,530,000	704	1,552,032	103

¹Mortality projection – not part of the Fishery Constant Exploitation Yield

²Mortality limit – part of the Fishery Constant Exploitation Yield



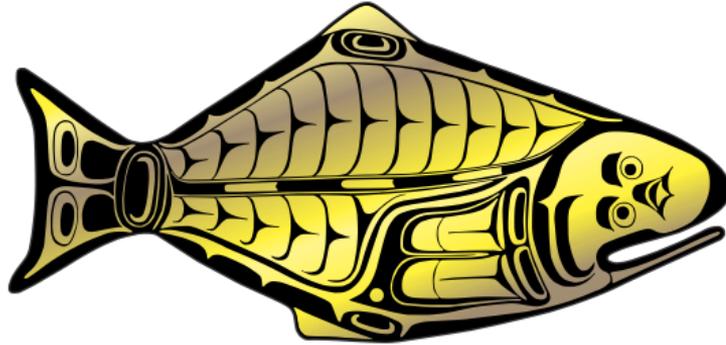
Pacific Halibut Mortality in Excess – U.S.A.

Fishery	IPHC Regulatory Area	Mortality limit or projection		2021 Mortality		
		tonnes	pounds	tonnes	pounds	percent
Subsistence	4A ¹	5	10,000	6	12,118	121
	4B ¹	0	0	0.5	987	n/a
Non-directed commercial discard mortality (U26)	2A ¹	0	0	2	4,000	n/a
	3B ¹	27	60,000	32	70,000	117
	4A ¹	36	80,000	44	97,000	121
	4B ¹	5	10,000	6	14,000	140

¹Mortality projection – not part of the Fishery Constant Exploitation Yield



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