



South Coast Assessment Bulletin June 2024 Creel Survey Update Recreational Fishery South Coast Tidal Waters

Overview:

This bulletin provides a monthly update on estimates of recreational fin-fishing effort and catch in the marine waters of southern British Columbia, within Pacific Fishery Management Areas 11 - 29, 111, and 121 - 127. These estimates are generated from data collected by the DFO's South Coast Creel Survey. An overview of the survey, the study area, and methods used to collect data and generate these estimates is provided in the first bulletin of 2024, available on the Federal Science Library catalogue:

<http://science-libraries.canada.ca/eng/home/>

The search term 'South Coast assessment bulletin, creel survey' is helpful to find the bulletins.

The estimates presented in this bulletin are based on in-season data and should be interpreted as preliminary and subject to revision as the data are finalized.

Recreational Fishery Links:

It is the responsibility of all fishers to be familiar with the current regulations prior to fishing. Information on regulations and management measures in place can be accessed from the Fisheries and Oceans Canada Pacific Region Recreational Fishery webpage:

<http://www.pac.dfo-mpo.gc.ca/fm-gp/rec/index-eng.html>

In addition, Fisheries and Oceans fishery notices of in-season regulation updates can be viewed here:

<http://notices.dfo-mpo.gc.ca/fns-sap/index-eng.cfm>

Creel Survey Data:

A summary of survey statistics and preliminary recreation effort, measured in boat trips, by Pacific Fishery Management Area (PFMA) are presented in Table 1. Maps identifying the PFMA's are available by following the link provided above to the Fisheries and Oceans Canada Pacific Region Recreational Fishery webpage.

Cumulative totals are calculated from June.

Recreational Catch Estimates:

Summaries of preliminary kept and released catch estimates for key species by PFMA are presented in Tables 2 through 5. Table 6 presents kept Chinook catch estimates by Pacific Fishery Management Area, divided into Aggregate Abundance-based Management (AABM) and Individual Stock-based Management (ISBM) groupings.

Note:

As of March 2022, catch and effort estimates for the creel sub-areas within the management corridor along the west coast of Vancouver Island (i.e. 1 nm seaward from the surfline, from Barkley to Quatsino) are included as part of the associated offshore PFMA, with the exception of Chinook AABM/ISBM catch estimates (Table 6) as per the Pacific Salmon Treaty.

During overflights in PFMA's 24, 124, 25, and 125, Five Nations vessels are indistinguishable from sport vessels. Current in-season estimates are not adjusted to remove Five Nations effort.

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Table 1: Creel survey statistics (number of interviews and flights) and preliminary effort estimates (number of boat trips) by Pacific Fishery Management Area, June 2024.

Pacific Fishery Management Area (PFMA)	Number of Creel Interviews	Number of Effort Count Flights ¹	Effort			
			Estimate	%SE ²	Year to date ³	Year to date 5-yr avg
11	104	6	509	21%	509	379
111	42	6	424	9%	424	303
12	172	6	580	17%	580	685
13	152	8	2084	10%	2084	1718
14	113	8	2396	16%	2396	1635
15	71	8	1861	12%	1861	975
16	29	8	1534	11%	1534	1172
17	160	8	1799	14%	1799	1344
18	19	8	837	15%	837	731
19	91	8	1580	14%	1580	1198
20	307	11	3133	15%	3133	1784
21	107	8	220	29%	220	226
121	112	8	239	20%	239	359
23	575	12	5316	15%	5316	3739
123	145	9	623	17%	623	451
24	46	8	300	20%	300	230
124	123	8	526	24%	526	404
25	163	6	816	19%	816	785
125	73	8	1008	19%	1008	739
26	Based on Logbooks	6	566	0%	566	476
126	Based on Logbooks	6	322	0%	322	343
27	112	6	743	16%	743	720
127	59	6	526	17%	526	244
28	68	8	1214	13%	1214	696
29	49	8	1552	16%	1552	1214
Total ⁴	2914		30708	4%	30708	22550

¹ The number of flights where weather conditions allowed effort counts.

² %SE is a measure of uncertainty: one Standard Error as a percentage of the estimate.

³ Cumulative effort (from June 2024) to date summed across periods where surveys are active.

⁴ Individual flights cover multiple PFMAs, so an additive total is not appropriate.

Table 2: Preliminary recreational kept catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), June 2024. Percent standard error (%SE; one standard error as a percentage of the estimate), a measure of uncertainty, is indicated for estimates from PFMAs where they are calculated in-season.

Pacific Fishery Management Area (PFMA)	Chinook				Coho				Sockeye			
	Estimate	%SE	Year to date ¹	Year to date 5-yr. average ¹	Estimate	%SE	Year to date ¹	Year to date 5-yr. average ¹	Estimate	%SE	Year to date ¹	Year to date 5-yr. average ¹
11	1640	18%	1640	903								
111	1816	12%	1816	778								
12	284	54%	284	196								
13	223	32%	223	544	1882	16%	1882	231				
14					2932	18%	2932	603				
15	1741	23%	1741	1196	274	61%	274	146				
16					1879	31%	1879	60				
17	117	38%	117	9	1634	22%	1634	402				
18												
19												
20	437	30%	437	67	728	44%	728	851				
21	1003	21%	1003	435								
121												
23	3676	11%	3676	3416	1878	15%	1878	445	15599	26%	15599	4048
123	704	20%	704	444								
24	155	33%	155	199								
124	177	24%	177	268								
25	2065	16%	2065	1088	506	26%	506	399				
125	1299	20%	1299	1017	370	33%	370	396				
26	1213		1213	907								
126												
27	1514	23%	1514	953	377	26%	377	333				
127												
28					623	22%	623	162				
29					1367	21%	1367	459				
Kept Total ²	18064	6%	18064	12420	14450	8%	14450	4487	15599	26%	15599	4048

¹Cumulative kept catch (from June 2024) to date summed across periods where surveys are active.

²Including only those areas with in-season estimates this month.

Table 3: Preliminary recreational released catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), June 2024. Percent standard error (%SE; one standard error as a percentage of the estimate), a measure of uncertainty, is indicated for estimates from PFMA's where they are calculated in-season.

Pacific Fishery Management Area (PFMA)	Chinook				Coho				Sockeye			
	Estimate	%SE	Year to date ¹	Year to date 5-yr. average ¹	Estimate	%SE	Year to date ¹	Year to date 5-yr. average ¹	Estimate	%SE	Year to date ¹	Year to date 5-yr. average ¹
11	570	25%	570	243	8	104%	8	3				
111	601	28%	601	172	0		0	6				
12	417	26%	417	531	72	62%	72	59				
13	3596	11%	3596	5614	9990	15%	9990	613				
14	7366	16%	7366	6311	10996	16%	10996	1935				
15	8269	18%	8269	3345	959	82%	959	405				
16	2964	23%	2964	835	5262	27%	5262	133				
17	2125	23%	2125	3053	3766	24%	3766	1320				
18	253	37%	253	203	50	56%	50	46				
19	337	32%	337	264	49	73%	49	78				
20	2772	26%	2772	1949	2136	49%	2136	2345				
21	64	50%	64	145	2	111%	2	17				
121	0		0	42	32	45%	32	127				
23	15564	12%	15564	9749	551	30%	551	209	752	23%	752	409
123	622	45%	622	460	80	35%	80	138				
24	15	109%	15	116	0		0	13				
124	13	62%	13	89	20	64%	20	5				
25	2674	21%	2674	1992	178	52%	178	281				
125	1256	28%	1256	2476	129	58%	129	354				
26	389		389	339	3		3	30				
126												
27	397	29%	397	592	167	53%	167	123				
127	4	131%	4	48	0		0	21				
28	2055	15%	2055	490	1713	31%	1713	204				
29	2691	21%	2691	2067	3474	29%	3474	771				
Released Total ²	55014	6%	55014	41125	39637	9%	39637	9236	752	23%	752	409

¹Cumulative released catch (from June 2024) to date summed across periods where surveys are active.

²Including only those areas with in-season estimates this month.

Table 4: Preliminary recreational kept catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), June 2024. Percent standard error (%SE; one standard error as a percentage of the estimate), a measure of uncertainty, is indicated for estimates from PFMAs where they are calculated in-season.

Pacific Fishery Management Area (PFMA)	Halibut				Lingcod				Rockfishes ¹			
	Estimate	%SE	Year to date ²	Year to date 5-yr. average ²	Estimate	%SE	Year to date ²	Year to date 5-yr. average ²	Estimate	%SE	Year to date ²	Year to date 5-yr. average ²
11	238	37%	238	225	798	34%	798	418	928	25%	928	682
111	180	43%	180	146	419	31%	419	145	768	22%	768	523
12	159	33%	159	182	140	39%	140	168	337	24%	337	371
13	9	53%	9	6	263	31%	263	385	247	31%	247	393
14	0		0	0	60	68%	60	193	108	54%	108	137
15	0		0	10	45	44%	45	257	61	59%	61	212
16	0		0	30	170	42%	170	181	167	28%	167	262
17	0		0	0	584	25%	584	183	352	41%	352	250
18	0		0	0	191	43%	191	89	53	55%	53	325
19	182	44%	182	220	251	35%	251	60	709	51%	709	381
20	112	40%	112	91	635	34%	635	209	1388	24%	1388	812
21	18	66%	18	35	55	53%	55	44	49	43%	49	139
121	707	21%	707	1193	177	32%	177	118	97	27%	97	272
23	58	62%	58	47	401	33%	401	295	936	27%	936	853
123	537	34%	537	351	409	35%	409	156	595	28%	595	304
24	0		0	18	63	65%	63	26	194	64%	194	146
124	1037	38%	1037	396	546	29%	546	226	268	30%	268	303
25	92	40%	92	117	353	51%	353	244	570	28%	570	346
125	400	29%	400	271	1531	22%	1531	872	476	30%	476	721
26	37		37	79	286		286	237	351		351	278
126	397		397	423	702		702	451	282		282	590
27	52	74%	52	106	168	55%	168	491	417	28%	417	526
127	403	38%	403	232	2274	27%	2274	614	1036	45%	1036	432
28	0		0	2	0		0	1	0		0	10
29	0		0	1	199	33%	199	153	31	64%	31	419
Kept Total ³	4618	13%	4618	4181	10720	9%	10720	6216	10420	9%	10420	9687

¹ All rockfishes including those not identified to species.

² Cumulative kept catch (from June 2024) to date summed across periods where surveys are active.

³ Including only those areas with in-season estimates this month.

Table 5: Preliminary recreational released catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), June 2024. Percent standard error (%SE; one standard error as a percentage of the estimate), a measure of uncertainty, is indicated for estimates from PFMA's where they are calculated in-season.

Pacific Fishery Management Area (PFMA)	Halibut				Lingcod				Rockfishes ¹			
	Estimate	%SE	Year to date ²	Year to date 5-yr. average ¹	Estimate	%SE	Year to date ²	Year to date 5-yr. average ²	Estimate	%SE	Year to date ²	Year to date 5-yr. average ¹
11	49	57%	49	58	336	55%	336	218	371	32%	371	487
111	53	45%	53	20	392	38%	392	279	483	46%	483	391
12	31	43%	31	33	187	42%	187	157	712	30%	712	969
13	0		0	1	1586	40%	1586	1612	384	33%	384	880
14	0		0	0	22	80%	22	478	629	57%	629	574
15	0		0	0	404	45%	404	672	324	40%	324	562
16	0		0	0	377	32%	377	396	1193	26%	1193	514
17	0		0	2	166	47%	166	537	300	40%	300	531
18	0		0	0	338	42%	338	206	526	53%	526	326
19	7	107%	7	59	742	27%	742	1198	571	40%	571	735
20	44	60%	44	14	1295	35%	1295	749	1518	46%	1518	896
21	0		0	4	10	106%	10	37	0		0	51
121	104	25%	104	223	52	39%	52	25	3	59%	3	78
23	45	104%	45	3	667	30%	667	568	382	30%	382	853
123	93	53%	93	57	589	35%	589	226	221	32%	221	184
24	0		0	0	16	107%	16	9	68	80%	68	393
124	79	51%	79	179	190	34%	190	74	101	31%	101	206
25	14	87%	14	14	126	65%	126	224	89	48%	89	296
125	28	76%	28	69	717	30%	717	857	270	29%	270	936
26	3		3	4	9		9	23	77		77	140
126	54		54	112	7		7	42	192		192	685
27	0		0	34	348	37%	348	201	560	44%	560	350
127	94	71%	94	28	542	33%	542	129	967	32%	967	318
28	0		0	0	3	128%	3	6	2	110%	2	85
29	0		0	0	133	49%	133	291	94	52%	94	260
Released Total ³	698	19%	698	914	9254	11%	9254	9214	10037	11%	10037	11700

¹ All rockfishes including those not identified to species.

² Cumulative released catch (from June 2024) to date summed across periods where surveys are active.

³ Including only those areas with in-season estimates this month.

Table 6: Preliminary recreational kept Chinook catch estimates (number of fish) by Pacific Fishery Management Area (PFMA), June 2024, divided into Aggregate Abundance-based Management (AABM) and Individual Stock-based Management (ISBM) groupings.

Area	Region	AABM			ISBM		
		Estimate	Year to date ¹	Year to date 5-yr. average ²	Estimate	Year to date ¹	Year to date 5-yr. average ²
121	Swiftsure Bank	0	0	0	0	0	0
123	Offshore Barkley	704	704	450	0	0	0
124	Offshore Clayoquot	177	177	400	0	0	0
125	Offshore Nootka	1299	1299	1250	0	0	0
126	Offshore Kyuquot	0	0	0	0	0	0
127	Offshore Quatsino	0	0	150	0	0	0
20 (West)	Juan de Fuca	0	0	0	0	0	0
21	Nitinat	1003	1003	450	0	0	0
23-1,2	Alberni Inlet	0	0	150	0	0	0
23-3 to 11	Barkley Sound	3676	3676	3400	0	0	0
24	Clayoquot Sound	155	155	250	0	0	0
25	Nootka Snd. / Esperanza Inlet	2065	2065	1100	0	0	0
26	Kyuquot Sound	1213	1213	1100	0	0	0
27	Quatsino Sound	1514	1514	950	0	0	0
Total		11806	11806	9650	0	0	0

¹Cumulative kept catch (from June 2024) to date summed across periods where surveys are active.

²Cumulative kept catch 5-year averages have been rounded to the nearest 50 fish.