



South Coast Assessment Bulletin August 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 to August inclusive.

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, August 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	55	5	794	25%	1713	1491
111	14	5	119	11%	807	701
12	430	5	2954	5%	6055	6984
13	361	10	7044	6%	19786	17029
14	412	10	7227	9%	17165	14292
15	151	10	2165	12%	7222	5217
16	75	10	1932	9%	7484	6876
17	243	10	5248	10%	10227	7635
18	56	10	2338	14%	4328	2746
19	287	10	4003	8%	7218	6183
20	1132	15	13930	5%	21463	20454
21	4	7	19	64%	356	484
121	125	7	640	32%	1339	1867
23	807	10	12961	6%	28592	20813
123	423	12	3208	11%	5144	5650
24	64	10	494	26%	1412	798
124	302	12	1220	16%	2936	2407
25	394	9	4188	11%	8929	9136
125	82	11	700	15%	3366	2669
26	Based on Logbooks	5	507	0%	2000	3000
126	Based on Logbooks	5	1022	0%	2372	2508
27	166	5	1202	20%	3094	3437
127	102	5	1021	7%	2333	1622
28	74	10	1936	9%	4335	3467
29	52	10	2722	12%	6512	6354
Total ⁴	5916		79594	2%	176188	153820

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), August 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	1343	29%	4168	2968	1052	28%	1463	928				
111	233	32%	2926	1739								
12	1532	10%	3021	2962	649	17%	3367	1944				
13	3945	9%	11813	15195	2568	13%	14382	2610				
14	8426	12%	15550	10194	2266	13%	10059	3063				
15	1133	25%	4030	3982	579	33%	2361	430				
16	365	29%	2348	2484	175	33%	4503	453				
17	2135	16%	2836	2195	3276	15%	7842	1892				
18	333	44%	376	228	110	81%	145	28				
19	2176	11%	2256	1435	159	44%	188	127				
20	18397	5%	20332	13662	5413	10%	9264	7259				
21												
121	2343	25%	3218	2969	2759	35%	3901	3211				
23	12526	8%	22403	22605	6465	10%	11152	7364	1627	20%	42450	13531
123	7143	12%	10164	12802	4689	18%	5234	3673				
24					1505	27%	2360	1028				
124	3002	15%	6725	3427	764	24%	1089	589				
25	6457	13%	15637	10127	2321	11%	3850	3679				
125	675	30%	4554	3165	360	48%	1796	1382				
26	1063		4078	4944	473		978	1340				
126	1286		1432	1107	422		450	97				
27	531	26%	3579	3019	1879	26%	3619	3099				
127	1955	16%	3126	1699	323	33%	446	532				
28	356	36%	444	641	808	24%	3210	687				
29	1065	18%	1181	2024	1472	18%	6180	2012				
Kept Total ²	78420	3%	146197	125573	40487	5%	97839	47427	1627	20%	42450	13531

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), August 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	401	34%	1525	1377	525	37%	599	337				
111	24	56%	1274	410	0		0	22				
12	3141	10%	6831	9013	7395	11%	10624	3377	5	113%	10	49
13	8263	9%	29228	38812	10545	11%	57380	9519	74	53%	74	156
14	8646	10%	30733	31356	10251	10%	36855	9713				
15	1740	23%	13623	11737	1965	23%	9529	1685	33	102%	33	22
16	817	26%	12373	7651	969	30%	20105	1413				
17	8081	20%	13145	21207	16567	12%	30699	6200				
18	953	35%	2006	1707	16	78%	335	364	11	103%	11	57
19	1554	19%	2700	2943	311	36%	563	404				
20	17791	9%	28191	31841	12289	11%	20764	22352	123	66%	159	302
21	0		90	231								
121	243	57%	297	1058	3713	42%	4482	4958				
23	17438	14%	57423	34287	1337	32%	3146	3637	252	46%	3394	1631
123	5818	16%	8129	9509	10840	19%	11616	8331	16	100%	16	5
24	21	125%	201	333	3	101%	102	206				
124	1151	21%	2678	1289	1727	25%	2291	1266				
25	2289	17%	8382	11912	421	32%	850	1683				
125	122	65%	2639	3443	135	46%	744	746				
26	314		984	1309	38		68	144				
126	516		557	398	628		677	146				
27	500	42%	1912	2742	1182	34%	2180	1707				
127	691	38%	982	444	1017	40%	1326	768				
28	1128	29%	3631	1300	1417	31%	6636	656				
29	3221	24%	7669	8263	6072	17%	19229	5444				
Released Total ²	84863	5%	237203	234572	89363	5%	240800	85078	514	29%	3697	2222

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), August 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 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	348	52%	894	631	608	38%	1993	1211	1149	27%	2869	2084
111	43	77%	320	407	66	75%	616	252	165	44%	1380	828
12	338	21%	901	976	197	26%	543	594	778	21%	1696	1729
13	9	101%	18	37	1150	16%	3129	2353	742	21%	1667	1911
14	29	63%	29	8	277	38%	477	576	661	24%	1515	889
15	0		0	26	21	47%	162	474	80	46%	297	495
16	0	161%	0	28	199	41%	556	1117	95	103%	519	1754
17	0		0	0	303	26%	1343	571	512	25%	1173	1308
18	0		0	0	512	40%	961	268	885	35%	1544	723
19	60	72%	383	486	126	43%	528	282	1088	28%	2463	1488
20	59	46%	226	261	747	24%	1625	1147	2592	13%	5088	4121
21	0		18	65	86	75%	164	77	58	94%	151	181
121	1214	34%	3070	5086	225	41%	540	589	248	32%	488	1052
23	180	77%	244	119	925	33%	1724	1147	739	32%	3045	2576
123	3208	22%	4622	5439	890	20%	1814	1382	1192	18%	2691	2764
24	0		0	33	38	59%	152	132	109	73%	322	269
124	859	19%	3185	1444	1152	57%	2507	1637	594	24%	1247	1196
25	64	43%	238	214	644	25%	1483	819	647	27%	2282	1647
125	451	32%	1781	812	1343	27%	5170	3270	421	25%	1914	2468
26	15		82	203	143		855	1300	417		1311	1608
126	717		2102	2315	1945		4711	4230	384		1400	4145
27	253	64%	355	457	257	58%	862	1521	908	27%	2112	1794
127	809	24%	1781	1556	2348	21%	7193	3920	1286	20%	3114	2050
28	0		0	2	0		0	7	0		0	10
29	0		0	1	36	61%	452	396	88	39%	321	660
Kept Total ³	8656	12%	20249	20606	14238	9%	39560	29272	15838	6%	40609	39750

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), August 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	43	103%	119	113	101	56%	581	532	646	35%	1710	1903
111	8	100%	71	34	34	65%	591	348	99	70%	959	674
12	100	31%	184	129	105	51%	423	579	1747	12%	3905	5075
13	0		0	31	3138	14%	7987	6150	1108	23%	3400	3760
14	0		0	1	437	44%	923	2641	1098	20%	2857	4127
15	0		13	2	219	35%	2049	1375	431	62%	1824	1508
16	0		18	0	462	28%	1992	2195	720	41%	2669	4010
17	0		0	10	480	34%	939	1414	551	29%	1083	2168
18	0		0	16	1318	32%	2425	1284	1083	37%	2105	1147
19	0		7	90	1388	33%	3697	3658	1458	39%	2836	2313
20	0		22	64	1321	20%	3123	3632	2509	23%	4915	4075
21	0		0	4	38	135%	68	38	0		0	95
121	52	61%	223	391	32	126%	173	123	18	116%	29	254
23	4	119%	49	17	977	29%	2234	1580	2626	31%	5786	2555
123	924	32%	1303	734	655	26%	1744	1376	897	22%	1572	1395
24	0		0	1	0		31	61	0		96	299
124	289	38%	676	225	269	53%	794	531	188	48%	466	607
25	0		39	18	171	41%	568	801	307	44%	1134	1696
125	0		554	148	205	46%	1498	1815	306	74%	1170	2284
26	3		18	43	1		37	95	242		380	760
126	188		588	586	60		174	221	164		760	2537
27	43	86%	43	117	81	45%	632	586	732	28%	1985	1961
127	255	51%	731	202	284	42%	1371	616	927	23%	2890	1815
28	0		0	0	9	68%	16	36	0		2	103
29	0		0	2	44	68%	360	761	54	36%	174	508
Released Total ³	1909	20%	4658	2978	11829	8%	34430	32448	17911	8%	44707	47629

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), August 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	2341	3216	2950	0	0	0
123	Offshore Barkley	3929	6950	7600	3214	3214	5200
124	Offshore Clayoquot	2267	5990	2500	735	735	950
125	Offshore Nootka	268	1903	1500	408	2651	1650
126	Offshore Kyuquot	1284	1430	1350	0	0	150
127	Offshore Quatsino	1874	2742	1400	0	384	300
20 (West)	Juan de Fuca	0	0	0	5808	6565	5950
21	Nitinat	0	1418	900	0	0	500
23-1,2	Alberni Inlet	0	0	150	2894	2894	6450
23-3 to 11	Barkley Sound	0	9877	7000	9632	9632	9100
24	Clayoquot Sound	0	365	450	0	0	0
25	Nootka Snd. / Esperanza Inlet	0	2065	1100	6457	13572	9050
26	Kyuquot Sound	0	1213	1100	1063	2864	4050
27	Quatsino Sound	0	1514	950	531	2064	2050
Total		11963	38683	28950	30742	44575	45400

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.