



South Coast Assessment Bulletin July 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 July 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, July 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	86	5	409	37%	919	955
111	35	6	264	36%	688	587
12	514	6	2521	19%	3101	3521
13	309	13	10658	3%	12742	8697
14	422	13	7543	6%	9939	6792
15	162	13	3196	9%	5057	3022
16	54	13	4018	9%	5552	4236
17	229	12	3179	8%	4979	4287
18	30	12	1153	9%	1990	1576
19	125	12	1635	10%	3216	2843
20	562	16	4561	13%	7533	7116
21	50	8	117	77%	337	374
121	178	9	460	23%	698	1278
23	677	13	10316	11%	15632	9127
123	287	9	1314	12%	1936	2676
24	50	9	618	17%	918	538
124	275	9	1190	12%	1716	1329
25	479	7	3925	16%	4741	4396
125	135	8	1658	24%	2666	2195
26	Based on Logbooks	5	927	0%	1494	1710
126	Based on Logbooks	5	1027	0%	1350	1473
27	228	5	1150	15%	1892	2034
127	150	5	786	18%	1312	1016
28	51	12	1186	5%	2399	1515
29	77	12	2237	11%	3790	3055
Total ⁴	5219		66048	3%	96597	76348

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), July 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	1185	28%	2825	2120	390	43%	410	417				
111	877	29%	2692	1526	160	49%	171	122				
12	1205	21%	1489	1379	2635	18%	2718	1593				
13	7644	8%	7867	7349	9932	7%	11814	1595				
14	7125	12%	7125	4441	4860	10%	7793	2199				
15	1156	18%	2897	2683	1507	15%	1781	342				
16	1983	16%	1983	1861	2449	17%	4328	286				
17	584	21%	700	1197	2932	18%	4565	1097				
18												
19												
20	1498	19%	1936	1109	3123	19%	3851	4113				
21	415	48%	1418	895								
121	875	22%	875	1298	1048	32%	1143	1974				
23	6200	10%	9877	7051	2809	14%	4687	3295	25225	20%	40824	12642
123	2317	11%	3021	5209	487	25%	545	1595				
24	210	31%	365	457	840	60%	855	527				
124	3547	12%	3723	1580	287	27%	325	355				
25	7115	13%	9180	5267	1022	27%	1528	1616				
125	2580	26%	3879	2785	1066	41%	1436	1242				
26	1801		3015	2989	408		505	527				
126	120		146	396								
27	1534	21%	3048	2407	1364	20%	1740	1666				
127	1108	25%	1171	925								
28					1779	15%	2402	381				
29	104	42%	116	272	3341	18%	4707	1586				
Kept Total ²	51183	4%	69348	55196	42439	4%	57304	26528	25225	20%	40824	12642

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), July 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	554	36%	1124	954	66	64%	74	93				
111	648	45%	1249	373	0		0	17				
12	3273	20%	3690	5404	3157	22%	3229	1483	5	124%	5	15
13	17369	8%	20965	23065	36846	7%	46836	4405				
14	14722	16%	22088	18116	15608	11%	26604	5736				
15	3614	15%	11883	7493	6605	16%	7564	948	0		0	1
16	8592	14%	11556	4992	13874	22%	19136	504	0		0	120
17	2939	17%	5064	14195	10366	18%	14132	3264				
18	800	23%	1053	632	269	43%	319	64				
19	808	26%	1145	832	202	51%	252	145				
20	7708	14%	10400	9936	6339	18%	8475	12301	36	101%	36	97
21	26	147%	90	207	15	202%	17	40				
121	54	55%	54	450	738	36%	770	3090				
23	24420	33%	39985	21751	1258	24%	1809	2334	2390	23%	3142	1191
123	1689	17%	2311	5070	695	37%	776	4184				
24	164	111%	179	264	98	73%	98	163				
124	1514	19%	1527	780	543	31%	564	585				
25	3420	12%	6094	7096	252	27%	430	929				
125	1261	35%	2517	3152	481	52%	610	670				
26	282		671	814	26		30	98				
126	41		41	223	49		49	62				
27	1015	31%	1412	1675	831	28%	998	957				
127	287	21%	291	281	309	46%	309	481				
28	448	32%	2503	908	3505	22%	5219	515				
29	1757	22%	4448	4587	9684	18%	13157	2830				
Released Total ²	97405	9%	152340	133250	111816	5%	151457	45898	2431	23%	3183	1424

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), July 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	308	43%	546	485	587	59%	1385	806	791	32%	1720	1345
111	97	53%	277	346	131	40%	550	203	447	41%	1215	748
12	404	33%	563	569	206	34%	346	422	579	28%	915	1052
13	0		9	23	1716	18%	1979	1368	679	20%	925	963
14	0		0	3	140	39%	200	324	747	23%	855	369
15	0		0	9	96	35%	141	379	156	33%	217	313
16	0		0	22	188	83%	358	788	255	33%	423	1048
17	0		0	0	456	24%	1040	370	309	37%	662	686
18	0		0	0	258	32%	449	181	607	32%	660	538
19	141	31%	323	419	151	41%	402	157	667	31%	1375	875
20	78	59%	167	176	450	29%	879	588	1310	19%	2495	1894
21	0		18	52	23	113%	79	68	44	63%	92	154
121	1149	24%	1856	3925	138	33%	315	311	140	22%	238	622
23	5	87%	64	87	399	25%	799	715	1371	17%	2305	1565
123	877	25%	1413	2905	514	25%	924	628	904	17%	1499	1197
24	0		0	31	51	104%	114	77	19	47%	213	238
124	1288	18%	2325	1018	810	36%	1355	981	385	26%	653	806
25	82	46%	174	189	485	32%	839	577	1063	39%	1634	987
125	930	34%	1330	587	2296	30%	3827	2461	1018	25%	1493	1961
26	30		67	128	426		713	882	543		895	1143
126	988		1385	1628	2065		2767	2667	735		1017	2993
27	50	44%	102	321	438	31%	605	1138	788	20%	1207	1119
127	569	26%	972	1049	2571	30%	4845	2412	793	20%	1828	1315
28	0		0	2	0		0	7	0		0	10
29	0		0	1	217	46%	416	285	202	35%	233	538
Kept Total ³	6996	10%	11591	13975	14812	10%	25327	18795	14552	6%	24769	24479

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), July 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	27	88%	76	85	144	54%	480	365	694	37%	1065	1121
111	10		63	29	166	47%	557	326	379	42%	860	542
12	52	59%	83	98	132	50%	319	423	1446	23%	2158	2525
13	0		0	19	3264	27%	4849	3682	1909	42%	2293	2288
14	0		0	1	464	57%	486	911	1130	29%	1761	1361
15	13	55%	13	0	1426	31%	1830	1000	1069	17%	1392	1014
16	18	56%	18	0	1153	39%	1530	1135	756	28%	1949	2196
17	0		0	10	293	32%	459	962	232	32%	531	1407
18	0		0	16	770	25%	1107	749	493	33%	1020	776
19	0		7	79	1567	34%	2309	2237	806	33%	1377	1553
20	0		22	51	565	26%	1802	1698	892	28%	2403	2050
21	0		0	4	20	140%	30	36	0		0	91
121	67	34%	170	357	88	67%	140	68	8	54%	11	152
23	0		45	11	590	26%	1257	1045	2779	56%	3160	1527
123	286	36%	379	373	501	28%	1090	761	453	23%	675	675
24	0		0	1	15	54%	31	44	28	58%	96	475
124	308	41%	386	191	336	31%	526	313	176	35%	277	416
25	24	90%	39	18	270	40%	397	560	738	34%	828	1030
125	526	77%	554	111	576	52%	1293	1527	593	47%	865	1848
26	12		15	17	26		36	55	59		136	551
126	346		400	487	107		114	157	404		597	1962
27	0		0	86	203	34%	551	409	697	23%	1255	1007
127	382	50%	476	155	545	29%	1087	456	997	24%	1964	1247
28	0		0	0	3	102%	7	24	0		2	85
29	0		0	2	183	59%	315	373	25	105%	119	378
Released Total ³	2071	28%	2746	2201	13407	10%	22602	19316	16763	12%	26794	28277

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), July 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	875	875	1300	0	0	0
123	Offshore Barkley	2317	3021	5200	0	0	0
124	Offshore Clayoquot	3547	3723	1600	0	0	0
125	Offshore Nootka	336	1635	1300	2244	2244	1500
126	Offshore Kyuquot	120	146	550	0	0	150
127	Offshore Quatsino	804	867	850	304	304	200
20 (West)	Juan de Fuca	0	0	0	758	758	800
21	Nitinat	415	1418	900	0	0	0
23-1,2	Alberni Inlet	0	0	150	0	0	0
23-3 to 11	Barkley Sound	6200	9877	7000	0	0	0
24	Clayoquot Sound	210	365	450	0	0	0
25	Nootka Snd. / Esperanza Inlet	0	2065	1100	7115	7115	4200
26	Kyuquot Sound	0	1213	1100	1801	1801	2100
27	Quatsino Sound	0	1514	950	1534	1534	1450
Total		14824	26719	22450	13756	13756	10400

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.