



South Coast Assessment Bulletin September 2021 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 through 29 and 111, 121 to 127. These estimates are generated from data collected by the DFO's South Coast Creel Survey. A brief overview of the survey, the study area and methods used to collect data and generate these estimates is provided in the first bulletin of 2021, 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. The online British Columbia Sport Fishing Guide will provide you with information on regulations and management measures in place. The guide can be accessed from the Fisheries and Oceans Canada Pacific Region Recreational Fishery webpage at:

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

In-season management measure are sometimes required that are not published in the guide. These decisions are implemented by the issuance of a fishery notice which can be viewed at:

<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 September inclusive.

Recreational Catch Estimates:

A summary 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.

Contacts:

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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, September 2021.

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	No Survey This Month			%	1337	1766
111	No Survey This Month			%	1165	543
12	No Survey This Month			%	7675	12411
13	197	10	3728	13%	26052	23317
14	237	10	2309	15%	17672	17522
15	117	10	829	19%	6016	7047
16	31	10	963	16%	9334	8409
17	No Survey This Month	10		%	6953	9441
18	No Survey This Month	10		%	2927	5075
19	182	10	1533	12%	6937	9763
20	304	13	5635	18%	23087	30563
21	1	7	17	45%	569	581
121	14	7	73	47%	1280	2828
23	359	9	4578	20%	30485	26976
123	35	10	187	52%	2802	3781
24	68	7	277	23%	2204	2260
124	43	7	157	41%	1907	1986
25	No Survey This Month			%	9967	12848
125	No Survey This Month			%	712	2094
26	No Survey This Month			%	2745	2982
126	No Survey This Month			%	394	1837
27	No Survey This Month			%	3555	4090
127	No Survey This Month			%	760	1450
28	19	10	1502	20%	4546	5889
29	41	10	2796	22%	7526	14994
Total ⁴	1657		24584	7%	178607	210453

¹ The number of flights where weather conditions allowed effort counts; not including on-water counts

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

³ Cumulative effort (from June 2021) to date summed across periods where surveys are active
- note that WCVI 5 year averages including September are unavailable (N/A)

⁴ Individual flights cover multiple PFMA's, 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), September 2021. 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												
111												
12												
13	2244	26%	19855	19298	368	26%	638	2860				
14	1113	25%	9406	8262	211	33%	725	3823				
15	169	38%	3331	3849								
16	168	51%	4541	2376								
17												
18												
19	151	34%	754	2003								
20	1382	19%	14251	19465	3712	19%	7389	9929	712	42%	808	2167
21												
121												
23	2302	22%	33290	23522	1625	26%	9089	7219				
123	267	46%	5976	9064	588	68%	4976	4334				
24					145	28%	1652	1192				
124	108	49%	1976	4059								
25												
125												
26												
126												
27												
127												
28	926	41%	1108	1062	722	63%	1131	784				
29	353	61%	630	5094	148	123%	443	1022				
Kept Total ²	9183	11%	95118	98054	7519	14%	26043	31163	712	42%	808	2167

¹Cumulative kept catch (from June 2021) 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), September 2021. 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												
111												
12												
13	4565	30%	63931	26921	1997	31%	5385	15602				
14	5934	34%	39897	23730	964	33%	3804	14831	0		0	6
15	938	41%	11206	3099	68	51%	278	1764				
16	824	43%	8561	3609	93	112%	358	1702				
17												
18												
19	605	27%	1846	2645	132	43%	294	887	74	104%	108	16
20	2562	24%	29179	24280	12253	21%	24579	23321	4141	34%	4739	319
21	0		112	128	121	53%	125	116				
121	0		88	3266	122	101%	1521	8411				
23	2637	35%	57786	26641	103	60%	4819	3639	185	60%	5620	726
123	302	71%	7982	7463	1617	86%	14323	8787				
24	64	49%	1345	871	35	74%	764	816				
124	18	79%	530	1326	9	96%	1464	831				
25												
125												
26												
126												
27												
127												
28	1041	57%	1928	719	0		215	522				
29	3679	73%	7433	6837	122	83%	601	2648	40	113%	357	195
Released Total ²	23169	17%	231824	131535	17636	17%	58530	83877	4440	32%	10824	1262

¹Cumulative released catch (from June 2021) 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), September 2021. 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												
111												
12												
13	0		102	39	673	44%	3375	3023	348	34%	2549	1690
14	0		12	38	68	46%	596	712	102	47%	774	1360
15	0		0	0	16	80%	429	592	37	59%	240	917
16	0		0	0	399	32%	1681	1325	606	27%	2803	2345
17												
18												
19	61	60%	777	784	107	52%	300	274	385	48%	1806	1648
20	41	78%	228	489	397	40%	2012	1201	1642	28%	5023	5471
21	0		37	54	0		75	115	0		91	408
121	50	99%	4186	5632	54	107%	508	604	46	66%	553	1461
23	12	128%	148	240	341	42%	2819	1275	685	33%	5265	4348
123	464	67%	5468	3996	23	109%	290	312	5	89%	554	809
24	0		70	161	33	99%	403	499	11	101%	806	1112
124	187	73%	2453	1031	94	64%	2071	1243	51	60%	1886	1402
25												
125												
26												
126												
27												
127												
28	0		0	5	0		0	34	0		0	184
29	0		0	2	0		229	601	0		1147	919
Kept Total ³	815	43%	13481	12471	2205	18%	14788	11810	3918	15%	23497	24074

¹ All rockfishes; including those not identified to species

² Cumulative kept catch (from June 2021) 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), September 2021. 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												
111												
12												
13	0		0	57	1159	32%	9922	5150	886	60%	5081	3494
14	0		0	44	218	46%	6230	2392	246	28%	3317	2761
15	0		0	4	21	72%	827	578	49	42%	1208	2312
16	0		0	1	409	61%	2373	1251	991	31%	4996	4637
17												
18												
19	13	103%	37	162	1196	29%	4019	2599	634	31%	2079	2825
20	0		33	110	1921	41%	5877	3703	1338	33%	5342	6821
21	0		0	1	0		0	53	0		54	121
121	0		100	217	2	164%	14	167	0		75	423
23	0		18	53	317	48%	2815	1946	516	51%	3676	4266
123	23	112%	692	521	34	111%	419	242	0		316	485
24	0		4	14	43	104%	214	201	38	94%	274	538
124	0		808	72	16	85%	431	342	17	65%	1022	573
25												
125												
26												
126												
27												
127												
28	0		0	0	0		15	41	0		46	260
29	0		0	0	0		154	797	0		982	758
Released Total ³	36	82%	1692	1256	5336	19%	33310	19462	4715	18%	28468	30274

¹ All rockfishes; including those not identified to species

² Cumulative released catch (from June 2021) 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), September 2021, 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	837	7750	0	0	0
123	Offshore Barkley	267	5976	9050	0	0	0
124	Offshore Clayoquot	108	1976	5050	0	0	0
125	Offshore Nootka	0	429	2250	0	0	0
126	Offshore Kyuquot	0	0	3400	0	0	0
127	Offshore Quatsino	0	122	1200	0	0	0
20 (West)	Juan de Fuca	0	0	0	366	6488	7700
21	Nitinat	0	1101	550	0	446	600
23-1,2	Alberni Inlet	0	0	150	131	7181	4200
23-3 to 11	Barkley Sound	0	8065	6950	2171	18028	12300
24	Clayoquot Sound	0	887	1350	0	1450	950
25	Nootka Snd. / Esperanza Inlet	0	1803	1150	0	8991	11300
26	Kyuquot Sound	0	1267	800	0	3137	2950
27	Quatsino Sound	0	484	700	0	2184	2400
Total		375	22947	40350	2668	47905	42400

¹Cumulative kept (from June 2021) to date summed across periods where surveys are active.

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