



South Coast Assessment Bulletin
July 2020 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 DFOs 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 2020, 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 PFMAs are available by following the link provided above to the Fisheries and Oceans Canada Pacific Region Recreational Fishery webpage.

Cumulative totals are calculated from July.

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, July 2020.

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	121	6	547	21%	547	636
111	56	6	131	25%	131	613
12	569	6	2356	4%	2356	4854
13	249	12	5410	17%	5410	7963
14	284	12	4982	15%	4982	5113
15	114	12	1756	15%	1756	2554
16	85	12	7798	25%	7798	3272
17	213	13	3627	13%	3627	2610
18	31	13	1315	10%	1315	1707
19	127	13	1753	13%	1753	2376
20	661	14	6564	18%	6564	7262
21	101	7	136	33%	136	130
121	129	7	731	9%	731	1587
23	454	8	4704	6%	4704	7075
123	147	6	765	7%	765	1572
24	185	6	563	14%	563	1039
124	56	7	271	11%	271	959
25	623	8	5167	13%	5167	5315
125	55	8	395	12%	395	1027
26	Based on Logbooks	9	1724	0%	1724	1031
126	Based on Logbooks	9	324	0%	324	945
27	432	8	1414	9%	1414	1315
127	85	7	299	47%	299	692
28	45	13	1062	10%	1062	1906
29	31	13	1959	8%	1959	2234
Total ⁴	4909		55753	5%	55753	65787

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 July 2020) 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), July 2020. 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	1217	18%	1217	1444	422	29%	422	250				
111	398	28%	398	1426	18	42%	18	81				
12	387	14%	387	2873	1130	9%	1130	2762	0		0	12
13	5106	17%	5106	6506	138	43%	138	1005	0		0	
14	3191	17%	3191	1952	1059	24%	1059	1587	0		0	35
15	650	27%	650	1418	105	52%	105	262				
16	2986	35%	2986	1125	98	61%	98	227				
17	663	22%	663	627	519	29%	519	480				
18	0		0	219	0		0	19				
19	0		0	458	52	83%	52	29				
20	965	14%	965	4792	3912	33%	3912	507	0		0	29
21	266	27%	266	293	120	50%	120	25				
121	512	22%	512	5757	1684	16%	1684	3236	5	98%	5	
23	2762	12%	2762	3498	181	30%	181	1762	5109	7%	5109	16746
123	2063	9%	2063	4976	892	14%	892	1194				
24	336	18%	336	1005	49	45%	49	701				
124	144	33%	144	2043	8	74%	8	315	0		0	6
25	5153	14%	5153	6226	319	22%	319	2006	0		0	12
125	27	86%	27	1374	22	100%	22	233				
26	1728		1728	1365	4		4	191				
126	134		134	2046	2		2	106				
27	776	11%	776	1517	654	12%	654	1819				
127	231	60%	231	784	95	69%	95	334	0		0	85
28	0		0	194	129	41%	129	165				
29	164	49%	164	268	468	41%	468	191				
Kept Total ²	29859	6%	29859	54186	12080	12%	12080	19487	5114	7%	5114	16925

¹Cumulative kept catch (from July 2020) 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 2020. 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	791	22%	791	418	108	56%	108	57				
111	80	29%	80	405	28	74%	28	17				
12	3052	12%	3052	4649	1324	16%	1324	2129	5	101%	5	28
13	10992	16%	10992	8397	492	25%	492	4153	14	104%	14	431
14	7359	17%	7359	5881	1787	24%	1787	5037	0	103%	0	0
15	3628	22%	3628	542	177	60%	177	674				
16	5698	29%	5698	360	234	55%	234	1196				
17	10964	17%	10964	5142	2151	47%	2151	1473				
18	123	43%	123	152	11	78%	11	19				
19	199	37%	199	816	136	69%	136	170				
20	7409	14%	7409	7385	8672	29%	8672	1525	50	73%	50	182
21	25	39%	25	162	24	76%	24	115				
121	52	37%	52	2978	2009	21%	2009	5718	0		0	5
23	3637	15%	3637	10571	83	62%	83	1765	744	17%	744	559
123	1169	13%	1169	3533	1934	18%	1934	2655				
24	111	29%	111	417	11	63%	11	503				
124	21	77%	21	695	0		0	471	6	95%	6	11
25	4220	15%	4220	4747	221	36%	221	830	18	84%	18	3
125	22	100%	22	408	5	140%	5	542				
26	62		62	733								
126	34		34	910	2		2	335				
27	897	16%	897	694	163	22%	163	1021				
127	132	82%	132	273	171	85%	171	692	7	128%	7	48
28	223	50%	223	105	132	51%	132	343				
29	2458	28%	2458	726	938	60%	938	454				
Released Total ²	63358	6%	63358	61099	20813	14%	20813	31894	844	16%	844	1267

¹Cumulative released catch (from July 2020) 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 2020. 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	285	38%	285	444	277	25%	277	457	692	16%	692	1338
111	88	25%	88	194	42	37%	42	87	282	24%	282	530
12	321	20%	321	580	85	29%	85	314	519	15%	519	950
13	0		0	11	249	32%	249	998	336	42%	336	706
14	0		0	23	101	57%	101	146	201	31%	201	457
15	0		0	0	54	72%	54	203	56	98%	56	484
16	0		0		3327	80%	3327	481	2450	41%	2450	1016
17	0		0	0	369	57%	369	309	609	24%	609	672
18	0		0	0	16	74%	16	139	331	47%	331	424
19	290	29%	290	185	15	67%	15	67	540	28%	540	569
20	166	57%	166	122	467	29%	467	180	826	19%	826	1240
21	24	70%	24	63	20	61%	20	33	48	102%	48	254
121	1830	9%	1830	3455	193	28%	193	166	712	23%	712	777
23	121	29%	121	72	345	38%	345	379	779	26%	779	1801
123	1115	10%	1115	1816	144	19%	144	162	244	37%	244	598
24	16	59%	16	83	72	32%	72	201	209	32%	209	467
124	158	22%	158	491	356	25%	356	559	363	19%	363	880
25	61	47%	61	221	756	24%	756	381	1075	20%	1075	1269
125	433	23%	433	694	576	30%	576	1042	741	29%	741	1400
26	132		132	115	1834		1834	794	2020		2020	2499
126	491		491	1229	365		365	1721	334		334	1095
27	194	16%	194	285	568	19%	568	571	845	9%	845	974
127	206	52%	206	729	326	51%	326	1121	320	38%	320	1070
28	0		0	0	0		0	15	0		0	88
29	0		0	0	205	63%	205	144	244	58%	244	278
Kept Total ³	5931	6%	5931	10812	10762	32%	10762	10670	14776	9%	14776	21836

¹ All rockfishes; including those not identified to species

² Cumulative kept catch (from July 2020) 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 2020. 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	42	58%	42	44	191	45%	191	124	1125	20%	1125	753
111	9	33%	9	17	69	56%	69	335	127	31%	127	846
12	25	66%	25	112	69	36%	69	118	1387	15%	1387	1844
13	24	105%	24	60	1715	25%	1715	2140	650	21%	650	1170
14	4	131%	4	51	946	44%	946	694	557	37%	557	564
15	0		0	0	1352	30%	1352	31	681	30%	681	479
16	0		0		1675	48%	1675	73	4940	46%	4940	1991
17	0		0	0	1028	51%	1028	305	1348	40%	1348	1171
18	82	82%	82	48	25	79%	25	204	547	27%	547	941
19	62	65%	62	70	587	46%	587	841	879	33%	879	1012
20	76	95%	76	46	1019	48%	1019	810	1505	37%	1505	1821
21	0		0	58	16	83%	16	24	9	64%	9	44
121	31	80%	31	107	83	45%	83	58	80	61%	80	301
23	0		0	43	1185	52%	1185	742	1317	47%	1317	1246
123	32	45%	32	332	134	23%	134	114	102	29%	102	241
24	0		0	5	77	33%	77	106	17	124%	17	400
124	0		0	40	246	35%	246	150	359	38%	359	290
25	0		0	175	772	21%	772	311	888	24%	888	1256
125	69	59%	69	87	769	59%	769	141	1591	54%	1591	532
26	28		28	53	83		83	136	1029		1029	537
126	159		159	582	34		34	227	366		366	601
27	56	17%	56	60	292	21%	292	196	928	14%	928	1010
127	8	111%	8	181	281	62%	281	197	443	54%	443	555
28	0		0	0	0		0	41	0		0	268
29	0		0	0	110	77%	110	90	18	104%	18	480
Released Total ³	707	24%	707	2171	12758	12%	12758	8208	20893	14%	20893	20353

¹ All rockfishes; including those not identified to species

² Cumulative released catch (from July 2020) 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 2020, 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	512	512	5750	0	0	0
123	Offshore Barkley	2063	2063	5000	0	0	0
124	Offshore Clayoquot	144	144	2050	0	0	0
125	Offshore Nootka	27	27	1350	0	0	0
126	Offshore Kyuquot	134	134	2050	0	0	0
127	Offshore Quatsino	231	231	800	0	0	0
20 (West)	Juan de Fuca	0	0	0	849	849	1500
21	Nitinat	266	266	300	0	0	0
23 - 3 to 11	Barkley Sound	2745	2745	3450	0	0	0
23 -1,2	Alberni Inlet	16	16	50	0	0	0
24	Clayoquot Sound	336	336	1000	0	0	0
25	Nootka Snd. / Esperanza Inlet	0	0	0	5153	5153	6250
26	Kyuquot Sound	0	0	0	1728	1728	1350
27	Quatsino Sound	0	0	0	776	776	1500
Total		6474	6474	21800	8506	8506	10600

¹Cumulative kept (from July 2020) to date summed across periods where surveys are active.

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