



South Coast Assessment Bulletin
June 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 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 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 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 June.

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, June 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	45	4	391	38%	391	529
111	60	4	546	28%	546	222
12	119	4	631	41%	631	2020
13	121	10	2282	9%	2282	3515
14	64	10	2673	11%	2673	2584
15	35	10	245	18%	245	954
16	24	10	1979	9%	1979	1131
17	93	9	1670	11%	1670	1506
18	28	9	879	11%	879	1005
19	94	9	1152	15%	1152	2063
20	233	14	1688	19%	1688	2666
21	Based on Logbooks	9	229	0%	229	117
121	159	9	408	19%	408	388
23	593	9	4625	13%	4625	3868
123	45	9	317	29%	317	393
24	129	9	361	15%	361	319
124	57	9	588	16%	588	350
25	172	7	1190	18%	1190	1128
125	13	8	184	25%	184	444
26	Based on Logbooks	3	552	0%	552	446
126	Based on Logbooks	6	181	0%	181	213
27	99	5	738	33%	738	652
127	7	5	118	68%	118	294
28	45	9	629	11%	629	1000
29	25	9	1110	9%	1110	1665
Total ⁴	2370		25366	4%	25366	29472

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), June 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	595	38%	595	1548								
111	1108	32%	1108	647	244	61%	244	19				
12 ³												
13 ³	196	53%	196	2880								
14 ³												
15 ³												
16 ³	351	59%	351	580								
17 ³												
18 ³												
19 ³												
20 ³					1450	33%	1450	358				
21	491		491	203								
121 ³					124	36%	124	240				
23	3301	9%	3301	3508	488	21%	488	419	6992	23%	6992	7622
123 ³					268	67%	268	130				
24	378	19%	378	341	156	28%	156	36				
124 ³												
25	1803	19%	1803	1148	1055	21%	1055	344				
125 ³												
26	1267		1267	515	388		388	91				
126 ³												
27	484	46%	484	699	699	47%	699	232				
127 ³					114	106%	114	22				
28												
29												
Kept Total ²	9974	9%	9974	12069	4986	15%	4986	1891	6992	24%	6992	7622

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

³Chinook non-retention regulations in effect April 1 July 14 for these areas with the exception of areas 18-20 which are non-retention until Aug 1. Portions of Areas 12, 13, 15, 16 and 20 were open for Chinook Salmon retention; retention fisheries for other areas to open July 15 unless otherwise noted.

Table 3: Preliminary recreational released catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), June 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	163	58%	163	506	0		0	14				
111	131	55%	131	294	0		0	19				
12 ³	349	71%	349	2320	24	125%	24	603				
13 ³	9685	16%	9685	4917	33	76%	33	3233				
14 ³	7978	39%	7978	4147	175	79%	175	1888				
15 ³	84	47%	84	353								
16 ³	498	45%	498	339	41	122%	41	59				
17 ³	5462	32%	5462	1659	471	71%	471	494				
18 ³	0		0	79								
19 ³	55	50%	55	325								
20 ³	1565	25%	1565	1413	5526	26%	5526	667	17	109%	17	28
21												
121 ³	31	50%	31	591	72	45%	72	306				
23	13492	17%	13492	6919	593	48%	593	205	526	41%	526	83
123 ³	31	47%	31	589	489	66%	489	82				
24	497	25%	497	252	41	49%	41	24				
124 ³	0		0	385	0		0	25				
25	8988	25%	8988	352	886	31%	886	328				
125 ³	0		0	35								
26												
126 ³												
27	288	52%	288	179	359	48%	359	155				
127 ³	16	170%	16	50	0		0	39				
28	345	55%	345	223	0		0	125				
29	1171	63%	1171	871								
Released Total ²	50829	10%	50829	26798	8710	18%	8710	8266	543	39%	543	111

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

³Chinook non-retention regulations in effect April 1 July 14 for these areas with the exception of areas 18-20 which are non-retention until Aug 1. Portions of Areas 12, 13, 15, 16 and 20 were open for Chinook Salmon retention; retention fisheries for other areas to open July 15 unless otherwise noted.

Table 4: Preliminary recreational kept catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), June 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	390	60%	390	455	129	86%	129	238	320	73%	320	981
111	183	53%	183	77	489	71%	489	16	1272	36%	1272	156
12	149	77%	149	359	85	110%	85	219	41	109%	41	589
13	12	113%	12	32	280	34%	280	795	413	26%	413	253
14	0		0	16	209	99%	209	151	94	108%	94	243
15	0		0	0	247	66%	247	93	18	124%	18	217
16	0		0		29	105%	29	225	0		0	279
17	0		0	0	80	67%	80	112	145	59%	145	253
18	0		0	0	32	86%	32	95	120	79%	120	514
19	359	52%	359	154	4	116%	4	57	223	48%	223	333
20	77	45%	77	168	227	42%	227	120	626	29%	626	751
21	1		1	18								
121	1788	20%	1788	833	256	27%	256	114	225	24%	225	273
23	107	54%	107	55	500	29%	500	454	638	22%	638	1179
123	498	41%	498	464	18	12%	18	35	45	11%	45	136
24	54	62%	54	45	116	63%	116	141	118	44%	118	460
124	952	23%	952	237	237	85%	237	87	836	37%	836	217
25	234	46%	234	205	419	36%	419	463	232	36%	232	1087
125	45	69%	45	233	596	39%	596	313	245	31%	245	1042
26	282		282	32								
126	406		406	316								
27	139	47%	139	173	913	38%	913	391	409	52%	409	529
127	32	170%	32	348	65	170%	65	514	32	173%	32	709
28	0		0	5	0		0	25	0		0	69
29	0		0	2	182	19%	182	233	0		0	383
Kept Total ³	5708	12%	5708	4227	5113	14%	5113	4891	6052	12%	6052	10653

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), June 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	77	68%	77	39	297	70%	297	241	543	53%	543	586
111	24	96%	24	1	493	59%	493	157	1252	36%	1252	186
12	25	107%	25	121	34	97%	34	129	462	64%	462	1135
13	0		0	51	1321	27%	1321	1309	1545	42%	1545	891
14	0		0	1	3341	82%	3341	139	1429	58%	1429	599
15	0		0	0	236	46%	236	169	167	54%	167	369
16	0		0		575	36%	575	39	159	82%	159	600
17	0		0	1	1202	46%	1202	102	1056	66%	1056	261
18	0		0	0	118	79%	118	181	167	57%	167	533
19	7	108%	7	72	354	41%	354	652	179	42%	179	727
20	9	112%	9	48	541	52%	541	540	1169	51%	1169	1112
21												
121	88	32%	88	96	8	63%	8	51	45	52%	45	79
23	12	138%	12	5	491	28%	491	822	417	29%	417	1733
123	17	64%	17	79	3	86%	3	126	4	107%	4	129
24	0		0	6	9	78%	9	55	29	94%	29	246
124	718	75%	718	25	53	68%	53	48	421	52%	421	161
25	23	89%	23	21	346	53%	346	222	366	69%	366	1445
125	15	93%	15	45	401	42%	401	37	816	34%	816	415
26												
126												
27	0		0	63	144	76%	144	117	83	105%	83	509
127	0		0	177	0		0	75	0		0	280
28	0		0	0	11	122%	11	5	46	92%	46	124
29	0		0	0	0		0	418	908	19%	908	556
Released Total ³	1015	53%	1015	851	9978	29%	9978	5634	11263	14%	11263	12676

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), June 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	0	1700	0	0	0
123	Offshore Barkley	0	0	900	0	0	0
124	Offshore Clayoquot	0	0	1350	0	0	0
125	Offshore Nootka	0	0	1000	0	0	0
126	Offshore Kyuquot	0	0	1300	0	0	0
127	Offshore Quatsino	0	0	400	0	0	0
20 (West)	Juan de Fuca	0	0	0	0	0	400
21	Nitinat	491	491	250	0	0	0
23-1,2	Alberni Inlet	0	0	150	0	0	0
23-3 to 11	Barkley Sound	3301	3301	3450	0	0	0
24	Clayoquot Sound	378	378	350	0	0	0
25	Nootka Snd. / Esperanza Inlet	1803	1803	1150	0	0	0
26	Kyuquot Sound	1267	1267	800	0	0	0
27	Quatsino Sound	484	484	700	0	0	0
Total		7724	7724	13500	0	0	400

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.