



**South Coast Assessment Bulletin
June 2018 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 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 2017, available on the Federal Science Library catalogue:

<http://science-libraries.canada.ca/eng/home/>

The search term "South Coast Creel Bulletin" 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.

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:

For additional information on the South Coast Creel Survey Programs, please contact:

Johnstone Strait and North Island Surveys (PFMA's 11, 12, 27, & 127)

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Strait of Georgia Survey (PFMA's 13 – 20, 28 & 29)

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West Coast Vancouver Island Survey (PFMA's 20 – 26 & 121 – 126)

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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 2018.

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 average
11	40	4	813	15%	813	366
12	382	5	2883	10%	2883	2032
13	100	8	5623	16%	5623	5603
14	80	8	2453	16%	2453	4073
15			No Survey this month			
16			No Survey this month			
17	27	3	1203	19%	1203	2531
18	11	3	1193	29%	1193	988
19	122	8	3344	12%	3344	2226
20	236	9	4264	8%	4264	4488
21	5	5	128	37%	128	72
121	26	5	700	30%	700	377
23	220	10	4724	8%	4724	4608
123	44	7	590	40%	590	759
24	50	7	339	33%	339	279
124	31	7	171	24%	171	647
25			Analysis Not Yet Available			
125			Analysis Not Yet Available			
26			Analysis Not Yet Available			
126			Analysis Not Yet Available			
27	55	4	363	16%	363	411
127	18	4	166	27%	166	343
28	26	8	452	15%	452	1287
29	40	8	2018	12%	2018	1313
Totals ⁴	1513		31427		31421	36379

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 2018) 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



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Table 2 Preliminary recreational kept catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), June 2018. 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	2292	18%	2292	1231	27	78%	27	99	0		0	0
12	2181	11%	2181	1292	86	33%	86	342	0		0	0
13	6282	20%	6282	5435	3936	26%	3936	1370	0		0	0
14	2145	21%	2145	2269	866	32%	866	996	0		0	0
15							No Survey this month					
16							No Survey this month					
17	844	30%	844	973	531	45%	531	501	0		0	0
18	32	58%	32	123	0		0	0	0		0	0
19	434	30%	434	426	0		0	0	0		0	0
20	2731	17%	2731	2900	158	79%	158	791	0		0	0
21	467	51%	467	159	0		0	0	0		0	0
121	2337	26%	2337	1455	62	58%	62	329	0		0	0
23	6414	14%	6414	2167	657	26%	657	375	3546	15%	3546	19371
123	1369	42%	1369	2045	200	87%	200	618	0		0	0
24	306	37%	306	591	6	103%	6	197	0		0	0
124	284	39%	284	2026	12	80%	12	346	0		0	0
25							Analysis Not Yet Available					
125							Analysis Not Yet Available					
26							Analysis Not Yet Available					
126							Analysis Not Yet Available					
27	339	17%	339	459	296	23%	296	385	0		0	0
127	207	15%	207	463	28	57%	28	93	0		0	0
28	28	80%	28	206	25	86%	25	154	0		0	0
29	446	29%	446	350	316	47%	316	67	0		0	0
Kept Total ²	29138		29138	24570	7206		7206	6663	3546		3556	19371

¹ Cumulative kept catch (from June 2018) to date summed across periods where surveys are active

² Including 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), June 2018. 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	784	25%	784	371	0		0	0	0		0	0
12	3286	17%	3286	2097	171	55%	171	624	0		0	0
13	6325	19%	6325	5363	16521	24%	16521	4651	470	20%	470	44
14	3889	32%	3889	4535	3269	25%	3269	2717	0		0	0
15							No survey this month					
16							No survey this month					
17	2464	36%	2464	4405	578	54%	578	1737	0		0	0
18	21	97%	21	145	0		0	0	0		0	0
19	233	46%	233	251	0		0	0	0		0	0
20	1909	23%	1909	2135	760	35%	760	2406	0		0	0
21	9	170%	9	54	0		0	0	0		0	0
121	202	59%	202	1485	105	95%	105	548	0		0	0
23	16011	14%	16011	2044	709	36%	709	183	144	50%	144	67
123	1252	49%	1252	2094	154	63%	154	1422	0		0	0
24	188	55%	188	243	0		0	39	0		0	0
124	32	66%	32	1012	36	82%	36	593	0		0	0
25							Analysis Not Yet Available					
125							Analysis Not Yet Available					
26							Analysis Not Yet Available					
126							Analysis Not Yet Available					
27	144	34%	144	240	70	44%	70	221	0		0	0
127	33		33	98	8		8	96	0		0	0
28	148	47%	148	133	22	56%	22	210	0		0	0
29	1585	31%	1585	164	489	44%	489	54	0		0	0
Released Total ²	38515		38515	26869	22892		22892	15501	614		614	111

¹ Cumulative kept catch (from June 2018) to date summed across periods where surveys are active

² Including 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), June 2018. 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	972	16%	972	383	171	15%	171	233	552	8%	552	661
12	274	23%	274	594	314	25%	314	185	520	18%	520	420
13	0		0	0	760	33%	760	959	156	66%	156	291
14	0		0	0	98	60%	98	222	90	66%	90	270
15							No survey this month					
16							No survey this month					
17	0		0	0	22	72%	22	326	0		0	0
18	0		0	0	140	38%	140	103	11	100%	11	334
19	58	76%	58	432	126	51%	126	37	444	34%	444	271
20	8		8	408	61	61%	61	143	640	27%	640	817
21	31	148%	31	18	0		0	0	0		0	0
121	1272	33%	1272	899	344	107%	344	49	497	61%	497	149
23	46	81%	46	42	663	56%	663	371	530	40%	530	1149
123	385	48%	385	965	76	79%	76	135	152	63%	152	303
24	29	84%	29	48	15	94%	15	242	329	62%	329	789
124	114	27%	114	563	59	67%	59	122	126	36%	126	326
25							Analysis Not Yet Available					
125							Analysis Not Yet Available					
26							Analysis Not Yet Available					
126							Analysis Not Yet Available					
27	91	27%	91	152	176	26%	176	214	206	29%	206	298
127	214	50%	214	361	356	46%	356	486	176	20%	176	567
28	0		0	0	0		0	0	0		0	0
29	0		0	0	456	27%	456	144	0		0	0
Kept Total ³	3494		3494	4865	3837		3837	3971	4429		4429	6645

¹ All rockfishes; including those not identified to species

² Cumulative kept catch (from June 2018) 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 2018. 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	30	49%	30	60	483	42%	483	106	479	37%	479	329
12	94	38%	94	154	112	55%	112	152	873	22%	873	726
13	0		0	0	1223	41%	1223	2401	522	33%	522	882
14	0		0	0	158	55%	158	273	205	52%	205	852
15							No survey this month					
16							No survey this month					
17	0		0	0	0		0	0	0		0	0
18	0		0	0	284	26%	284	156	506	58%	506	361
19	9	128%	9	79	1081	32%	1081	429	1100	49%	1100	442
20	26	93%	26	147	1141	31%	1141	667	1914	41%	1914	1325
21	0		0	0	0		0	0	0		0	0
121	232	43%	232	237	202	121%	202	28	51	121%	51	44
23	0		0	0	835	74%	835	682	948	50%	948	1821
123	78	56%	78	200	133	72%	133	153	162	60%	162	34
24	0		0	1	0		0	113	0		0	59
124	14	62%	14	83	4	97%	4	81	18	75%	18	174
25							Analysis Not Yet Available					
125							Analysis Not Yet Available					
26							Analysis Not Yet Available					
126							Analysis Not Yet Available					
27	14	44%	14	55	77	53%	77	57	372	49%	372	133
127	215	81%	215	129	18	5%	18	70	132	48%	132	136
28	0		0	0	0		0	0	0		0	0
29	0		0	0	1125	28%	1125	16	675	28%	675	250
Released Total ³	712		712	1145	6876		6876	5384	7957		7957	7568

¹ All rockfishes; including those not identified to species

² Cumulative kept catch (from June 2018) 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 2018, 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
20 (West)	Juan de Fuca	0	0	0	805	805	500
21	Nitinat	467	467	150	0	0	0
121	Swiftsure Bank	2337	2337	1450	0	0	0
23 -1,2	Alberni Inlet	40	40	0	0	0	0
23 - 3 to 11	Barkley Sound	6374	6374	2150	0	0	0
123	Offshore Barkley	1369	1369	2050	0	0	0
24	Clayoquot Sound	306	306	600	0	0	0
124	Offshore Clayoquot	284	284	2050	0	0	0
25	Nootka Snd. / Esperanza Inlet			Analysis Not Yet Available			
125	Offshore Nootka			Analysis Not Yet Available			
26	Kyuquot Sound			Analysis Not Yet Available			
126	Offshore Kyuquot			Analysis Not Yet Available			
27	Quatsino Sound	339	339	450	0	0	0
127	Offshore Quatsino	207	207	450	0	0	0
Total		11723	11723	13050	805	805	500

¹ Cumulative kept (from June 2018) to date summed across periods where surveys are active.

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