



South Coast Creel Survey Bulletin #2 – June 2016

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 2016, available on the DFO *ExtraNet*:

http://www-ops2.pac.dfo-mpo.gc.ca/xnet/content/salmon/sc_creelbulletins

*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.htm>

In-season management measures 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://ops.info.pac.dfo.ca/fishman/fnotice/fnotice.htm>

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.



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Contacts:

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

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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 2016.

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	109	4	397	23%	397	330
12	505	4	2797	15%	2797	1711
13	185	9	3935	9%	3935	4764
14	175	9	2616	14%	2616	3225
15	No Survey this month					
16	No Survey this month					
17	No Survey this month					
18	No Survey this month					
19	169	8	2710	12%	2710	1982
20	401	10	3595	12%	3595	4508
21	8	7	95	22%	95	44
121	84	7	646	16%	646	307
23	573	15	4897	12%	4897	4636
123	125	8	411	27%	411	888
24	63	8	146	34%	146	191
124	98	8	845	9%	845	723
25	No Survey this month					
125	No Survey this month					
26	No Survey this month					
126	No Survey this month					
27	91	5	691	5%	691	305
127	45	4	365	11%	365	271
28	No Survey this month					
29	No Survey this month					
Totals 4	2631		24146		24146	23885

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 2016) 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 2016. 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	1203	21%	1203	862	2	89%	2	118	0		0	0
12	1120	18%	1120	919	136	29%	136	201	0		0	0
13	3273	14%	3273	4579	56	58%	56	2264	0		0	0
14	1230	27%	1230	1671	592	28%	592	1295	0		0	0
15	No survey this month				No survey this month				No survey this month			
16	No survey this month				No survey this month				No survey this month			
17	No survey this month				No survey this month				No survey this month			
18	No survey this month				No survey this month				No survey this month			
19	467	35%	467	402	0		0	0	0		0	0
20	1259	14%	1259	3009	74	67%	74	773	0		0	0
21	196	5%	196	135	8	110%	8	27	0		0	0
121	1883	8%	1883	1265	562	17%	562	357	0		0	0
23	679	13%	679	2330	68	33%	68	337	24655	12%	24655	16554
123	1216	27%	1216	2387	138	57%	138	643	2	101%	2	3
24	93	32%	93	458	15	139%	15	188	0		0	0
124	2636	12%	2636	2050	16	71%	16	476	0		0	0
25	No survey this month				No survey this month				No survey this month			
125	No survey this month				No survey this month				No survey this month			
26	No survey this month				No survey this month				No survey this month			
126	No survey this month				No survey this month				No survey this month			
27	727	14%	727	364	47	38%	47	507	0		0	0
127	245	34%	245	440	0		0	0	0		0	0
28	No survey this month				No survey this month				No survey this month			
29	No survey this month				No survey this month				No survey this month			
Kept Total ²	16227		16227	20871	1714		1714	7186	24657		24657	16557

¹ Cumulative kept catch (from June 2016) to date summed across periods where surveys are active

² Including only those areas with in-season estimates this month



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Table 3 Preliminary recreational released catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), June 2016. 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	458	22%	458	251	0		0	0	0		0	0
12	1623	21%	1623	947	88	48%	88	112	5	109%	5	6
13	6970	15%	6970	3447	665	28%	665	4487	44	70%	44	37
14	5655	20%	5655	2814	2237	25%	2237	2447	2	82%	2	1
15	No survey this month				No survey this month				No survey this month			
16	No survey this month				No survey this month				No survey this month			
17	No survey this month				No survey this month				No survey this month			
18	No survey this month				No survey this month				No survey this month			
19	423	39%	423	188	0		0	0	0		0	0
20	1130	17%	1130	1955	97	52%	97	2315	46	56%	46	21
21	0		0	0	0		0	0	0		0	0
121	980	15%	980	1186	549	19%	549	578	0		0	0
23	1590	22%	1590	1759	45	49%	45	344	94	44%	94	162
123	482	50%	482	2345	98	51%	98	2106	4	43%	4	6
24	26	41%	26	78	1	118%	1	75	0		0	0
124	779	19%	779	1074	48	63%	48	1109	0		0	0
25	No survey this month				No survey this month				No survey this month			
125	No survey this month				No survey this month				No survey this month			
26	No survey this month				No survey this month				No survey this month			
126	No survey this month				No survey this month				No survey this month			
27	101	30%	101	253	0		0	0	0		0	0
127	67	57%	67	82	0		0	0	0		0	0
28	No survey this month				No survey this month				No survey this month			
29	No survey this month				No survey this month				No survey this month			
Released Total ²	20284		20284	16379	3828		3828	13573	195		195	233

¹ Cumulative kept catch (from June 2016) to date summed across periods where surveys are active

² Including only those areas with in-season estimates this month



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Table 4 Preliminary recreational kept catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), June 2016. 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	423	25%	423	376	266	37%	266	221	771	17%	771	626
12	688	23%	688	620	307	26%	307	162	659	20%	659	367
13	17	99%	17	81	1296	17%	1296	611	229	40%	229	252
14	18	70%	18	9	157	58%	157	156	236	58%	236	175
15	No survey this month				No survey this month				No survey this month			
16	No survey this month				No survey this month				No survey this month			
17	No survey this month				No survey this month				No survey this month			
18	No survey this month				No survey this month				No survey this month			
19	142	38%	142	477	11	68%	11	58	195	43%	195	313
20	262	73%	262	349	234	39%	234	94	1276	19%	1276	592
21	16	110%	16	16	5	118%	5	2	0		0	0
121	1337	12%	1337	768	138	31%	138	27	195	22%	195	84
23	43	46%	43	78	348	26%	348	180	550	28%	550	952
123	840	41%	840	1095	45	46%	45	184	29	52%	29	562
24	104	84%	104	38	241	91%	241	130	244	78%	244	603
124	188	29%	188	807	7	78%	7	100	64	88%	64	445
25	No survey this month				No survey this month				No survey this month			
125	No survey this month				No survey this month				No survey this month			
26	No survey this month				No survey this month				No survey this month			
126	No survey this month				No survey this month				No survey this month			
27	400	19%	400	98	486	20%	486	104	639	16%	639	223
127	468	21%	468	334	496	24%	496	572	721	24%	721	536
28	No survey this month				No survey this month				No survey this month			
29	No survey this month				No survey this month				No survey this month			
Kept Total ³	4946		4946	5146	4037		4037	2601	5808		5808	5730

¹ All rockfishes; including those not identified to species

² Cumulative kept catch (from June 2016) to date summed across periods where surveys are active

³ Including only those areas with in-season estimates this month



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Table 5 Preliminary recreational released catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), June 2016. 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	58	37%	58	82	68	30%	68	137	363	24%	363	308
12	230	41%	230	140	44	41%	44	286	908	17%	908	868
13	102	99%	102	45	1709	23%	1709	2279	529	26%	529	822
14	2	119%	2	53	64	40%	64	262	1300	55%	1300	458
15	No survey this month				No survey this month				No survey this month			
16	No survey this month				No survey this month				No survey this month			
17	No survey this month				No survey this month				No survey this month			
18	No survey this month				No survey this month				No survey this month			
19	0		0	0	227	45%	227	508	389	33%	389	546
20	118	94%	118	134	638	32%	638	707	1723	22%	1723	1115
21	0		0	0	25	118%	25	22	0		0	0
121	315	35%	315	221	74	39%	74	16	116	60%	116	21
23	0		0	0	472	25%	472	291	192	28%	192	894
123	107	65%	107	188	26	46%	26	105	6	59%	6	27
24	34	144%	34	1	0		0	0	5	86%	5	29
124	0	108%	0	113	0		0	0	47	72%	47	196
25	No survey this month				No survey this month				No survey this month			
125	No survey this month				No survey this month				No survey this month			
26	No survey this month				No survey this month				No survey this month			
126	No survey this month				No survey this month				No survey this month			
27	88	33%	88	28	137	29%	137	30	206	29%	206	43
127	241	43%	241	129	150	42%	150	57	163	54%	163	80
28	No survey this month				No survey this month				No survey this month			
29	No survey this month				No survey this month				No survey this month			
Released Total³	1295		1295	1134	3634		3634	4700	5947		5947	5407

¹ All rockfishes; including those not identified to species

² Cumulative kept catch (from June 2016) to date summed across periods where surveys are active

³ Including only those areas with in-season estimates this month



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Table 6 Preliminary recreational kept Chinook catch estimates (number of fish) by Pacific Fishery Management Area (PFMA), June 2016, 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
21	Nitinat	196	196	150	0	0	0
121	Swiftsure Bank	1883	1883	1250	0	0	0
23 -1,2	Alberni Inlet	0	0	0	0	0	0
23 - 3 to 11	Barkley Sound	679	679	2350	0	0	0
123	Offshore Barkely	1216	1216	2400	0	0	0
24	Clayquot Sound	93	93	450	0	0	0
124	Offshore Clayquot	2636	2636	2050	0	0	0
25	Nootka Snd. / Esperanza Inlet	No survey this month	No survey this month	200	0	0	0
125	Offshore Nootka	No survey this month	No survey this month	1000	0	0	0
26	Kyuquot Sound	No survey this month	No survey this month	150	0	0	0
126	Offshore Kyuquot	No survey this month	No survey this month	950	0	0	0
27	Quatsino Sound	727	727	350	0	0	0
127	Offshore Quatsino	245	245	450	0	0	0
Total		7675	7675	11750	0	0	0

¹ Cumulative kept (from June 2016) 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.



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