



South Coast Creel Survey Bulletin #2 – June 2015

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 2015, 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 2013-2015 British Columbia Tidal Waters Sport Fishing Guide will provide you with information on many of regulations and management measures that are in place. A copy of this may be obtained from most licence vendors. It may also be viewed at 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 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://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 in the 2013-2015 British Columbia Tidal Waters Sport Fishing Guide, or follow 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 and Individual Stock-based Management groupings.



South Coast Creel Survey Bulletin #2 – June 2015

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)

Pieter Van Will - Program Head, Johnstone Strait Salmon Stock Assessment
250-949-9273

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

Patrik Zetterberg – Creel Coordinator, Strait of Georgia Salmon Stock Assessment
250-756-7304

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

Diana Dobson - Program Head, WCVI Salmon Stock Assessment
250-756-7186



South Coast Creel Survey Bulletin #2 – June 2015

Table 1 Creel survey statistics (number of interviews and flights) and preliminary effort estimates (number of boat trips) by Pacific Fishery Management Area, June 2015.

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	50	6	405	19%	405	285
12	327	6	1688	11%	1688	1668
13	186	8	6761	9%	6761	3766
14	176	8	3547	12%	3547	2657
15	49	8	1186	11%	1186	282
16	28	8	1109	11%	1109	295
17	149	8	1618	14%	1618	3026
18	55	8	993	12%	993	641
19	174	8	1964	6%	1964	2010
20	699	11	4737	14%	4737	4416
21	26	7	107	32%	107	46
121	69	7	254	36%	254	266
23	736	14	6792	6%	6792	4133
123	87	7	707	23%	707	1036
24	81	7	123	29%	123	220
124	55	7	701	25%	701	702
25	No Survey this month					
125	No Survey this month					
26	No Survey this month					
126	No Survey this month					
27	53	4	282	22%	282	337
127	24	4	326	30%	326	303
28	No Survey this month					
29	No Survey this month					
Totals 4	3024		33300		33300	26089

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 2015) 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



South Coast Creel Survey Bulletin #2 – June 2015

Table 2 Preliminary recreational kept catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), June 2015. 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	891	28%	891	684	80	39%	80	92	0		0	0
12	1149	14%	1149	771	86	24%	86	183	0		0	0
13	7291	13%	7291	3272	37	98%	37	2280	0		0	0
14	953	27%	953	1497	186	42%	186	1246	0		0	0
15	439	32%	439	84	0		0	0	0		0	0
16	272	31%	272	31	0		0	0	0		0	0
17	354	42%	354	1422	25	107%	25	1122	0		0	0
18	216	30%	216	78	0		0	0	0		0	0
19	440	17%	440	353	0		0	0	0		0	0
20	3473	10%	3473	2600	367	29%	367	763	0		0	0
21	479	20%	479	62	0		0	0	7	95%	7	0
121	986	20%	986	1093	139	49%	139	335	5	121%	5	0
23	2242	11%	2242	2088	233	18%	233	276	38740	6%	38740	12060
123	1274	25%	1274	2843	217	33%	217	615	18	101%	18	2
24	192	38%	192	411	15	59%	15	185	0		0	0
124	1612	20%	1612	1872	129	26%	129	471	0		0	0
25	No survey this month											
125	No survey this month											
26	No survey this month											
126	No survey this month											
27	227	30%	227	375	534	26%	534	406	0		0	0
127	584	28%	584	346	142	49%	142	87	0		0	0
28	No survey this month											
29	No survey this month											
Kept Total ²	23074		23074	19882	2190		2190	8061	38770		38770	12062

¹ Cumulative kept catch (from June 2015) to date summed across periods where surveys are active

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



South Coast Creel Survey Bulletin #2 – June 2015

Table 3 Preliminary recreational released catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), June 2015. 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	256	34%	256	223	0		0	0	0		0	0
12	1184	16%	1184	750	42	41%	42	92	0		0	0
13	1697	21%	1697	3219	222	41%	222	4582	37	98%	37	0
14	3278	32%	3278	2197	137	41%	137	2454	1	104%	1	0
15	512	45%	512	756	0		0	0	0		0	0
16	108	50%	108	27	0		0	0	0		0	0
17	1931	45%	1931	4503	0		0	0	0		0	0
18	168	53%	168	66	0		0	0	0		0	0
19	252	27%	252	129	28	89%	28	26	0		0	0
20	2320	14%	2320	1492	1060	23%	1060	2075	41	72%	41	11
21	3	95%	3	18	0		0	0	0		0	0
121	356	43%	356	943	217	62%	217	538	0		0	0
23	747	14%	747	1723	154	19%	154	322	72	38%	72	343
123	371	44%	371	2768	286	39%	286	2071	6	103%	6	0
24	42	54%	42	68	2	62%	2	90	0		0	0
124	225	32%	225	1029	220	30%	220	1023	0		0	0
25	No survey this month											
125	No survey this month											
26	No survey this month											
126	No survey this month											
27	13	69%	13	283	49	59%	49	202	0		0	0
127	154	66%	154	102	16		16	71	0		0	0
28	No survey this month											
29	No survey this month											
Released Total²	13617		13617	20296	2433		2433	13546	157		157	354

¹ Cumulative kept catch (from June 2015) to date summed across periods where surveys are active

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



South Coast Creel Survey Bulletin #2 – June 2015

Table 4 Preliminary recreational kept catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), June 2015. 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	361	32%	361	349	293	40%	293	187	777	23%	777	526
12	660	22%	660	579	246	28%	246	122	495	20%	495	345
13	37	98%	37	73	2034	17%	2034	232	453	33%	453	180
14	1	104%	1	14	279	54%	279	112	235	48%	235	109
15	0		0	0	38	104%	38	17	10	66%	10	19
16	1	118%	1	0	130	86%	130	96	453	32%	453	107
17	0		0	0	152	99%	152	532	400	31%	400	280
18	0		0	0	200	47%	200	80	34	81%	34	151
19	59	51%	59	625	31	67%	31	74	382	28%	382	275
20	170	42%	170	374	116	47%	116	87	606	26%	606	554
21	10	122%	10	31	3	95%	3	1	5	122%	5	8
121	573	37%	573	679	38	58%	38	17	45	42%	45	75
23	101	24%	101	82	214	20%	214	123	1073	19%	1073	489
123	583	39%	583	1186	335	50%	335	204	442	3%	442	784
24	27	89%	27	45	24	93%	24	128	78	49%	78	591
124	616	31%	616	729	76	35%	76	90	464	19%	464	375
25	No survey this month											
125	No survey this month											
26	No survey this month											
126	No survey this month											
27	64	39%	64	103	57	84%	57	122	162	31%	162	220
127	277	45%	277	396	269	29%	269	583	270	32%	270	637
28	No survey this month											
29	No survey this month											
Kept Total ³	3540		3540	5265	4535		4535	2807	6384		6384	5725

¹ All rockfishes; including those not identified to species

² Cumulative kept catch (from June 2015) to date summed across periods where surveys are active

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



South Coast Creel Survey Bulletin #2 – June 2015

Table 5 Preliminary recreational released catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), June 2015. 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	57	51%	57	79	197	43%	197	138	1101	65%	1101	153
12	111	38%	111	129	308	38%	308	298	719	19%	719	850
13	0		0	0	8066	17%	8066	780	1611	25%	1611	628
14	0		0	0	775	40%	775	164	944	35%	944	230
15	0		0	0	135	98%	135	15	61	96%	61	55
16	0		0	0	625	48%	625	300	0		0	0
17	0		0	0	217	53%	217	1020	370	38%	370	1178
18	0		0	0	217	34%	217	210	353	35%	353	465
19	0		0	0	428	30%	428	731	267	36%	267	549
20	13	94%	13	148	593	24%	593	1221	1008	19%	1008	1104
21	0		0	0	59	90%	59	3	20	90%	20	16
121	297	65%	297	165	43	72%	43	6	24	64%	24	17
23	15	49%	15	19	524	20%	524	234	607	25%	607	665
123	102	52%	102	190	82	51%	82	203	3	103%	3	50
24	0		0	16	73	65%	73	78	88	103%	88	12
124	120	55%	120	99	42	57%	42	186	295	24%	295	157
25	No survey this month											
125	No survey this month											
26	No survey this month											
126	No survey this month											
27	12		12	28	3	74%	3	60	18	45%	18	49
127	29		29	156	12		12	80	21		21	183
28	No survey this month											
29	No survey this month											
Released Total³	756		756	1029	12399		12399	5727	7510		7510	6361

¹ All rockfishes; including those not identified to species

² Summative estimate (from June 2015) to date summed across periods where surveys are active

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



South Coast Creel Survey Bulletin #2 – June 2015

Table 6 Preliminary recreational kept Chinook catch estimates (number of fish) by Pacific Fishery Management Area (PFMA), June 2015, 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	479	479	50	0	0	0
121	Swiftsure Bank	986	986	1100	0	0	0
23 -1,2	Alberni Inlet	0	0	0	0	0	0
23 - 3 to 11	Barkley Sound	2242	2242	2100	0	0	0
123	Offshore Barkely	1274	1274	2850	0	0	0
24	Clayquot Sound	192	192	400	0	0	0
124	Offshore Clayquot	1612	1612	1850	0	0	0
25	Nootka Snd. / Esperanza Inlet	No Survey This month		200	0	0	0
125	Offshore Nootka	No Survey This month		1000	0	0	0
26	Kyuquot Sound	No Survey This month		150	0	0	0
126	Offshore Kyuquot	No Survey This month		850	0	0	0
27	Quatsino Sound	227	227	400	0	0	0
127	Offshore Quatsino	584	584	350	0	0	0
Total		7596	7596	11300	0	0	0

¹ Cumulative kept (from June 2015) 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.