



South Coast Creel Survey Bulletin #5 – September 2014

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 2014, 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>

Improvements and Participation:

In 2014 DFO is working with the Sports Fish Advisory Board, recreational fishing guides and avid anglers to improve recreational catch monitoring information by collecting detailed fishing information from some fishery participants. This detailed information includes reports of fishing activity, through logs, and the collection of biological samples. This information is used to improve catch monitoring as well as our understanding of the distribution of fish stocks. This project includes some fishing lodges, individual guides, and selected avid anglers within the South Coast area. We would like to thank all of the individual participants in this project along with the staff and management of the following lodges for their important contributions of catch monitoring information (partial list):

Canadian Princess Resort, Dent Island Resort, Nanook Lodge, Ritchie Brothers, Sonora Resort, Morgan's Landing and Eagle Creek Lodge



South Coast Creel Survey Bulletin #5 – September 2014

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.

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)
Kristopher Hein – A/Program Head, Strait of Georgia Salmon Stock Assessment
250-756-7028

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 #5 – September 2014

Table 1 Creel survey statistics (number of interviews and flights) and preliminary effort estimates (number of boat trips) by Pacific Fishery Management Area, September 2014.

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	No Survey this month					
12	No Survey this month					
13	335	8	3845	15%	29390	21288
14	No Survey this month					
15	No Survey this month					
16	No Survey this month					
17	No Survey this month					
18	No Survey this month					
19	180	8	1970	8%	8828	7912
20	405	10	5729	14%	32032	34320
21	Based on Logbooks	4	93	26%	462	463
121	Based on Logbooks	5	78	32%	2155	2019
23	159	6	2648	6%	27114	27894
123	40	5	221	34%	3111	7454
24	No Survey this month					
124	No Survey this month					
25	No Survey this month					
125	No Survey this month					
26	No Survey this month					
126	No Survey this month					
27	No Survey this month					
127	No Survey this month					
28	62	8	2227	11%	4534	5961
29	100	8	5149	20%	19308	5589
Totals ⁴	1281		21789		124317	110418

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 2014) 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 #5 – September 2014

Table 2 Preliminary recreational kept catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), September 2014. 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	No survey this month											
12	No survey this month											
13	2163	21%	22583	10717	2359	18%	9505	3540	1859	31%	38962	9733
14	No survey this month											
15	No survey this month											
16	No survey this month											
17	No survey this month											
18	No survey this month											
19	239	19%	1358	1701	426	32%	489	263	10	88%	46	107
20	1278	19%	15769	19860	10179	12%	15087	10658	651	80%	2535	5533
21	84	40%	134	316	0		637	185	0		0	0
121	25	77%	9773	7828	131	49%	3524	4711	0		5	59
23	1382	17%	18313	20411	2038	15%	10877	11545	28	79%	23960	45324
123	338	31%	9100	23544	1353	31%	8749	9960	0		35	143
24	No survey this month											
124	No survey this month											
25	No survey this month											
125	No survey this month											
26	No survey this month											
126	No survey this month											
27	No survey this month											
127	No survey this month											
28	501	34%	549	408	660	33%	1140	1138	89	65%	244	1037
29	513	41%	1320	753	173	47%	274	122	15059	24%	64103	7663
Kept Total ²	6523		78899	85538	17319		50282	42122	17696		129890	69599

¹ Cumulative kept catch (from June 2014) 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 #5 – September 2014

Table 3 Preliminary recreational released catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), September 2014. 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	No survey this month											
12	No survey this month											
13	2870	20%	25929	10264	1953	25%	7620	19735	7	94%	2494	1288
14	No survey this month											
15	No survey this month											
16	No survey this month											
17	No survey this month											
18	No survey this month											
19	80	47%	856	1010	332	45%	491	801	0		0	0
20	1040	22%	11486	15214	8064	21%	16900	29727	27	100%	1492	1191
21	28	40%	38	92	0		0	0	0		0	0
121	7	87%	7334	3407	71	87%	1001	7524	0		0	0
23	531	28%	12785	10209	478	44%	2436	5948	4	103%	1130	3305
123	280	37%	9222	18655	541	34%	5321	25625	0		0	0
24	No survey this month											
124	No survey this month											
25	No survey this month											
125	No survey this month											
26	No survey this month											
126	No survey this month											
27	No survey this month											
127	No survey this month											
28	33	89%	33	764	67	89%	85	593	0		0	0
29	54	85%	392	2043	12	63%	176	148	0		733	919
Released Total ²	4923		68075	61658	11518		34030	90101	38		5849	6703

¹ Cumulative kept catch (from June 2014) 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 #5 – September 2014

Table 4 Preliminary recreational kept catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), September 2014. 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	No survey this month											
12	No survey this month											
13	42	100%	205	146	306	39%	2353	1075	335	50%	1334	1253
14	No survey this month											
15	No survey this month											
16	No survey this month											
17	No survey this month											
18	No survey this month											
19	593	29%	1994	1540	69	46%	260	251	187	39%	873	1025
20	27	71%	426	802	490	41%	1586	703	1299	28%	5509	3744
21	28	40%	69	255	0		61	15	0		74	93
121	153	40%	4853	4962	14	87%	135	332	114	44%	884	756
23	0	114%	604	371	60	56%	2061	926	200	58%	6421	2337
123	245	43%	4325	7882	53	39%	946	1434	22	25%	1166	3863
24	No survey this month											
124	No survey this month											
25	No survey this month											
125	No survey this month											
26	No survey this month											
126	No survey this month											
27	No survey this month											
127	No survey this month											
28	0		0	0	0		0	0	0		0	0
29	0		0	0	2	102%	211	216	0		0	0
Kept Total³	1088		12476	15958	994		7613	4952	2157		16261	13071

¹ All rockfishes; including those not identified to species

² Cumulative kept catch (from June 2014) 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 #5 – September 2014

Table 5 Preliminary recreational released catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), September 2014. 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	No survey this month											
12	No survey this month											
13	0		129	52	1301	37%	6999	3446	1059	37%	3870	2216
14	No survey this month											
15	No survey this month											
16	No survey this month											
17	No survey this month											
18	No survey this month											
19	50	59%	428	122	283	39%	2148	2623	331	31%	1390	2012
20	0		142	179	1268	29%	7305	5341	988	35%	9037	5323
21	0		17	46	0		0	0	0		44	36
121	0		1024	498	0		36	36	25	89%	243	223
23	0		117	35	28	56%	1463	909	87	67%	5195	1097
123	11	96%	475	813	27	83%	228	738	0		124	331
24	No survey this month											
124	No survey this month											
25	No survey this month											
125	No survey this month											
26	No survey this month											
126	No survey this month											
27	No survey this month											
127	No survey this month											
28	0		0	0	0		0	0	0		0	0
29	0		2	0	0		209	260	4	102%	10	347
Released Total³	61		2334	1745	2907		18388	13353	2494		19913	11585

¹ All rockfishes; including those not identified to species

² Cumulative kept catch (from June 2014) to date summed across periods where surveys are active

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