



South Coast Creel Survey Bulletin #5 – September 2013

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 2013, 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 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 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 #5 – September 2013

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

Pieter.VanWill@dfo-mpo.gc.ca

250-949-9273

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

David O'Brien - Program Head, Strait of Georgia Salmon Stock Assessment

David.OBrien@dfo-mpo.gc.ca

250-756-7003

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

Diana Dobson - Program Head, WCVI Salmon Stock Assessment

Diana.Dobson@dfo-mpo.gc.ca

250-756-7186



South Coast Creel Survey Bulletin #5 – September 2013

Table 1 Creel survey statistics (number of interviews and flights) and preliminary effort estimates (number of boat trips) by Pacific Fishery Management Area, September 2013.

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	101	6	4381	14%	26450	19182
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	199	8	1808	17%	9855	7018
20	319	9	5879	39%	35356	34580
21	No Survey this month					
121	4	4	276	11%	2161	1939
23	76	5	2529	10%	17792	29325
123	55	5	320	7%	5375	8005
24	25	5	123	7%	1504	1216
124	9	5	58	5%	2059	3772
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	No Survey this month					
29	No Survey this month					
Totals 4	823		15374		100552	105037

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 to date (June through September) 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 2013

Table 2 Preliminary recreational kept catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), September 2013. 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		3676	2420			1685	1481				
12	No survey this month		3981	6447			4354	3405				
13	606	27%	13711	8987	289	35%	12459	795				
14	No survey this month		6834	2220			5641	178				
15	No survey this month											
16	No survey this month											
17	No survey this month		2606	1370			2549	14				
18	No survey this month		456	437								
19	365	28%	2495	1260	252	30%	475	172				
20	3288	22%	31665	17699	4912	30%	16491	7480				
21	0		95	453	0		72	177				
121	654	33%	9883	6407	0		6178	3857				
23	569	29%	10725	22802	7227	13%	19331	8613			16781	41700
123	1325	13%	21870	22069	1197	15%	6960	9449				146
24	5	40%	2234	484	697	8%	6402	1574				
124	12	45%	6144	11006	56	48%	3473	2977				
25	No survey this month		15962	11537			9535	6093				
125	No survey this month		3018	5017			2204	1872				
26	No survey this month		915	869			1401	340				
126	No survey this month		3621	5093			2735	1577				
27	No survey this month		2548	2107			6870	7214				
127	No survey this month		6066	5307			2475	1470				
28	No survey this month		195	506			1938	771				
29	No survey this month		884	665			5	125				



South Coast Creel Survey Bulletin #5 – September 2013

Table 3 Preliminary recreational released catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), September 2013. 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		1029	770			1336	938			6	8
12	No survey this month		5975	7666			10390	8215			40	540
13	1910	21%	23404	5684	3724	21%	55464	8784	106	61%	1970	747
14	No survey this month		28893	4464			29574	1568				
15	No survey this month											
16	No survey this month											
17	No survey this month		24524	4303			10881	690				
18	No survey this month		751	552			0	0			122	43
19	246	44%	1068	831	872	34%	1419	527			15	37
20	2969	55%	23665	11398	20575	34%	60713	17522	14	161%	1503	904
21	0		64	81	0		113	129				
121	55	91%	9631	1947	109	57%	15925	4916				
23	1406	29%	10879	9960	555	40%	7168	4796			5321	2109
123	1252	16%	30462	15132	3794	12%	20408	23648				
24	133	12%	1187	396	270	23%	2648	1424				
124	0		3490	8042	121	40%	7868	9397				
25	No survey this month		12026	6561			11464	4075				
125	No survey this month		1310	2068			10618	6439				
26	No survey this month		723	319			739	170				
126	No survey this month		2489	6608			5232	3609				
27	No survey this month		1318	1778			4059	4215				
127	No survey this month		2255	1913			5235	4068				
28	No survey this month		730	803			510	546			105	133
29	No survey this month		1191	2252			19	151			306	1123



South Coast Creel Survey Bulletin #5 – September 2013

Table 4 Preliminary recreational kept catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), September 2013. 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		1199	1750			569	763			1462	2099
12	No survey this month		1890	3368			408	682			1513	2357
13	0		338	92	116	46%	2691	713	136	48%	1717	967
14	No survey this month		24	14			1135	329			1128	446
15	No survey this month											
16	No survey this month											
17	No survey this month		27	22			1161	948			2204	1424
18	No survey this month		19	27			446	374			543	665
19	266	41%	2140	1354	142	39%	320	240	215	36%	1263	897
20	137	85%	1784	653	204	64%	783	666	767	33%	4109	3516
21	0		108	377	0		19	37	0		240	75
121	136	33%	5178	5975	0		394	475	136	75%	739	890
23	0		228	526	423	36%	1246	889	117	41%	1885	2543
123	548	14%	3727	8943	139	21%	1156	2819	36	55%	1406	4535
24	8	41%	214	150	0		518	154	25	32%	2107	387
124	110	20%	3049	3250	5		334	618	9		446	1777
25	No survey this month		389	465			839	579			1192	1967
125	No survey this month		991	2070			1540	2725			2038	3843
26	No survey this month		179	485			292	653			398	541
126	No survey this month		3179	2629			3607	3709			1603	1933
27	No survey this month		393	557			524	691			781	1869
127	No survey this month		2652	3662			3323	4878			4103	5700
28	No survey this month		0	0			0	0			48	203
29	No survey this month		0	0			98	193			211	300



South Coast Creel Survey Bulletin #5 – September 2013

Table 5 Preliminary recreational released catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), September 2013. 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		395	318			207	676			1137	920
12	No survey this month		835	583			576	1175			2468	5690
13	0		0	0	557	30%	6209	2794	337	42%	4289	1801
14	No survey this month		19	2			4141	1606			2428	964
15	No survey this month											
16	No survey this month											
17	No survey this month		86	160			2430	3687			5719	5144
18	No survey this month		0	0			986	1218			2017	2597
19	92	52%	321	63	864	36%	2568	2332	280	30%	2625	1764
20	94	167%	498	102	731	52%	2548	5731	757	54%	5037	4926
21	0		62	28	0		2	21	0		87	27
121	0		792	392	0		0	0	82	91%	136	233
23	0		69	35	106	55%	557	1297	12	19%	507	1564
123	80	33%	1913	732	5	42%	276	843	0		57	380
24	0		7	17	0		225	155	9	51%	119	192
124	0		701	362	1		2	803	4		4	731
25	No survey this month		23	123			801	666			577	944
125	No survey this month		79	158			870	949			1494	870
26	No survey this month		203	28			226	94			260	429
126	No survey this month		2175	1082			1410	915			495	451
27	No survey this month		199	89			145	448			267	1018
127	No survey this month		1033	709			775	932			365	956
28	No survey this month		0	0			132	162			100	445
29	No survey this month		0	0			34	260			114	329



South Coast Creel Survey Bulletin #5 – September 2013

Table 6 Preliminary recreational kept Chinook catch estimates (number of fish) by Pacific Fishery Management Area (PFMA), September 2013, 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	0	63	200	0	33	250
121	Swiftsure Bank	654	9883	6400	0	0	0
23 -1,2	Alberni Inlet	0	0	50	84	84	7050
23 - 3 to 11	Barkley Sound	0	5584	6350	486	3430	9350
123	Offshore Barkely	1325	21870	22050	0	0	0
24	Clayquot Sound	0	2025	450	5	210	50
124	Offshore Clayquot	12	6144	11000	0	0	0
25	Nootka Snd. / Esperanza Inlet	0	0	250	0	15962	11450
125	Offshore Nootka	0	3018	5000	0	0	0
26	Kyuquot Sound	0	201	100	0	714	800
126	Offshore Kyuquot	0	5873	5100	0	0	0
27	Quatsino Sound	0	161	250	0	2386	1850
127	Offshore Quatsino	0	5738	5300	0	0	0
Total		1991	60560	62500	575	22819	30800

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

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