



South Coast Creel Survey Bulletin #5 – September 2012

Overview:

This bulletin provides a monthly update on estimates of recreational fishing effort and fin fish catch in the marine waters of southern British Columbia (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 2012, 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 your responsibility to know the current fishing regulations prior to fishing. A listing of recreational fishing regulations can be viewed at the Fisheries and Oceans Canada Pacific Region Recreational Fishery webpage:

<http://www.pac.dfo-mpo.gc.ca/fm-gp/rec/index-eng.htm>

In addition, Fisheries and Oceans fishery notices of in-season regulation updates 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 (attached). A map of PFMA's is available in the 2011-2013 British Columbia Tidal Waters Sport Fishing Guide.

Recreational Catch Estimates:

A summary of September preliminary kept catch estimates for key species by PFMA relative to recent 5-year averages are presented in Table 2 and 4 (attached). Similarly, regional released catch totals are presented in tables 3 and 5 (attached). A map of PFMA's is available in the 2011-2013 British Columbia Tidal Waters Sport Fishing Guide.

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)

David O'Brien - Program Head, Strait of Georgia Salmon Stock Assessment
250-756-7003

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

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



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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, September 2012.

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	71	7	7336	15%	25481	18170
14	135	7	2389	21%	9937	7615
15	2				1513	1795
16	Based on Logbooks				1435	2753
17	98	8	893	11%	9375	6169
18	42	8	661	14%	4569	3702
19	225	8	2478	18%	8767	6578
20	510	11	6750	11%	28790	36368
21	Based on Logbooks	2	96	1%		
121	13	3	105	9%		
23	226	8	3689	10%		
123	25	4	624	4%		
24	12	4	253	17%		
124	4	4	115	6%		
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	96	11	2172	14%	8017	5078
29	11	9	1355	24%	5898	5226
Totals 4	1472		28914		181538	176670

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



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Table 2 Preliminary recreational kept catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), September 2012. 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		2719	2297	No survey this month		2566	1076	No survey this month		0	0
12	No survey this month		5156	6822	No survey this month		3469	3926	No survey this month		4	2338
13	1382	29%	11517	8211	798	37%	1163	872	0		0	0
14	295	47%	3257	2155	67	74%	189	193	0		0	0
15	No survey this month		623	366	No survey this month		3	11	No survey this month		0	0
16	No survey this month		302	209	No survey this month		0	0	No survey this month		0	0
17	8	88%	2639	969	0		0	0	0		0	0
18	0		521	370	0		89	178	0		18	536
19	482	39%	1920	1134	362	49%	489	88	0		0	0
20	1818	20%	16434	18911	6450	12%	20650	4405	0		88	5544
21	0				0				0			
121	12	86%			449	26%			0			
23	1291	17%			2044	24%			0			
123	828	21%			870	23%			0			
24	0				362	31%			0			
124	105	61%			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		417	1284	No survey this month		75	738	No survey this month		0	3
126	No survey this month		8042	3826	No survey this month		1363	1342	No survey this month		0	92
27	No survey this month		1664	2095	No survey this month		4584	7270	No survey this month		0	0
127	No survey this month		5754	5027	No survey this month		1208	1446	No survey this month		0	0
28	246	34%	731	473	665	35%	2239	361	0		0	0
29	77	73%	923	566	38	97%	102	111	0		7	15321
Kept Total ²	6544		135539	134522	12105		76661	55571	0		18134	71760

¹ Cumulative kept catch to date (June through September) 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), September 2012. 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		1079	629	No survey this month		2118	546	No survey this month		12	8
12	No survey this month		6820	7391	No survey this month		9570	7514	No survey this month		351	545
13	4612	39%	13111	5402	6525	28%	19649	7248	0		2040	594
14	3213	44%	15765	3265	2322	43%	4788	957	0		0	0
15	No survey this month		3188	862	No survey this month		3	76	No survey this month		0	0
16	No survey this month		1129	538	No survey this month		19	41	No survey this month		0	0
17	1136	29%	9937	2507	205	53%	687	553	0		0	0
18	137	45%	743	482	19	83%	146	386	0		0	0
19	730	35%	1214	710	1348	42%	1638	264	0		43	35
20	746	28%	6636	12168	15621	17%	48130	10289	0		1099	918
21	0				0				0			
121	0				584	26%			0			
23	259	50%			49	43%			0			
123	737	47%			1567	27%			0			
24	160	43%			499	38%			0			
124	52	78%			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		446	255	No survey this month		504	18	No survey this month		8	0
126	No survey this month		11959	4789	No survey this month		11413	1239	No survey this month		63	168
27	No survey this month		1601	1567	No survey this month		2400	3932	No survey this month		8	25
127	No survey this month		2526	1494	No survey this month		4365	3341	No survey this month		24	70
28	323	34%	1786	838	771	34%	1487	301	0		0	0
29	392	40%	4695	1726	85	55%	90	179	0		0	0
Released Total ²	12497		132403	85489	29595		164827	87444	0		4366	4618

¹ Cumulative kept catch to date (June through September) 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), September 2012. 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		2026	1939	No survey this month		1131	597	No survey this month		3405	1795
12	No survey this month		3147	3889	No survey this month		865	619	No survey this month		1907	2609
13	0		162	77	1199	32%	1949	574	1020	38%	2645	631
14	0		11	18	266	48%	445	253	151	44%	839	284
15	No survey this month		4	2	No survey this month		85	115	No survey this month		22	219
16	No survey this month		0	0	No survey this month		298	417	No survey this month		219	1207
17	0		13	22	214	27%	1703	706	62	54%	1221	1464
18	0		0	0	285	61%	527	282	177	44%	757	589
19	214	34%	1226	1224	21	68%	293	217	124	53%	1194	809
20	13	102%	462	712	259	36%	741	629	1003	28%	4000	3241
21	74				0				0			
121	75	52%			36	86%			32	54%		
23	10	60%			257	67%			0			
123	284	31%			265	42%			1044	55%		
24	42	46%			0				0			
124	209	27%			26	78%			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		237	445	No survey this month		788	718	No survey this month		1185	464
126	No survey this month		3876	2490	No survey this month		6310	2577	No survey this month		3573	1320
27	No survey this month		313	628	No survey this month		380	748	No survey this month		1098	1867
127	No survey this month		3617	3704	No survey this month		5861	4240	No survey this month		6394	5263
28	0		0	0	0		0	0	0		5	303
29	0		0	0	62	81%	510	78	0		490	214
Kept Total ³	921		37124	40713	2890		30784	21407	3613		45818	38265

¹ All rockfishes; including those not identified to species

² Cumulative kept catch to date (June through September) 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), September 2012. 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		484	266	No survey this month		1018	591	No survey this month		1293	684
12	No survey this month		758	546	No survey this month		1278	1014	No survey this month		3942	5350
13	0		93	24	1902	48%	7964	1863	1400	36%	5704	1470
14	0		0	0	127	74%	1134	1432	481	46%	848	873
15	No survey this month		0	0	No survey this month		220	558	No survey this month		102	311
16	No survey this month		0	0	No survey this month		768	2731	No survey this month		395	2087
17	0		163	5	381	26%	3160	3607	985	23%	5815	4979
18	0		0	0	384	62%	994	1335	399	50%	2984	2414
19	13	69%	53	72	103	55%	1130	2508	504	42%	2262	1655
20	0		0	0	842	52%	2891	5853	930	46%	4615	4629
21	0				0				0			
121	0				0				24	86%		
23	0				0				9	148%		
123	31	55%			44	55%			68	50%		
24	0				0				0			
124	0				26	78%			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		58	7	No survey this month		229	29	No survey this month		977	10
126	No survey this month		1669	878	No survey this month		2798	117	No survey this month		1690	68
27	No survey this month		60	84	No survey this month		381	388	No survey this month		552	923
127	No survey this month		1431	528	No survey this month		1777	589	No survey this month		1100	756
28	0		0	0	0		48	157	0		0	0
29	0		0	0	25	112%	409	195	110	73%	406	242
Released Total ³	44		7238	4018	3834		30789	27419	4910		39767	31369

¹ All rockfishes; including those not identified to species

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

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