



## South Coast Creel Survey Bulletin #4 – August 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](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 preliminary kept and released catch estimates for key species by PFMA are presented in Table 2 and 3 (attached). Regional kept catch totals for July relative to recent 5-year averages are presented in Figures 1 through 4 (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)***

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

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

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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, August 2012.

Pacific Fishery Management Area (PFMA)	Number of Creel Interviews	Number of Effort Count Flights <sup>1</sup>	Effort			
			Estimate	% SE <sup>2</sup>	Year to date <sup>3</sup>	Year to date 5-yr average
11	139	8	629	18%	2056	1285
12	610	8	6022	11%	12892	15017
13	174	9	8966	8%	18145	14556
14	150	9	3561	8%	7549	5317
15	No survey this month				1513	1471
16	No survey this month				1435	2183
17	156	10	2555	12%	8483	5327
18	69	10	2228	6%	3908	2779
19	312	12	2546	6%	6289	5097
20	1045	14	11003	5%	22041	29437
21	7	9	138	23%	239	442
121	137	9	880	26%		
23	759	13	10639	6%		
123	200	8	2303	20%		
24	42	8	643	17%	1178	1143
124	89	8	1977	31%	3955	3101
25	559	9	5708	18%		
125	326	9	2035	17%		
26	Based on Logbooks	7	139		399	545
126	Based on Logbooks	7	1196		2375	1340
27	591	8	1367	12%	2433	3414
127	442	8	1536	19%	2928	2990
28	108	10	3057	16%	5845	3731
29	11	10	1789	15%	4543	3569
Totals <sup>4</sup>	5927		70916		153444	149683

<sup>1</sup> The number of flights where weather conditions allowed effort counts; not including on-water counts

<sup>2</sup> %SE is a measure of uncertainty; one Standard Error as a percentage of the estimate.

<sup>3</sup> 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)

<sup>4</sup> Individual flights cover multiple PFMA's, so an additive total is not appropriate



### South Coast Creel Survey Bulletin #4 – August 2012

**Table 2** Preliminary recreational kept catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), August 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 <sup>1</sup>	Year to date 5-yr. average <sup>1</sup>	Estimate	%SE	Year to date <sup>1</sup>	Year to date 5-yr. average <sup>1</sup>	Estimate	%SE	Year to date <sup>1</sup>	Year to date 5-yr. average <sup>1</sup>
11	537	25%	2719	2297	593	25%	2566	1076	0		0	0
12	2113	15%	5156	6820	698	21%	3469	3925	4	103%	4	2338
13	3955	21%	10136	7588	106	84%	365	512	0		0	0
14	1048	16%	2961	1576	60	55%	122	100	0		0	0
15	No survey this month		623	321	No survey this month		3	5	No survey this month		0	0
16	No survey this month				No survey this month				No survey this month			
17	559	34%	2631	876	0		0	0	0		0	0
18	233	62%	521	325	89	46%	89	118	18	76%	18	486
19	832	14%	1438	853	44	50%	127	34	0		0	0
20	7872	6%	14617	16328	4265	10%	14200	2932	38	72%	88	5375
21	31	85%	49	569	309	85%	364	97	0		0	0
121	3394	14%			2978	28%			8	93%		
23	11009	6%			1662	15%			20	64%		
123	6706	18%			7281	22%			0			
24	81	48%	1023	418	1074	17%	1854	1361	0		0	7
124	3710	23%	8808	9416	1604	36%	3061	2198	0		18	65
25	5855	22%			1515	16%			0		0	0
125	3027	13%			948	22%			0		0	0
26	35		417	1284	42		75	738	0		0	3
126	3959		8042	3807	931		1363	1339	0		0	88
27	680	16%	1664	2094	2330	15%	4584	7267	0		0	0
127	3702	18%	5754	5027	656	18%	1208	1446	0		0	0
28	227	31%	485	218	1354	36%	1574	271	0		0	0
29	582	32%	846	381	53	77%	64	85	7	102%	7	11179
Kept Total <sup>2</sup>	60147		131607	123091	28592		65845	49089	95		18154	67342

<sup>1</sup> Cumulative kept catch to date (June through September) summed across periods where surveys are active

<sup>2</sup> 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), August 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 <sup>1</sup>	Year to date 5-yr. average <sup>1</sup>	Estimate	%SE	Year to date <sup>1</sup>	Year to date 5-yr. average <sup>1</sup>	Estimate	%SE	Year to date <sup>1</sup>	Year to date 5-yr. average <sup>1</sup>
11	227	35%	1079	629	498	39%	2118	546	0		12	8
12	2051	15%	6820	7391	6843	17%	9570	7514	161	43%	351	545
13	4277	32%	8499	4997	10396	26%	13123	3967	1474	43%	2040	567
14	9872	15%	12552	2235	1749	30%	2466	501	0		0	0
15	No survey this month		3188	747	No survey this month		3	70	No survey this month		0	0
16	No survey this month				No survey this month				No survey this month			
17	6517	26%	8801	2011	307	37%	482	437	0		0	0
18	432	47%	606	348	126	105%	126	110	0		0	0
19	307	25%	485	470	252	35%	289	146	43	61%	43	35
20	3046	16%	5891	8009	9783	11%	32509	7417	478	35%	1099	893
21	0		0	0	0		139	162	0		0	0
121	853	24%			5523	25%			0			
23	804	21%			235	56%			0			
123	9655	19%			15178	21%			0			
24	303	38%	742	298	969	27%	1549	1201	0		0	0
124	4129	33%	10460	6526	4021	33%	6987	7584	265	99%	332	45
25	5541	20%			559	23%			0			
125	1833	35%			3048	19%			0			
26	35		446	255	0		504	18	0		8	0
126	3160		11959	4702	5648		11413	1212	23		63	163
27	707	16%	1601	1567	716	17%	2400	3932	0		8	25
127	1404	17%	2526	1494	2605	19%	4365	3341	10	78%	24	70
28	1348	41%	1463	501	678	39%	716	339	0		0	0
29	4043	41%	4303	1161	0		5	142	0		0	0
Kept Total <sup>2</sup>	60544		119533	75220	69134		136575	76328	2454		4366	4554

<sup>1</sup> Cumulative kept catch to date (June through September) summed across periods where surveys are active

<sup>2</sup> Including only those areas with in-season estimates this month



### South Coast Creel Survey Bulletin #4 – August 2012

**Table 4** Preliminary recreational kept catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), August 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 <sup>1</sup>			
	Estimate	%SE	Year to date <sup>2</sup>	Year to date 5-yr. average <sup>2</sup>	Estimate	%SE	Year to date <sup>2</sup>	Year to date 5-yr. average <sup>2</sup>	Estimate	%SE	Year to date <sup>2</sup>	Year to date 5-yr. average <sup>2</sup>
11	416	24%	2026	1939	452	34%	1131	597	884	23%	3405	1795
12	1248	18%	3147	3889	387	23%	865	619	771	20%	1907	2609
13	0		162	77	159	58%	750	507	1427	75%	1626	442
14	0		11	16	140	57%	180	240	368	31%	688	241
15	No survey this month		4	2	No survey this month		85	113	No survey this month		22	209
16	No survey this month				No survey this month				No survey this month			
17	13	113%	13	11	371	35%	1488	593	498	34%	1159	1264
18	0		0	0	38	82%	242	196	103	49%	581	424
19	355	25%	1012	877	95	54%	272	168	314	27%	1070	675
20	181	44%	449	631	177	30%	482	437	1579	15%	2997	2495
21	142	33%	163	421	31	85%	31	38	62	51%	62	69
121	1597	27%			106	45%			492	23%		
23	274	53%			217	56%			698	34%		
123	3537	23%			340	37%			574	32%		
24	20	40%	163	151	26	56%	103	142	56	39%	363	381
124	1678	29%	4796	2439	754	30%	917	444	1243	20%	2689	1361
25	95	33%			171	28%			680	31%		
125	1354	24%			2464	35%			3694	19%		
26	90		237	445	422		788	718	570		1185	464
126	1698		3876	2479	2220		6310	2572	1600		3573	1319
27	94	24%	313	628	184	22%	380	748	597	15%	1098	1866
127	1487	20%	3617	3704	2447	23%	5861	4240	2963	16%	6394	5263
28	0		0	0	0		0	0	0		5	299
29	0		0	0	25	98%	447	66	0		490	151
Kept Total <sup>3</sup>	14279		37366	38197	11226		27759	19953	19173		42258	34487

<sup>1</sup> All rockfishes; including those not identified to species

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

<sup>3</sup> 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), August 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 <sup>1</sup>			
	Estimate	%SE	Year to date <sup>2</sup>	Year to date 5-yr. average <sup>2</sup>	Estimate	%SE	Year to date <sup>2</sup>	Year to date 5-yr. average <sup>2</sup>	Estimate	%SE	Year to date <sup>2</sup>	Year to date 5-yr. average <sup>2</sup>
11	133	36%	484	266	249	38%	1018	591	276	26%	1293	684
12	226	32%	758	546	128	39%	1278	1014	950	18%	3942	5350
13	0		93	24	3097	35%	6062	1675	2305	53%	4304	1369
14	0		0	0	749	44%	1006	1339	51	46%	367	701
15	No survey this month		0	0	No survey this month		220	529	No survey this month		102	305
16	No survey this month				No survey this month				No survey this month			
17	0		163	5	1268	46%	2779	3162	1662	26%	4830	4335
18	0		0	0	258	57%	610	979	1227	48%	2586	1834
19	2	165%	40	50	419	34%	1027	2133	505	32%	1758	1401
20	0		0	0	964	25%	2049	4744	1524	24%	3685	3749
21	0		0	0	0		4	30	0		18	42
121	20	59%			0				231	38%		
23	14	73%			157	54%			495	38%		
123	552	37%			28	88%			349	53%		
24	0		0	0	76	47%	242	139	62	40%	172	211
124	630	51%	1061	198	873	36%	1522	498	1473	39%	1746	431
25	34	83%			305	38%			341	28%		
125	94	45%			452	33%			425	35%		
26	14		58	7	35		229	29	526		977	10
126	704		1669	867	590		2798	114	834		1690	66
27	14	53%	60	84	158	27%	381	388	285	23%	552	923
127	414	26%	1431	528	935	22%	1777	589	512	21%	1100	756
28	0		0	0	48	55%	48	85	0		0	0
29	0		0	0	122	64%	384	136	29	122%	296	147
Kept Total <sup>3</sup>	2851		7242	3906	10911		26221	21699	14062		34706	26334

<sup>1</sup> All rockfishes; including those not identified to species

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

<sup>3</sup> Including only those areas with in-season estimates this month