



## South Coast Creel Survey Bulletin #3 – July 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](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 #3 – July 2015**

**Contacts:**

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***West Coast Vancouver Island Survey (PFMA's 20 – 26 & 121 – 126)***  
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**South Coast Creel Survey Bulletin #3 – July 2015**

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

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	72	9	502	20%	906	993
12	692	9	4890	9%	6578	6974
13	289	10	8979	4%	15740	10052
14	136	10		-100%	3547	5384
15	No Survey this month					
16	No Survey this month					
17	No Survey this month					
18	No Survey this month					
19	221	10	2883	10%	4848	4150
20	801	13	10686	9%	15423	13116
21	8	8	171	55%	277	161
121	140	7	829	25%	1083	1081
23	916	18	8713	6%	15505	12240
123	409	9	1474	18%	2181	3164
24	155	9	324	22%	447	767
124	174	9	969	20%	1670	1805
25	685	10	4940	6%	4940	5773
125	164	9	687	23%	687	1031
26	Analysis not yet available					
126	Analysis not yet available					
27	298	7	1181	6%	1463	1448
127	96	6	959	8%	1285	1538
28	No Survey this month					
29	No Survey this month					
<b>Totals <sup>4</sup></b>	<b>5256</b>		<b>48187</b>		<b>76580</b>	<b>69677</b>

<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 (from June 2015) to date 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 #3 – July 2015**

**Table 2** Preliminary recreational kept catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), July 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 <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	899	28%	1789	2410	452	29%	532	1168	0		0	0
12	4270	11%	5420	3796	3552	11%	3637	3048	0		0	0
13	7416	16%	14707	8675	492	40%	529	3128	0		0	0
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	780	18%	1220	785	26	60%	26	77	9	103%	9	0
20	7442	8%	10915	7474	1792	19%	2159	4298	68	53%	68	62
21	133	69%	613	86	29	126%	29	46	0		7	0
121	4932	15%	5918	5112	914	29%	1053	2031	0		5	0
23	3501	19%	5743	6636	1213	19%	1446	3335	47479	6%	86220	35336
123	5814	17%	7088	10451	1233	33%	1449	2342	21	85%	39	117
24	294	29%	486	1306	175	28%	190	1480	0		0	0
124	2815	16%	4426	5490	246	28%	376	1355	7	92%	7	9
25	8301	7%	8301	8257	3129	11%	3129	3955	0		0	0
125	1487	26%	1487	1704	196	33%	196	676	0		0	0
26	Analysis not yet available											
126	Analysis not yet available											
27	1382	8%	1609	1624	2039	6%	2573	2377	0		0	0
127	904	15%	1488	2813	493	23%	635	905	0		0	0
28	No survey this month											
29	No survey this month											
Kept Total <sup>2</sup>	50370		71210	66619	15981		17959	30221	47584		86355	35524

<sup>1</sup> Cumulative kept catch (from June 2015) to date 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 #3 – July 2015**

**Table 3** Preliminary recreational released catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), July 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 <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	358	32%	614	781	88	41%	88	591	0		0	0
12	3916	11%	5100	3708	2446	13%	2488	2180	13	62%	13	99
13	3737	19%	5434	7188	4563	25%	4785	9182	1338	89%	1375	552
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	805	30%	1057	328	121	57%	149	153	0		0	0
20	6087	14%	8407	4501	4736	16%	5796	12262	816	32%	857	483
21	376	101%	380	28	318	98%	318	86	0		0	0
121	3907	22%	4263	3415	2686	29%	2903	3201	5	93%	5	0
23	2644	23%	3391	6073	522	32%	677	2920	381	37%	453	2740
123	3706	21%	4077	10647	3183	30%	3469	6714	21	64%	27	11
24	239	35%	280	424	172	31%	174	549	0		0	0
124	1960	20%	2185	4127	328	24%	549	3097	7	92%	7	59
25	4547	12%	4547	5577	2066	19%	2066	4219	12	101%	12	39
125	362	30%	362	1242	430	35%	430	2284	0		0	0
26	Analysis not yet available											
126	Analysis not yet available											
27	531	13%	544	998	1331	10%	1380	1373	0		0	0
127	590	32%	745	1274	1278	20%	1294	1012	0		0	0
28	No survey this month											
29	No survey this month											
Released Total <sup>2</sup>	33765		41386	50311	24268		26566	49823	2593		2749	3983

<sup>1</sup> Cumulative kept catch (from June 2015) to date 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 #3 – July 2015**

**Table 4** Preliminary recreational kept catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), July 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 <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	442	25%	803	1087	460	35%	753	547	1118	23%	1895	1463
12	1526	16%	2186	1803	448	31%	694	437	1256	14%	1751	1178
13	29	68%	66	135	1231	20%	3265	781	925	44%	1378	498
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	320	52%	378	956	31	70%	62	127	676	34%	1058	634
20	98	60%	268	575	177	36%	293	270	1591	18%	2196	1650
21	116	126%	126	61	0		3	10	0		5	38
121	1871	26%	2444	2913	35	49%	73	147	292	25%	337	400
23	101	52%	202	294	484	27%	698	429	2965	16%	4039	1708
123	1756	27%	2339	3729	239	31%	574	588	682	21%	1124	1911
24	39	40%	67	152	43	85%	67	200	108	38%	185	759
124	676	20%	1293	2021	333	34%	409	236	726	17%	1190	1182
25	165	46%	165	279	418	45%	418	364	1296	25%	1296	870
125	509	31%	509	751	779	32%	779	1013	1114	16%	1114	1062
26	Analysis not yet available											
126	Analysis not yet available											
27	620	6%	684	339	850	6%	906	415	1006	9%	1169	924
127	1068	16%	1346	1640	970	22%	1239	2701	1364	16%	1634	2673
28	No survey this month											
29	No survey this month											
<b>Kept Total<sup>3</sup></b>	<b>9336</b>		<b>12876</b>	<b>16735</b>	<b>6498</b>		<b>10233</b>	<b>8265</b>	<b>15119</b>		<b>20371</b>	<b>16950</b>

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

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

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



**South Coast Creel Survey Bulletin #3 – July 2015**

**Table 5** Preliminary recreational released catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), July 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 <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	55	53%	111	264	134	50%	331	523	559	36%	1659	583
12	367	44%	478	431	90	36%	398	963	1477	15%	2197	2798
13	118	96%	118	57	5521	24%	13587	2321	1724	25%	3335	1481
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	11	107%	11	118	879	27%	1307	1666	1043	47%	1310	1175
20	0		13	165	627	26%	1220	2842	1483	16%	2491	3072
21	116	126%	116	17	29	126%	88	9	0		20	39
121	164	34%	462	519	19	65%	61	37	79	47%	103	147
23	43	60%	58	39	1227	43%	1751	637	1041	31%	1648	1762
123	268	41%	370	418	488	91%	570	464	116	65%	119	244
24	2	101%	2	16	23	61%	96	128	452	61%	540	55
124	157	49%	277	262	97	34%	139	381	377	31%	671	453
25	0		0	0	304	43%	304	410	823	30%	823	919
125	93	81%	93	82	140	55%	140	495	232	48%	232	540
26	Analysis not yet available											
126	Analysis not yet available											
27	57	22%	69	91	112	16%	115	239	337	14%	355	248
127	371	39%	400	592	174	34%	186	564	265	30%	286	501
28	No survey this month											
29	No survey this month											
Released Total <sup>3</sup>	1822		2578	3071	9864		20293	11679	10008		15789	14017

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

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

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



**South Coast Creel Survey Bulletin #3 – July 2015**

**Table 6** Preliminary recreational kept Chinook catch estimates (number of fish) by Pacific Fishery Management Area (PFMA), July 2015, divided into Aggregate Abundance-based Management (AABM) and Individual Stock-based Management (ISBM) groupings.

Area	Region	AABM			ISBM		
		Estimate	Year to Date <sup>1</sup>	Year to Date 5-yr average <sup>2</sup>	Estimate	Year to Date <sup>1</sup>	Year to Date 5-yr average <sup>2</sup>
21	<b>Nitinat</b>	133	613	100	0	0	0
121	<b>Swiftsure Bank</b>	4932	5918	5100	0	0	0
23 -1,2	<b>Alberni Inlet</b>	0	0	50	0	0	0
23 - 3 to 11	<b>Barkley Sound</b>	3501	5743	6600	0	0	0
123	<b>Offshore Barkely</b>	5814	7088	10450	0	0	0
24	<b>Clayquot Sound</b>	294	486	1300	0	0	0
124	<b>Offshore Clayquot</b>	2815	4426	5500	0	0	0
25	<b>Nootka Snd. / Esperanza Inlet</b>	0	0	200	8301	8301	8200
125	<b>Offshore Nootka</b>	1487	1487	1700	0	0	0
26	<b>Kyuquot Sound</b>	Analysis not yet available					
126	<b>Offshore Kyuquot</b>	Analysis not yet available					
27	<b>Quatsino Sound</b>	0	227	400	1382	1382	1250
127	<b>Offshore Quatsino</b>	904	1488	2800	0	0	0
<b>Total</b>		<b>19880</b>	<b>27476</b>	<b>34200</b>	<b>9683</b>	<b>9683</b>	<b>9450</b>

<sup>1</sup> Cumulative kept (from June 2015) to date summed across periods where surveys are active.

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