



South Coast Creel Survey Bulletin #2 – June 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>

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.



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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, June 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	40	5	275	27%	275	285
12	289	5	2201	20%	2201	1580
13	432	8	4893	12%	4893	3401
14	No Survey this month					
15	No Survey this month					
16	No Survey this month					
17	No Survey this month					
18	20					
19	166	8	2123	18%	2123	1927
20	489	12	4972	19%	4972	5178
21	8	8	35	31%	35	51
121	74	8	472	16%	472	218
23	397	17	4766	5%	4766	4190
123	122	9	800	27%	800	1099
24	No Survey this month					
124	Based on Logbooks	8	194	38%	194	683
25	No Survey this month					
125	No Survey this month					
26	Analysis not yet available					
126	Analysis not yet available					
27	51	6	392	18%	392	325
127	20	5	212	32%	212	337
28	No Survey this month					
29	No Survey this month					
Totals 4	2136		21335		21330	19274

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



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Table 2 Preliminary recreational kept catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), June 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	927	32%	927	544	50	69%	50	91	0		0	0
12	1547	22%	1547	554	287	26%	287	149	0		0	0
13	6688	13%	6688	2111	376	25%	376	3229	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	273	35%	273	373	0		0	0	0		0	0
20	3221	13%	3221	2902	10	59%	10	1003	0		0	0
21	20	62%	20	79	0		0	0	0		0	0
121	1527	14%	1527	936	156	27%	156	421	0		0	0
23	2432	12%	2432	2219	242	35%	242	791	7218	7%	7218	13073
123	2755	26%	2755	3215	627	48%	627	656	0		0	0
24	No survey this month											
124	234	63%	234	1789	54	64%	54	397	0		0	0
25	No survey this month											
125	No survey this month											
26	Analysis Not Yet Available											
126	Analysis Not Yet Available											
27	485	29%	485	301	229	41%	229	563	0		0	0
127	305	29%	305	362	86	36%	86	123	0		0	0
28	No survey this month											
29	No survey this month											
Kept Total ²	20414		20414	15385	2117		2117	7423	7218		7218	13073

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



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Table 3 Preliminary recreational released catch estimates (number of fish) for key salmon species by Pacific Fishery Management Area (PFMA), June 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	477	35%	477	151	12	90%	12	15	0		0	0
12	1808	23%	1808	721	258	45%	258	140	12	72%	12	5
13	8043	14%	8043	1992	1445	18%	1445	5377	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	276	85%	276	98	0		0	0	0		0	0
20	1508	15%	1508	1615	88	60%	88	2656	0		0	0
21	10	69%	10	32	0		0	0	0		0	0
121	1885	21%	1885	587	117	69%	117	595	0		0	0
23	3541	17%	3541	1412	84	48%	84	838	9	102%	9	514
123	4206	32%	4206	2777	449	49%	449	2313	0		0	0
24	No survey this month											
124	241	71%	241	862	15	89%	15	1016	0		0	0
25	No survey this month											
125	No survey this month											
26	Analysis not yet available											
126	Analysis not yet available											
27	244	35%	244	154	10	113%	10	278	0		0	0
127	81	40%	81	142	4	76%	4	154	0		0	0
28	No survey this month											
29	No survey this month											
Released Total ²	22320		22320	10543	2482		2482	13382	21		21	519

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



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Table 4 Preliminary recreational kept catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), June 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	248	44%	248	337	29	54%	29	201	134	45%	134	589
12	876	30%	876	525	127	42%	127	105	415	24%	415	317
13	79	40%	79	78	536	28%	536	144	292	29%	292	177
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	690	36%	690	520	49	88%	49	73	289	55%	289	240
20	245	33%	245	353	92	42%	92	94	455	26%	455	600
21	42	58%	42	39	0		0	0	13	63%	13	6
121	1284	19%	1284	548	37	52%	37	15	196	31%	196	55
23	86	8%	86	95	448	33%	448	51	1913	25%	1913	276
123	1317	24%	1317	1182	353	35%	353	207	683	16%	683	786
24	No survey this month											
124	388	52%	388	648	75	88%	75	83	100	60%	100	348
25	No survey this month											
125	No survey this month											
26	Analysis not yet available											
126	Analysis not yet available											
27	5	43%	5	103	6	64%	6	133	86	57%	86	246
127	66	55%	66	440	88	63%	88	614	207	59%	207	673
28	No survey this month											
29	No survey this month											
Kept Total ³	5326		5326	4868	1840		1840	1720	4783		4783	4313

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



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Table 5 Preliminary recreational released catch estimates (number of fish) for key groundfish species by Pacific Fishery Management Area (PFMA), June 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	40	75%	40	83	24	71%	24	130	179	52%	179	146
12	163	40%	163	106	191	36%	191	281	1004	26%	1004	755
13	0		0	0	903	16%	903	837	923	36%	923	472
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	73	129%	73	56	646	50%	646	716	330	48%	330	556
20	14	63%	14	115	1116	29%	1116	1401	1114	37%	1114	1203
21	17	65%	17	13	0		0	0	13	83%	13	18
121	285	30%	285	89	0		0	0	37	53%	37	10
23	2		2	22	461	31%	461	139	2714	44%	2714	113
123	243	43%	243	141	56	91%	56	188	51	57%	51	30
24	No survey this month											
124	92	78%	92	55	46	110%	46	174	106	81%	106	61
25	No survey this month											
125	No survey this month											
26	Analysis not yet available											
126	Analysis not yet available											
27	1	71%	1	28	2	100%	2	65	24	66%	24	53
127	17	81%	17	156	26	114%	26	75	26	114%	26	184
28	No survey this month											
29	No survey this month											
Released Total³	947		947	864	3471		3471	4006	6521		6521	3601

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



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Table 6 Preliminary recreational kept Chinook catch estimates (number of fish) by Pacific Fishery Management Area (PFMA), June 2014, divided into Aggregate Abundance-based Management (AABM) and Individual Stock-based Management (ISBM) groupings³.

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	20	20	100	0	0	0
121	Swiftsure Bank	1527	1527	950	0	0	0
23 -1,2	Alberni Inlet	0	0	0	0	0	0
23 - 3 to 11	Barkley Sound	2364	2364	2200	68	68	0
123	Offshore Barkely	2755	2755	3200	0	0	0
24	Clayquot Sound	No Estimate	0	250	0	0	0
124	Offshore Clayquot	234	234	1800	0	0	0
25	Nootka Snd. / Esperanza Inlet	No Estimate	0	200	0	0	0
125	Offshore Nootka	No Estimate	0	1000	0	0	0
26	Kyuquot Sound	No Estimate	0	100	0	0	0
126	Offshore Kyuquot	No Estimate	0	700	0	0	0
27	Quatsino Sound	485	485	300	0	0	0
127	Offshore Quatsino	305	305	350	0	0	0
Total		7690	7690	11150	68	68	0

¹ Cumulative kept (from June 2014) to date summed across periods where surveys are active.

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

³ PFMA's break outs are WCVI only as all inside waters are considered ISBM