



South Coast Creel Survey Bulletin #3 – July 2010

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 2010, 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 by Pacific Fishery Management Area (PFMA) are presented in Table 1 (attached). A map of PFMA's is available in Bulletin #1 of 2010 (Overview Bulletin) or alternatively in the 2009-2011 British Columbia Tidal Waters Sport Fishing Guide.

Recreational Catch Estimates:

A summary of preliminary recreational effort and kept and released catch estimates by Pacific Fishery Management Area (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 5 (attached). A map of PFMA's is available in Bulletin #1 of 2010 (Overview Bulletin) or alternatively in the 2009-2011 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, 26, 27, 126 & 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 – 25 & 121 – 125)

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Table 1 Creel survey statistics (interviews and number of flights) and preliminary effort estimates (number of boat trips) by Pacific Fishery Management Area, July 2010.

Pacific Fishery Management Area (PFMA)	Number of Creel Interviews	Number of Effort Count Flights ¹	Effort	
			Estimate	%SE ²
11	197	6	370	28%
12	1015	8	5,990	19%
13	126	10	4,487	7%
14	120	10	1,570	11%
15	26	10	501	14%
16	66	10	1,191	9%
17	142	10	2,378	9%
18	51	10	1,079	9%
19	213	10	2,455	10%
20	919	6	9,902	11%
21	16	6	6	92%
121	169	6	333	31%
23	902	6	11,830	6%
123	366	6	1,655	26%
24	115	6	369	18%
124	114	6	603	32%
25	382	6	5,437	10%
125	176	6	593	18%
26	In-season Estimate Unavailable			
126	In-season Estimate Unavailable			
27	212	8	1,219	15%
127	295	6	1,808	18%
28	54	10	1,992	9%
29	26	10	538	13%
Totals ³	5,702		56,306	

¹ The number of flights where weather conditions allowed effort counts

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

³ Flights cover multiple PFMA's, so are not additive.



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Table 2 Preliminary recreational kept catch (pieces) estimates for key species by Pacific Fishery Management Area (PFMA), July 2010. 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		Halibut		Lincod		Rockfish ¹	
	Estimate	%SE	Estimate	%SE	Estimate	%SE	Estimate	%SE	Estimate	%SE	Estimate	%SE
11	712	24%	226	32%			484	30%	264	28%	392	22%
12	3,656	15%	1,710	18%			914	29%	267	27%	787	16%
13	3,999	21%	379	49%			26	68%			79	68%
14	481	15%	89	34%					13	47%	77	35%
15	71	62%					9	78%				
16	44	43%					10	103%	185	39%	310	23%
17	469	29%							206	43%	646	62%
18	92	35%							38	64%	290	27%
19	270	34%	10	105%			542	25%	68	59%	514	44%
20	3,747	28%	91	206%			494	12%	210	16%	1,892	23%
21	1	164%					1	164%	2	164%	3	164%
121	1,465	60%	659	61%			1,013	56%	29	77%	179	91%
23	4,434	63%	259	101%	55,294	13%	125	83%	169	71%	1,295	89%
123	7,781	54%	838	57%			2,035	55%	121	68%	354	89%
24	110	97%	212	75%			27	81%	30	113%	141	102%
124	1,894	83%	184	74%			336	79%	67	93%	109	123%
25	6,710	39%	594	56%			438	65%	429	60%	975	94%
125	690	56%	60	82%			453	57%	533	58%	600	76%
26							In-season Estimates Unavailable					
126							In-season Estimates Unavailable					
27	989	18%	456	21%	17	61%	196	33%	261	28%	703	19%
127	3,846	15%	469	20%	16	55%	1,283	18%	1,875	22%	2,012	15%
28	123	58%	416	57%					14	101%	630	59%
29	27	59%	83	44%					5	106%	126	58%
Kept Total ²	41,608		6,736		55,328		8,387		4,786		12,114	

¹ All rockfishes; including those not identified to species

² Including only those areas with in-season estimates this month.



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Table 3 Preliminary recreational released catch (pieces) estimates for key species by Pacific Fishery Management Area (PFMA), July 2010. 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.

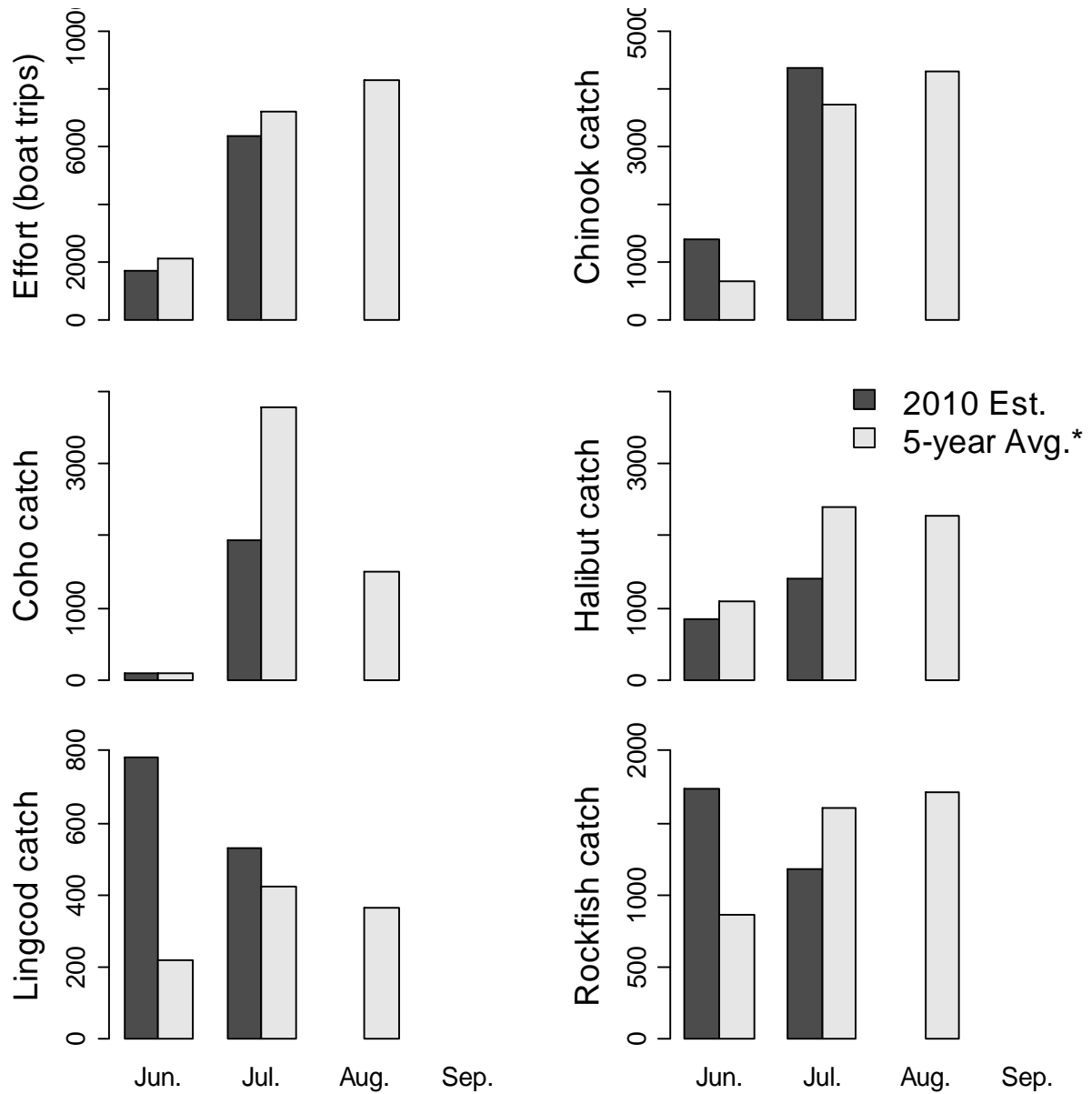
Pacific Fishery Management Area (PFMA)	Chinook		Coho		Sockeye		Halibut		Lincod		Rockfish ¹	
	Estimate	%SE	Estimate	%SE	Estimate	%SE	Estimate	%SE	Estimate	%SE	Estimate	%SE
11	345	21%	182	32%	3	87%	57	52%	237	33%	276	28%
12	4,862	13%	1,523	21%	87	56%	231	51%	953	23%	2,961	17%
13	1,191	24%	1,057	30%	100	63%			534	51%		
14	405	19%	269	32%			3	68%	279	22%	196	24%
15	372	44%							38	105%		
16	110	62%							2,286	29%	1,160	24%
17	794	28%	60	84%					1,373	27%	2,139	23%
18	143	37%							631	27%	1,520	20%
19	31	101%					33	86%	2,556	33%	790	32%
20	574	49%	229	46%	29	85%			4,213	22%	2,619	34%
21									5	146%	8	164%
121	818	69%	1,531	62%			245	69%	20	124%	20	128%
23	2,469	76%	66	109%	4,664	20%			617	68%	603	97%
123	7,599	56%	1,341	63%			171	98%	568	67%	263	106%
24	65	110%	93	104%					113	94%	35	98%
124	1,467	77%	321	96%	16	156%	26	120%	338	83%	158	127%
25	4,228	72%	453	100%			137	78%	615	72%	351	94%
125	413	86%	203	89%			14	100%	475	69%	328	86%
26					In-season Estimates Unavailable							
126					In-season Estimates Unavailable							
27	781	18%	187	31%	12	108%	46	58%	437	33%	456	20%
127	2,315	15%	260	24%	32	67%	398	23%	731	25%	792	14%
28	164	47%	364	38%					84	57%	982	74%
29	33	51%	104	34%					17	59%	184	76%
Released Total ²	29,178		8,243		4,944		1,359		17,120		15,841	

¹ All rockfishes; including those not identified to species

² Including only those areas with in-season estimates this month.



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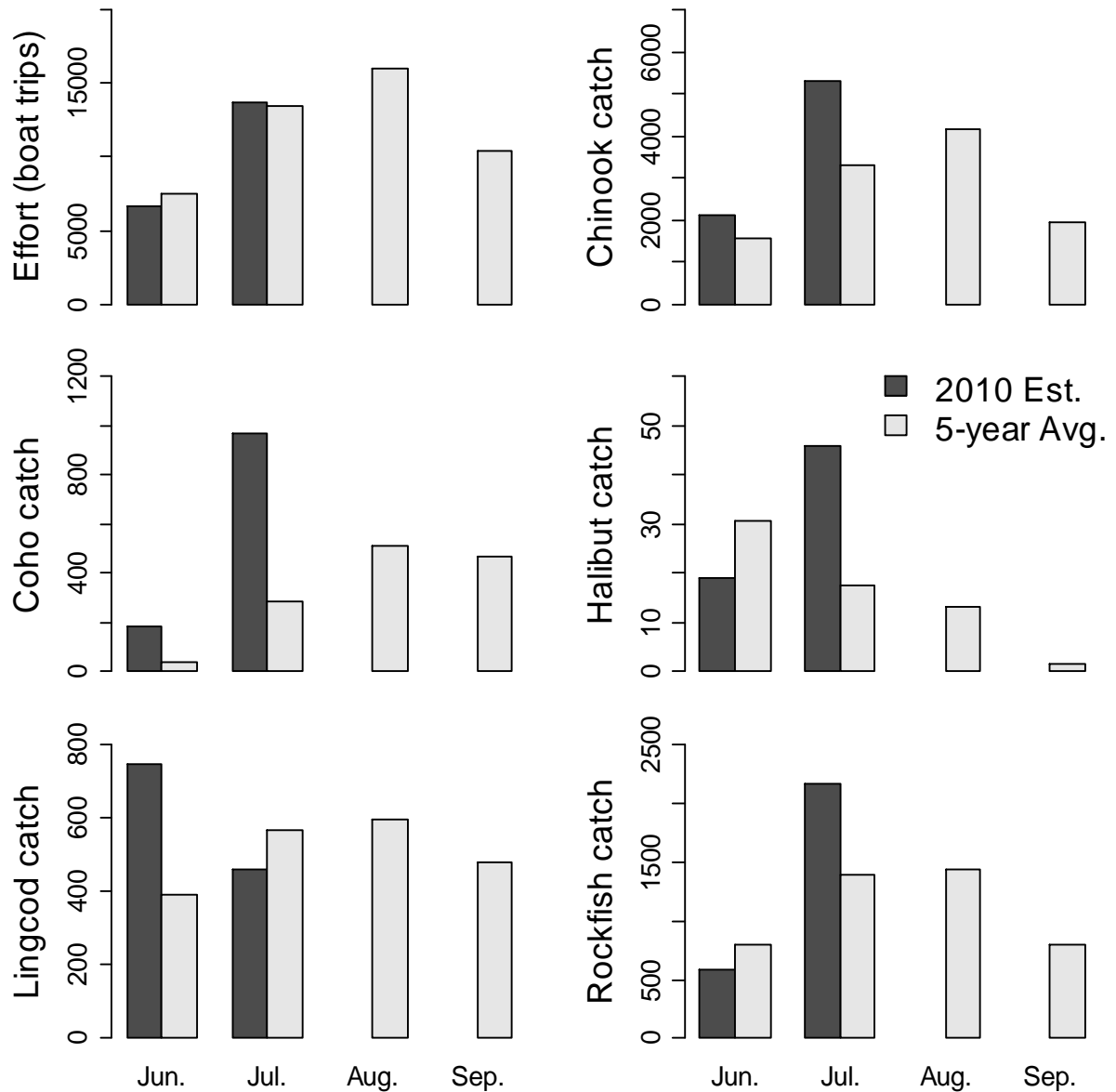


Monthly estimates - Johnstone Strait (PFMA 11,12)

Figure 1 Monthly estimates of effort and kept catch by species in 2010 (dark bars) and the average over the last five years (2005 to 2009 average, light bars) in July and August or past estimates from the last two years (2008 & 2009) in June for Johnstone Strait (PFMA 11, 12).



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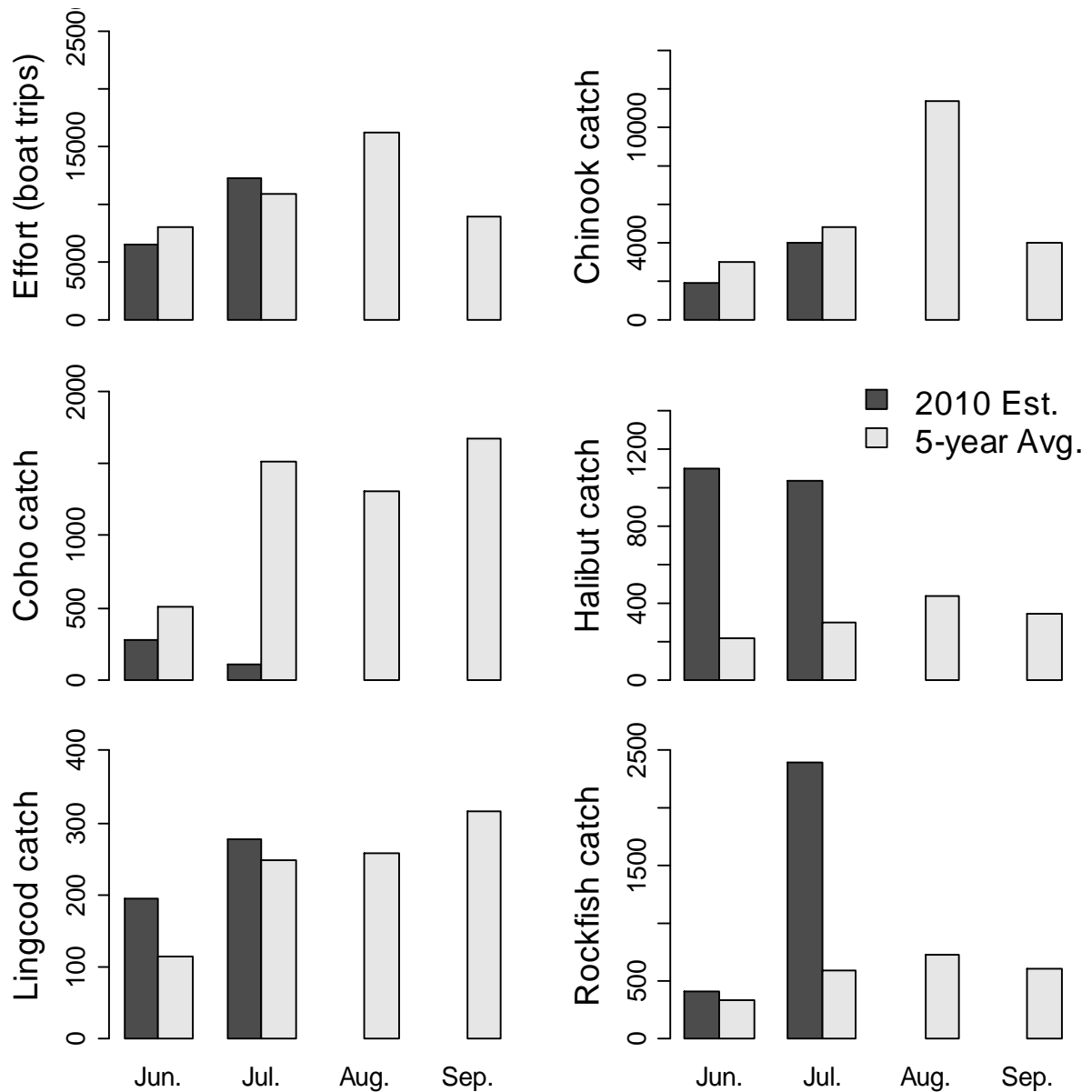


Monthly estimates - Strait of Georgia (PFMA 13-18,28,29)

Figure 2 Monthly estimates of effort and kept catch by species in 2010 (dark bars) and the average over the last five years (2005 to 2009 average, light bars) for Strait of Georgia (PFMA 13 – 18, 28 & 29).



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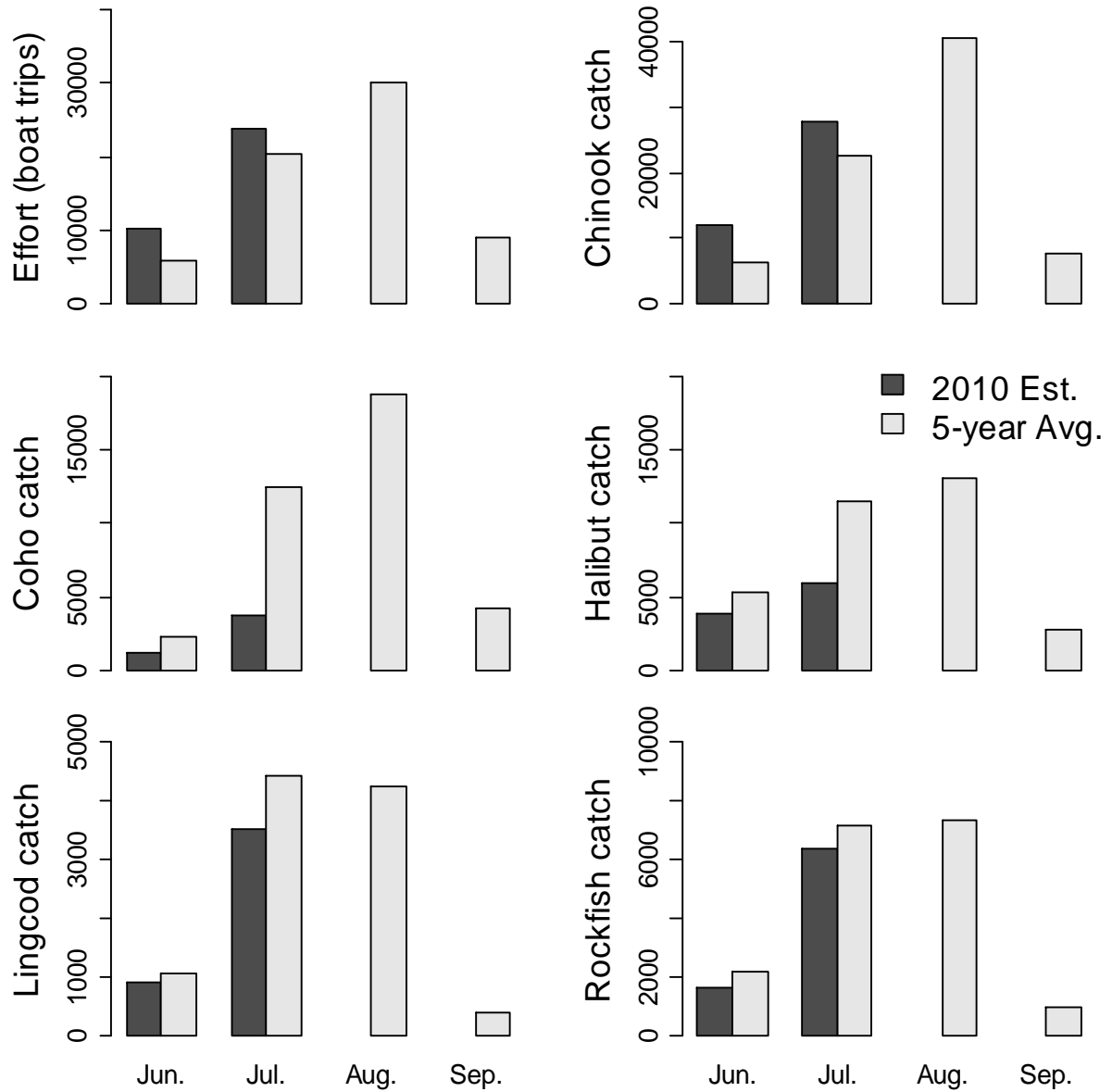


Monthly estimates - Juan de Fuca Strait (PFMA 19-20)

Figure 4 Monthly estimates of effort and kept catch by species in 2010 (dark bars) and the average over the last five years (2005 to 2009 average, light bars) for Juan de Fuca Strait (including all of PFMA's 19 & 20).



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Monthly estimates - WCVI (PFMA 21,23-27,121-127)

Figure 3 Monthly estimates of effort and kept catch by species in 2010 (dark bars) and the average over the last five years (2005 to 2009 average, light bars) for the WCVI Creel Survey (PFMA's 21, 23-27, 121-127).