

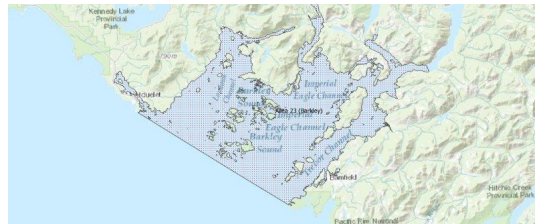
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 23 (Barkley) August 2019



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Thursday 27<sup>th</sup> August, 2020



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

**your  
catch  
counts**

The logo for 'Your Catch Counts' features the text 'your catch counts' in a bold, blue, sans-serif font. To the right of the word 'catch' is a stylized blue icon of a fisherman holding a fishing rod, with a fish on the line.

**Table 1: Numbers of Interviews conducted contributing to the area by day and access site.**

Date	Day Type	China Creek			Clutesi Marina	Clutesi Ramp			Eagle Marine (Fuel Dock)			Island West			McKay Bay Gas Dock		Method Marine	Poett Nook			Seabeam Resort			Tofino Resort and Marina		Ucluelet Gov Dock		
		AM	MD	PM	AM	AM	MD	PM	AM	MD	PM	AM	MD	PM	AM	MD	MD	AM	MD	PM	AM	MD	PM	AM	MD	AM	MD	PM
29 Jul 2019	Midweek								1																			
30 Jul 2019	Midweek																											2
31 Jul 2019	Midweek																											
01 Aug 2019	Midweek	1												6					12									8
02 Aug 2019	Midweek																											
03 Aug 2019	Weekend						3						4									6						11
04 Aug 2019	Weekend	6																										
05 Aug 2019	Weekend						2						9															
06 Aug 2019	Midweek													17														8
07 Aug 2019	Midweek											5																3
08 Aug 2019	Midweek																	2										
09 Aug 2019	Midweek													9														6
10 Aug 2019	Weekend																											
11 Aug 2019	Weekend																											
12 Aug 2019	Midweek	1																										
13 Aug 2019	Midweek																											
14 Aug 2019	Midweek																											
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28 Aug 2019	Midweek																											
29 Aug 2019	Midweek																											
30 Aug 2019	Midweek																											
31 Aug 2019	Weekend																											
01 Sep 2019	Weekend																											
02 Sep 2019	Weekend																											
03 Sep 2019	Midweek																											

Table 2: Daily tally of interviews, catch and effort.

Date	Day	Average Fishing Conditions	Interviews & Log Trips	Chinook	Coho	Sockeye	Halibut	Observed Fishing	Flight Time	Expanded Fishing
29-Jul-2019	Monday	calm/rippled	3	8	4					
30-Jul-2019	Tuesday	choppy	4	2	6			94	0745	168
31-Jul-2019	Wednesday	calm/rippled	8	6	10		4			
01-Aug-2019	Thursday	calm/rippled	27	12	25					
02-Aug-2019	Friday	frequent whitecaps	9	20	27					
03-Aug-2019	Saturday	calm/rippled	26	19	40		3			
04-Aug-2019	Sunday	calm/rippled	9	6	14			248	0749	400
05-Aug-2019	Monday (B.C. Day)	calm/rippled	17	20	7		1			
06-Aug-2019	Tuesday	calm/rippled	27	30	17					
07-Aug-2019	Wednesday	calm/rippled	18	22	29		3			
08-Aug-2019	Thursday	choppy	7	14	11		3	104	0834	165
09-Aug-2019	Friday	calm/rippled	22	48	19		2			
10-Aug-2019	Saturday	calm/rippled	26	49	24		3	191	0744	307
11-Aug-2019	Sunday	choppy	15	18	5					
12-Aug-2019	Monday	choppy	7	11	11					
13-Aug-2019	Tuesday	calm/rippled	26	38	25		1			
14-Aug-2019	Wednesday	calm/rippled	10	15	5		2			
15-Aug-2019	Thursday	choppy	15	46	13					
16-Aug-2019	Friday	choppy	19	43	8			243	0743	414
17-Aug-2019	Saturday	choppy	26	68	25		6	279	0741	443
18-Aug-2019	Sunday	calm/rippled	10	33	8		2			
19-Aug-2019	Monday	choppy	24	64	24			249	0836	389
20-Aug-2019	Tuesday	calm/rippled	30	77	11		3			
21-Aug-2019	Wednesday	choppy	13	38	14					
22-Aug-2019	Thursday	choppy	15	40	10					
23-Aug-2019	Friday	calm/rippled	40	109	27		1			
24-Aug-2019	Saturday	calm/rippled	22	43	15		1	283	0947	450
25-Aug-2019	Sunday	choppy	13	18	1					
26-Aug-2019	Monday	calm/rippled	23	62	8		1			
27-Aug-2019	Tuesday	choppy	12	36	2					
28-Aug-2019	Wednesday	choppy	16	52	16					
29-Aug-2019	Thursday		5	26	7			187	0842	295
30-Aug-2019	Friday	choppy	12	33	1					
31-Aug-2019	Saturday	choppy	12	50	6			439	0755	718
01-Sep-2019	Sunday	calm/rippled	16	17	14					
02-Sep-2019	Monday (Labour Day)		3	17	2					
03-Sep-2019	Tuesday	calm/rippled	5	6	2					
	Totals	choppy	377	836	310		16	196*		316*
	Totals	calm/rippled	176	324	145		16	288*		464*

\* Average number of boats Observed and Expanded

**Table 3: Simple area based cpue (catch per boat trip) expansion.**

Day Type	Average Expanded Boats	Number of Days	Total Estimated Effort	CPUE				Retained			
				Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut
Weekend	464	10	4640	1.8410	0.8240		0.0910	8542	3823		422
Midweek	316	21	6636	2.2180	0.8220		0.0420	14719	5455		279

**Table 4: Recent years estimates of retained catch and effort.**

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	August	6485	5791	3728	154	79
2015	August	4764	4474	3551	229	4
2016	August	7176	8030	3698	246	56
2017	August	8978	9725	2002	3	305
2018	August	7708	8474	3129	96	12
2019	August	9544	12957	5321		117
5-Yr Avg	August	7022	7299	3222	146	91

**Table 5: Sport Head Recovery Review.**

Species	Creel Marked Catch	Creel Mark Rate	Creel Submission Rate	iRec Marked Catch	iRec Mark Rate	iRec Submission Rate	Sport Head Recoveries
Coho	1324	27%	9%	1680	40%	7%	124
Chinook	1564	14%	9%	1749	20%	8%	145

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	950	11%
iRec Anglers	14356	9%
iRec Responses	339	23%

Figure 1: Proportion of each day's fishing by hour.

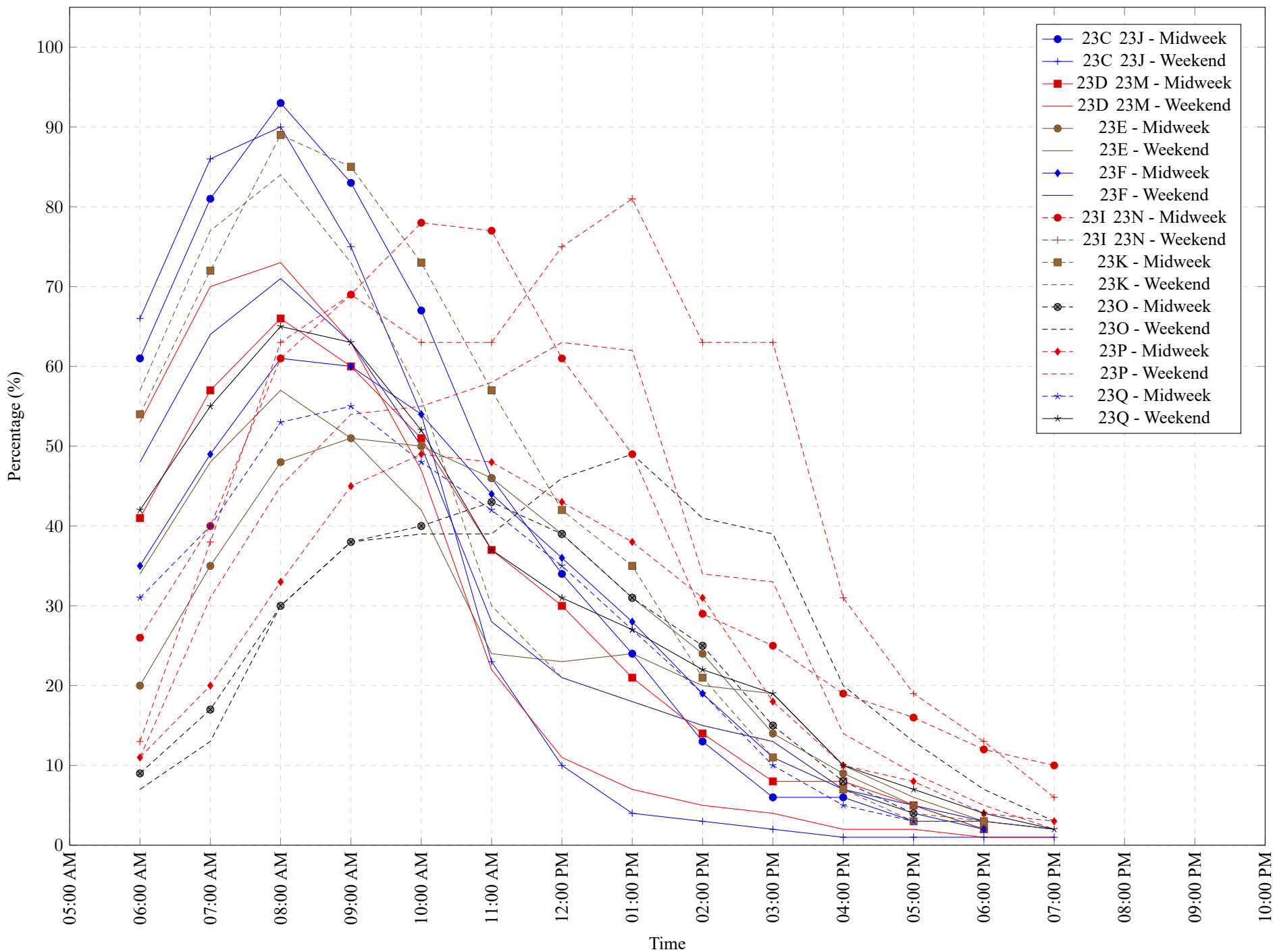


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	01:00 PM	02:00 PM	03:00 PM	04:00 PM	05:00 PM	06:00 PM	07:00 PM	08:00 PM	09:00 PM	10:00 PM
23C 23J	Midweek	61%	81%	93%	83%	67%	46%	34%	24%	13%	6%	6%	3%	3%	0%	0%	0%	0%
23C 23J	Weekend	66%	86%	90%	75%	54%	23%	10%	4%	3%	2%	1%	1%	1%	1%	0%	0%	0%
23D 23M	Midweek	41%	57%	66%	60%	51%	37%	30%	21%	14%	8%	8%	5%	2%	0%	0%	0%	0%
23D 23M	Weekend	53%	70%	73%	63%	47%	22%	11%	7%	5%	4%	2%	2%	1%	1%	0%	0%	0%
23E	Midweek	20%	35%	48%	51%	50%	46%	39%	31%	24%	14%	9%	5%	2%	0%	0%	0%	0%
23E	Weekend	34%	48%	57%	51%	42%	24%	23%	24%	20%	19%	10%	6%	3%	2%	0%	0%	0%
23F	Midweek	35%	49%	61%	60%	54%	44%	36%	28%	19%	11%	7%	4%	2%	0%	0%	0%	0%
23F	Weekend	48%	64%	71%	63%	50%	28%	21%	18%	15%	13%	7%	5%	3%	2%	0%	0%	0%
23I 23N	Midweek	26%	40%	61%	69%	78%	77%	61%	49%	29%	25%	19%	16%	12%	10%	0%	0%	0%
23I 23N	Weekend	13%	38%	63%	69%	63%	63%	75%	81%	63%	63%	31%	19%	13%	6%	0%	0%	0%
23K	Midweek	54%	72%	89%	85%	73%	57%	42%	35%	21%	11%	7%	3%	3%	0%	0%	0%	0%
23K	Weekend	57%	77%	84%	73%	56%	30%	21%	18%	15%	13%	7%	4%	3%	2%	0%	0%	0%
23O	Midweek	9%	17%	30%	38%	40%	43%	39%	31%	25%	15%	8%	4%	0%	0%	0%	0%	0%
23O	Weekend	7%	13%	30%	38%	39%	39%	46%	49%	41%	39%	20%	13%	7%	3%	0%	0%	0%
23P	Midweek	11%	20%	33%	45%	49%	48%	43%	38%	31%	18%	10%	8%	4%	3%	0%	0%	0%
23P	Weekend	11%	31%	45%	54%	55%	58%	63%	62%	34%	33%	14%	9%	5%	2%	0%	0%	0%
23Q	Midweek	31%	40%	53%	55%	48%	42%	35%	27%	19%	10%	5%	3%	0%	0%	0%	0%	0%
23Q	Weekend	42%	55%	65%	63%	52%	37%	31%	27%	22%	19%	10%	7%	4%	2%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Marina	Clutesi Ramp	Eagle Marine (Fuel Dock)	Island West	McKay Bay Gas Dock	Method Marine	Poett Nook	Seabeam Resort	Tofino Resort and Marina	Ucluelet Gov Dock
29 Jul 2019	Midweek				calm/rippled							
30 Jul 2019	Midweek											choppy
31 Jul 2019	Midweek			calm/rippled	calm/rippled							
01 Aug 2019	Midweek	calm/rippled				calm/rippled			calm/rippled			calm/rippled
02 Aug 2019	Midweek				choppy					frequent whitecaps		
03 Aug 2019	Weekend			calm/rippled		calm/rippled				calm/rippled		calm/rippled
04 Aug 2019	Weekend	calm/rippled										
05 Aug 2019	Weekend			calm/rippled	calm/rippled					calm/rippled		
06 Aug 2019	Midweek					calm/rippled		calm/rippled				calm/rippled
07 Aug 2019	Midweek				calm/rippled					calm/rippled		calm/rippled
08 Aug 2019	Midweek						choppy					
09 Aug 2019	Midweek			calm/rippled		calm/rippled						calm/rippled
10 Aug 2019	Weekend				calm/rippled		calm/rippled					
11 Aug 2019	Weekend			choppy	calm/rippled							
12 Aug 2019	Midweek	calm/rippled				calm/rippled	calm/rippled			choppy		choppy
13 Aug 2019	Midweek			calm/rippled								
14 Aug 2019	Midweek				calm/rippled							
15 Aug 2019	Midweek			calm/rippled						choppy		choppy
16 Aug 2019	Midweek			choppy								
17 Aug 2019	Weekend					choppy						
18 Aug 2019	Weekend											calm/rippled
19 Aug 2019	Midweek				choppy					choppy		
20 Aug 2019	Midweek	calm/rippled							calm/rippled			choppy
21 Aug 2019	Midweek				choppy							
22 Aug 2019	Midweek											choppy
23 Aug 2019	Midweek	choppy				calm/rippled	choppy					
24 Aug 2019	Weekend	frequent whitecaps							calm/rippled		calm/rippled	
25 Aug 2019	Weekend			calm/rippled								choppy
26 Aug 2019	Midweek		calm/rippled			calm/rippled					calm/rippled	calm/rippled
27 Aug 2019	Midweek			choppy								choppy
28 Aug 2019	Midweek				calm/rippled					frequent whitecaps		calm/rippled
29 Aug 2019	Midweek											
30 Aug 2019	Midweek			calm/rippled	choppy						choppy	
31 Aug 2019	Weekend									choppy		
01 Sep 2019	Weekend			calm/rippled								calm/rippled
02 Sep 2019	Weekend											
03 Sep 2019	Midweek											calm/rippled