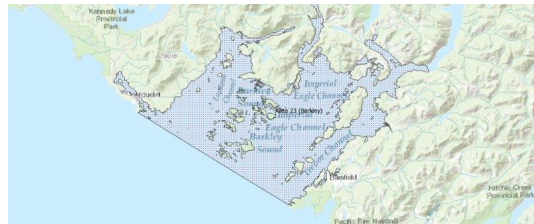


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Barkley) July 2020



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 20th February, 2021



Fisheries and Oceans
Canada

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**your
catch
counts**

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

Date	Day Type	China Creek			Clutesi Ramp			Eagle Marine (Fuel Dock)		Island West			McKay Bay Gas Dock			Mills Landing		Tofino Resort and Marina		Ucluelet Gov Dock		
		AM	MD	PM	AM	MD	PM	AM	MD	AM	MD	PM	AM	MD	PM	AM	MD	MD	PM	AM	MD	PM
28 Jun 2020	Weekend				5																	
29 Jun 2020	Midweek																					
30 Jun 2020	Midweek																					
01 Jul 2020	Weekend	2																				
02 Jul 2020	Midweek																					
03 Jul 2020	Midweek							11					8								12	
04 Jul 2020	Weekend																1				22	
05 Jul 2020	Weekend				1								6									
06 Jul 2020	Midweek									8												
07 Jul 2020	Midweek							16														
08 Jul 2020	Midweek												1									
09 Jul 2020	Midweek																	2				
10 Jul 2020	Midweek						5														6	
11 Jul 2020	Weekend																					
12 Jul 2020	Weekend									3						2		2			9	
13 Jul 2020	Midweek						1						1									
14 Jul 2020	Midweek				2																	
15 Jul 2020	Midweek																			4		
16 Jul 2020	Midweek					1															12	
17 Jul 2020	Midweek							5														
18 Jul 2020	Weekend																3				12	
19 Jul 2020	Weekend				4								2									
20 Jul 2020	Midweek																					
21 Jul 2020	Midweek																					
22 Jul 2020	Midweek																				14	
23 Jul 2020	Midweek							2														
24 Jul 2020	Midweek			1						5												
25 Jul 2020	Weekend		2																	3		
26 Jul 2020	Weekend							7														
27 Jul 2020	Midweek						6															
28 Jul 2020	Midweek							2								2						
29 Jul 2020	Midweek		2									7										
30 Jul 2020	Midweek																				6	
31 Jul 2020	Midweek				1															5		
01 Aug 2020	Weekend	1																			14	
02 Aug 2020	Weekend																					
03 Aug 2020	Weekend												3								8	

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
28-Jun-2020	Sunday	calm/rippled	5	4						
29-Jun-2020	Monday		0							
30-Jun-2020	Tuesday		0					75	0837	90
01-Jul-2020	Wednesday (Canada Day)	frequent whitecaps	2	1						
02-Jul-2020	Thursday	calm/rippled	12	3	8					
03-Jul-2020	Friday	choppy	19	29			2			
04-Jul-2020	Saturday	calm/rippled	23	32			2	134	0740	170
05-Jul-2020	Sunday	calm/rippled	7	4						
06-Jul-2020	Monday	calm/rippled	8	2	1					
07-Jul-2020	Tuesday	calm/rippled	16	26	1			35	0743	42
08-Jul-2020	Wednesday	calm/rippled	1							
09-Jul-2020	Thursday	calm/rippled	2	1						
10-Jul-2020	Friday	calm/rippled	11	19						
11-Jul-2020	Saturday	choppy	9	18	3			86	0739	105
12-Jul-2020	Sunday	calm/rippled	7	5						
13-Jul-2020	Monday	choppy	2	4						
14-Jul-2020	Tuesday	calm/rippled	2							
15-Jul-2020	Wednesday	choppy	4	7						
16-Jul-2020	Thursday	calm/rippled	13	22			2			
17-Jul-2020	Friday	choppy	6	8	1		2	61	0741	78
18-Jul-2020	Saturday	choppy	16	36			6			
19-Jul-2020	Sunday	calm/rippled	6	6						
20-Jul-2020	Monday		0					51	0742	62
21-Jul-2020	Tuesday		1	6						
22-Jul-2020	Wednesday	choppy	14	15	3		2			
23-Jul-2020	Thursday	choppy	2	1						
24-Jul-2020	Friday	choppy	6	15	6					
25-Jul-2020	Saturday	calm/rippled	5	3	1			74	0727	85
26-Jul-2020	Sunday	calm/rippled	7	9				97	0738	112
27-Jul-2020	Monday	frequent whitecaps	6	9		1				
28-Jul-2020	Tuesday	choppy	4	3						
29-Jul-2020	Wednesday	calm/rippled	9	10			1	38	0927	54
30-Jul-2020	Thursday	calm/rippled	8	17	4					
31-Jul-2020	Friday	calm/rippled	6	10			1			
01-Aug-2020	Saturday	choppy	16	16	5		1	107	0925	143
02-Aug-2020	Sunday		1	1				169	0842	211
03-Aug-2020	Monday (B.C. Day)	calm/rippled	12	20	10		2			
	Totals	choppy	152	207	24	1	10	46*		59*
	Totals	calm/rippled	82	114	4		8	98*		118*

* 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	118	9	1062	1.39	0.0490		0.0980	1476	52		104
Midweek	59	22	1298	1.3620	0.1580	0.0070	0.0660	1768	205	9	86

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	July	3270	2965	971	3358	68
2016	July	2684	1109	55	781	115
2017	July	3237	1250	434	898	47
2018	July	4550	3740	1310	50	11
2019	July	6337	8212	6009	6	110
2020	July	2481	3069	217	254	101
5-Yr Avg	July	4016	3455	1756	1019	70

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	61	30%	3%	300	64%	1%	2
Chinook	803	29%	6%	451	28%	10%	45

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	276	38%
iRec Anglers	5510	11%

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

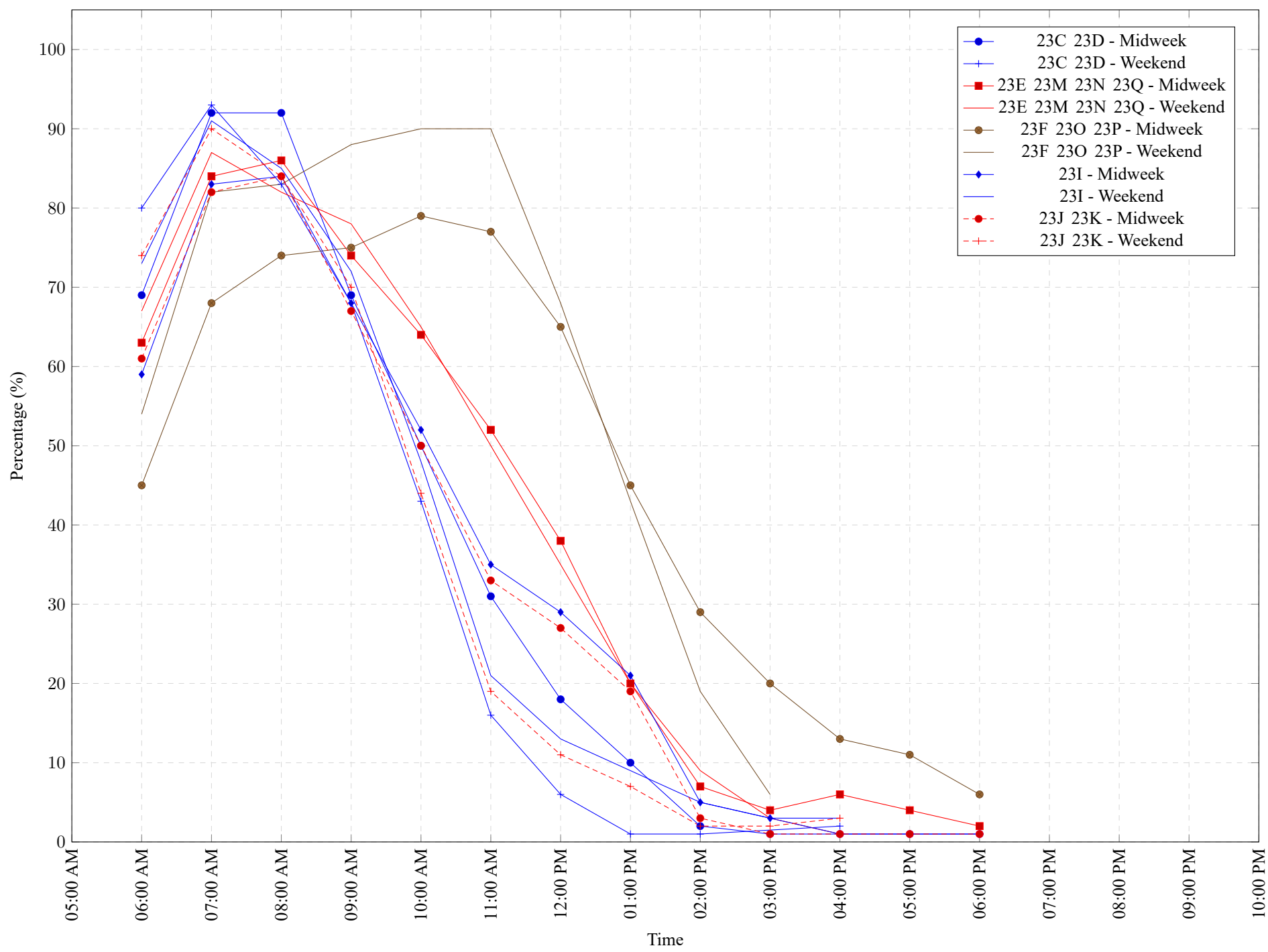


Table 7: Proportion of each day's fishing by hour.

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 23D	Midweek	69%	92%	92%	69%	50%	31%	18%	10%	2%	1%	1%	1%	1%	0%	0%	0%	0%
23C 23D	Weekend	80%	93%	83%	68%	43%	16%	6%	1%	1%	0%	2%	0%	0%	0%	0%	0%	0%
23E 23M 23N 23Q	Midweek	63%	84%	86%	74%	64%	52%	38%	20%	7%	4%	6%	4%	2%	0%	0%	0%	0%
23E 23M 23N 23Q	Weekend	67%	87%	82%	78%	65%	50%	35%	20%	9%	3%	1%	0%	0%	0%	0%	0%	0%
23F 23O 23P	Midweek	45%	68%	74%	75%	79%	77%	65%	45%	29%	20%	13%	11%	6%	0%	0%	0%	0%
23F 23O 23P	Weekend	54%	82%	83%	88%	90%	90%	68%	43%	19%	6%	0%	0%	0%	0%	0%	0%	0%
23I	Midweek	59%	83%	84%	68%	52%	35%	29%	21%	5%	3%	1%	1%	1%	0%	0%	0%	0%
23I	Weekend	73%	91%	85%	72%	48%	21%	13%	9%	5%	3%	3%	0%	0%	0%	0%	0%	0%
23J 23K	Midweek	61%	82%	84%	67%	50%	33%	27%	19%	3%	1%	1%	1%	1%	0%	0%	0%	0%
23J 23K	Weekend	74%	90%	84%	70%	44%	19%	11%	7%	2%	2%	3%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Ramp	Eagle Marine (Fuel Dock)	Island West	McKay Bay Gas Dock	Mills Landing	Tofino Resort and Marina	Ucluelet Gov Dock		
28 Jun 2020	Weekend		calm/rippled								
29 Jun 2020	Midweek										
30 Jun 2020	Midweek										
01 Jul 2020	Weekend	frequent whitecaps									
02 Jul 2020	Midweek								calm/rippled		
03 Jul 2020	Midweek	choppy				calm/rippled					
04 Jul 2020	Weekend							calm/rippled	calm/rippled		
05 Jul 2020	Weekend	calm/rippled				calm/rippled					
06 Jul 2020	Midweek					calm/rippled					
07 Jul 2020	Midweek	calm/rippled									
08 Jul 2020	Midweek					calm/rippled					
09 Jul 2020	Midweek					calm/rippled					
10 Jul 2020	Midweek	calm/rippled								calm/rippled	
11 Jul 2020	Weekend									choppy	
12 Jul 2020	Weekend					calm/rippled		calm/rippled	calm/rippled		
13 Jul 2020	Midweek	choppy				choppy					
14 Jul 2020	Midweek	calm/rippled									
15 Jul 2020	Midweek									choppy	
16 Jul 2020	Midweek	frequent whitecaps								calm/rippled	
17 Jul 2020	Midweek					choppy					
18 Jul 2020	Weekend							calm/rippled		choppy	
19 Jul 2020	Weekend	calm/rippled				calm/rippled					
20 Jul 2020	Midweek										
21 Jul 2020	Midweek										
22 Jul 2020	Midweek									choppy	
23 Jul 2020	Midweek					choppy					
24 Jul 2020	Midweek	choppy					choppy				
25 Jul 2020	Weekend	choppy							calm/rippled		
26 Jul 2020	Weekend	calm/rippled									
27 Jul 2020	Midweek	frequent whitecaps									
28 Jul 2020	Midweek					choppy		choppy			
29 Jul 2020	Midweek	choppy					calm/rippled				
30 Jul 2020	Midweek									calm/rippled	
31 Jul 2020	Midweek	frequent whitecaps								calm/rippled	
01 Aug 2020	Weekend	choppy									choppy
02 Aug 2020	Weekend									calm/rippled	
03 Aug 2020	Weekend					calm/rippled					