FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

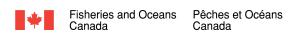
CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Barkley) June 2021



Prepared By: South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023





Area 23 (Barkley) June 2021

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

		Ch	nina Creek		Clutesi	Clı	utesi Ramp		Eagle M	arine (Fuel	Dock)	Island	West	McKay	/ Bay Gas D	Oock	Mills L	anding	Poett	Nook	Tyee	Uclue	let Gov Doc	k
					Marina																Landing (Fuel Dock)			
Date	Day Type	AM	MD	PM	MD	AM	MD	PM	AM	MD	PM	MD	PM	AM	MD	PM	MD	PM	AM	PM	AM	AM	MD	PM
29 May 2021	Weekend																							
30 May 2021	Weekend																							
31 May 2021	Midweek																							
01 Jun 2021	Midweek						3																2	
02 Jun 2021	Midweek																							2
03 Jun 2021	Midweek																							
04 Jun 2021	Midweek					1																2		
05 Jun 2021	Weekend																2						7	
06 Jun 2021	Weekend									5														
07 Jun 2021	Midweek	1																				2		
08 Jun 2021	Midweek	2															1						6	
09 Jun 2021	Midweek									2					1									
10 Jun 2021	Midweek					2					1													
11 Jun 2021	Midweek							1														1		
12 Jun 2021	Weekend																							7
13 Jun 2021	Weekend	2																					8	
14 Jun 2021	Midweek					4					1													
15 Jun 2021	Midweek															3								7
16 Jun 2021	Midweek					1									5									
17 Jun 2021	Midweek					3																		
18 Jun 2021	Midweek		2										2											
19 Jun 2021	Weekend																4						13	
20 Jun 2021	Weekend									10									8					
21 Jun 2021	Midweek														13								5	
22 Jun 2021	Midweek					2							2				10							
23 Jun 2021	Midweek						3		1									3						
24 Jun 2021	Midweek				3																		2	
25 Jun 2021	Midweek					2																		3
26 Jun 2021	Weekend			3		2														10			9	
27 Jun 2021	Weekend										8					7					1		6	
28 Jun 2021	Midweek																					5		
29 Jun 2021	Midweek									4				8										
30 Jun 2021	Midweek	1																3						
01 Jul 2021	Weekend																							12
02 Jul 2021	Midweek					1						5												
03 Jul 2021	Weekend										2												6	

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-May-2021	Saturday		2	8						
30-May-2021	Sunday		1	3						
31-May-2021	Monday		0							
01-Jun-2021	Tuesday	choppy	5	10						
02-Jun-2021	Wednesday	choppy	2	4						
03-Jun-2021	Thursday		0							
04-Jun-2021	Friday	choppy	3	4				18	0729	26
05-Jun-2021	Saturday	large swells	9	19				39	0727	51
06-Jun-2021	Sunday	choppy	5	20						
07-Jun-2021	Monday	choppy	3	1						
08-Jun-2021	Tuesday	choppy	9	12		4	2	28	0735	38
09-Jun-2021	Wednesday	calm/rippled	3	1						
10-Jun-2021	Thursday	calm/rippled	6	21						
11-Jun-2021	Friday	choppy	5	15	1					
12-Jun-2021	Saturday	choppy	8	24				46	0727	59
13-Jun-2021	Sunday	choppy	10	18	3					
14-Jun-2021	Monday	calm/rippled	5	13						
15-Jun-2021	Tuesday	calm/rippled	12	22						
16-Jun-2021	Wednesday	choppy	7	18						
17-Jun-2021	Thursday	calm/rippled	5	16				40	0724	55
18-Jun-2021	Friday	choppy	6	5	1					
19-Jun-2021	Saturday	choppy	19	59	8		1	123	0725	162
20-Jun-2021	Sunday	choppy	18	34	15					
21-Jun-2021	Monday	choppy	20	29	21			45	0724	62
22-Jun-2021	Tuesday	choppy	14	25	3					
23-Jun-2021	Wednesday	choppy	9	14	1		1			
24-Jun-2021	Thursday	choppy	7	7	3					
25-Jun-2021	Friday	choppy	8	15						
26-Jun-2021	Saturday	choppy	27	36	8			83	0726	107
27-Jun-2021	Sunday	calm/rippled	27	47	16					
28-Jun-2021	Monday	calm/rippled	8	11	7					
29-Jun-2021	Tuesday	choppy	17	36	5					
30-Jun-2021	Wednesday	choppy	6	15	1			40	0806	53
01-Jul-2021	Thursday (Canada Day)	calm/rippled	15	26	20					
02-Jul-2021	Friday	calm/rippled	12	25	1	4				
03-Jul-2021	Saturday	frequent whitecaps	13	24						
	Totals	choppy	160	294	43	4	3	34*		47*
	Totals	choppy	123	257	50		1	73*		95*

^{*} Average number of boats Observed and Expanded

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

					C]	PUE			Ret	ained	
Day Type	Average	Number of	Total	Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut
	Expanded	Days	Estimated								
	Boats		Effort								
Weekend	95	8	760	2.089	0.407		0.008	1588	309		6
Midweek	47	22	1034	1.838	0.269	0.025	0.019	1900	278	26	20

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	June	881	587	20	277	8
2017	June	2093	1902	733		2
2018	June	2114	5084	405		8
2019	June	2970	4951	287	36	15
2020	June	1844	1772	315		169
2021	June	1674	3129	485	24	2
5-Yr Avg	June	1980	2859	352	157	40

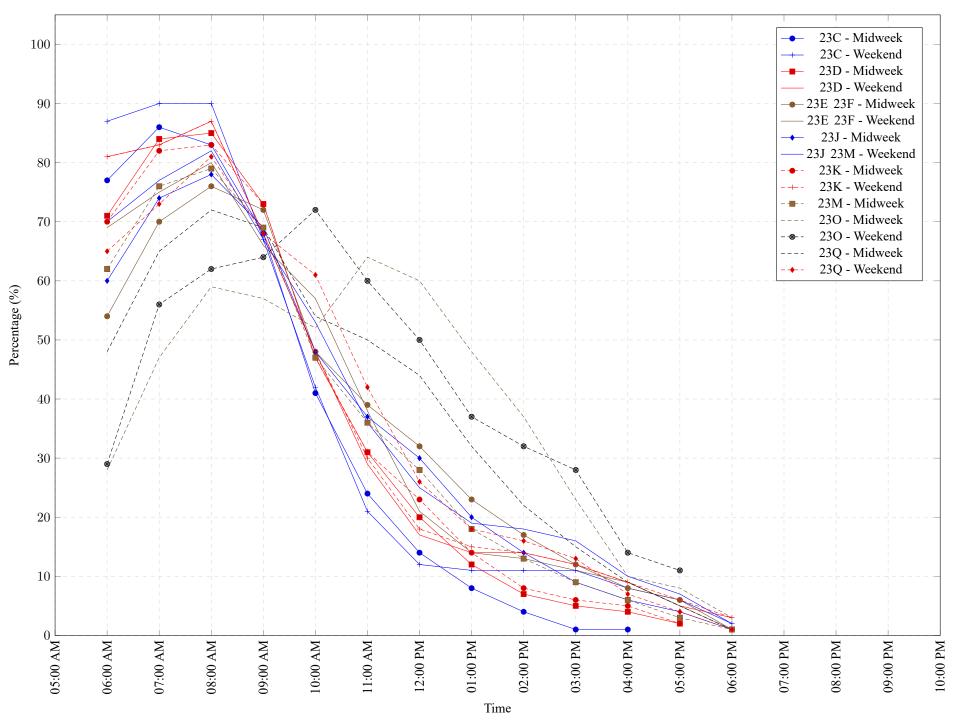
Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch		Creel Submission Rate	iRec Marked Catch	1111111	iRec Submission Rate	Sport Head Recoveries
Coho	167	39%	11%	404	53%	4%	18
Chinook	1460	54%	27%	1209	41%	32%	387

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	282	33%
iRec Anglers	3707	20%

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



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

Areas	Day Type	6:00	7:00 AM	8:00 AM	9:00	10:00 AM	11:00 AM	12:00	01:00 PM	02:00 PM	03:00 PM	04:00 PM		06:00 PM	07:00 PM	08:00 PM	09:00 PM	10:00
		AM	Alvi	Alvi	AM	Alvi	Alvi	PM	rivi	rıvı	LIM	rivi	PM	rivi	rivi	rivi	rıvı	PM
23C	Midweek	77%	86%	83%	68%	41%	24%	14%	8%	4%	1%	1%	0%	0%	0%	0%	0%	0%
23C	Weekend	87%	90%	90%	67%	42%	21%	12%	11%	11%	11%	8%	6%	2%	0%	0%	0%	0%
23D	Midweek	71%	84%	85%	73%	47%	31%	20%	12%	7%	5%	4%	2%	0%	0%	0%	0%	0%
23D	Weekend	81%	83%	87%	68%	48%	29%	17%	14%	14%	12%	9%	5%	3%	0%	0%	0%	0%
23E 23F	Midweek	54%	70%	76%	72%	48%	39%	32%	23%	17%	12%	8%	6%	1%	0%	0%	0%	0%
23E 23F	Weekend	69%	75%	80%	66%	57%	38%	21%	14%	13%	11%	9%	5%	1%	0%	0%	0%	0%
23J	Midweek	60%	74%	78%	69%	48%	37%	30%	20%	14%	9%	6%	4%	1%	0%	0%	0%	0%
23J 23M	Weekend	70%	77%	82%	67%	53%	36%	25%	19%	18%	16%	10%	7%	2%	0%	0%	0%	0%
23K	Midweek	70%	82%	83%	73%	47%	31%	23%	14%	8%	6%	5%	2%	0%	0%	0%	0%	0%
23K	Weekend	81%	83%	87%	68%	48%	30%	18%	15%	14%	12%	9%	6%	3%	0%	0%	0%	0%
23M	Midweek	62%	76%	79%	69%	47%	36%	28%	18%	13%	9%	6%	3%	1%	0%	0%	0%	0%
230	Midweek	28%	47%	59%	57%	52%	64%	60%	48%	37%	23%	10%	8%	3%	0%	0%	0%	0%
230	Weekend	29%	56%	62%	64%	72%	60%	50%	37%	32%	28%	14%	11%	0%	0%	0%	0%	0%
23Q	Midweek	48%	65%	72%	69%	54%	50%	44%	32%	22%	15%	9%	5%	1%	0%	0%	0%	0%
23Q	Weekend	65%	73%	81%	68%	61%	42%	26%	18%	16%	13%	7%	4%	1%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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Date	Day Type	China Creek	Clutesi Marina	Clutesi Ramp	Eagle Marine (Fuel Dock)	Island West	McKay Bay Gas Dock	Mills Landing	Poett Nook	Tyee Landing (Fuel Dock)	Ucluelet Gov Dock
29 May 2021	Weekend										
30 May 2021	Weekend										
31 May 2021	Midweek										
01 Jun 2021	Midweek			choppy							choppy
02 Jun 2021	Midweek										choppy
03 Jun 2021	Midweek										
04 Jun 2021	Midweek			choppy							choppy
05 Jun 2021	Weekend							large swells			large swells
06 Jun 2021	Weekend				choppy						
07 Jun 2021	Midweek	calm/rippled									choppy
08 Jun 2021	Midweek	calm/rippled						choppy			choppy
09 Jun 2021	Midweek				calm/rippled		calm/rippled				
10 Jun 2021	Midweek			choppy	calm/rippled						
11 Jun 2021	Midweek			calm/rippled							frequent whitecaps
12 Jun 2021	Weekend										choppy
13 Jun 2021	Weekend	frequent whitecaps									choppy
14 Jun 2021	Midweek	*		calm/rippled	calm/rippled						
15 Jun 2021	Midweek			* *	11		choppy				calm/rippled
16 Jun 2021	Midweek			calm/rippled			choppy				- 11
17 Jun 2021	Midweek			calm/rippled			117				
18 Jun 2021	Midweek	frequent whitecaps		11		choppy					
19 Jun 2021	Weekend	1						choppy			choppy
20 Jun 2021	Weekend				choppy				choppy		
21 Jun 2021	Midweek				FF7		choppy				choppy
22 Jun 2021	Midweek			choppy		choppy	113	frequent whitecaps			117
23 Jun 2021	Midweek			choppy	calm/rippled			choppy			
24 Jun 2021	Midweek		calm/rippled	117	**			117			choppy
25 Jun 2021	Midweek		**	calm/rippled							choppy
26 Jun 2021	Weekend	frequent whitecaps		calm/rippled					choppy		choppy
27 Jun 2021	Weekend				calm/rippled		calm/rippled			choppy	calm/ripple
28 Jun 2021	Midweek				FF-50		Trica			T.T.	calm/ripple
29 Jun 2021	Midweek				choppy		choppy				Ppro
30 Jun 2021	Midweek	frequent whitecaps						choppy			
01 Jul 2021 02 Jul 2021	Weekend Midweek	ишесара		calm/rippled		choppy					calm/ripple
03 Jul 2021	Weekend			caminippled	choppy	спорру					frequent whitecaps