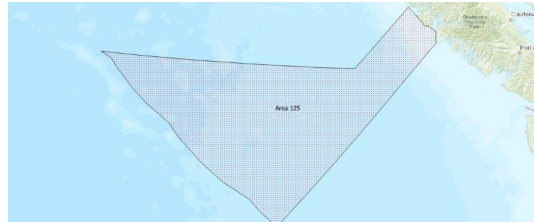


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 125 August 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Friday 9th February, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

Date	Day Type	Cougar Creek		Moutcha Bay Resort			Westview Marina		Zeballos
		AM	MD	AM	MD	PM	MD	PM	MD
29 Jul 2023	Weekend	1					4		1
30 Jul 2023	Weekend				3				
31 Jul 2023	Midweek		4						
01 Aug 2023	Midweek						8		
02 Aug 2023	Midweek						7		
03 Aug 2023	Midweek		5						
04 Aug 2023	Midweek					3			
05 Aug 2023	Weekend				2				
06 Aug 2023	Weekend		2						
07 Aug 2023	Weekend							2	
08 Aug 2023	Midweek								
09 Aug 2023	Midweek				2		3		
10 Aug 2023	Midweek		1						
11 Aug 2023	Midweek	1							
12 Aug 2023	Weekend			2					
13 Aug 2023	Weekend						2		
14 Aug 2023	Midweek								
15 Aug 2023	Midweek								
16 Aug 2023	Midweek						1		
17 Aug 2023	Midweek				1			1	
18 Aug 2023	Midweek								
19 Aug 2023	Weekend								
20 Aug 2023	Weekend				4				
21 Aug 2023	Midweek	1							
22 Aug 2023	Midweek								
23 Aug 2023	Midweek					4			
24 Aug 2023	Midweek							1	
25 Aug 2023	Midweek						2		
26 Aug 2023	Weekend						4		
27 Aug 2023	Weekend				1				
28 Aug 2023	Midweek								
29 Aug 2023	Midweek								
30 Aug 2023	Midweek				1				
31 Aug 2023	Midweek								
01 Sep 2023	Midweek								
02 Sep 2023	Weekend								
03 Sep 2023	Weekend								

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-2023	Saturday	calm/rippled	7	18	7		1			
30-Jul-2023	Sunday	frequent whitecaps	3	5	2					
31-Jul-2023	Monday	choppy	4	1						
01-Aug-2023	Tuesday	calm/rippled	8	16	2		8			
02-Aug-2023	Wednesday	calm/rippled	7	19	2		3	28	0835	35
03-Aug-2023	Thursday	choppy	6	8	1		6			
04-Aug-2023	Friday	choppy	4				3			
05-Aug-2023	Saturday	choppy	2				2	50	0845	62
06-Aug-2023	Sunday	frequent whitecaps	2							
07-Aug-2023	Monday (B.C. Day)	choppy	2	1			1	29	0916	34
08-Aug-2023	Tuesday		0							
09-Aug-2023	Wednesday	choppy	5	7			3	0	1005	0
10-Aug-2023	Thursday	frequent whitecaps	1		4					
11-Aug-2023	Friday	calm/rippled	1							
12-Aug-2023	Saturday	choppy	2	1						
13-Aug-2023	Sunday	choppy	2					14	0925	16
14-Aug-2023	Monday		0							
15-Aug-2023	Tuesday		0							
16-Aug-2023	Wednesday	choppy	1	4						
17-Aug-2023	Thursday	frequent whitecaps	2	1				1	0855	1
18-Aug-2023	Friday		0							
19-Aug-2023	Saturday		0							
20-Aug-2023	Sunday	frequent whitecaps	4	3	2		1	1	0917	1
21-Aug-2023	Monday	choppy	1							
22-Aug-2023	Tuesday		0							
23-Aug-2023	Wednesday	calm/rippled	5	1	4		1			
24-Aug-2023	Thursday	calm/rippled	1							
25-Aug-2023	Friday	calm/rippled	2	10			1	21	0802	32
26-Aug-2023	Saturday	calm/rippled	4	2	4		3	0	0952	0
27-Aug-2023	Sunday	choppy	1		4			6	0918	7
28-Aug-2023	Monday		0							
29-Aug-2023	Tuesday		0					10	0820	13
30-Aug-2023	Wednesday	choppy	1							
31-Aug-2023	Thursday		0							
01-Sep-2023	Friday		0							
02-Sep-2023	Saturday		0							
03-Sep-2023	Sunday		0							
	Totals	choppy	45	66	13		25	12*		16*
	Totals	choppy	19	7	10		7	17*		20*

* 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	20	9	180	0.368	0.526		0.368	66	95		66
Midweek	16	22	352	1.467	0.289		0.556	516	102		196

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	August	503	418	226		125
2019	August	561	515	170		142
2020	August	370	159	5		101
2021	August	332	285	118	4	243
2022	August	445	321	241		428
2023	August	659	620	166		211
5-Yr Avg	August	442	340	152	4	208

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	117	70%	7%	754	73%	1%	8
Chinook	131	26%	15%	549	28%	3%	19

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	61	16%
iRec Anglers	3142	25%

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

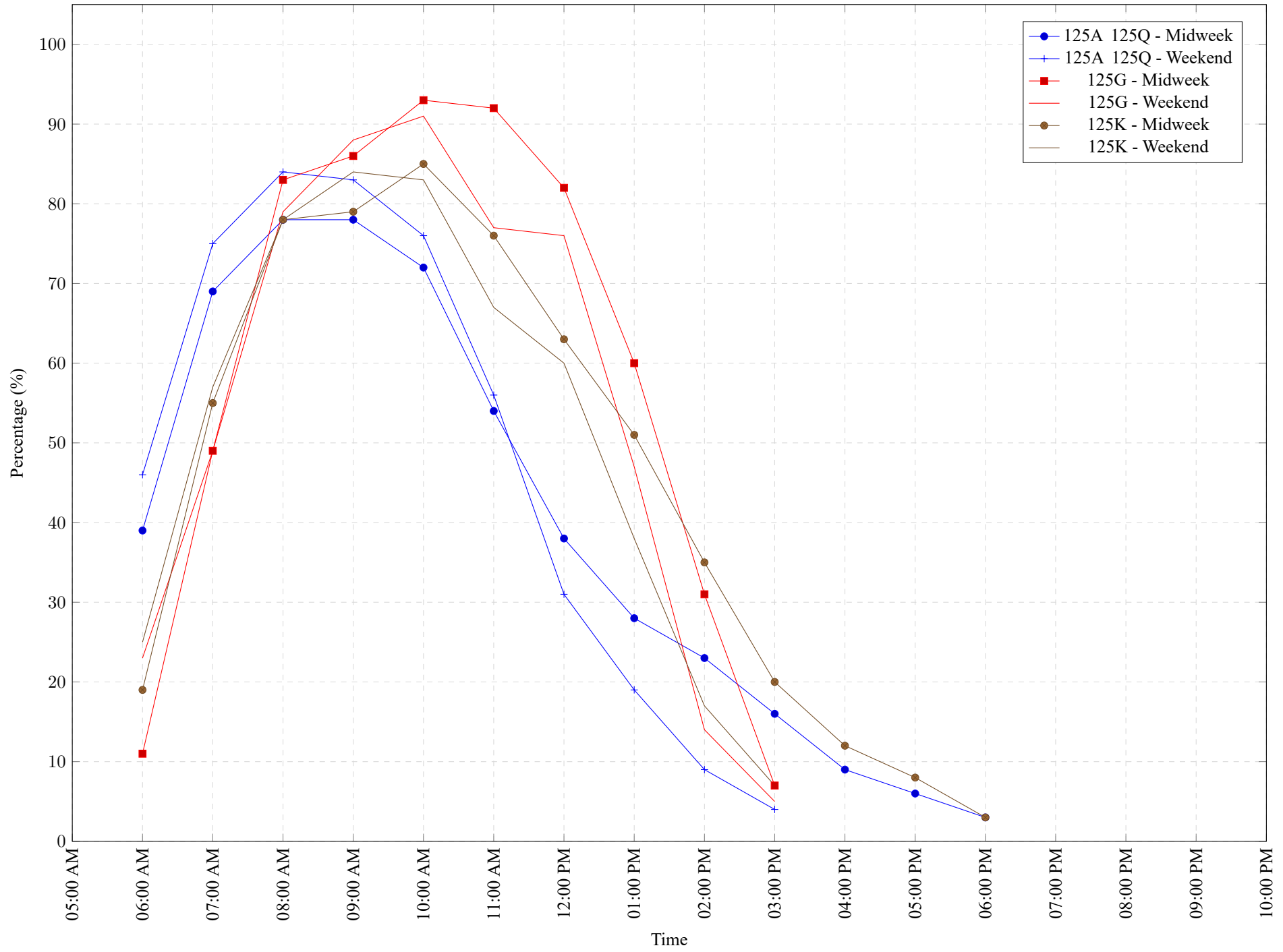


Table 7: Proportion of each day's fishing by hour.

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
125A	125Q	Midweek	39%	69%	78%	78%	72%	54%	38%	28%	23%	16%	9%	6%	3%	0%	0%	0%	0%
125A	125Q	Weekend	46%	75%	84%	83%	76%	56%	31%	19%	9%	4%	0%	0%	0%	0%	0%	0%	0%
125G		Midweek	11%	49%	83%	86%	93%	92%	82%	60%	31%	7%	0%	0%	0%	0%	0%	0%	0%
125G		Weekend	23%	49%	79%	88%	91%	77%	76%	47%	14%	5%	0%	0%	0%	0%	0%	0%	0%
125K		Midweek	19%	55%	78%	79%	85%	76%	63%	51%	35%	20%	12%	8%	3%	0%	0%	0%	0%
125K		Weekend	25%	57%	78%	84%	83%	67%	60%	38%	17%	7%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cougar Creek	Moutcha Bay Resort	Westview Marina	Zeballos
29 Jul 2023	Weekend	choppy		calm/rippled	calm/rippled
30 Jul 2023	Weekend		frequent whitecaps		
31 Jul 2023	Midweek	choppy			
01 Aug 2023	Midweek			calm/rippled	
02 Aug 2023	Midweek			calm/rippled	
03 Aug 2023	Midweek	choppy			
04 Aug 2023	Midweek		choppy		
05 Aug 2023	Weekend		choppy		
06 Aug 2023	Weekend	frequent whitecaps			
07 Aug 2023	Weekend			choppy	
08 Aug 2023	Midweek				
09 Aug 2023	Midweek		frequent whitecaps	calm/rippled	
10 Aug 2023	Midweek	frequent whitecaps			
11 Aug 2023	Midweek	calm/rippled			
12 Aug 2023	Weekend		choppy		
13 Aug 2023	Weekend			choppy	
14 Aug 2023	Midweek				
15 Aug 2023	Midweek				
16 Aug 2023	Midweek			choppy	
17 Aug 2023	Midweek		frequent whitecaps	frequent whitecaps	
18 Aug 2023	Midweek				
19 Aug 2023	Weekend				
20 Aug 2023	Weekend		frequent whitecaps		
21 Aug 2023	Midweek	choppy			
22 Aug 2023	Midweek				
23 Aug 2023	Midweek		calm/rippled		
24 Aug 2023	Midweek			calm/rippled	
25 Aug 2023	Midweek			calm/rippled	
26 Aug 2023	Weekend			calm/rippled	
27 Aug 2023	Weekend		choppy		
28 Aug 2023	Midweek				
29 Aug 2023	Midweek				
30 Aug 2023	Midweek		choppy		
31 Aug 2023	Midweek				
01 Sep 2023	Midweek				
02 Sep 2023	Weekend				
03 Sep 2023	Weekend				