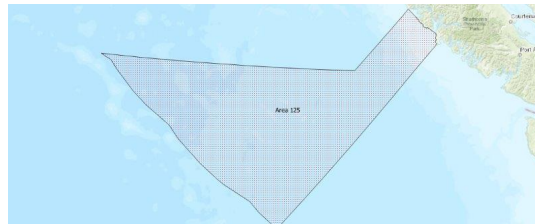


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 125 August 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Sunday 6th February, 2022



Fisheries and Oceans
Canada

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Canada



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

		Cougar Creek	Critter Cove		Moutcha Bay Resort			Westview Marina			Zeballos	
Date	Day Type	MD	MD	PM	AM	MD	PM	AM	MD	PM	PM	
29 Jul 2021	Midweek		2									
30 Jul 2021	Midweek											
31 Jul 2021	Weekend		1									
01 Aug 2021	Weekend	2	1									
02 Aug 2021	Weekend		2									
03 Aug 2021	Midweek		1									
04 Aug 2021	Midweek		2									
05 Aug 2021	Midweek											
06 Aug 2021	Midweek											
07 Aug 2021	Weekend		1									
08 Aug 2021	Weekend											
09 Aug 2021	Midweek		1									
10 Aug 2021	Midweek		1									
11 Aug 2021	Midweek		2									
12 Aug 2021	Midweek		2									
13 Aug 2021	Midweek		2									
14 Aug 2021	Weekend		1									
15 Aug 2021	Weekend		3									
16 Aug 2021	Midweek		1									
17 Aug 2021	Midweek											
18 Aug 2021	Midweek											
19 Aug 2021	Midweek											
20 Aug 2021	Midweek											
21 Aug 2021	Weekend		1									
22 Aug 2021	Weekend											
23 Aug 2021	Midweek		2	1								
24 Aug 2021	Midweek		1									
25 Aug 2021	Midweek		1									
26 Aug 2021	Midweek											
27 Aug 2021	Midweek		7									
28 Aug 2021	Weekend		3									
29 Aug 2021	Weekend											
30 Aug 2021	Midweek		1									
31 Aug 2021	Midweek											
01 Sep 2021	Midweek											
02 Sep 2021	Midweek											
03 Sep 2021	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-2021	Thursday	choppy	2				1	0	0749	0
30-Jul-2021	Friday		0							
31-Jul-2021	Saturday	choppy	1				1			
01-Aug-2021	Sunday	frequent whitecaps	1	1				4	0814	5
02-Aug-2021	Monday (B.C. Day)	calm/rippled	2							
03-Aug-2021	Tuesday	choppy	1					3	0816	4
04-Aug-2021	Wednesday	choppy	4	5	4		28			
05-Aug-2021	Thursday	choppy	2							
06-Aug-2021	Friday		0							
07-Aug-2021	Saturday	choppy	1							
08-Aug-2021	Sunday		0					3	0821	4
09-Aug-2021	Monday	calm/rippled	1							
10-Aug-2021	Tuesday	choppy	2				3			
11-Aug-2021	Wednesday		0					4	0813	5
12-Aug-2021	Thursday	choppy	2							
13-Aug-2021	Friday	calm/rippled	2				1			
14-Aug-2021	Saturday	choppy	3	2			7			
15-Aug-2021	Sunday	calm/rippled	4	1			6			
16-Aug-2021	Monday		0							
17-Aug-2021	Tuesday		0					3	0818	4
18-Aug-2021	Wednesday		0							
19-Aug-2021	Thursday		0							
20-Aug-2021	Friday		0							
21-Aug-2021	Saturday	choppy	1							
22-Aug-2021	Sunday		0							
23-Aug-2021	Monday	choppy	3	2			2			
24-Aug-2021	Tuesday	calm/rippled	2				6	5	0831	7
25-Aug-2021	Wednesday	calm/rippled	1							
26-Aug-2021	Thursday		0							
27-Aug-2021	Friday	calm/rippled	7	3	1		8			
28-Aug-2021	Saturday	calm/rippled	3	2	1		5	9	0828	12
29-Aug-2021	Sunday		0							
30-Aug-2021	Monday		0					1	0830	1
31-Aug-2021	Tuesday	calm/rippled	2	6			13			
01-Sep-2021	Wednesday		0							
02-Sep-2021	Thursday		0							
03-Sep-2021	Friday		1		1		1			
	Totals	choppy	29	16	5		61	3*		4*
	Totals	choppy	15	6	1		18	5*		7*

* 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	7	10	70	0.4	0.067		1.2	28	5		84
Midweek	4	21	84	0.552	0.172		2.103	46	14		177

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	682	525	134		245
2017	August	1109	1413	364		745
2018	August	190	167	116		110
2019	August	343	340	62		134
2020	August	241	84			89
2021	August	156	62	4		223
5-Yr Avg	August	513	506	169		265

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	3	75%	767%	188	60%	12%	23
Chinook	0	0%		54	8%	11%	6

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	40	35%
iRec Anglers	1305	49%

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

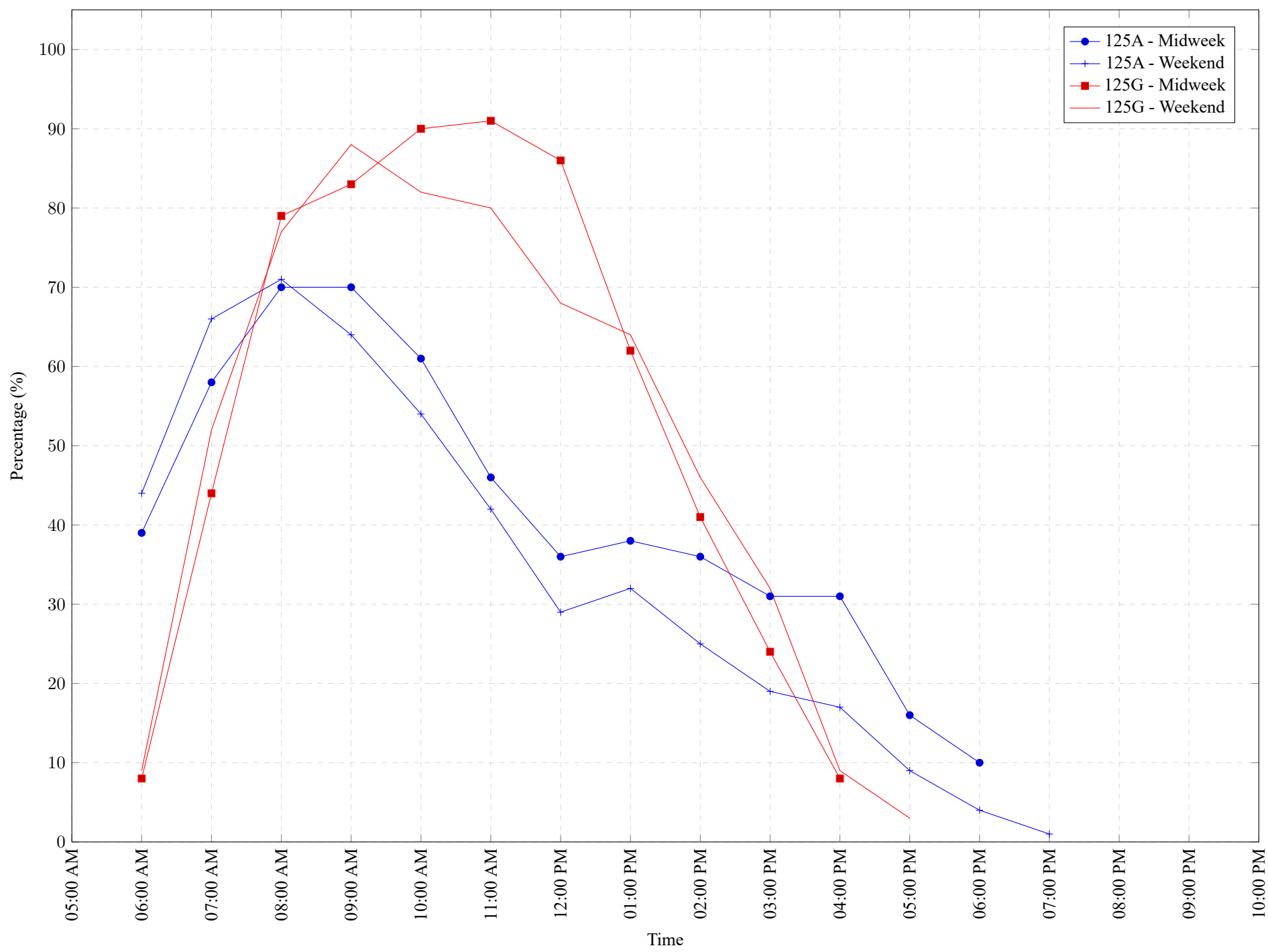


Table 7: Proportion of each day's fishing by hour.

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	Midweek	39%	58%	70%	70%	61%	46%	36%	38%	36%	31%	31%	16%	10%	0%	0%	0%	0%
125A	Weekend	44%	66%	71%	64%	54%	42%	29%	32%	25%	19%	17%	9%	4%	1%	0%	0%	0%
125G	Midweek	8%	44%	79%	83%	90%	91%	86%	62%	41%	24%	8%	0%	0%	0%	0%	0%	0%
125G	Weekend	9%	52%	77%	88%	82%	80%	68%	64%	46%	32%	9%	3%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cougar Creek	Critter Cove	Moutcha Bay Resort	Westview Marina	Zeballos
29 Jul 2021	Midweek			choppy		
30 Jul 2021	Midweek					
31 Jul 2021	Weekend		choppy			
01 Aug 2021	Weekend			frequent whitecaps		
02 Aug 2021	Weekend				calm/rippled	
03 Aug 2021	Midweek				choppy	
04 Aug 2021	Midweek				choppy	
05 Aug 2021	Midweek	choppy				
06 Aug 2021	Midweek					
07 Aug 2021	Weekend				choppy	
08 Aug 2021	Weekend					
09 Aug 2021	Midweek				calm/rippled	
10 Aug 2021	Midweek				choppy	
11 Aug 2021	Midweek					
12 Aug 2021	Midweek			choppy		
13 Aug 2021	Midweek				calm/rippled	
14 Aug 2021	Weekend			frequent whitecaps	calm/rippled	
15 Aug 2021	Weekend		calm/rippled		calm/rippled	
16 Aug 2021	Midweek					
17 Aug 2021	Midweek					
18 Aug 2021	Midweek					
19 Aug 2021	Midweek					
20 Aug 2021	Midweek					
21 Aug 2021	Weekend				choppy	
22 Aug 2021	Weekend					
23 Aug 2021	Midweek		choppy	choppy		
24 Aug 2021	Midweek				calm/rippled	calm/rippled
25 Aug 2021	Midweek				calm/rippled	
26 Aug 2021	Midweek					
27 Aug 2021	Midweek				calm/rippled	
28 Aug 2021	Weekend				calm/rippled	
29 Aug 2021	Weekend					
30 Aug 2021	Midweek					
31 Aug 2021	Midweek				calm/rippled	
01 Sep 2021	Midweek					
02 Sep 2021	Midweek					
03 Sep 2021	Midweek					