

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 25 September 2022



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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

		Critter Cove	Moutcha Bay Resort	Muchalaht Marina		Westview Marina
Date	Day Type	MD	MD	AM	MD	MD
29 Aug 2022	Midweek	13		3		
30 Aug 2022	Midweek					
31 Aug 2022	Midweek					
01 Sep 2022	Midweek					
02 Sep 2022	Midweek			4		7
03 Sep 2022	Weekend		6			
04 Sep 2022	Weekend					
05 Sep 2022	Weekend			7		
06 Sep 2022	Midweek			3		6
07 Sep 2022	Midweek					
08 Sep 2022	Midweek					
09 Sep 2022	Midweek					
10 Sep 2022	Weekend					
11 Sep 2022	Weekend					
12 Sep 2022	Midweek					
13 Sep 2022	Midweek					
14 Sep 2022	Midweek					
15 Sep 2022	Midweek					
16 Sep 2022	Midweek					
17 Sep 2022	Weekend					
18 Sep 2022	Weekend					
19 Sep 2022	Midweek					
20 Sep 2022	Midweek					
21 Sep 2022	Midweek					
22 Sep 2022	Midweek					
23 Sep 2022	Midweek					
24 Sep 2022	Weekend					
25 Sep 2022	Weekend					
26 Sep 2022	Midweek					
27 Sep 2022	Midweek					
28 Sep 2022	Midweek					
29 Sep 2022	Midweek					
30 Sep 2022	Midweek					
01 Oct 2022	Weekend					
02 Oct 2022	Weekend					
03 Oct 2022	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-Aug-2022	Monday		0							
30-Aug-2022	Tuesday	calm/rippled	16	14	16					
31-Aug-2022	Wednesday		0					40	0839	40
01-Sep-2022	Thursday		0							
02-Sep-2022	Friday	calm/rippled	11	1	4					
03-Sep-2022	Saturday		0					52	0855	57
04-Sep-2022	Sunday	calm/rippled	6	5	11					
05-Sep-2022	Monday (Labour Day)	calm/rippled	7	4	7					
06-Sep-2022	Tuesday	calm/rippled	9	5	14					
07-Sep-2022	Wednesday		0					21	0906	21
08-Sep-2022	Thursday		0							
09-Sep-2022	Friday		0							
10-Sep-2022	Saturday		0					21	0857	22
11-Sep-2022	Sunday		0							
12-Sep-2022	Monday		0							
13-Sep-2022	Tuesday		0					12	0858	12
14-Sep-2022	Wednesday		0							
15-Sep-2022	Thursday		0							
16-Sep-2022	Friday		0							
17-Sep-2022	Saturday		0							
18-Sep-2022	Sunday		0							
19-Sep-2022	Monday		0							
20-Sep-2022	Tuesday		0							
21-Sep-2022	Wednesday		0							
22-Sep-2022	Thursday		0							
23-Sep-2022	Friday		0							
24-Sep-2022	Saturday		0							
25-Sep-2022	Sunday		0							
26-Sep-2022	Monday		0							
27-Sep-2022	Tuesday		0							
28-Sep-2022	Wednesday		0							
29-Sep-2022	Thursday		0							
30-Sep-2022	Friday		0							
01-Oct-2022	Saturday		0							
02-Oct-2022	Sunday		0							
03-Oct-2022	Monday		0							
	Totals	calm/rippled	20	6	18			17*		17*
	Totals	calm/rippled	13	9	18			37*		40*

* 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	40	9	360	0.692	1.385			249	499		
Midweek	17	21	357	0.3	0.9			107	321		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	September	704	208	731		58
2018	September	778	282	1043		
2019	September	896	325	294		32
2020	September	701	142	190		95
2021	September	811	348	367		52
2022	September	289	99	221		0
5-Yr Avg	September	778	261	525		59

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	17	10%	18%	316	38%	1%	3
Chinook	6	7%	33%	35	8%	6%	2

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	33	12%
iRec Anglers	1042	27%

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

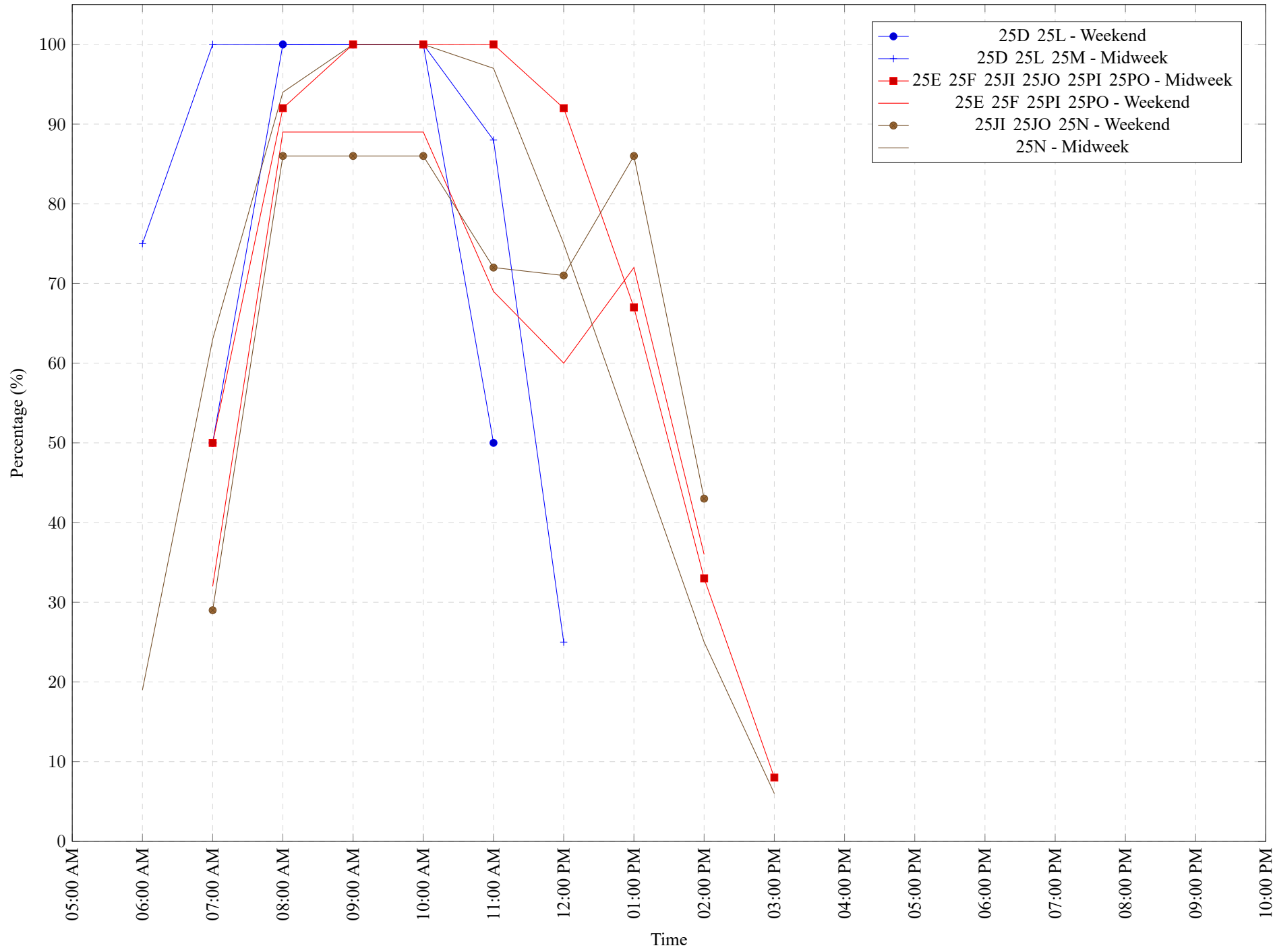


Table 7: Proportion of each day's fishing by hour.

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
25D 25L	Weekend	0%	50%	100%	100%	100%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25D 25L 25M	Midweek	75%	100%	100%	100%	100%	88%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25E 25F 25JI 25JO 25PI 25PO	Midweek	0%	50%	92%	100%	100%	100%	92%	67%	33%	8%	0%	0%	0%	0%	0%	0%	0%
25E 25F 25PI 25PO	Weekend	0%	32%	89%	89%	89%	69%	60%	72%	36%	0%	0%	0%	0%	0%	0%	0%	0%
25JI 25JO 25N	Weekend	0%	29%	86%	86%	86%	72%	71%	86%	43%	0%	0%	0%	0%	0%	0%	0%	0%
25N	Midweek	19%	63%	94%	100%	100%	97%	75%	50%	25%	6%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Critter Cove	Moutcha Bay Resort	Muchalaht Marina	Westview Marina
29 Aug 2022	Midweek	calm/rippled		calm/rippled	
30 Aug 2022	Midweek				
31 Aug 2022	Midweek				
01 Sep 2022	Midweek			calm/rippled	calm/rippled
02 Sep 2022	Midweek				
03 Sep 2022	Weekend				
04 Sep 2022	Weekend	calm/rippled			calm/rippled
05 Sep 2022	Weekend				
06 Sep 2022	Midweek				
07 Sep 2022	Midweek			calm/rippled	choppy
08 Sep 2022	Midweek				
09 Sep 2022	Midweek				
10 Sep 2022	Weekend				
11 Sep 2022	Weekend				
12 Sep 2022	Midweek				
13 Sep 2022	Midweek				
14 Sep 2022	Midweek				
15 Sep 2022	Midweek				
16 Sep 2022	Midweek				
17 Sep 2022	Weekend				
18 Sep 2022	Weekend				
19 Sep 2022	Midweek				
20 Sep 2022	Midweek				
21 Sep 2022	Midweek				
22 Sep 2022	Midweek				
23 Sep 2022	Midweek				
24 Sep 2022	Weekend				
25 Sep 2022	Weekend				
26 Sep 2022	Midweek				
27 Sep 2022	Midweek				
28 Sep 2022	Midweek				
29 Sep 2022	Midweek				
30 Sep 2022	Midweek				
01 Oct 2022	Weekend				
02 Oct 2022	Weekend				
03 Oct 2022	Midweek				