

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 25 July 2023



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Friday 9<sup>th</sup> February, 2024



Fisheries and Oceans  
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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	PM	AM	MD	PM	AM	MD	PM	MD
28 Jun 2023	Midweek			3							
29 Jun 2023	Midweek		2						4		
30 Jun 2023	Midweek				1				3		3
01 Jul 2023	Weekend								5		
02 Jul 2023	Weekend									6	
03 Jul 2023	Weekend	7									
04 Jul 2023	Midweek					10					5
05 Jul 2023	Midweek						4		6		
06 Jul 2023	Midweek	8						8			
07 Jul 2023	Midweek								6		3
08 Jul 2023	Weekend										
09 Jul 2023	Weekend						9			6	
10 Jul 2023	Midweek										3
11 Jul 2023	Midweek								3		
12 Jul 2023	Midweek									3	
13 Jul 2023	Midweek								5		
14 Jul 2023	Midweek							3			
15 Jul 2023	Weekend					10			7		
16 Jul 2023	Weekend		8								
17 Jul 2023	Midweek		15								
18 Jul 2023	Midweek	19							4		3
19 Jul 2023	Midweek									10	
20 Jul 2023	Midweek					15			4		
21 Jul 2023	Midweek	12									2
22 Jul 2023	Weekend					11					2
23 Jul 2023	Weekend		20								
24 Jul 2023	Midweek							2			
25 Jul 2023	Midweek								19		
26 Jul 2023	Midweek								7		
27 Jul 2023	Midweek		14								
28 Jul 2023	Midweek						15		13		2
29 Jul 2023	Weekend	18							10		1
30 Jul 2023	Weekend					17				12	
31 Jul 2023	Midweek		16								
01 Aug 2023	Midweek								5		
02 Aug 2023	Midweek								6		
03 Aug 2023	Midweek		11					1			

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-2023	Wednesday	choppy	3							
29-Jun-2023	Thursday	calm/rippled	6	9	2					
30-Jun-2023	Friday	choppy	7	24	1		1	10	0756	11
01-Jul-2023	Saturday	choppy	5	9	2			14	0756	18
02-Jul-2023	Sunday	choppy	6	21	4					
03-Jul-2023	Monday (Canada Day)	calm/rippled	7	9						
04-Jul-2023	Tuesday	calm/rippled	15	23						
05-Jul-2023	Wednesday	choppy	10	19	4		1	39	0759	45
06-Jul-2023	Thursday	choppy	16	27	1					
07-Jul-2023	Friday	choppy	9	10						
08-Jul-2023	Saturday		0							
09-Jul-2023	Sunday	frequent whitecaps	15	3	3		1	26	0726	36
10-Jul-2023	Monday	calm/rippled	3	12						
11-Jul-2023	Tuesday	calm/rippled	3	6	1					
12-Jul-2023	Wednesday	frequent whitecaps	3	8	6			45	0735	60
13-Jul-2023	Thursday	choppy	5	9	6					
14-Jul-2023	Friday	calm/rippled	3	12	3					
15-Jul-2023	Saturday	choppy	17	21	17					
16-Jul-2023	Sunday	frequent whitecaps	8	13	1		1	86	0850	111
17-Jul-2023	Monday	frequent whitecaps	15	12	1		1			
18-Jul-2023	Tuesday	choppy	26	30	35					
19-Jul-2023	Wednesday	choppy	10	18	9					
20-Jul-2023	Thursday	frequent whitecaps	19	21	19		2			
21-Jul-2023	Friday	choppy	14	14	9		1	102	0805	123
22-Jul-2023	Saturday	frequent whitecaps	14	14	11		1	136	0901	172
23-Jul-2023	Sunday	choppy	20	10			1			
24-Jul-2023	Monday	choppy	2	6						
25-Jul-2023	Tuesday	choppy	19	10	4					
26-Jul-2023	Wednesday	calm/rippled	7	12	3					
27-Jul-2023	Thursday	frequent whitecaps	14	15	3		1			
28-Jul-2023	Friday	choppy	30	57	12		3	142	0810	166
29-Jul-2023	Saturday	choppy	29	44	3		2			
30-Jul-2023	Sunday	choppy	29	29	2					
31-Jul-2023	Monday	choppy	16	27						
01-Aug-2023	Tuesday	calm/rippled	5	8	2					
02-Aug-2023	Wednesday	calm/rippled	6	2	2			147	0819	186
03-Aug-2023	Thursday	choppy	12	25						
	Totals	choppy	239	348	116		9	82*		99*
	Totals	choppy	150	173	43		6	66*		84*

\* 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	84	11	924	1.153	0.287		0.04	1065	265		37
Midweek	99	20	1980	1.456	0.485		0.038	2883	960		75

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	July	4041	3394	2148	3	95
2019	July	4253	6578	1404	20	75
2020	July	4207	3938	219	0	16
2021	July	3045	3081	740	3	98
2022	July	3686	4189	3004	0	88
2023	July	2858	3106	717		83
5-Yr Avg	July	3846	4236	1503	5	74

**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	111	16%	33%	1099	54%	3%	37
Chinook	997	33%	22%	2176	32%	10%	215

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	388	18%
iRec Anglers	12356	26%

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

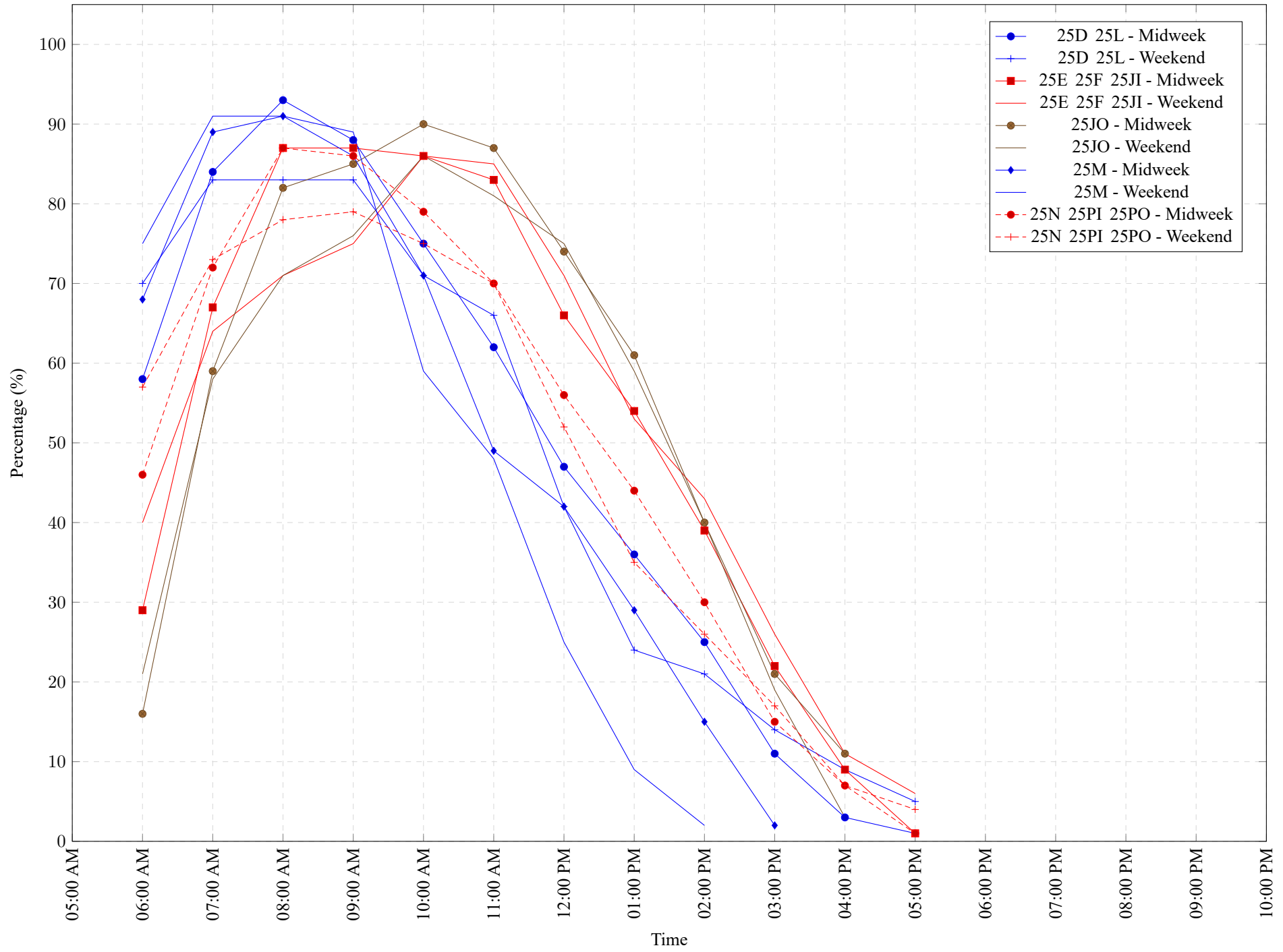


Table 7: Proportion of each day's fishing by hour.

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	Midweek	58%	84%	93%	88%	75%	62%	47%	36%	25%	11%	3%	1%	0%	0%	0%	0%	0%
25D 25L	Weekend	70%	83%	83%	83%	71%	66%	42%	24%	21%	14%	9%	5%	0%	0%	0%	0%	0%
25E 25F 25JI	Midweek	29%	67%	87%	87%	86%	83%	66%	54%	39%	22%	9%	1%	0%	0%	0%	0%	0%
25E 25F 25JI	Weekend	40%	64%	71%	75%	86%	85%	71%	53%	43%	26%	11%	6%	0%	0%	0%	0%	0%
25JO	Midweek	16%	59%	82%	85%	90%	87%	74%	61%	40%	21%	11%	0%	0%	0%	0%	0%	0%
25JO	Weekend	21%	58%	71%	76%	86%	81%	75%	59%	40%	19%	3%	0%	0%	0%	0%	0%	0%
25M	Midweek	68%	89%	91%	86%	71%	49%	42%	29%	15%	2%	0%	0%	0%	0%	0%	0%	0%
25M	Weekend	75%	91%	91%	89%	59%	48%	25%	9%	2%	0%	0%	0%	0%	0%	0%	0%	0%
25N 25PI 25PO	Midweek	46%	72%	87%	86%	79%	70%	56%	44%	30%	15%	7%	1%	0%	0%	0%	0%	0%
25N 25PI 25PO	Weekend	57%	73%	78%	79%	75%	70%	52%	35%	26%	17%	7%	4%	0%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

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