

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 25 June 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 10th 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.

		Cougar Creek			Moutcha Bay Resort		Westview Marina			Zeballos	
Date	Day Type	AM	MD	PM	AM	MD	AM	MD	PM	MD	
29 May 2023	Midweek										
30 May 2023	Midweek										
31 May 2023	Midweek										
01 Jun 2023	Midweek										
02 Jun 2023	Midweek										
03 Jun 2023	Weekend										
04 Jun 2023	Weekend										
05 Jun 2023	Midweek										
06 Jun 2023	Midweek										
07 Jun 2023	Midweek										
08 Jun 2023	Midweek										
09 Jun 2023	Midweek										
10 Jun 2023	Weekend	4									
11 Jun 2023	Weekend										
12 Jun 2023	Midweek										
13 Jun 2023	Midweek										
14 Jun 2023	Midweek										
15 Jun 2023	Midweek										
16 Jun 2023	Midweek										
17 Jun 2023	Weekend										
18 Jun 2023	Weekend										
19 Jun 2023	Midweek										
20 Jun 2023	Midweek										
21 Jun 2023	Midweek										
22 Jun 2023	Midweek										
23 Jun 2023	Midweek										
24 Jun 2023	Weekend										
25 Jun 2023	Weekend										
26 Jun 2023	Midweek										
27 Jun 2023	Midweek										
28 Jun 2023	Midweek										
29 Jun 2023	Midweek										
30 Jun 2023	Midweek										
01 Jul 2023	Weekend										
02 Jul 2023	Weekend										
03 Jul 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-May-2023	Monday		0							
30-May-2023	Tuesday		0							
31-May-2023	Wednesday		0							
01-Jun-2023	Thursday	calm/rippled	6	13			8			
02-Jun-2023	Friday	calm/rippled	5	14			10			
03-Jun-2023	Saturday	calm/rippled	2	2				7	0807	9
04-Jun-2023	Sunday	calm/rippled	3	1						
05-Jun-2023	Monday		0							
06-Jun-2023	Tuesday		0					2	0744	4
07-Jun-2023	Wednesday		0							
08-Jun-2023	Thursday	frequent whitecaps	2	1	1					
09-Jun-2023	Friday	choppy	1							
10-Jun-2023	Saturday	choppy	9	5			2	11	0805	15
11-Jun-2023	Sunday	choppy	3	8						
12-Jun-2023	Monday		0					8	0722	14
13-Jun-2023	Tuesday	frequent whitecaps	5				1			
14-Jun-2023	Wednesday		0							
15-Jun-2023	Thursday	choppy	3	3						
16-Jun-2023	Friday	calm/rippled	9	25	3		2			
17-Jun-2023	Saturday	calm/rippled	11	39	20		1	46	0844	53
18-Jun-2023	Sunday	choppy	1							
19-Jun-2023	Monday		0							
20-Jun-2023	Tuesday	calm/rippled	7	20	7		1			
21-Jun-2023	Wednesday	calm/rippled	6	14	14					
22-Jun-2023	Thursday	calm/rippled	5	6	8					
23-Jun-2023	Friday	calm/rippled	2	8	7			20	0800	25
24-Jun-2023	Saturday	calm/rippled	8	30	12		5	13	0801	17
25-Jun-2023	Sunday	calm/rippled	9	28	14		1			
26-Jun-2023	Monday	calm/rippled	5	28	9					
27-Jun-2023	Tuesday		0							
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	13
01-Jul-2023	Saturday	choppy	5	9	2			14	0756	19
02-Jul-2023	Sunday	choppy	6	21	4					
03-Jul-2023	Monday (Canada Day)	calm/rippled	7	9						
	Totals	choppy	72	165	52		23	10*		14*
	Totals	calm/rippled	46	113	46		9	19*		24*

* 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
Midweek	14	22	308	2.292	0.722		0.319	706	222		98
Weekend	24	8	192	2.457	1		0.196	472	192		38

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	June	1473	927	516	39	482
2019	June	623	733	208		50
2020	June	1096	1295	266		237
2021	June	704	818	510		83
2022	June	942	1983	723		130
2023	June	562	616	289		84
5-Yr Avg	June	968	1151	445	39	196

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	51	23%	29%	407	51%	4%	15
Chinook	195	32%	75%	771	34%	19%	146

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	118	48%
iRec Anglers	3155	34%

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

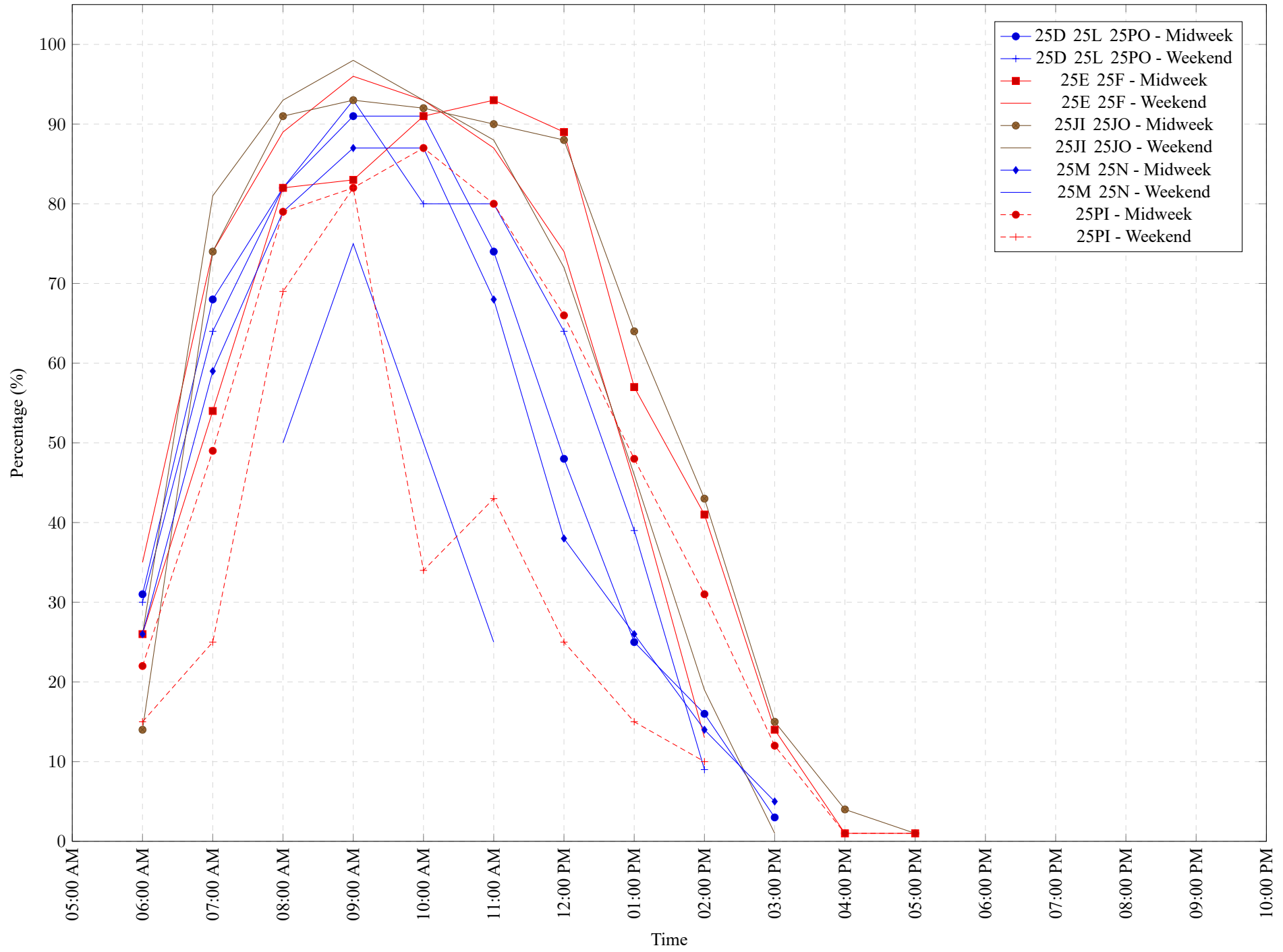


Table 7: Proportion of each day's fishing by hour.

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 25PO			Midweek	31%	68%	82%	91%	91%	74%	48%	25%	16%	3%	0%	0%	0%	0%	0%	0%	0%
25D 25L 25PO			Weekend	30%	64%	82%	93%	80%	80%	64%	39%	9%	0%	0%	0%	0%	0%	0%	0%	0%
25E 25F			Midweek	26%	54%	82%	83%	91%	93%	89%	57%	41%	14%	1%	1%	0%	0%	0%	0%	0%
25E 25F			Weekend	35%	74%	89%	96%	93%	87%	74%	45%	13%	0%	0%	0%	0%	0%	0%	0%	0%
25JI 25JO			Midweek	14%	74%	91%	93%	92%	90%	88%	64%	43%	15%	4%	1%	0%	0%	0%	0%	0%
25JI 25JO			Weekend	26%	81%	93%	98%	93%	88%	72%	46%	19%	1%	0%	0%	0%	0%	0%	0%	0%
25M 25N			Midweek	26%	59%	79%	87%	87%	68%	38%	26%	14%	5%	0%	0%	0%	0%	0%	0%	0%
25M 25N			Weekend	0%	0%	50%	75%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25PI			Midweek	22%	49%	79%	82%	87%	80%	66%	48%	31%	12%	1%	1%	0%	0%	0%	0%	0%
25PI			Weekend	15%	25%	69%	82%	34%	43%	25%	15%	10%	0%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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