

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 25 July 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.

Date	Day Type	Cougar Creek			Crittter Cove			Moutcha Bay Resort			Westview Marina			Zeballos
		AM	MD	PM	AM	MD	PM	AM	MD	PM	AM	MD	PM	MD
28 Jun 2022	Midweek								8				5	
29 Jun 2022	Midweek			1			4					7		
30 Jun 2022	Midweek													
01 Jul 2022	Weekend													
02 Jul 2022	Weekend	11										12		
03 Jul 2022	Weekend							4					10	
04 Jul 2022	Midweek								3			12		
05 Jul 2022	Midweek				1							6		
06 Jul 2022	Midweek						5							
07 Jul 2022	Midweek						3							
08 Jul 2022	Midweek	7										17		3
09 Jul 2022	Weekend									7		8		3
10 Jul 2022	Weekend		6			3						10		
11 Jul 2022	Midweek				2				12				9	
12 Jul 2022	Midweek		14				6							
13 Jul 2022	Midweek	10												
14 Jul 2022	Midweek											9		
15 Jul 2022	Midweek						7						11	4
16 Jul 2022	Weekend											14		
17 Jul 2022	Weekend													3
18 Jul 2022	Midweek								29		5			
19 Jul 2022	Midweek				13					8		15		
20 Jul 2022	Midweek						13					11		
21 Jul 2022	Midweek											9		
22 Jul 2022	Midweek													
23 Jul 2022	Weekend						15							6
24 Jul 2022	Weekend				3									1
25 Jul 2022	Midweek									24		21		
26 Jul 2022	Midweek	15									8			
27 Jul 2022	Midweek							20			7			
28 Jul 2022	Midweek		17											
29 Jul 2022	Midweek				9				16					
30 Jul 2022	Weekend			12									11	
31 Jul 2022	Weekend								18			12		
01 Aug 2022	Weekend												14	
02 Aug 2022	Midweek		14									17		2
03 Aug 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
28-Jun-2022	Tuesday	calm/rippled	13	16	3					
29-Jun-2022	Wednesday	calm/rippled	12	10	9		4			
30-Jun-2022	Thursday		0							
01-Jul-2022	Friday (Canada Day)		0					38	0801	46
02-Jul-2022	Saturday	choppy	23	20	33		1			
03-Jul-2022	Sunday	calm/rippled	14	28	28			38	0855	46
04-Jul-2022	Monday	calm/rippled	15	33	20		2			
05-Jul-2022	Tuesday	calm/rippled	7	23	4					
06-Jul-2022	Wednesday	calm/rippled	5	13	8					
07-Jul-2022	Thursday	calm/rippled	3	6	4			34	0844	45
08-Jul-2022	Friday	calm/rippled	27	55	10		6			
09-Jul-2022	Saturday	calm/rippled	18	33	12			60	0804	80
10-Jul-2022	Sunday	calm/rippled	19	42	9		1			
11-Jul-2022	Monday	choppy	23	32	9			71	0741	104
12-Jul-2022	Tuesday	calm/rippled	20	14	22					
13-Jul-2022	Wednesday	calm/rippled	10	10	10					
14-Jul-2022	Thursday	calm/rippled	9	29	19					
15-Jul-2022	Friday	choppy	22	19	25					
16-Jul-2022	Saturday	calm/rippled	14	8	18			81	0759	102
17-Jul-2022	Sunday	calm/rippled	3	3	1					
18-Jul-2022	Monday	choppy	34	38	29					
19-Jul-2022	Tuesday	calm/rippled	36	42	43			102	0800	144
20-Jul-2022	Wednesday	calm/rippled	24	28	12					
21-Jul-2022	Thursday	calm/rippled	9	8	3					
22-Jul-2022	Friday		0							
23-Jul-2022	Saturday	calm/rippled	21	33	40			162	0805	214
24-Jul-2022	Sunday	calm/rippled	4	8	3					
25-Jul-2022	Monday	calm/rippled	45	48	37					
26-Jul-2022	Tuesday	calm/rippled	23	33	5					
27-Jul-2022	Wednesday	calm/rippled	27	34	30					
28-Jul-2022	Thursday	frequent whitecaps	17	17	12					
29-Jul-2022	Friday	calm/rippled	25	14	36			145	0853	191
30-Jul-2022	Saturday	calm/rippled	23	8	18		3	187	0757	257
31-Jul-2022	Sunday	calm/rippled	30	30	28					
01-Aug-2022	Monday (B.C. Day)	calm/rippled	14	10	3					
02-Aug-2022	Tuesday	choppy	33	37	22		1			
03-Aug-2022	Wednesday		0							
	Totals	calm/rippled	381	496	338		8	88*		121*
	Totals	calm/rippled	169	213	190		5	94*		124*

* 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	121	20	2420	1.302	0.887		0.021	3151	2147		51
Weekend	124	11	1364	1.26	1.124		0.03	1719	1533		41

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	July	4337	6133	321		14
2018	July	4041	3394	2148	3	95
2019	July	4369	7072	1252	21	60
2020	July	4207	3938	219	0	16
2021	July	3045	3081	740	3	98
2022	July	3686	4189	3004	0	88
5-Yr Avg	July	4000	4724	936	7	57

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	764	27%	25%	1964	43%	10%	193
Chinook	703	18%	27%	1646	25%	12%	191

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	550	18%
iRec Anglers	12578	26%

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

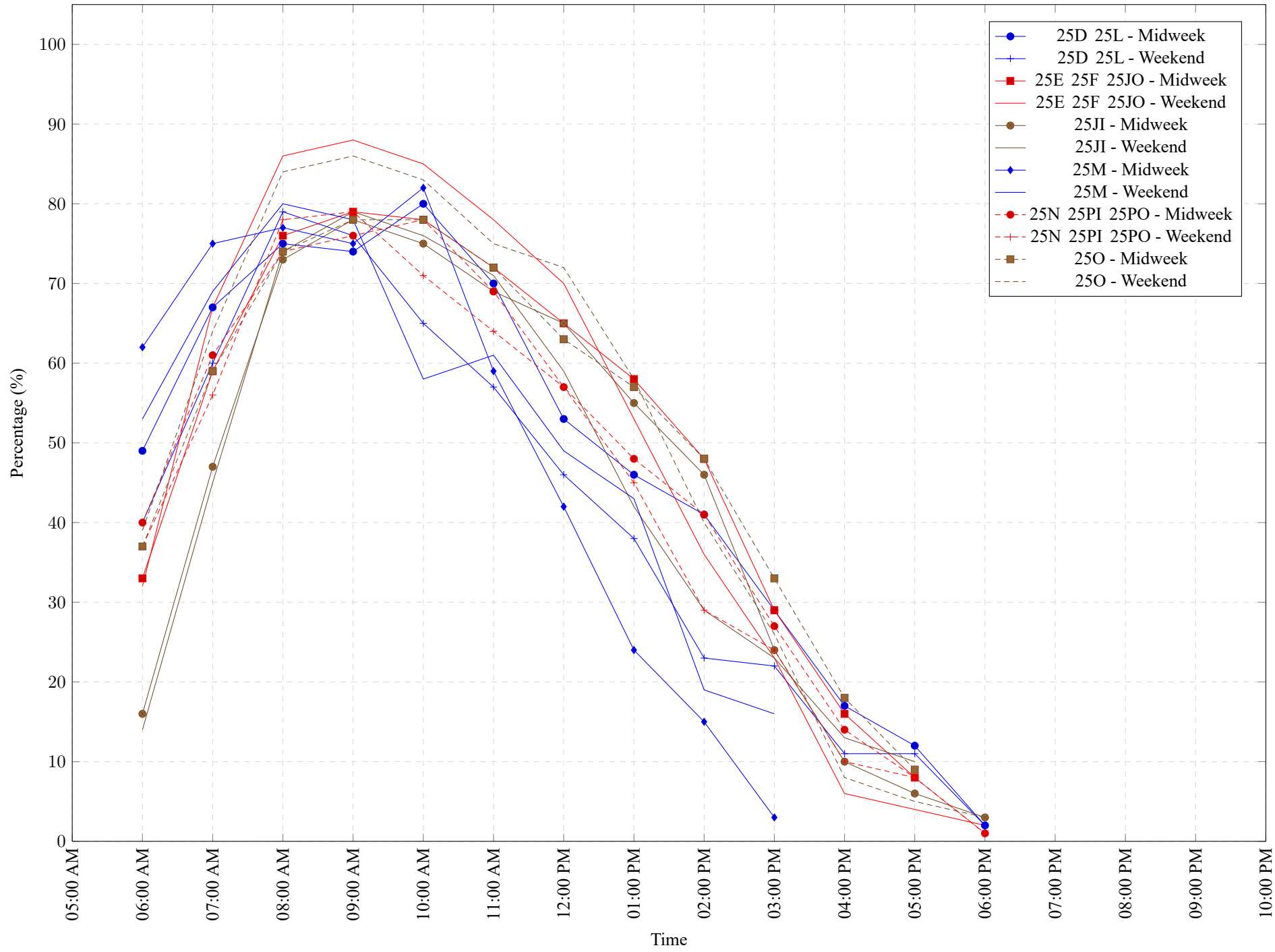


Table 7: Proportion of each day's fishing by hour.

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	49%	67%	75%	74%	80%	70%	53%	46%	41%	29%	17%	12%	2%	0%	0%	0%	0%
25D 25L	Weekend	40%	60%	79%	76%	65%	57%	46%	38%	23%	22%	11%	11%	2%	0%	0%	0%	0%
25E 25F 25JO	Midweek	33%	59%	76%	79%	78%	72%	65%	58%	48%	29%	16%	8%	0%	0%	0%	0%	0%
25E 25F 25JO	Weekend	32%	67%	86%	88%	85%	78%	70%	53%	36%	23%	6%	4%	2%	0%	0%	0%	0%
25JI	Midweek	16%	47%	73%	78%	75%	69%	65%	55%	46%	24%	10%	6%	3%	0%	0%	0%	0%
25JI	Weekend	14%	45%	74%	79%	76%	71%	59%	42%	29%	23%	13%	10%	0%	0%	0%	0%	0%
25M	Midweek	62%	75%	77%	75%	82%	59%	42%	24%	15%	3%	0%	0%	0%	0%	0%	0%	0%
25M	Weekend	53%	69%	80%	78%	58%	61%	49%	43%	19%	16%	0%	0%	0%	0%	0%	0%	0%
25N 25PI 25PO	Midweek	40%	61%	74%	76%	78%	69%	57%	48%	41%	27%	14%	8%	1%	0%	0%	0%	0%
25N 25PI 25PO	Weekend	37%	56%	78%	79%	71%	64%	57%	45%	29%	24%	10%	8%	1%	0%	0%	0%	0%
25O	Midweek	37%	59%	74%	78%	78%	72%	63%	57%	48%	33%	18%	9%	0%	0%	0%	0%	0%
25O	Weekend	39%	64%	84%	86%	83%	75%	72%	58%	40%	26%	8%	5%	3%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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