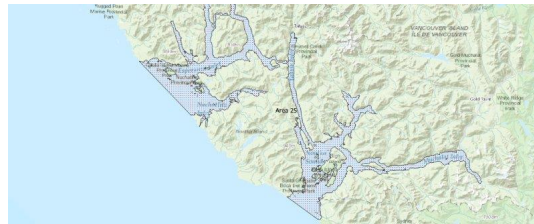


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 25 August 2022



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

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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			Crittter Cove			Moutcha Bay Resort			Muchalaht Marina		Westview Marina			Zeballos
		AM	MD	PM	AM	MD	PM	AM	MD	PM	AM	MD	AM	MD	PM	MD
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															
04 Aug 2022	Midweek				14											
05 Aug 2022	Midweek				8											
06 Aug 2022	Weekend						12									2
07 Aug 2022	Weekend									24					8	4
08 Aug 2022	Midweek	17				10									10	
09 Aug 2022	Midweek						4							5		3
10 Aug 2022	Midweek				4									11		
11 Aug 2022	Midweek							13								
12 Aug 2022	Midweek									13			3		3	
13 Aug 2022	Weekend	11													5	
14 Aug 2022	Weekend								15				2			2
15 Aug 2022	Midweek	5			12							10				
16 Aug 2022	Midweek		7													
17 Aug 2022	Midweek					8									9	
18 Aug 2022	Midweek										5				3	
19 Aug 2022	Midweek														7	3
20 Aug 2022	Weekend														11	
21 Aug 2022	Weekend						2		15				3			
22 Aug 2022	Midweek	6					5									
23 Aug 2022	Midweek									12	5			9		6
24 Aug 2022	Midweek								14							
25 Aug 2022	Midweek					4										
26 Aug 2022	Midweek											13			21	
27 Aug 2022	Weekend										6			21		
28 Aug 2022	Weekend															
29 Aug 2022	Midweek											3				
30 Aug 2022	Midweek					13										
31 Aug 2022	Midweek															
01 Sep 2022	Midweek										4					
02 Sep 2022	Midweek													7		
03 Sep 2022	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-Jul-2022	Friday	calm/rippled	25	14	36			145	0853	186
30-Jul-2022	Saturday	calm/rippled	23	8	18		3	187	0757	266
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							
04-Aug-2022	Thursday	calm/rippled	14	20						
05-Aug-2022	Friday	calm/rippled	8	9	6			195	0806	266
06-Aug-2022	Saturday	calm/rippled	14	20	11					
07-Aug-2022	Sunday	calm/rippled	36	38	20			174	0745	265
08-Aug-2022	Monday	calm/rippled	37	53	11					
09-Aug-2022	Tuesday	calm/rippled	12	27	14					
10-Aug-2022	Wednesday	choppy	15	24	27					
11-Aug-2022	Thursday	calm/rippled	13	10	1					
12-Aug-2022	Friday	calm/rippled	19	23	15			65	0913	86
13-Aug-2022	Saturday	calm/rippled	16	18	14					
14-Aug-2022	Sunday	calm/rippled	19	28	4			122	0849	165
15-Aug-2022	Monday	calm/rippled	27	28	10					
16-Aug-2022	Tuesday	calm/rippled	7	7	9					
17-Aug-2022	Wednesday	calm/rippled	17	28	13					
18-Aug-2022	Thursday	calm/rippled	8	7	6					
19-Aug-2022	Friday	calm/rippled	10	21	16			91	0848	119
20-Aug-2022	Saturday	calm/rippled	11	8	3			63	0933	90
21-Aug-2022	Sunday	calm/rippled	20	10	3					
22-Aug-2022	Monday	calm/rippled	11	13	7					
23-Aug-2022	Tuesday	calm/rippled	32	48	30		2	42	0821	54
24-Aug-2022	Wednesday	choppy	14	22	15		1			
25-Aug-2022	Thursday	calm/rippled	4	1	5			74	0834	96
26-Aug-2022	Friday	calm/rippled	34	32	17					
27-Aug-2022	Saturday	calm/rippled	27	35	20		1	114	0858	157
28-Aug-2022	Sunday		0							
29-Aug-2022	Monday		0							
30-Aug-2022	Tuesday	calm/rippled	16	14	16					
31-Aug-2022	Wednesday		0					40	0839	52
01-Sep-2022	Thursday		0							
02-Sep-2022	Friday	calm/rippled	11	1	4					
03-Sep-2022	Saturday		0					52	0855	73
	Totals	calm/rippled	331	424	240		4	85*		112*
	Totals	calm/rippled	157	167	78		1	118*		169*

* 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	112	22	2464	1.281	0.725		0.012	3156	1786		30
Weekend	169	9	1521	1.064	0.497		0.006	1618	756		9

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	August	5786	7321	778		16
2018	August	5143	5611	3110	7	49
2019	August	5399	4954	2960		21
2020	August	4801	3687	582	8	5
2021	August	4870	5036	1844	9	22
2022	August	4243	4664	2066		50
5-Yr Avg	August	5200	5322	1855	8	23

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	319	20%	29%	1377	42%	7%	92
Chinook	586	14%	23%	1461	24%	9%	134

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	488	13%
iRec Anglers	10734	26%

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

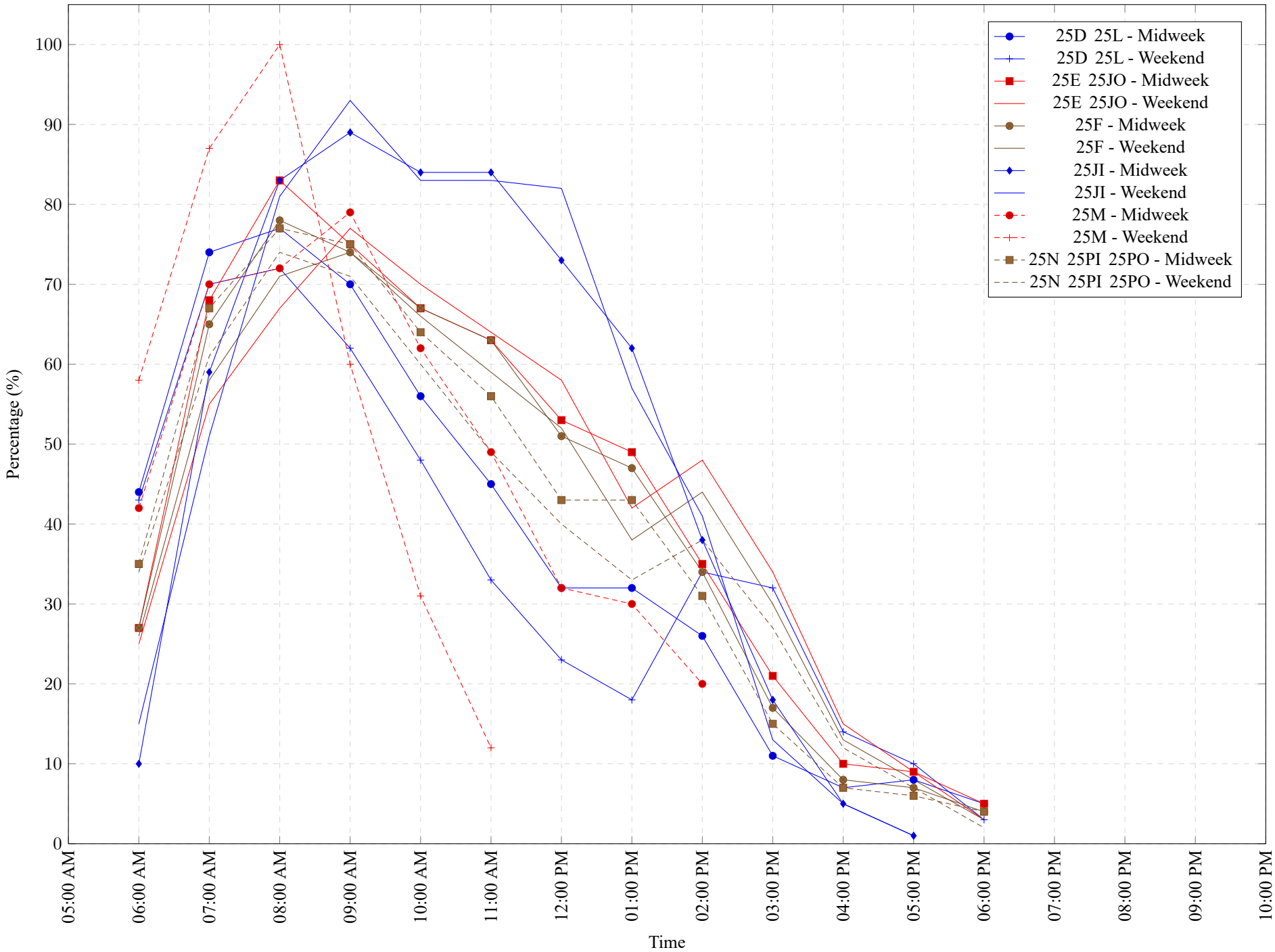


Table 7: Proportion of each day's fishing by hour.

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	44%	74%	77%	70%	56%	45%	32%	32%	26%	11%	7%	8%	5%	0%	0%	0%	0%
25D 25L	Weekend	43%	70%	72%	62%	48%	33%	23%	18%	34%	32%	14%	10%	3%	0%	0%	0%	0%
25E 25JO	Midweek	27%	68%	83%	75%	67%	63%	53%	49%	35%	21%	10%	9%	5%	0%	0%	0%	0%
25E 25JO	Weekend	25%	55%	67%	77%	70%	64%	58%	42%	48%	34%	15%	9%	3%	0%	0%	0%	0%
25F	Midweek	27%	65%	78%	74%	67%	63%	51%	47%	34%	17%	8%	7%	4%	0%	0%	0%	0%
25F	Weekend	26%	58%	71%	74%	66%	59%	52%	38%	44%	30%	13%	8%	3%	0%	0%	0%	0%
25JI	Midweek	10%	59%	83%	89%	84%	84%	73%	62%	38%	18%	5%	1%	0%	0%	0%	0%	0%
25JI	Weekend	15%	51%	81%	93%	83%	83%	82%	57%	41%	13%	5%	1%	0%	0%	0%	0%	0%
25M	Midweek	42%	70%	72%	79%	62%	49%	32%	30%	20%	0%	0%	0%	0%	0%	0%	0%	0%
25M	Weekend	58%	87%	100%	60%	31%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25N 25PI 25PO	Midweek	35%	67%	77%	75%	64%	56%	43%	43%	31%	15%	7%	6%	4%	0%	0%	0%	0%
25N 25PI 25PO	Weekend	34%	61%	74%	71%	60%	49%	40%	33%	38%	27%	12%	7%	2%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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