

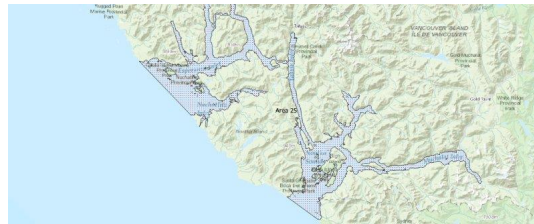
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 25 August 2021



*Prepared By:*

South Coast Salmon Stock Assessment Section

Sunday 6<sup>th</sup> February, 2022



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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	AM	MD	PM
29 Jul 2021	Midweek								16							
30 Jul 2021	Midweek		4													
31 Jul 2021	Weekend					13			21							
01 Aug 2021	Weekend						16		16							
02 Aug 2021	Weekend				15								9			
03 Aug 2021	Midweek					14						21				
04 Aug 2021	Midweek											12				
05 Aug 2021	Midweek		9													
06 Aug 2021	Midweek	14														
07 Aug 2021	Weekend									19				13		
08 Aug 2021	Weekend	17				8								17		
09 Aug 2021	Midweek				11								8			
10 Aug 2021	Midweek						8					13				
11 Aug 2021	Midweek											10				
12 Aug 2021	Midweek									15						
13 Aug 2021	Midweek	12										19				
14 Aug 2021	Weekend								11				14			
15 Aug 2021	Weekend	16					4				3			3		
16 Aug 2021	Midweek		11			6										
17 Aug 2021	Midweek					14										
18 Aug 2021	Midweek															
19 Aug 2021	Midweek												6	4		
20 Aug 2021	Midweek								11				4			
21 Aug 2021	Weekend					11			6			12			4	
22 Aug 2021	Weekend			5	6						6					
23 Aug 2021	Midweek					11		7								
24 Aug 2021	Midweek											11				5
25 Aug 2021	Midweek												10			
26 Aug 2021	Midweek				5											
27 Aug 2021	Midweek	4				5						29				
28 Aug 2021	Weekend					4			5			15				
29 Aug 2021	Weekend		8													
30 Aug 2021	Midweek								5			4				
31 Aug 2021	Midweek												6			
01 Sep 2021	Midweek															
02 Sep 2021	Midweek															
03 Sep 2021	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-Jul-2021	Thursday	choppy	16	19	3			56	0735	109
30-Jul-2021	Friday	frequent whitecaps	4	9						
31-Jul-2021	Saturday	choppy	35	62	4		4			
01-Aug-2021	Sunday	choppy	32	46	7			208	0802	330
02-Aug-2021	Monday (B.C. Day)	calm/rippled	24	49	7					
03-Aug-2021	Tuesday	calm/rippled	35	44	20	2		158	0803	251
04-Aug-2021	Wednesday	choppy	15	28	10		11			
05-Aug-2021	Thursday	choppy	9	8	1					
06-Aug-2021	Friday	choppy	14	20	1					
07-Aug-2021	Saturday	choppy	32	27	10		2			
08-Aug-2021	Sunday	calm/rippled	42	36	6			205	0804	315
09-Aug-2021	Monday	calm/rippled	20	23	7		6			
10-Aug-2021	Tuesday	choppy	21	30	28					
11-Aug-2021	Wednesday	frequent whitecaps	10	14	17			149	0802	245
12-Aug-2021	Thursday	choppy	15	15	3	1				
13-Aug-2021	Friday	calm/rippled	31	34	15					
14-Aug-2021	Saturday	choppy	26	27	21		7			
15-Aug-2021	Sunday	calm/rippled	26	20	16					
16-Aug-2021	Monday	choppy	17	5	6		1			
17-Aug-2021	Tuesday	calm/rippled	14	9	11			115	0806	171
18-Aug-2021	Wednesday		0							
19-Aug-2021	Thursday	choppy	10	9	10		1			
20-Aug-2021	Friday	calm/rippled	15	15	20					
21-Aug-2021	Saturday	choppy	33	41	25			18	0739	30
22-Aug-2021	Sunday	choppy	17	33	3					
23-Aug-2021	Monday	choppy	18	18	16					
24-Aug-2021	Tuesday	calm/rippled	16	26	6		4	62	0812	88
25-Aug-2021	Wednesday	calm/rippled	10	5	6		3			
26-Aug-2021	Thursday	calm/rippled	5	7	3					
27-Aug-2021	Friday	calm/rippled	38	30	32		1			
28-Aug-2021	Saturday	calm/rippled	24	30	22			95	0800	151
29-Aug-2021	Sunday	frequent whitecaps	8	3	11		1			
30-Aug-2021	Monday	calm/rippled	9	4	15			40	0753	69
31-Aug-2021	Tuesday	calm/rippled	6	5	7					
01-Sep-2021	Wednesday		0							
02-Sep-2021	Thursday		0							
03-Sep-2021	Friday		0							
	Totals	choppy	328	349	234	3	27	105*		165*
	Totals	choppy	264	312	128		10	132*		207*

\* 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	165	21	3465	1.064	0.713	0.009	0.082	3687	2471	31	284
Weekend	207	10	2070	1.182	0.485		0.038	2447	1004		79

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	4888	2316	713		71
2017	August	5944	7709	789		29
2018	August	5456	5862	3220	7	64
2019	August	5617	5129	3068		29
2020	August	4930	3762	587	8	17
2021	August	5046	5259	1958	13	42
5-Yr Avg	August	5367	4956	1675	8	42

**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	651	33%	18%	1048	48%	11%	118
Chinook	311	6%	29%	1121	20%	8%	90

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	587	14%
iRec Anglers	9271	20%

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

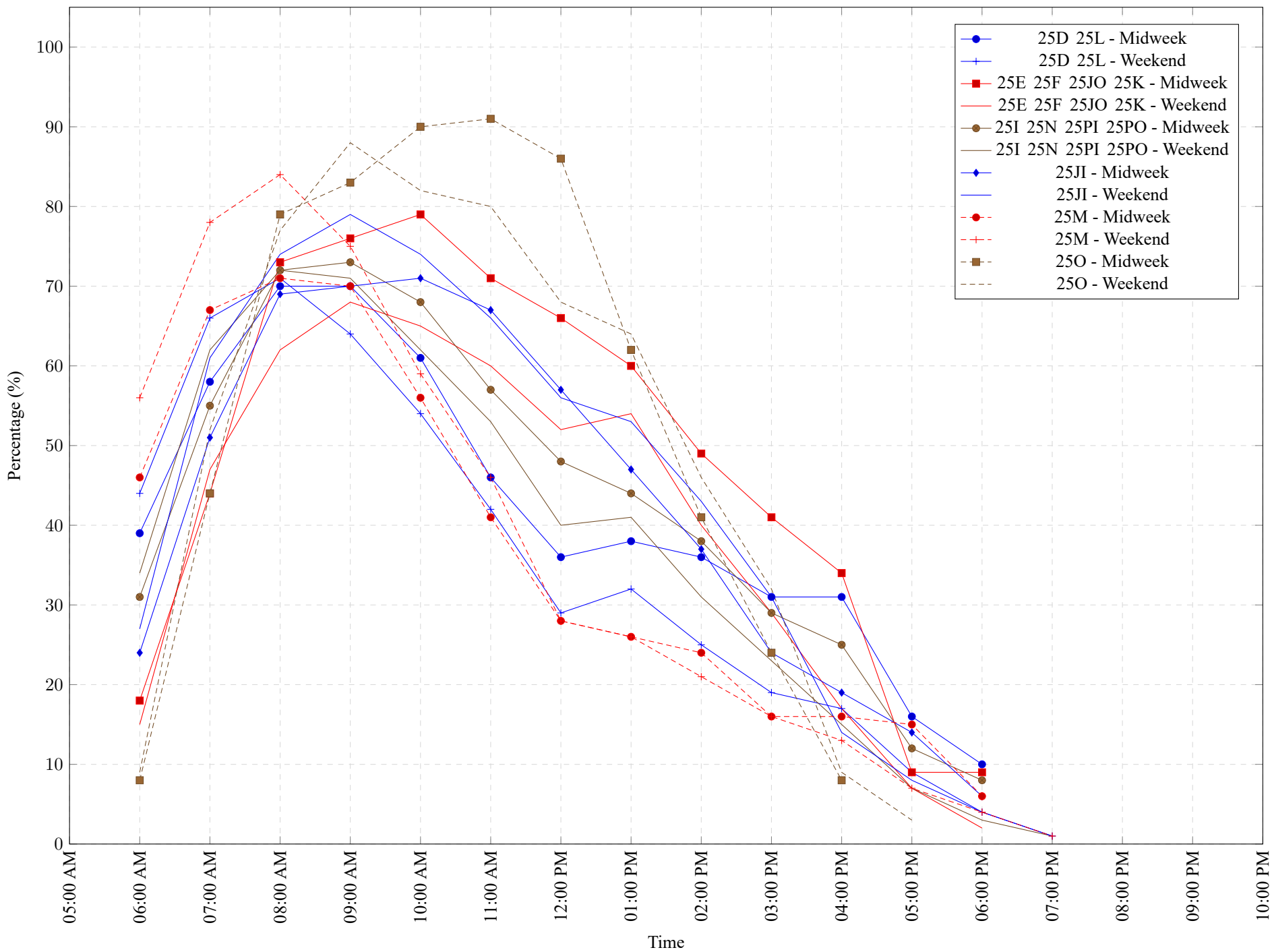


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	7:00	8:00	9:00	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
		AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
25D 25L	Midweek	39%	58%	70%	70%	61%	46%	36%	38%	36%	31%	31%	16%	10%	0%	0%	0%	0%
25D 25L	Weekend	44%	66%	71%	64%	54%	42%	29%	32%	25%	19%	17%	9%	4%	1%	0%	0%	0%
25E 25F 25JO 25K	Midweek	18%	44%	73%	76%	79%	71%	66%	60%	49%	41%	34%	9%	9%	0%	0%	0%	0%
25E 25F 25JO 25K	Weekend	15%	47%	62%	68%	65%	60%	52%	54%	40%	29%	17%	7%	2%	0%	0%	0%	0%
25I 25N 25PI 25PO	Midweek	31%	55%	72%	73%	68%	57%	48%	44%	38%	29%	25%	12%	8%	0%	0%	0%	0%
25I 25N 25PI 25PO	Weekend	34%	62%	72%	71%	62%	53%	40%	41%	31%	23%	15%	7%	3%	1%	0%	0%	0%
25JI	Midweek	24%	51%	69%	70%	71%	67%	57%	47%	37%	24%	19%	14%	6%	0%	0%	0%	0%
25JI	Weekend	27%	61%	74%	79%	74%	66%	56%	53%	43%	31%	14%	8%	4%	1%	0%	0%	0%
25M	Midweek	46%	67%	71%	70%	56%	41%	28%	26%	24%	16%	16%	15%	6%	0%	0%	0%	0%
25M	Weekend	56%	78%	84%	75%	59%	46%	28%	26%	21%	16%	13%	7%	4%	1%	0%	0%	0%
25O	Midweek	8%	44%	79%	83%	90%	91%	86%	62%	41%	24%	8%	0%	0%	0%	0%	0%	0%
25O	Weekend	9%	52%	77%	88%	82%	80%	68%	64%	46%	32%	9%	3%	0%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Cougar Creek	Critter Cove	Moutcha Bay Resort	Westview Marina	Zeballos
29 Jul 2021	Midweek	frequent whitecaps	choppy	choppy		
30 Jul 2021	Midweek					
31 Jul 2021	Weekend			frequent whitecaps		
01 Aug 2021	Weekend		calm/rippled	frequent whitecaps	calm/rippled	
02 Aug 2021	Weekend		choppy			
03 Aug 2021	Midweek		calm/rippled			
04 Aug 2021	Midweek	choppy			choppy	
05 Aug 2021	Midweek				choppy	
06 Aug 2021	Midweek					
07 Aug 2021	Weekend	choppy	calm/rippled	choppy	choppy	calm/rippled
08 Aug 2021	Weekend				calm/rippled	
09 Aug 2021	Midweek				calm/rippled	
10 Aug 2021	Midweek		choppy		choppy	
11 Aug 2021	Midweek				frequent whitecaps	
12 Aug 2021	Midweek			choppy		
13 Aug 2021	Midweek	choppy		frequent whitecaps	calm/rippled	calm/rippled
14 Aug 2021	Weekend				calm/rippled	
15 Aug 2021	Weekend	choppy	calm/rippled		calm/rippled	
16 Aug 2021	Midweek	choppy	choppy	calm/rippled		
17 Aug 2021	Midweek					
18 Aug 2021	Midweek					
19 Aug 2021	Midweek			choppy	frequent whitecaps	calm/rippled
20 Aug 2021	Midweek				calm/rippled	
21 Aug 2021	Weekend		calm/rippled		choppy	choppy
22 Aug 2021	Weekend	frequent whitecaps	choppy		calm/rippled	
23 Aug 2021	Midweek		choppy	choppy	calm/rippled	calm/rippled
24 Aug 2021	Midweek					
25 Aug 2021	Midweek					
26 Aug 2021	Midweek	choppy	calm/rippled	calm/rippled	calm/rippled	
27 Aug 2021	Midweek		choppy			
28 Aug 2021	Weekend		calm/rippled	calm/rippled	calm/rippled	
29 Aug 2021	Weekend	frequent whitecaps				
30 Aug 2021	Midweek					
31 Aug 2021	Midweek					
01 Sep 2021	Midweek				calm/rippled	
02 Sep 2021	Midweek					
03 Sep 2021	Midweek					