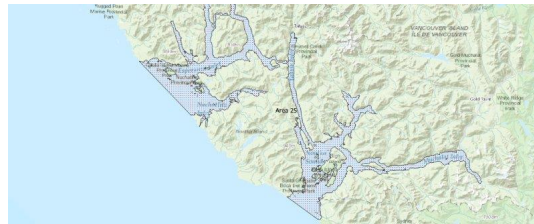


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 25 July 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Sunday 6th February, 2022



Fisheries and Oceans
Canada

Pêches et Océans
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			Westview Marina			Zeballos	
		AM	MD	PM	AM	MD	PM	AM	MD	PM	AM	MD	PM	MD	PM
28 Jun 2021	Midweek					2		1							
29 Jun 2021	Midweek							1							
30 Jun 2021	Midweek	3													
01 Jul 2021	Weekend									4				4	
02 Jul 2021	Midweek	11										8			
03 Jul 2021	Weekend							7						8	
04 Jul 2021	Weekend						2					7			
05 Jul 2021	Midweek				5							4			
06 Jul 2021	Midweek					7								3	
07 Jul 2021	Midweek		22				6								
08 Jul 2021	Midweek	13													
09 Jul 2021	Midweek									6		6			1
10 Jul 2021	Weekend		14				11					17		3	
11 Jul 2021	Weekend					11			6				11		
12 Jul 2021	Midweek		10			7									
13 Jul 2021	Midweek	17													
14 Jul 2021	Midweek											10			
15 Jul 2021	Midweek											6			
16 Jul 2021	Midweek						14					2			
17 Jul 2021	Weekend					7					4			5	
18 Jul 2021	Weekend			9	6										
19 Jul 2021	Midweek						8			9				9	
20 Jul 2021	Midweek		24									7			
21 Jul 2021	Midweek		17									9			
22 Jul 2021	Midweek									10				7	
23 Jul 2021	Midweek		11											1	
24 Jul 2021	Weekend	24												4	
25 Jul 2021	Weekend					14						8			
26 Jul 2021	Midweek						18				4				
27 Jul 2021	Midweek					13						4			
28 Jul 2021	Midweek		12				8						6		1
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			

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-2021	Monday	choppy	4	2			9			
29-Jun-2021	Tuesday	frequent whitecaps	2				2	37	0759	51
30-Jun-2021	Wednesday	choppy	3	4			1			
01-Jul-2021	Thursday (Canada Day)	choppy	8	10	8		2			
02-Jul-2021	Friday	choppy	19	15	20					
03-Jul-2021	Saturday	calm/rippled	15	21	12		5	78	0751	102
04-Jul-2021	Sunday	choppy	9	23	5					
05-Jul-2021	Monday	choppy	9	8						
06-Jul-2021	Tuesday	choppy	10	12	4					
07-Jul-2021	Wednesday	frequent whitecaps	28	13	1		1			
08-Jul-2021	Thursday	choppy	14	1			8	33	0757	50
09-Jul-2021	Friday	choppy	13	6						
10-Jul-2021	Saturday	choppy	45	14	5		3	76	0845	95
11-Jul-2021	Sunday	choppy	28	21	2		4			
12-Jul-2021	Monday	frequent whitecaps	17	14	1					
13-Jul-2021	Tuesday	choppy	17	12		1		104	0808	145
14-Jul-2021	Wednesday	calm/rippled	10	8						
15-Jul-2021	Thursday	choppy	7	4	2		10			
16-Jul-2021	Friday	frequent whitecaps	16	16	5					
17-Jul-2021	Saturday	calm/rippled	16	2	4			150	0805	201
18-Jul-2021	Sunday	choppy	16	5			15			
19-Jul-2021	Monday	choppy	26	36	15			93	0806	131
20-Jul-2021	Tuesday	choppy	31	18	21					
21-Jul-2021	Wednesday	choppy	26	22	11		1			
22-Jul-2021	Thursday	choppy	17	27	10					
23-Jul-2021	Friday	calm/rippled	12	18						
24-Jul-2021	Saturday	calm/rippled	28	20	16		1	166	0810	222
25-Jul-2021	Sunday	choppy	22	33	6		1			
26-Jul-2021	Monday	choppy	22	37	4					
27-Jul-2021	Tuesday	calm/rippled	17	42	11		1			
28-Jul-2021	Wednesday	choppy	27	38	3					
29-Jul-2021	Thursday	choppy	16	19	3			56	0735	88
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	284
02-Aug-2021	Monday (B.C. Day)	calm/rippled	24	49	7					
03-Aug-2021	Tuesday	calm/rippled	35	44	20	2		158	0803	223
	Totals	choppy	358	375	111	1	21	72*		104*
	Totals	choppy	222	211	62		35	118*		155*

* 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	155	10	1550	0.95	0.279		0.158	1473	432		245
Midweek	104	21	2184	1.047	0.31	0.003	0.059	2287	677	7	129

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	July	7505	4461	675		588
2017	July	5032	7161	343		114
2018	July	4659	3963	2771	3	111
2019	July	5910	9797	3257	21	102
2020	July	5127	5132	322	0	62
2021	July	3733	3787	1047	3	124
5-Yr Avg	July	5647	6103	1474	8	195

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	320	31%	31%	336	28%	29%	99
Chinook	563	15%	27%	1041	24%	14%	150

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	576	10%
iRec Anglers	8690	16%

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

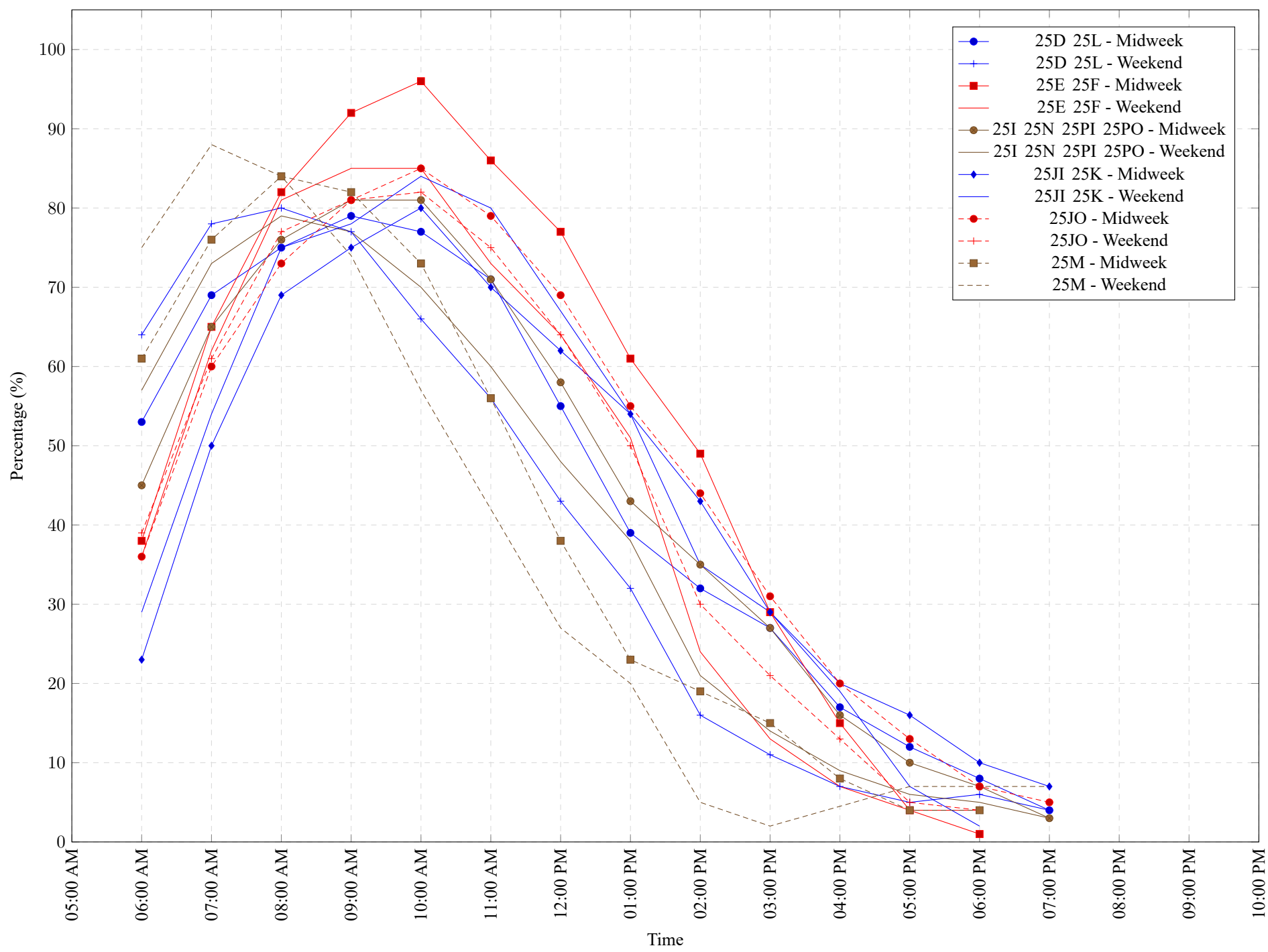


Table 7: Proportion of each day's fishing by hour.

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	53%	69%	75%	79%	77%	71%	55%	39%	32%	27%	17%	12%	8%	4%	0%	0%	0%
25D 25L	Weekend	64%	78%	80%	77%	66%	56%	43%	32%	16%	11%	7%	5%	6%	4%	0%	0%	0%
25E 25F	Midweek	38%	65%	82%	92%	96%	86%	77%	61%	49%	29%	15%	4%	1%	0%	0%	0%	0%
25E 25F	Weekend	36%	62%	81%	85%	85%	73%	64%	51%	24%	13%	7%	4%	4%	0%	0%	0%	0%
25I 25N 25PI 25PO	Midweek	45%	65%	76%	81%	81%	71%	58%	43%	35%	27%	16%	10%	7%	3%	0%	0%	0%
25I 25N 25PI 25PO	Weekend	57%	73%	79%	77%	70%	60%	48%	38%	21%	14%	9%	6%	5%	3%	0%	0%	0%
25JI 25K	Midweek	23%	50%	69%	75%	80%	70%	62%	54%	43%	29%	20%	16%	10%	7%	0%	0%	0%
25JI 25K	Weekend	29%	54%	75%	78%	84%	80%	67%	54%	35%	29%	19%	7%	2%	0%	0%	0%	0%
25JO	Midweek	36%	60%	73%	81%	85%	79%	69%	55%	44%	31%	20%	13%	7%	5%	0%	0%	0%
25JO	Weekend	39%	61%	77%	81%	82%	75%	64%	50%	30%	21%	13%	5%	4%	0%	0%	0%	0%
25M	Midweek	61%	76%	84%	82%	73%	56%	38%	23%	19%	15%	8%	4%	4%	0%	0%	0%	0%
25M	Weekend	75%	88%	84%	74%	57%	42%	27%	20%	5%	2%	0%	7%	7%	7%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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