

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 25 July 2020



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 20th February, 2021



Fisheries and Oceans
Canada

Pêches et Océans
Canada

**your
catch
counts**

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		
		AM	MD	PM	AM	MD	PM	AM	MD	PM	AM	MD	PM
28 Jun 2020	Weekend	4			3							9	
29 Jun 2020	Midweek							5				8	
30 Jun 2020	Midweek	1				5							
01 Jul 2020	Weekend					8				4			4
02 Jul 2020	Midweek				5							3	
03 Jul 2020	Midweek					11							
04 Jul 2020	Weekend						14					5	
05 Jul 2020	Weekend											10	
06 Jul 2020	Midweek				2								9
07 Jul 2020	Midweek	6											
08 Jul 2020	Midweek	6					9						
09 Jul 2020	Midweek					12				9	1		
10 Jul 2020	Midweek		3										
11 Jul 2020	Weekend								11			7	
12 Jul 2020	Weekend						15					8	
13 Jul 2020	Midweek											7	
14 Jul 2020	Midweek		13			18							
15 Jul 2020	Midweek	14				20							3
16 Jul 2020	Midweek		7									8	
17 Jul 2020	Midweek									14			8
18 Jul 2020	Weekend			5	11								
19 Jul 2020	Weekend					15				10		9	
20 Jul 2020	Midweek	15											
21 Jul 2020	Midweek											13	
22 Jul 2020	Midweek						24					16	
23 Jul 2020	Midweek										2		
24 Jul 2020	Midweek		18			19						8	
25 Jul 2020	Weekend		24			21							
26 Jul 2020	Weekend									22			9
27 Jul 2020	Midweek	12										18	
28 Jul 2020	Midweek											14	
29 Jul 2020	Midweek							9				5	
30 Jul 2020	Midweek			10									
31 Jul 2020	Midweek					22			16		2		
01 Aug 2020	Weekend					22						10	
02 Aug 2020	Weekend						21						
03 Aug 2020	Weekend	8										7	

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-2020	Sunday	choppy	16	12	6		3			
29-Jun-2020	Monday	choppy	13	20	2		1			
30-Jun-2020	Tuesday	calm/rippled	6	5			2	37	0749	60
01-Jul-2020	Wednesday (Canada Day)	choppy	16	26	11					
02-Jul-2020	Thursday	calm/rippled	10	16	1		1			
03-Jul-2020	Friday	choppy	19	21	2		2			
04-Jul-2020	Saturday	choppy	20	8	4		1			
05-Jul-2020	Sunday	choppy	13	3			1	57	0748	76
06-Jul-2020	Monday	choppy	12	10						
07-Jul-2020	Tuesday	choppy	6	6			1			
08-Jul-2020	Wednesday	choppy	19	11	1			46	0740	82
09-Jul-2020	Thursday	choppy	22	17						
10-Jul-2020	Friday	choppy	11	7	8					
11-Jul-2020	Saturday	calm/rippled	18	16	2					
12-Jul-2020	Sunday	calm/rippled	23	17	2			77	0752	114
13-Jul-2020	Monday	calm/rippled	7	10	1			86	0754	151
14-Jul-2020	Tuesday	choppy	31	32	3					
15-Jul-2020	Wednesday	choppy	37	43			2			
16-Jul-2020	Thursday	calm/rippled	15	22	4					
17-Jul-2020	Friday	choppy	22	35	1					
18-Jul-2020	Saturday	choppy	16	29	1			136	0746	199
19-Jul-2020	Sunday	choppy	34	51	7					
20-Jul-2020	Monday	choppy	15	24	2					
21-Jul-2020	Tuesday	calm/rippled	13	22	1					
22-Jul-2020	Wednesday	choppy	40	49	1					
23-Jul-2020	Thursday	calm/rippled	2	1				157	0747	270
24-Jul-2020	Friday	calm/rippled	45	45			1			
25-Jul-2020	Saturday	choppy	45	24				198	0742	291
26-Jul-2020	Sunday	choppy	31	28			2			
27-Jul-2020	Monday	choppy	30	26				172	0747	299
28-Jul-2020	Tuesday	choppy	14	6						
29-Jul-2020	Wednesday	calm/rippled	14	18						
30-Jul-2020	Thursday	frequent whitecaps	10	7						
31-Jul-2020	Friday	choppy	40	23						
01-Aug-2020	Saturday	choppy	32	20	1		1	170	0749	256
02-Aug-2020	Sunday	calm/rippled	21	16						
03-Aug-2020	Monday (B.C. Day)	calm/rippled	15	14						
	Totals	choppy	434	451	25		7	115*		201*
	Totals	choppy	216	202	27		4	117*		170*

* 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	170	9	1530	0.9350	0.1250		0.0190	1431	191		29
Midweek	201	22	4422	1.0390	0.0580		0.0160	4594	256		71

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	July	4336	7510	3444		205
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
5-Yr Avg	July	5488	6578	2098	12	224

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	84	26%	8%	125	45%	6%	7
Chinook	168	3%	21%	812	13%	4%	36

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	664	12%
iRec Anglers	10619	14%

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

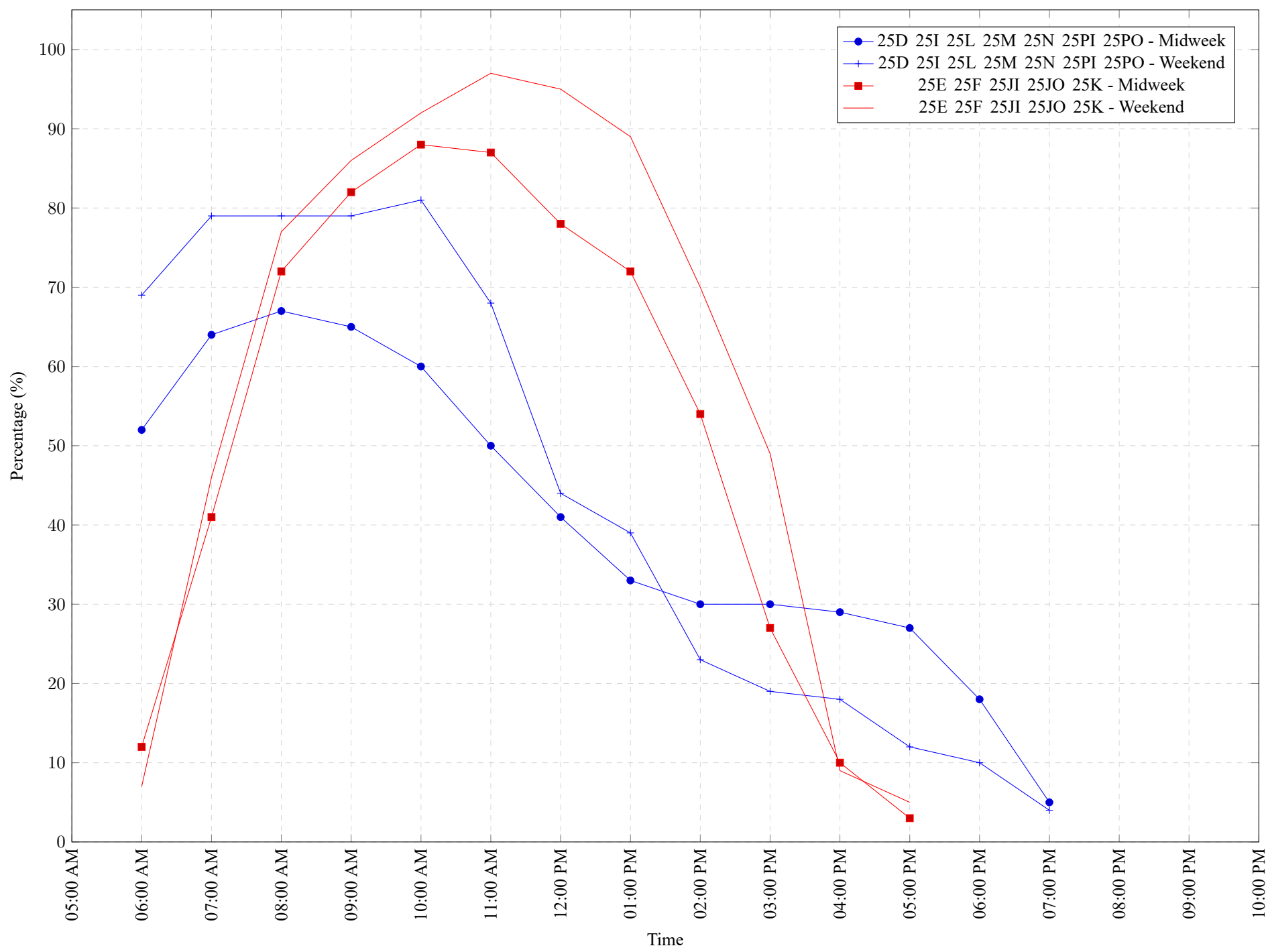


Table 7: Proportion of each day's fishing by hour.

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	25I	25L	25M	25N	25PI	25PO		Midweek	52%	64%	67%	65%	60%	50%	41%	33%	30%	30%	29%	27%	18%	5%	0%	0%	0%
25D	25I	25L	25M	25N	25PI	25PO		Weekend	69%	79%	79%	79%	81%	68%	44%	39%	23%	19%	18%	12%	10%	4%	0%	0%	0%
25E	25F	25JI	25JO	25K				Midweek	12%	41%	72%	82%	88%	87%	78%	72%	54%	27%	10%	3%	0%	0%	0%	0%	0%
25E	25F	25JI	25JO	25K				Weekend	7%	46%	77%	86%	92%	97%	95%	89%	70%	49%	9%	5%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cougar Creek	Critter Cove	Moutcha Bay Resort	Westview Marina
28 Jun 2020	Weekend	choppy	calm/rippled		choppy
29 Jun 2020	Midweek			choppy	choppy
30 Jun 2020	Midweek	choppy	calm/rippled		
01 Jul 2020	Weekend		choppy	frequent whitecaps	choppy
02 Jul 2020	Midweek		choppy		calm/rippled
03 Jul 2020	Midweek		choppy		
04 Jul 2020	Weekend		choppy		calm/rippled
05 Jul 2020	Weekend				choppy
06 Jul 2020	Midweek		calm/rippled		choppy
07 Jul 2020	Midweek	choppy			
08 Jul 2020	Midweek	calm/rippled	choppy		
09 Jul 2020	Midweek		choppy	choppy	calm/rippled
10 Jul 2020	Midweek	choppy			
11 Jul 2020	Weekend			calm/rippled	calm/rippled
12 Jul 2020	Weekend		choppy		calm/rippled
13 Jul 2020	Midweek				calm/rippled
14 Jul 2020	Midweek	choppy	choppy		
15 Jul 2020	Midweek	choppy	choppy		calm/rippled
16 Jul 2020	Midweek	choppy			calm/rippled
17 Jul 2020	Midweek			frequent whitecaps	calm/rippled
18 Jul 2020	Weekend	frequent whitecaps	choppy		
19 Jul 2020	Weekend		choppy	frequent whitecaps	frequent whitecaps
20 Jul 2020	Midweek	choppy			
21 Jul 2020	Midweek				calm/rippled
22 Jul 2020	Midweek		choppy		choppy
23 Jul 2020	Midweek				calm/rippled
24 Jul 2020	Midweek	calm/rippled	calm/rippled		calm/rippled
25 Jul 2020	Weekend	frequent whitecaps	calm/rippled		
26 Jul 2020	Weekend			frequent whitecaps	calm/rippled
27 Jul 2020	Midweek	choppy			calm/rippled
28 Jul 2020	Midweek				choppy
29 Jul 2020	Midweek			calm/rippled	choppy
30 Jul 2020	Midweek	frequent whitecaps			
31 Jul 2020	Midweek		calm/rippled	frequent whitecaps	choppy
01 Aug 2020	Weekend		choppy		choppy
02 Aug 2020	Weekend		calm/rippled		
03 Aug 2020	Weekend	choppy			calm/rippled