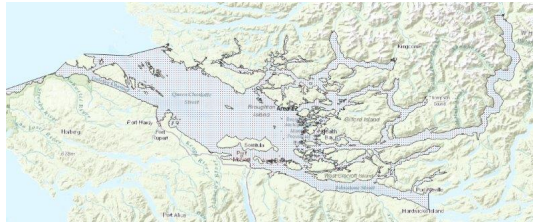


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 12 August 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Sunday 6th February, 2022



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	Alder Bay Campsite		Bear Cove		Brown's Bay	Port McNeill Ramp		Quarterdeck Marina		Telegraph Cove	
		AM	PM	AM	PM	PM	AM	PM	AM	PM	AM	PM
29 Jul 2021	Midweek							21				
30 Jul 2021	Midweek											31
31 Jul 2021	Weekend								1			
01 Aug 2021	Weekend				13	1						22
02 Aug 2021	Weekend									9		
03 Aug 2021	Midweek									4		
04 Aug 2021	Midweek						24			6		
05 Aug 2021	Midweek										15	
06 Aug 2021	Midweek		14									
07 Aug 2021	Weekend				13							18
08 Aug 2021	Weekend						9			8		
09 Aug 2021	Midweek			15								
10 Aug 2021	Midweek								2			
11 Aug 2021	Midweek	19										
12 Aug 2021	Midweek											
13 Aug 2021	Midweek						27					
14 Aug 2021	Weekend											38
15 Aug 2021	Weekend						13			5		
16 Aug 2021	Midweek								8			
17 Aug 2021	Midweek									4		
18 Aug 2021	Midweek		16		11							
19 Aug 2021	Midweek											25
20 Aug 2021	Midweek						22					
21 Aug 2021	Weekend		12						5			
22 Aug 2021	Weekend						11			4		
23 Aug 2021	Midweek				16							
24 Aug 2021	Midweek			7								
25 Aug 2021	Midweek									4	31	
26 Aug 2021	Midweek									5		
27 Aug 2021	Midweek			12								30
28 Aug 2021	Weekend		5									
29 Aug 2021	Weekend											
30 Aug 2021	Midweek											
31 Aug 2021	Midweek											
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	21	4	13		2			
30-Jul-2021	Friday	calm/rippled	31	4	25		1			
31-Jul-2021	Saturday	calm/rippled	1	1				28	1054	37
01-Aug-2021	Sunday	choppy	37	14			3			
02-Aug-2021	Monday (B.C. Day)	choppy	9	4	4					
03-Aug-2021	Tuesday	calm/rippled	6	7						
04-Aug-2021	Wednesday	calm/rippled	36	18	1		4	70	1059	113
05-Aug-2021	Thursday	choppy	16	19	1					
06-Aug-2021	Friday	choppy	14	5						
07-Aug-2021	Saturday	choppy	32	5	2		1	79	1139	103
08-Aug-2021	Sunday	frequent whitecaps	17	9	5		2			
09-Aug-2021	Monday	choppy	16	4	3					
10-Aug-2021	Tuesday	calm/rippled	2	3						
11-Aug-2021	Wednesday	choppy	20							
12-Aug-2021	Thursday		3					98	1000	147
13-Aug-2021	Friday	calm/rippled	28	4			6			
14-Aug-2021	Saturday	calm/rippled	41	8	20			85	1002	114
15-Aug-2021	Sunday	choppy	19	3			8			
16-Aug-2021	Monday	frequent whitecaps	9	5	1					
17-Aug-2021	Tuesday	choppy	6	2	3					
18-Aug-2021	Wednesday	choppy	28	7	1					
19-Aug-2021	Thursday	frequent whitecaps	25	6	2			26	1147	44
20-Aug-2021	Friday	choppy	26	8	3			86	0947	131
21-Aug-2021	Saturday	choppy	17	12	4					
22-Aug-2021	Sunday	choppy	15	3				48	0949	70
23-Aug-2021	Monday	calm/rippled	16	4	5		1			
24-Aug-2021	Tuesday	calm/rippled	7	4	1		1			
25-Aug-2021	Wednesday	calm/rippled	35	13	17		1			
26-Aug-2021	Thursday	calm/rippled	6	2	1					
27-Aug-2021	Friday	calm/rippled	44	12	7		13			
28-Aug-2021	Saturday	calm/rippled	5	6	2					
29-Aug-2021	Sunday		2	2			2			
30-Aug-2021	Monday		0							
31-Aug-2021	Tuesday		0							
01-Sep-2021	Wednesday		0							
02-Sep-2021	Thursday		0							
03-Sep-2021	Friday		0							
	Totals	choppy	343	123	46		26	70*		109*
	Totals	choppy	194	66	37		16	71*		96*

* 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	96	10	960	0.34	0.191		0.082	326	183		79
Midweek	109	21	2289	0.359	0.134		0.076	822	307		174

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	5246	1892	1243	25	457
2017	August	5419	4225	679	67	255
2018	August	5876	2160	376	3646	227
2019	August	5027	2697	367	6	385
2020	August	4199	1400	767		846
2021	August	3414	1257	310	0	232
5-Yr Avg	August	5153	2475	686	936	434

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	88	28%	18%	120	20%	13%	16
Chinook	130	10%	24%	83	4%	37%	31

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	534	5%
iRec Anglers	8984	5%

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

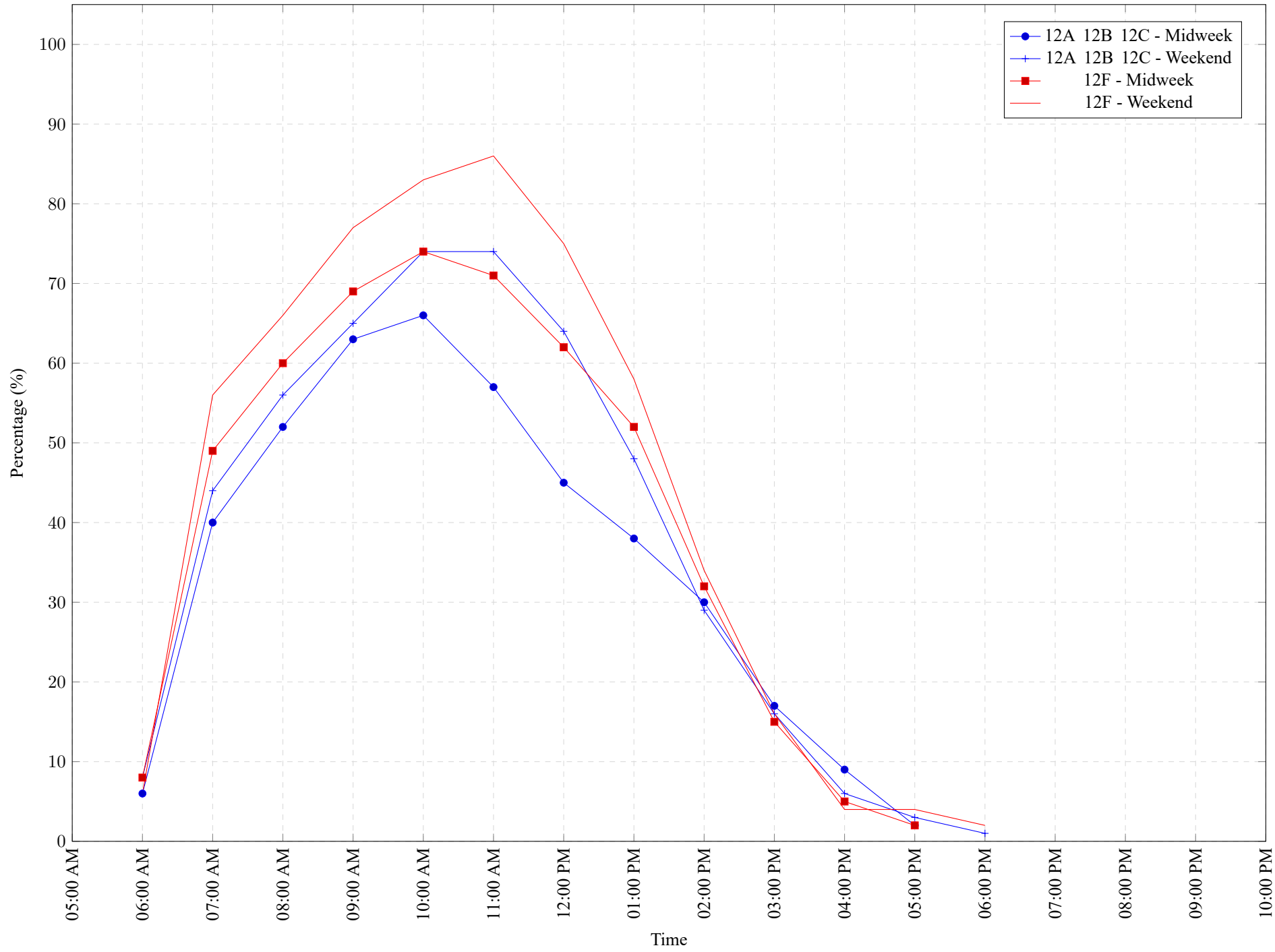


Table 7: Proportion of each day's fishing by hour.

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
12A	12B	12C		Midweek	6%	40%	52%	63%	66%	57%	45%	38%	30%	17%	9%	2%	0%	0%	0%	0%	0%
12A	12B	12C		Weekend	8%	44%	56%	65%	74%	74%	64%	48%	29%	16%	6%	3%	1%	0%	0%	0%	0%
	12F			Midweek	8%	49%	60%	69%	74%	71%	62%	52%	32%	15%	5%	2%	0%	0%	0%	0%	0%
	12F			Weekend	6%	56%	66%	77%	83%	86%	75%	58%	34%	16%	4%	4%	2%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Alder Bay Campsite	Bear Cove	Brown's Bay	Port McNeill Ramp	Quarterdeck Marina	Telegraph Cove
29 Jul 2021	Midweek				choppy		
30 Jul 2021	Midweek						calm/rippled
31 Jul 2021	Weekend					calm/rippled	
01 Aug 2021	Weekend		frequent whitecaps	frequent whitecaps			calm/rippled
02 Aug 2021	Weekend					choppy	
03 Aug 2021	Midweek					calm/rippled	
04 Aug 2021	Midweek				calm/rippled	calm/rippled	
05 Aug 2021	Midweek						choppy
06 Aug 2021	Midweek	choppy					
07 Aug 2021	Weekend		choppy				choppy
08 Aug 2021	Weekend				choppy	frequent whitecaps	
09 Aug 2021	Midweek		choppy				
10 Aug 2021	Midweek					calm/rippled	
11 Aug 2021	Midweek	choppy					
12 Aug 2021	Midweek						
13 Aug 2021	Midweek				calm/rippled		
14 Aug 2021	Weekend						calm/rippled
15 Aug 2021	Weekend				calm/rippled	choppy	
16 Aug 2021	Midweek					frequent whitecaps	
17 Aug 2021	Midweek					choppy	
18 Aug 2021	Midweek	choppy	choppy				
19 Aug 2021	Midweek						frequent whitecaps
20 Aug 2021	Midweek				choppy		
21 Aug 2021	Weekend	choppy				frequent whitecaps	
22 Aug 2021	Weekend				choppy	choppy	
23 Aug 2021	Midweek		calm/rippled				
24 Aug 2021	Midweek		calm/rippled				
25 Aug 2021	Midweek					calm/rippled	calm/rippled
26 Aug 2021	Midweek					calm/rippled	
27 Aug 2021	Midweek		choppy				calm/rippled
28 Aug 2021	Weekend	calm/rippled					
29 Aug 2021	Weekend						
30 Aug 2021	Midweek						
31 Aug 2021	Midweek						
01 Sep 2021	Midweek						
02 Sep 2021	Midweek						
03 Sep 2021	Midweek						