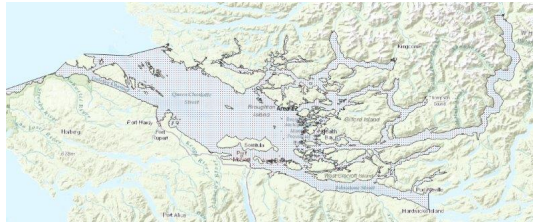


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 12 July 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	Alder Bay Campsite		Bear Cove		Port McNeill Ramp		Quarterdeck Marina		Telegraph Cove	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
28 Jun 2022	Midweek				4						
29 Jun 2022	Midweek							2			
30 Jun 2022	Midweek			3						8	
01 Jul 2022	Weekend							4			
02 Jul 2022	Weekend					12					
03 Jul 2022	Weekend										6
04 Jul 2022	Midweek			2							
05 Jul 2022	Midweek				2						
06 Jul 2022	Midweek									4	
07 Jul 2022	Midweek							2			
08 Jul 2022	Midweek						4				
09 Jul 2022	Weekend		4	9							
10 Jul 2022	Weekend				8						4
11 Jul 2022	Midweek				6						
12 Jul 2022	Midweek										
13 Jul 2022	Midweek		2					3			
14 Jul 2022	Midweek										4
15 Jul 2022	Midweek						5				
16 Jul 2022	Weekend			19							9
17 Jul 2022	Weekend								18	6	
18 Jul 2022	Midweek			11							
19 Jul 2022	Midweek				11						
20 Jul 2022	Midweek	7							5		
21 Jul 2022	Midweek										15
22 Jul 2022	Midweek									20	
23 Jul 2022	Weekend					10		10			
24 Jul 2022	Weekend	16			18						
25 Jul 2022	Midweek								4		
26 Jul 2022	Midweek				21						
27 Jul 2022	Midweek				21						
28 Jul 2022	Midweek										17
29 Jul 2022	Midweek						10				
30 Jul 2022	Weekend	10						9			
31 Jul 2022	Weekend				13					18	
01 Aug 2022	Weekend								7		
02 Aug 2022	Midweek			12							
03 Aug 2022	Midweek							2		5	

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-2022	Tuesday	calm/rippled	8	3			1			
29-Jun-2022	Wednesday	choppy	4	4			3	40	1152	51
30-Jun-2022	Thursday	calm/rippled	13	2						
01-Jul-2022	Friday (Canada Day)	choppy	12	3						
02-Jul-2022	Saturday	calm/rippled	12	4	2		4			
03-Jul-2022	Sunday	calm/rippled	12	1			1			
04-Jul-2022	Monday	choppy	2							
05-Jul-2022	Tuesday	choppy	3	2			1	28	1150	37
06-Jul-2022	Wednesday	calm/rippled	9	4			1			
07-Jul-2022	Thursday	choppy	5				10			
08-Jul-2022	Friday	calm/rippled	8	6			4			
09-Jul-2022	Saturday	choppy	15	5			3			
10-Jul-2022	Sunday	frequent whitecaps	12				2	24	1023	31
11-Jul-2022	Monday	choppy	6		1		1			
12-Jul-2022	Tuesday		0							
13-Jul-2022	Wednesday	choppy	5		6					
14-Jul-2022	Thursday	calm/rippled	4		1			12	1038	14
15-Jul-2022	Friday	calm/rippled	7	4	8		4			
16-Jul-2022	Saturday	calm/rippled	28	22	56		5	89	1103	116
17-Jul-2022	Sunday	choppy	24	24	32		1			
18-Jul-2022	Monday	calm/rippled	11	7	27					
19-Jul-2022	Tuesday	choppy	13	6	23			71	1159	92
20-Jul-2022	Wednesday	calm/rippled	14	2	14		7			
21-Jul-2022	Thursday	choppy	15		4					
22-Jul-2022	Friday	calm/rippled	23	7	27		1			
23-Jul-2022	Saturday	choppy	23	10	29		2			
24-Jul-2022	Sunday	choppy	35	17	45		1	133	1025	169
25-Jul-2022	Monday	frequent whitecaps	5	4	7					
26-Jul-2022	Tuesday	calm/rippled	24	15	42		1			
27-Jul-2022	Wednesday	calm/rippled	27	13	53		2			
28-Jul-2022	Thursday	calm/rippled	17	2	20					
29-Jul-2022	Friday	calm/rippled	10		7		1	95	1103	115
30-Jul-2022	Saturday	calm/rippled	21	9	35		1			
31-Jul-2022	Sunday	calm/rippled	31	12	47		1			
01-Aug-2022	Monday (B.C. Day)	frequent whitecaps	11	7	13					
02-Aug-2022	Tuesday	choppy	14	5	10					
03-Aug-2022	Wednesday	calm/rippled	8	8						
	Totals	calm/rippled	208	72	240		33	52*		65*
	Totals	choppy	225	107	246		21	82*		105*

* 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	65	20	1300	0.346	1.154		0.159	450	1500		207
Weekend	105	11	1155	0.476	1.093		0.093	550	1262		107

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	July	4406	2834	3267	5	337
2018	July	5679	4205	2701	7	254
2019	July	3845	1274	1484	3	181
2020	July	2728	960	1183	0	515
2021	July	3699	1478	2164		644
2022	July	2641	771	2646	0	299
5-Yr Avg	July	4071	2150	2160	4	386

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	243	9%	14%	774	23%	4%	34
Chinook	46	6%	30%	157	11%	9%	14

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	433	8%
iRec Anglers	8384	11%

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

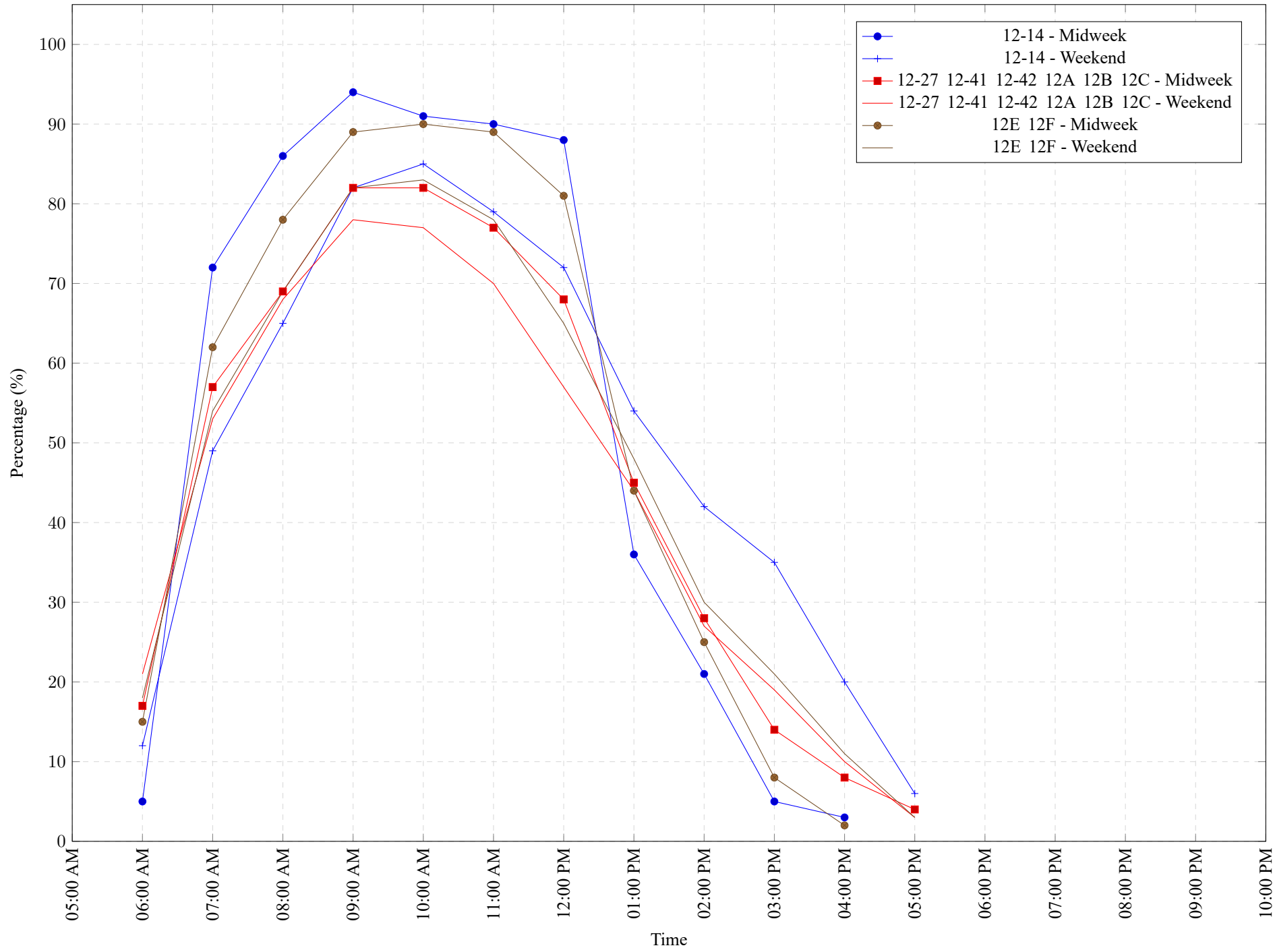


Table 7: Proportion of each day's fishing by hour.

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
12-14		Midweek	5%	72%	86%	94%	91%	90%	88%	36%	21%	5%	3%	0%	0%	0%	0%	0%	0%
12-14		Weekend	12%	49%	65%	82%	85%	79%	72%	54%	42%	35%	20%	6%	0%	0%	0%	0%	0%
12-27 12-41	12-42 12A 12B 12C	Midweek	17%	57%	69%	82%	82%	77%	68%	45%	28%	14%	8%	4%	0%	0%	0%	0%	0%
12-27 12-41	12-42 12A 12B 12C	Weekend	21%	53%	68%	78%	77%	70%	57%	44%	27%	19%	10%	3%	0%	0%	0%	0%	0%
12E 12F		Midweek	15%	62%	78%	89%	90%	89%	81%	44%	25%	8%	2%	0%	0%	0%	0%	0%	0%
12E 12F		Weekend	18%	54%	69%	82%	83%	78%	65%	48%	30%	21%	11%	3%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Alder Bay Campsite	Bear Cove	Port McNeill Ramp	Quarterdeck Marina	Telegraph Cove
28 Jun 2022	Midweek		calm/rippled			
29 Jun 2022	Midweek				choppy	
30 Jun 2022	Midweek		choppy			calm/rippled
01 Jul 2022	Weekend				choppy	
02 Jul 2022	Weekend			calm/rippled		
03 Jul 2022	Weekend					calm/rippled
04 Jul 2022	Midweek		choppy			
05 Jul 2022	Midweek		choppy			
06 Jul 2022	Midweek					calm/rippled
07 Jul 2022	Midweek				choppy	
08 Jul 2022	Midweek			calm/rippled		
09 Jul 2022	Weekend	calm/rippled	choppy			
10 Jul 2022	Weekend		frequent whitecaps			choppy
11 Jul 2022	Midweek		choppy			
12 Jul 2022	Midweek					
13 Jul 2022	Midweek	choppy			choppy	
14 Jul 2022	Midweek					calm/rippled
15 Jul 2022	Midweek			calm/rippled		
16 Jul 2022	Weekend		calm/rippled			calm/rippled
17 Jul 2022	Weekend				choppy	choppy
18 Jul 2022	Midweek		calm/rippled			
19 Jul 2022	Midweek		choppy			
20 Jul 2022	Midweek	calm/rippled			choppy	
21 Jul 2022	Midweek					choppy
22 Jul 2022	Midweek					calm/rippled
23 Jul 2022	Weekend			calm/rippled	choppy	
24 Jul 2022	Weekend	calm/rippled	choppy			
25 Jul 2022	Midweek				frequent whitecaps	
26 Jul 2022	Midweek		calm/rippled			
27 Jul 2022	Midweek		calm/rippled			
28 Jul 2022	Midweek					calm/rippled
29 Jul 2022	Midweek			calm/rippled		
30 Jul 2022	Weekend	calm/rippled			choppy	
31 Jul 2022	Weekend		choppy			calm/rippled
01 Aug 2022	Weekend				frequent whitecaps	
02 Aug 2022	Midweek		choppy			
03 Aug 2022	Midweek				choppy	calm/rippled