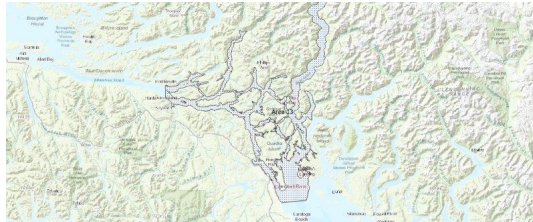


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 May 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 5th 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	Big Rock Boat Rental		Brown's Bay		Discovery Marina South		Pacific Play PM
		AM	PM	AM	PM	AM	PM	
28 Apr 2021	Midweek							
29 Apr 2021	Midweek							
30 Apr 2021	Midweek							
01 May 2021	Weekend	8						
02 May 2021	Weekend							
03 May 2021	Midweek							
04 May 2021	Midweek	9						
05 May 2021	Midweek		14					
06 May 2021	Midweek							
07 May 2021	Midweek							
08 May 2021	Weekend		10					
09 May 2021	Weekend			6				
10 May 2021	Midweek							
11 May 2021	Midweek							
12 May 2021	Midweek							3
13 May 2021	Midweek				1			
14 May 2021	Midweek							
15 May 2021	Weekend				1			
16 May 2021	Weekend		9		3		5	
17 May 2021	Midweek							
18 May 2021	Midweek						1	
19 May 2021	Midweek		3					
20 May 2021	Midweek	5						
21 May 2021	Midweek							1
22 May 2021	Weekend					1		
23 May 2021	Weekend	14					4	
24 May 2021	Weekend							
25 May 2021	Midweek			3				
26 May 2021	Midweek							
27 May 2021	Midweek							
28 May 2021	Midweek		3					
29 May 2021	Weekend					6		
30 May 2021	Weekend							
31 May 2021	Midweek						1	
01 Jun 2021	Midweek							
02 Jun 2021	Midweek						1	
03 Jun 2021	Midweek		13					

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-Apr-2021	Wednesday		0							
29-Apr-2021	Thursday		0							
30-Apr-2021	Friday		0							
01-May-2021	Saturday	calm/rippled	10					28	1110	59
02-May-2021	Sunday		2							
03-May-2021	Monday		0							
04-May-2021	Tuesday	calm/rippled	9							
05-May-2021	Wednesday	calm/rippled	16					20	1110	38
06-May-2021	Thursday		0							
07-May-2021	Friday		0							
08-May-2021	Saturday	calm/rippled	11							
09-May-2021	Sunday	calm/rippled	6					25	1107	53
10-May-2021	Monday		0							
11-May-2021	Tuesday		0							
12-May-2021	Wednesday	calm/rippled	3							
13-May-2021	Thursday	choppy	1					8	1112	17
14-May-2021	Friday		0							
15-May-2021	Saturday	choppy	3	4						
16-May-2021	Sunday	calm/rippled	20	5				41	1109	85
17-May-2021	Monday		1	2						
18-May-2021	Tuesday	choppy	2	1				8	1100	17
19-May-2021	Wednesday	choppy	3							
20-May-2021	Thursday	calm/rippled	5							
21-May-2021	Friday	calm/rippled	2	2						
22-May-2021	Saturday	choppy	2	2						
23-May-2021	Sunday	choppy	21	3				47	1107	100
24-May-2021	Monday (Victoria Day)		0							
25-May-2021	Tuesday	calm/rippled	3							
26-May-2021	Wednesday		0							
27-May-2021	Thursday		0							
28-May-2021	Friday	calm/rippled	4	2				13	1104	27
29-May-2021	Saturday	choppy	9	2						
30-May-2021	Sunday		1	2						
31-May-2021	Monday	calm/rippled	2							
01-Jun-2021	Tuesday		3	3				33	1104	60
02-Jun-2021	Wednesday	calm/rippled	2				1			
03-Jun-2021	Thursday	calm/rippled	15	1						
	Totals	calm/rippled	51	7				12*		25*
	Totals	choppy	85	18				35*		74*

* 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	74	11	814	0.212				173			
Midweek	25	20	500	0.137				69			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	May	2739	1088			
2017	May	1343	537			1
2018	May	1363	1032			
2019	May	867	0			0
2020	May	1045	47			
2021	May	1011	25			0
5-Yr Avg	May	1471	541			1

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
Chinook	6	24%	100%	0	0%		6

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	136	4%
iRec Anglers	1617	2%

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

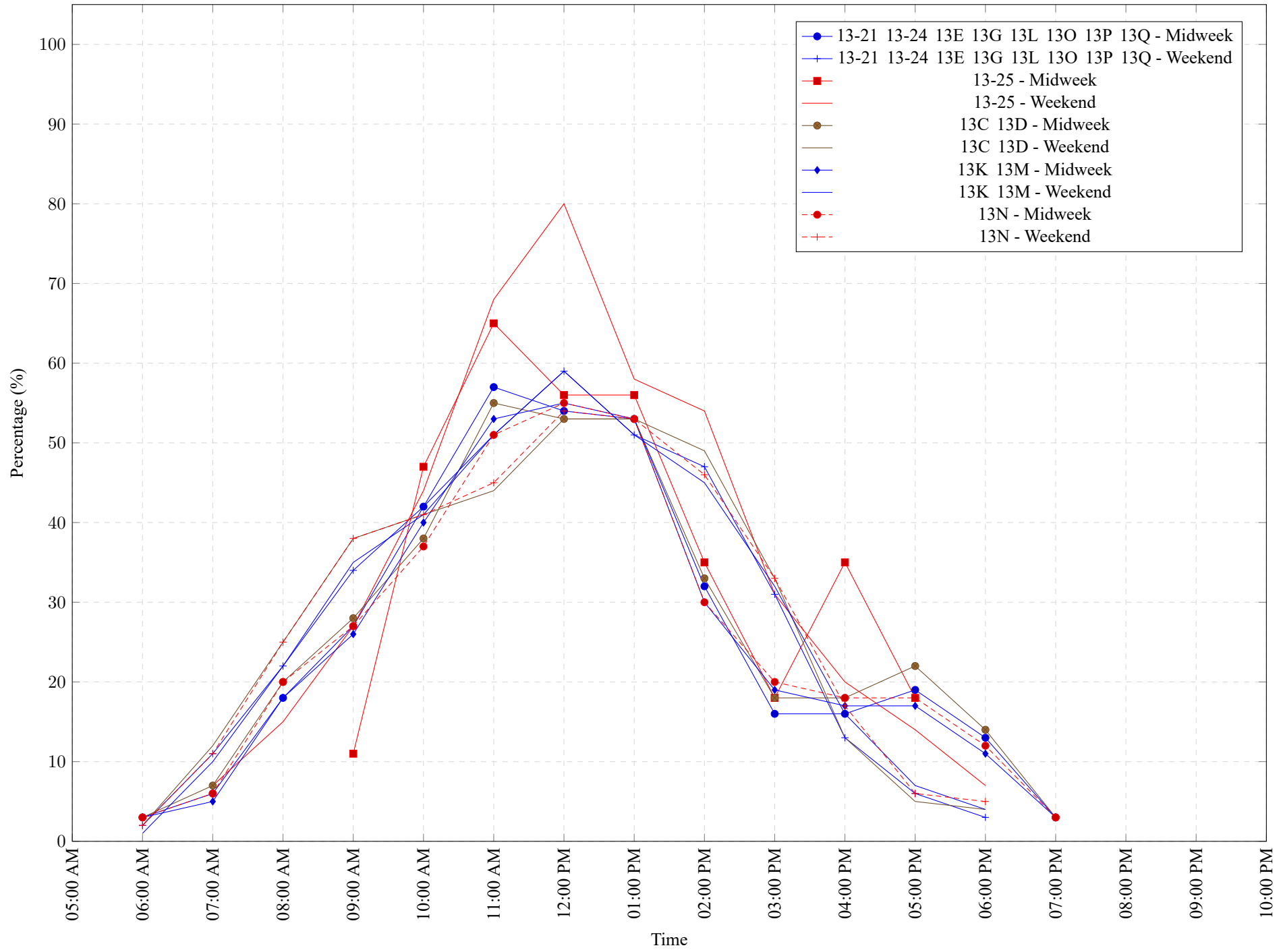


Table 7: Proportion of each day's fishing by hour.

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
13-21	13-24	13E	13G	13L	13O	13P	13Q	Midweek	3%	6%	18%	27%	42%	57%	54%	53%	32%	16%	16%	19%	13%	3%	0%	0%	0%
13-21	13-24	13E	13G	13L	13O	13P	13Q	Weekend	2%	11%	22%	34%	42%	51%	59%	51%	47%	31%	13%	6%	3%	0%	0%	0%	0%
13-25								Midweek	0%	0%	0%	11%	47%	65%	56%	56%	35%	18%	35%	18%	0%	0%	0%	0%	0%
13-25								Weekend	0%	7%	15%	27%	44%	68%	80%	58%	54%	31%	20%	14%	7%	0%	0%	0%	0%
13C 13D								Midweek	3%	7%	20%	28%	38%	55%	53%	53%	33%	18%	18%	22%	14%	3%	0%	0%	0%
13C 13D								Weekend	2%	12%	25%	38%	41%	44%	53%	53%	49%	33%	13%	5%	4%	0%	0%	0%	0%
13K 13M								Midweek	3%	5%	18%	26%	40%	53%	55%	53%	30%	19%	17%	17%	11%	3%	0%	0%	0%
13K 13M								Weekend	1%	10%	22%	35%	41%	51%	59%	51%	45%	32%	16%	7%	4%	0%	0%	0%	0%
13N								Midweek	3%	6%	20%	27%	37%	51%	55%	53%	30%	20%	18%	18%	12%	3%	0%	0%	0%
13N								Weekend	2%	11%	25%	38%	41%	45%	54%	53%	46%	33%	17%	6%	5%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Brown's Bay	Discovery Marina South	Pacific Play
28 Apr 2021	Midweek				
29 Apr 2021	Midweek				
30 Apr 2021	Midweek				
01 May 2021	Weekend	calm/rippled			
02 May 2021	Weekend				
03 May 2021	Midweek				
04 May 2021	Midweek	calm/rippled			
05 May 2021	Midweek	calm/rippled			
06 May 2021	Midweek				
07 May 2021	Midweek				
08 May 2021	Weekend	calm/rippled			
09 May 2021	Weekend		calm/rippled		
10 May 2021	Midweek				
11 May 2021	Midweek				
12 May 2021	Midweek				calm/rippled
13 May 2021	Midweek		choppy		
14 May 2021	Midweek				
15 May 2021	Weekend		choppy		
16 May 2021	Weekend	calm/rippled	choppy	choppy	
17 May 2021	Midweek				
18 May 2021	Midweek			choppy	
19 May 2021	Midweek	choppy			
20 May 2021	Midweek	calm/rippled			
21 May 2021	Midweek				calm/rippled
22 May 2021	Weekend			choppy	
23 May 2021	Weekend	choppy		calm/rippled	
24 May 2021	Weekend				
25 May 2021	Midweek		calm/rippled		
26 May 2021	Midweek				
27 May 2021	Midweek				
28 May 2021	Midweek	calm/rippled			
29 May 2021	Weekend			choppy	
30 May 2021	Weekend				
31 May 2021	Midweek			calm/rippled	
01 Jun 2021	Midweek			calm/rippled	
02 Jun 2021	Midweek				
03 Jun 2021	Midweek	calm/rippled			