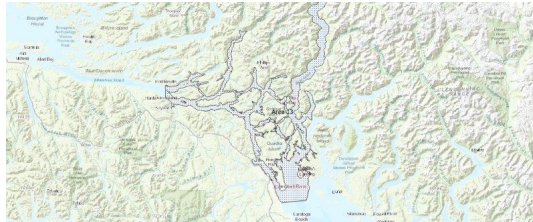


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 April 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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		Discovery Marina South	
		AM	PM	AM	PM
29 Mar 2022	Midweek				
30 Mar 2022	Midweek				
31 Mar 2022	Midweek				
01 Apr 2022	Midweek				
02 Apr 2022	Weekend				
03 Apr 2022	Weekend				
04 Apr 2022	Midweek				
05 Apr 2022	Midweek		4		
06 Apr 2022	Midweek				
07 Apr 2022	Midweek				
08 Apr 2022	Midweek				
09 Apr 2022	Weekend				
10 Apr 2022	Weekend				
11 Apr 2022	Midweek				
12 Apr 2022	Midweek				
13 Apr 2022	Midweek	1			
14 Apr 2022	Midweek				
15 Apr 2022	Weekend				
16 Apr 2022	Weekend			2	
17 Apr 2022	Weekend	2			
18 Apr 2022	Midweek				
19 Apr 2022	Midweek				
20 Apr 2022	Midweek				
21 Apr 2022	Midweek				1
22 Apr 2022	Midweek				
23 Apr 2022	Weekend				
24 Apr 2022	Weekend				
25 Apr 2022	Midweek		1		1
26 Apr 2022	Midweek				
27 Apr 2022	Midweek		8		
28 Apr 2022	Midweek				
29 Apr 2022	Midweek				
30 Apr 2022	Weekend		5		
01 May 2022	Weekend	9			
02 May 2022	Midweek			2	
03 May 2022	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-Mar-2022	Tuesday		1	3						
30-Mar-2022	Wednesday		1	4						
31-Mar-2022	Thursday		0							
01-Apr-2022	Friday		0					0	1158	0
02-Apr-2022	Saturday		0					4	1201	8
03-Apr-2022	Sunday		0							
04-Apr-2022	Monday		0							
05-Apr-2022	Tuesday	calm/rippled	4					3	1203	3
06-Apr-2022	Wednesday		0							
07-Apr-2022	Thursday		2							
08-Apr-2022	Friday		2							
09-Apr-2022	Saturday		0					1	1226	4
10-Apr-2022	Sunday		1	3						
11-Apr-2022	Monday		1	4						
12-Apr-2022	Tuesday		0							
13-Apr-2022	Wednesday	calm/rippled	1							
14-Apr-2022	Thursday		0					8	1208	11
15-Apr-2022	Friday (Good Friday)		0					9	1143	20
16-Apr-2022	Saturday	calm/rippled	2							
17-Apr-2022	Sunday	choppy	2							
18-Apr-2022	Monday		0							
19-Apr-2022	Tuesday		0							
20-Apr-2022	Wednesday		1	3						
21-Apr-2022	Thursday	calm/rippled	2	3						
22-Apr-2022	Friday		1	3						
23-Apr-2022	Saturday		1							
24-Apr-2022	Sunday		1	3						
25-Apr-2022	Monday	choppy	2							
26-Apr-2022	Tuesday		0							
27-Apr-2022	Wednesday	calm/rippled	8					12	1138	16
28-Apr-2022	Thursday		1	1						
29-Apr-2022	Friday		0							
30-Apr-2022	Saturday	calm/rippled	9	5						
01-May-2022	Sunday	choppy	9							
02-May-2022	Monday	choppy	3					5	1140	6
03-May-2022	Tuesday		4							
	Totals	calm/rippled	25	14				6*		8*
	Totals	calm/rippled	16	11				5*		11*

* 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	8	20	160	0.56				90			
Weekend	11	10	110	0.688				76			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2022	April	267	25			0

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	7	28%	129%	11	35%	82%	9

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	41	6%
iRec Anglers	410	17%

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

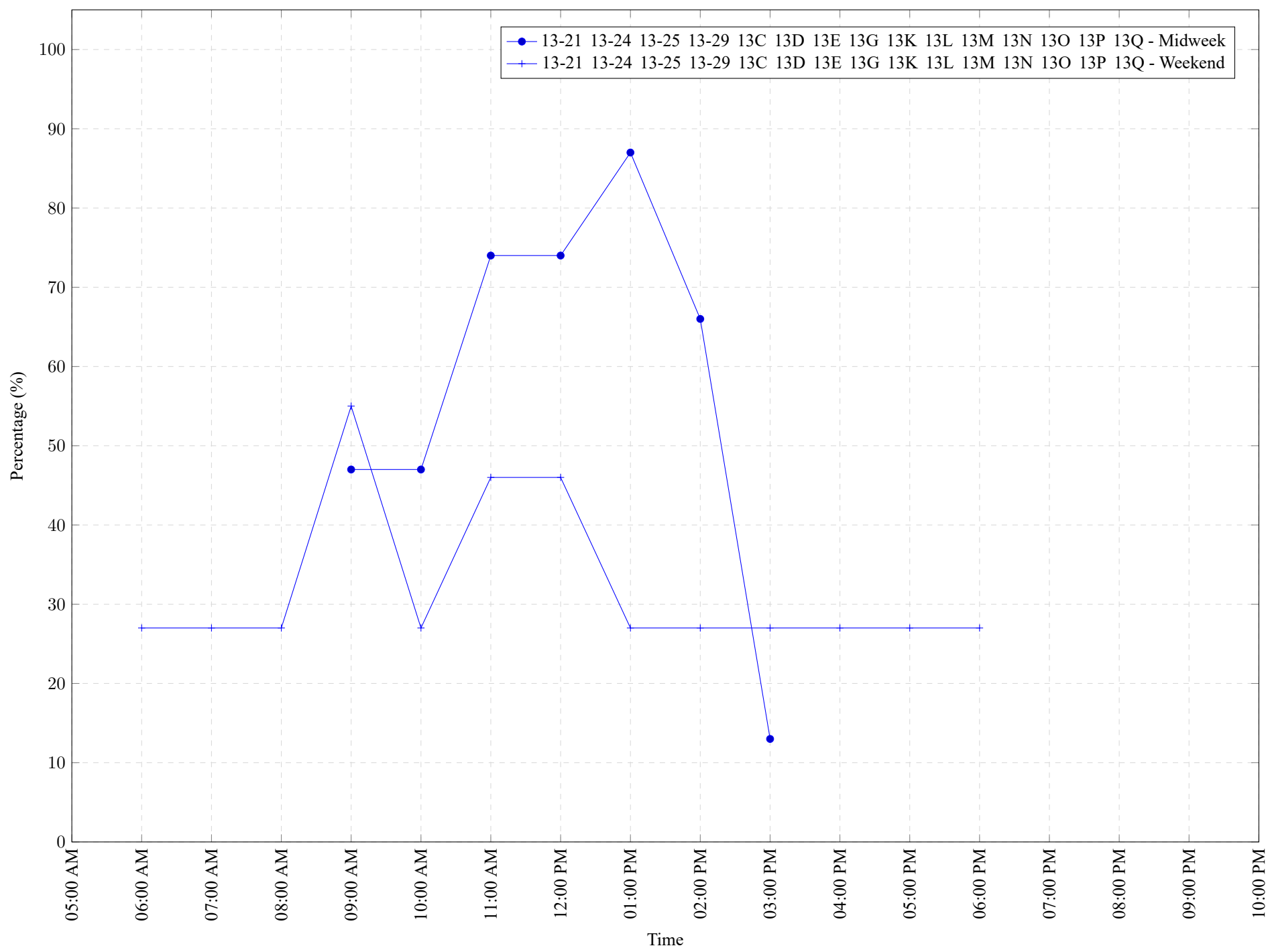


Table 7: Proportion of each day's fishing by hour.

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
13-21	13-24	13-25	13-29	13C	13D	13E	13G	13K	13L	13M	13N	13O	13P	13Q	Midweek	0%	0%	0%	47%	47%	74%	74%	87%	66%	13%	0%	0%	0%	0%	0%	0%
13-21	13-24	13-25	13-29	13C	13D	13E	13G	13K	13L	13M	13N	13O	13P	13Q	Weekend	27%	27%	27%	55%	27%	46%	46%	27%	27%	27%	27%	27%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Discovery Marina South
29 Mar 2022	Midweek		
30 Mar 2022	Midweek		
31 Mar 2022	Midweek		
01 Apr 2022	Midweek		
02 Apr 2022	Weekend		
03 Apr 2022	Weekend		
04 Apr 2022	Midweek		
05 Apr 2022	Midweek	calm/rippled	
06 Apr 2022	Midweek		
07 Apr 2022	Midweek		
08 Apr 2022	Midweek		
09 Apr 2022	Weekend		
10 Apr 2022	Weekend		
11 Apr 2022	Midweek		
12 Apr 2022	Midweek		
13 Apr 2022	Midweek	calm/rippled	
14 Apr 2022	Midweek		
15 Apr 2022	Weekend		
16 Apr 2022	Weekend		calm/rippled
17 Apr 2022	Weekend	choppy	
18 Apr 2022	Midweek		
19 Apr 2022	Midweek		
20 Apr 2022	Midweek		
21 Apr 2022	Midweek		calm/rippled
22 Apr 2022	Midweek		
23 Apr 2022	Weekend		
24 Apr 2022	Weekend		
25 Apr 2022	Midweek	frequent whitecaps	calm/rippled
26 Apr 2022	Midweek		
27 Apr 2022	Midweek	calm/rippled	
28 Apr 2022	Midweek		
29 Apr 2022	Midweek		
30 Apr 2022	Weekend	calm/rippled	
01 May 2022	Weekend	choppy	
02 May 2022	Midweek		choppy
03 May 2022	Midweek		