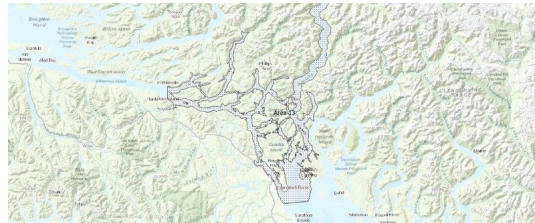


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 June 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 10th February, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada



Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		Big Rock Boat Rental		Brown's Bay		Discovery Marina South		Kitty Coleman	Pacific Play		
Date	Day Type	AM	PM	AM	PM	AM	PM	AM	AM	PM	
29 May 2023	Midweek										
30 May 2023	Midweek										
31 May 2023	Midweek	1									
01 Jun 2023	Midweek	3									
02 Jun 2023	Midweek										
03 Jun 2023	Weekend	7								1	
04 Jun 2023	Weekend	1									
05 Jun 2023	Midweek	1									
06 Jun 2023	Midweek										
07 Jun 2023	Midweek	3									
08 Jun 2023	Midweek										
09 Jun 2023	Midweek	1									
10 Jun 2023	Weekend	6									1
11 Jun 2023	Weekend	3									
12 Jun 2023	Midweek										
13 Jun 2023	Midweek										
14 Jun 2023	Midweek										
15 Jun 2023	Midweek	9									
16 Jun 2023	Midweek	1									
17 Jun 2023	Weekend	12		1							
18 Jun 2023	Weekend										
19 Jun 2023	Midweek	3									
20 Jun 2023	Midweek										
21 Jun 2023	Midweek										
22 Jun 2023	Midweek	6								1	
23 Jun 2023	Midweek	14									
24 Jun 2023	Weekend	1								3	
25 Jun 2023	Weekend	10									
26 Jun 2023	Midweek	13		1	12						
27 Jun 2023	Midweek										
28 Jun 2023	Midweek										
29 Jun 2023	Midweek	5									
30 Jun 2023	Midweek	7									
01 Jul 2023	Weekend	8								2	
02 Jul 2023	Weekend										
03 Jul 2023	Weekend	3	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
29-May-2023	Monday		2	2						
30-May-2023	Tuesday		2							
31-May-2023	Wednesday	calm/rippled	9	4						
01-Jun-2023	Thursday	calm/rippled	11	9						
02-Jun-2023	Friday		4	3						
03-Jun-2023	Saturday	calm/rippled	14	2				19	1027	39
04-Jun-2023	Sunday	choppy	6	7						
05-Jun-2023	Monday	calm/rippled	3	2				28	0948	116
06-Jun-2023	Tuesday		1	2						
07-Jun-2023	Wednesday	choppy	22	25						
08-Jun-2023	Thursday		15	30				23	1006	49
09-Jun-2023	Friday	calm/rippled	5	5						
10-Jun-2023	Saturday	calm/rippled	17	21						
11-Jun-2023	Sunday	calm/rippled	5	4				21	1003	52
12-Jun-2023	Monday		6	11						
13-Jun-2023	Tuesday		5	9						
14-Jun-2023	Wednesday		14	27						
15-Jun-2023	Thursday	calm/rippled	23	34	1			57	1024	116
16-Jun-2023	Friday	calm/rippled	22	18						
17-Jun-2023	Saturday	calm/rippled	33	15				51	1030	107
18-Jun-2023	Sunday		13	12						
19-Jun-2023	Monday	calm/rippled	14	9						
20-Jun-2023	Tuesday		13	13						
21-Jun-2023	Wednesday		13	5						
22-Jun-2023	Thursday	calm/rippled	22	19	9					
23-Jun-2023	Friday	calm/rippled	28	7	11					
24-Jun-2023	Saturday	choppy	16	11	4			54	1016	143
25-Jun-2023	Sunday	calm/rippled	20	5	7					
26-Jun-2023	Monday	calm/rippled	37	17	31					
27-Jun-2023	Tuesday		21	21	3					
28-Jun-2023	Wednesday		10	5	3					
29-Jun-2023	Thursday	calm/rippled	18	5	19			49	1039	100
30-Jun-2023	Friday	choppy	30	38	23					
01-Jul-2023	Saturday	calm/rippled	27	5	16			66	1055	123
02-Jul-2023	Sunday		7	8				31	1100	60
03-Jul-2023	Monday (Canada Day)	calm/rippled	22	5	24					
	Totals	calm/rippled	337	314	100			39*		95*
	Totals	calm/rippled	124	77	11			36*		85*

* 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	95	22	2090	0.932	0.297			1948	621		
Weekend	85	8	680	0.621	0.089			422	61		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	June	5673	6116	3299		1
2019	June	1969	3	60		0
2020	June	952	30	20		
2021	June	2370	507	0		15
2022	June	1060	434	0		7
2023	June	2242	1749	1077		0
5-Yr Avg	June	2405	1418	676		6

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	1075	100%	8%	542	97%	16%	89
Chinook	308	18%	15%	69	20%	67%	46

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	456	25%
iRec Anglers	3244	19%

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

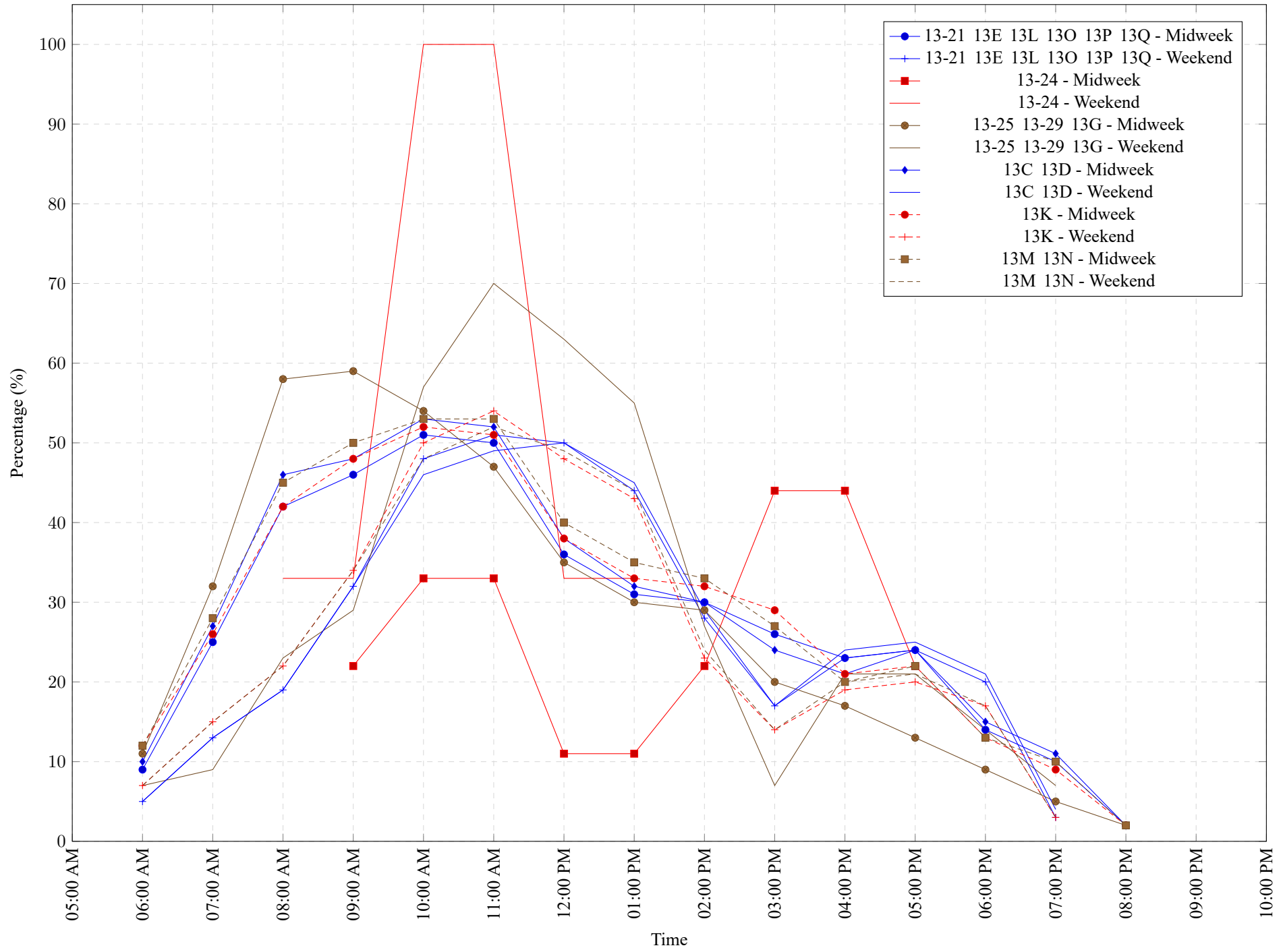


Table 7: Proportion of each day's fishing by hour.

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	13E	13L	13O	13P	13Q		Midweek	9%	25%	42%	46%	51%	50%	36%	31%	30%	26%	23%	24%	14%	10%	2%	0%	0%
13-21	13E	13L	13O	13P	13Q		Weekend	5%	13%	19%	32%	48%	51%	50%	44%	28%	17%	23%	24%	20%	3%	0%	0%	0%
13-24							Midweek	0%	0%	0%	22%	33%	33%	11%	11%	22%	44%	44%	22%	0%	0%	0%	0%	0%
13-24							Weekend	0%	0%	33%	33%	100%	100%	33%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%
13-25	13-29	13G					Midweek	11%	32%	58%	59%	54%	47%	35%	30%	29%	20%	17%	13%	9%	5%	2%	0%	0%
13-25	13-29	13G					Weekend	7%	9%	23%	29%	57%	70%	63%	55%	27%	7%	21%	21%	14%	7%	0%	0%	0%
13C	13D						Midweek	10%	27%	46%	48%	53%	52%	38%	32%	30%	24%	21%	24%	15%	11%	2%	0%	0%
13C	13D						Weekend	5%	13%	19%	32%	46%	49%	50%	45%	29%	17%	24%	25%	21%	4%	0%	0%	0%
13K							Midweek	12%	26%	42%	48%	52%	51%	38%	33%	32%	29%	21%	22%	13%	9%	2%	0%	0%
13K							Weekend	7%	15%	22%	34%	50%	54%	48%	43%	23%	14%	19%	20%	17%	3%	0%	0%	0%
13M	13N						Midweek	12%	28%	45%	50%	53%	53%	40%	35%	33%	27%	20%	22%	13%	10%	2%	0%	0%
13M	13N						Weekend	7%	15%	22%	34%	48%	52%	49%	44%	24%	14%	20%	21%	17%	3%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Brown's Bay	Discovery Marina South	Kitty Coleman	Pacific Play
29 May 2023	Midweek					
30 May 2023	Midweek					
31 May 2023	Midweek			calm/rippled		
01 Jun 2023	Midweek		calm/rippled			
02 Jun 2023	Midweek					
03 Jun 2023	Weekend			calm/rippled		choppy
04 Jun 2023	Weekend	choppy				
05 Jun 2023	Midweek			calm/rippled		
06 Jun 2023	Midweek					
07 Jun 2023	Midweek			choppy		
08 Jun 2023	Midweek					
09 Jun 2023	Midweek		calm/rippled			
10 Jun 2023	Weekend	calm/rippled				calm/rippled
11 Jun 2023	Weekend			calm/rippled		
12 Jun 2023	Midweek					
13 Jun 2023	Midweek					
14 Jun 2023	Midweek					
15 Jun 2023	Midweek	calm/rippled				
16 Jun 2023	Midweek		calm/rippled			
17 Jun 2023	Weekend	calm/rippled	choppy			
18 Jun 2023	Weekend					
19 Jun 2023	Midweek	calm/rippled				
20 Jun 2023	Midweek					
21 Jun 2023	Midweek					
22 Jun 2023	Midweek			calm/rippled		calm/rippled
23 Jun 2023	Midweek	calm/rippled				
24 Jun 2023	Weekend				choppy	choppy
25 Jun 2023	Weekend			calm/rippled		
26 Jun 2023	Midweek	calm/rippled	frequent whitecaps	calm/rippled		
27 Jun 2023	Midweek					
28 Jun 2023	Midweek					
29 Jun 2023	Midweek			calm/rippled		
30 Jun 2023	Midweek	choppy				
01 Jul 2023	Weekend			calm/rippled		calm/rippled
02 Jul 2023	Weekend					
03 Jul 2023	Weekend	choppy		calm/rippled		