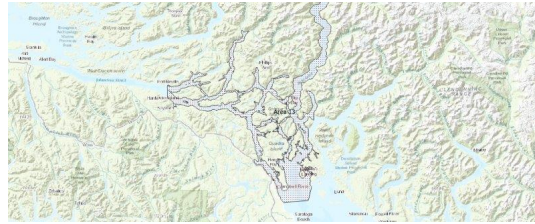


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 September 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.

Date	Day Type	Big Rock Boat Rental		Brown's Bay		Discovery Marina South		Pacific Play	
		AM	PM	AM	PM	AM	PM	AM	PM
29 Aug 2023	Midweek								4
30 Aug 2023	Midweek				11				
31 Aug 2023	Midweek		25						
01 Sep 2023	Midweek								
02 Sep 2023	Weekend							4	
03 Sep 2023	Weekend								
04 Sep 2023	Weekend		32				15		
05 Sep 2023	Midweek								
06 Sep 2023	Midweek								
07 Sep 2023	Midweek		25						
08 Sep 2023	Midweek						16		
09 Sep 2023	Weekend				17				9
10 Sep 2023	Weekend						9	1	
11 Sep 2023	Midweek				6				
12 Sep 2023	Midweek								
13 Sep 2023	Midweek								
14 Sep 2023	Midweek	14		7					
15 Sep 2023	Midweek					9			
16 Sep 2023	Weekend	17				17			
17 Sep 2023	Weekend				3				
18 Sep 2023	Midweek				4			2	
19 Sep 2023	Midweek			2					
20 Sep 2023	Midweek					6			
21 Sep 2023	Midweek								
22 Sep 2023	Midweek								
23 Sep 2023	Weekend			2					
24 Sep 2023	Weekend								
25 Sep 2023	Midweek								
26 Sep 2023	Midweek								
27 Sep 2023	Midweek						1		
28 Sep 2023	Midweek								
29 Sep 2023	Midweek								
30 Sep 2023	Weekend								
01 Oct 2023	Weekend						9		
02 Oct 2023	Midweek						1		
03 Oct 2023	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-Aug-2023	Tuesday	calm/rippled	13	6	16					
30-Aug-2023	Wednesday	calm/rippled	16	17	4			65	0904	199
31-Aug-2023	Thursday	calm/rippled	28	7	20					
01-Sep-2023	Friday		10	12	16			82	1022	158
02-Sep-2023	Saturday	choppy	18	18	15					
03-Sep-2023	Sunday		14	22	10		1			
04-Sep-2023	Monday (Labour Day)	choppy	53	54	88			138	1008	266
05-Sep-2023	Tuesday		5	4	6					
06-Sep-2023	Wednesday		7	13	8					
07-Sep-2023	Thursday	calm/rippled	29	22	62			72	1018	140
08-Sep-2023	Friday	calm/rippled	29	32	58					
09-Sep-2023	Saturday	calm/rippled	43	35	77			150	1032	272
10-Sep-2023	Sunday	choppy	20	22	33					
11-Sep-2023	Monday	calm/rippled	23	4	21					
12-Sep-2023	Tuesday		16	13	11					
13-Sep-2023	Wednesday		13	11	15					
14-Sep-2023	Thursday	calm/rippled	28	20	30					
15-Sep-2023	Friday	calm/rippled	13	12	20			49	1035	90
16-Sep-2023	Saturday	calm/rippled	43	43	70			83	1035	155
17-Sep-2023	Sunday	choppy	8	5	11					
18-Sep-2023	Monday	choppy	8	1	9					
19-Sep-2023	Tuesday	calm/rippled	5							
20-Sep-2023	Wednesday	calm/rippled	7	18	23					
21-Sep-2023	Thursday		2	1	7					
22-Sep-2023	Friday		4	7	15					
23-Sep-2023	Saturday	calm/rippled	5		3					
24-Sep-2023	Sunday		1		2			14	1030	26
25-Sep-2023	Monday		0							
26-Sep-2023	Tuesday		1		1					
27-Sep-2023	Wednesday	calm/rippled	1							
28-Sep-2023	Thursday		2	2	2			14	1028	26
29-Sep-2023	Friday		3	1	2					
30-Sep-2023	Saturday		2							
01-Oct-2023	Sunday	choppy	9	17	1			33	1047	63
02-Oct-2023	Monday	calm/rippled	1							
03-Oct-2023	Tuesday		0							
	Totals	calm/rippled	206	173	306			54*		104*
	Totals	choppy	207	199	309		1	96*		180*

* 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	180	10	1800	0.961	1.493		0.005	1730	2687		9
Midweek	104	20	2080	0.84	1.485			1747	3089		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	September	3288	1190	137	252	
2019	September	2845	2476	128		0
2020	September	2797	1801	306	0	0
2021	September	3650	1941	676		0
2022	September	4465	3769	2952	19	0
2023	September	3706	3324	5923		0
5-Yr Avg	September	3409	2235	840	90	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
Coho	1886	32%	5%	1771	49%	6%	103
Chinook	257	8%	26%	561	19%	12%	66

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	401	20%
iRec Anglers	6800	30%

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

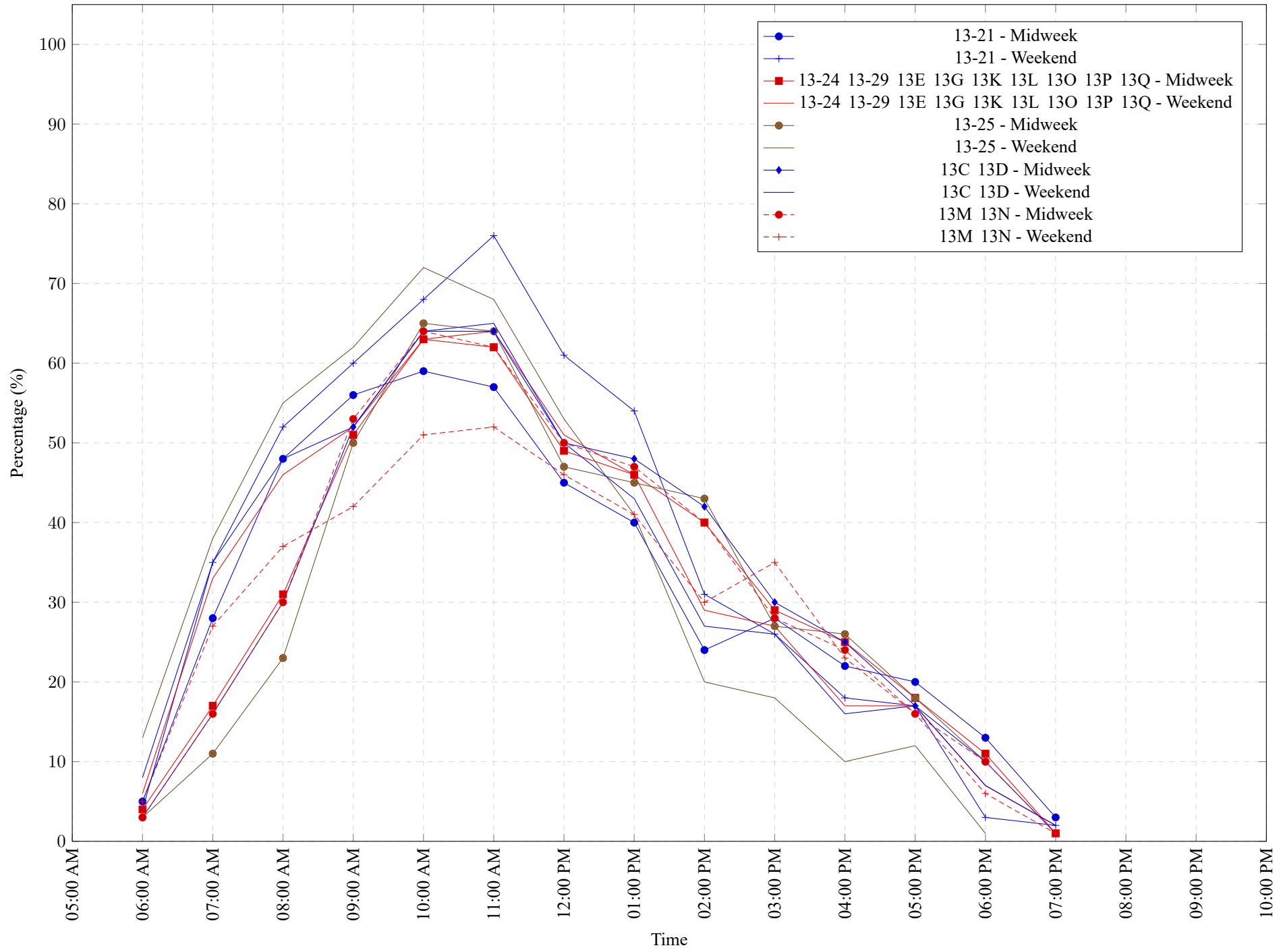


Table 7: Proportion of each day's fishing by hour.

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		Midweek	5%	28%	48%	56%	59%	57%	45%	40%	24%	28%	22%	20%	13%	3%	0%	0%	0%
13-21		Weekend	4%	35%	52%	60%	68%	76%	61%	54%	31%	26%	18%	17%	3%	2%	0%	0%	0%
13-24	13-29	13E 13G 13K 13L 13O 13P 13Q	Midweek	4%	17%	31%	51%	63%	62%	49%	46%	40%	29%	25%	18%	11%	1%	0%	0%
13-24	13-29	13E 13G 13K 13L 13O 13P 13Q	Weekend	6%	33%	46%	52%	63%	64%	51%	46%	29%	27%	17%	7%	2%	0%	0%	0%
13-25		Midweek	3%	11%	23%	50%	65%	64%	47%	45%	43%	27%	26%	18%	10%	0%	0%	0%	0%
13-25		Weekend	13%	38%	55%	62%	72%	68%	53%	41%	20%	18%	10%	12%	1%	0%	0%	0%	0%
13C 13D		Midweek	3%	16%	30%	52%	64%	64%	50%	48%	42%	30%	25%	17%	10%	1%	0%	0%	0%
13C 13D		Weekend	8%	35%	48%	52%	64%	65%	50%	43%	27%	26%	16%	17%	7%	2%	0%	0%	0%
13M 13N		Midweek	3%	16%	30%	53%	64%	62%	50%	47%	40%	28%	24%	16%	10%	1%	0%	0%	0%
13M 13N		Weekend	5%	27%	37%	42%	51%	52%	46%	41%	30%	35%	23%	16%	6%	1%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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