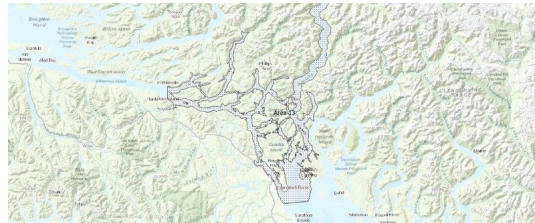


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 June 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		Brown's Bay		Discovery Marina South		Lund	Pacific Play		Westview
		AM	PM	AM	PM	AM	PM	AM	AM	PM	PM
29 May 2022	Weekend			1							
30 May 2022	Midweek										
31 May 2022	Midweek	3									
01 Jun 2022	Midweek										
02 Jun 2022	Midweek										
03 Jun 2022	Midweek						1				
04 Jun 2022	Weekend			1							
05 Jun 2022	Weekend					1					
06 Jun 2022	Midweek					4					
07 Jun 2022	Midweek	9					5	1			
08 Jun 2022	Midweek			2							
09 Jun 2022	Midweek										
10 Jun 2022	Midweek										
11 Jun 2022	Weekend	4							1		
12 Jun 2022	Weekend						7				
13 Jun 2022	Midweek			2							
14 Jun 2022	Midweek	4									
15 Jun 2022	Midweek					1					
16 Jun 2022	Midweek		7								
17 Jun 2022	Midweek										
18 Jun 2022	Weekend										
19 Jun 2022	Weekend	20								7	
20 Jun 2022	Midweek										
21 Jun 2022	Midweek					1					
22 Jun 2022	Midweek		2								
23 Jun 2022	Midweek						4				
24 Jun 2022	Midweek									5	
25 Jun 2022	Weekend				6		7			5	
26 Jun 2022	Weekend		14			6					
27 Jun 2022	Midweek		15		3						
28 Jun 2022	Midweek										
29 Jun 2022	Midweek										
30 Jun 2022	Midweek	5									
01 Jul 2022	Weekend				11						1
02 Jul 2022	Weekend	5					5				
03 Jul 2022	Weekend				2						

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-2022	Sunday	calm/rippled	1							
30-May-2022	Monday		2	1						
31-May-2022	Tuesday	calm/rippled	8	1						
01-Jun-2022	Wednesday		3	3				6	1143	12
02-Jun-2022	Thursday		4							
03-Jun-2022	Friday	choppy	3							
04-Jun-2022	Saturday	calm/rippled	6					4	1114	9
05-Jun-2022	Sunday	frequent whitecaps	5	1						
06-Jun-2022	Monday	calm/rippled	4							
07-Jun-2022	Tuesday	calm/rippled	18	4						
08-Jun-2022	Wednesday	choppy	10	5						
09-Jun-2022	Thursday		6	3						
10-Jun-2022	Friday		4					11	1135	23
11-Jun-2022	Saturday	choppy	7				1	18	1121	40
12-Jun-2022	Sunday	choppy	12	4						
13-Jun-2022	Monday	calm/rippled	8	4						
14-Jun-2022	Tuesday	calm/rippled	10	5						
15-Jun-2022	Wednesday	calm/rippled	8	1						
16-Jun-2022	Thursday	calm/rippled	19	7						
17-Jun-2022	Friday		13	8				7	1137	15
18-Jun-2022	Saturday		15	8						
19-Jun-2022	Sunday	calm/rippled	31	4				34	1127	80
20-Jun-2022	Monday		8	4						
21-Jun-2022	Tuesday	choppy	8	7						
22-Jun-2022	Wednesday	frequent whitecaps	15	12						
23-Jun-2022	Thursday	calm/rippled	17	6						
24-Jun-2022	Friday	calm/rippled	18	14				16	1132	33
25-Jun-2022	Saturday	calm/rippled	34	25				41	1135	99
26-Jun-2022	Sunday	calm/rippled	27	2						
27-Jun-2022	Monday	calm/rippled	31	8						
28-Jun-2022	Tuesday		9	6						
29-Jun-2022	Wednesday		16	7						
30-Jun-2022	Thursday	calm/rippled	14	3						
01-Jul-2022	Friday (Canada Day)	calm/rippled	25	7						
02-Jul-2022	Saturday	calm/rippled	21	13				51	1043	109
03-Jul-2022	Sunday	calm/rippled	14	2			1			
	Totals	calm/rippled	246	107				10*		21*
	Totals	choppy	137	44			1	24*		57*

* 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	57	8	456	0.321			0.007	146			3
Midweek	21	22	462	0.435				201			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	June	4970	4876	2		108
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
5-Yr Avg	June	3187	2306	676		31

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	34	8%	79%	64	25%	42%	27

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	381	29%
iRec Anglers	2535	30%

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

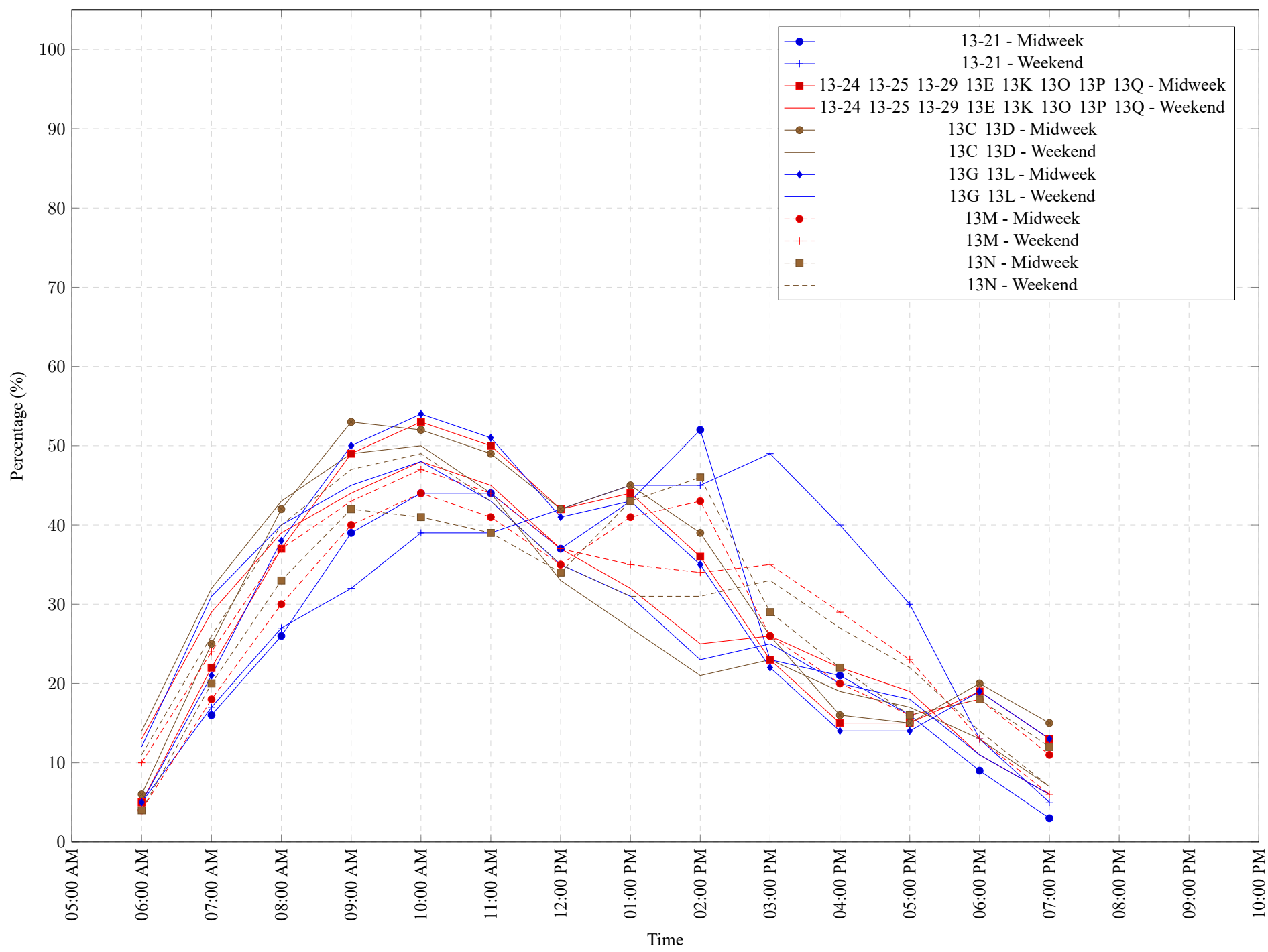


Table 7: Proportion of each day's fishing by hour.

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	0%	16%	26%	39%	44%	44%	37%	43%	52%	23%	21%	16%	9%	3%	0%	0%	0%
13-21		Weekend	5%	17%	27%	32%	39%	39%	42%	45%	45%	49%	40%	30%	13%	5%	0%	0%	0%
13-24 13-25 13-29 13E 13K 13O 13P 13Q		Midweek	5%	22%	37%	49%	53%	50%	42%	44%	36%	23%	15%	15%	19%	13%	0%	0%	0%
13-24 13-25 13-29 13E 13K 13O 13P 13Q		Weekend	13%	29%	39%	44%	48%	45%	37%	32%	25%	26%	22%	19%	11%	6%	0%	0%	0%
13C 13D		Midweek	6%	25%	42%	53%	52%	49%	42%	45%	39%	26%	16%	15%	20%	15%	0%	0%	0%
13C 13D		Weekend	14%	32%	43%	49%	50%	44%	33%	27%	21%	23%	19%	17%	13%	7%	0%	0%	0%
13G 13L		Midweek	5%	21%	38%	50%	54%	51%	41%	43%	35%	22%	14%	14%	19%	13%	0%	0%	0%
13G 13L		Weekend	12%	31%	40%	45%	48%	43%	35%	31%	23%	25%	20%	18%	11%	6%	0%	0%	0%
13M		Midweek	4%	18%	30%	40%	44%	41%	35%	41%	43%	26%	20%	16%	18%	11%	0%	0%	0%
13M		Weekend	10%	24%	37%	43%	47%	44%	37%	35%	34%	35%	29%	23%	13%	6%	0%	0%	0%
13N		Midweek	4%	20%	33%	42%	41%	39%	34%	43%	46%	29%	22%	16%	18%	12%	0%	0%	0%
13N		Weekend	11%	26%	40%	47%	49%	43%	35%	31%	31%	33%	27%	22%	14%	7%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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