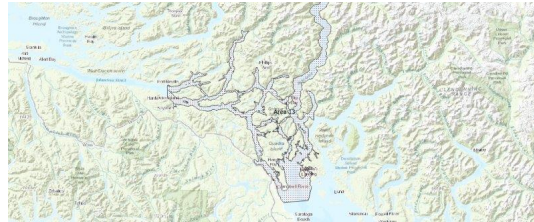


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 September 2022



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

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Canada

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

Date	Day Type	Big Rock	Big Rock Boat Rental		Brown's Bay		Discovery Marina South		Pacific Play	
		AM	AM	PM	AM	PM	AM	PM	AM	PM
29 Aug 2022	Midweek									
30 Aug 2022	Midweek					15				
31 Aug 2022	Midweek									
01 Sep 2022	Midweek			16						
02 Sep 2022	Midweek								4	
03 Sep 2022	Weekend							9		
04 Sep 2022	Weekend									
05 Sep 2022	Weekend							9		
06 Sep 2022	Midweek				7					
07 Sep 2022	Midweek					3				
08 Sep 2022	Midweek									
09 Sep 2022	Midweek									
10 Sep 2022	Weekend		16		8					8
11 Sep 2022	Weekend					14	12			
12 Sep 2022	Midweek					12		10		
13 Sep 2022	Midweek			19						
14 Sep 2022	Midweek						10			
15 Sep 2022	Midweek									
16 Sep 2022	Midweek		10		3					
17 Sep 2022	Weekend			23						
18 Sep 2022	Weekend					7	5			2
19 Sep 2022	Midweek						3			2
20 Sep 2022	Midweek							12		
21 Sep 2022	Midweek				5					
22 Sep 2022	Midweek									1
23 Sep 2022	Midweek					4				
24 Sep 2022	Weekend			21	2					
25 Sep 2022	Weekend								1	
26 Sep 2022	Midweek	6					3			
27 Sep 2022	Midweek									
28 Sep 2022	Midweek									
29 Sep 2022	Midweek									
30 Sep 2022	Midweek									
01 Oct 2022	Weekend						5			
02 Oct 2022	Weekend					7				
03 Oct 2022	Midweek			16						

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-2022	Monday		9	5	2			102	0957	212
30-Aug-2022	Tuesday	calm/rippled	23	11	4	1				
31-Aug-2022	Wednesday		13	10						
01-Sep-2022	Thursday	calm/rippled	32	43	21			122	1005	253
02-Sep-2022	Friday	calm/rippled	17	14	16					
03-Sep-2022	Saturday	frequent whitecaps	26	37	34			137	0941	310
04-Sep-2022	Sunday		9	6	9					
05-Sep-2022	Monday (Labour Day)	calm/rippled	23	29	19					
06-Sep-2022	Tuesday	calm/rippled	16	12	30					
07-Sep-2022	Wednesday	frequent whitecaps	11	3	11			46	1025	89
08-Sep-2022	Thursday		7	8	8					
09-Sep-2022	Friday		13	2	23					
10-Sep-2022	Saturday	calm/rippled	51	32	32			93	0932	217
11-Sep-2022	Sunday	calm/rippled	39	20	40					
12-Sep-2022	Monday	calm/rippled	30	33	36					
13-Sep-2022	Tuesday	calm/rippled	30	15	25					
14-Sep-2022	Wednesday	choppy	19	17	10					
15-Sep-2022	Thursday		3		6			35	0943	92
16-Sep-2022	Friday	choppy	15	5	8					
17-Sep-2022	Saturday	calm/rippled	29	10	9					
18-Sep-2022	Sunday	choppy	18	9	15	1		47	0957	97
19-Sep-2022	Monday	calm/rippled	8	14	6					
20-Sep-2022	Tuesday	calm/rippled	13	16	6					
21-Sep-2022	Wednesday	calm/rippled	9	4	6			35	0953	73
22-Sep-2022	Thursday	frequent whitecaps	1	3	1					
23-Sep-2022	Friday	calm/rippled	6		5					
24-Sep-2022	Saturday	choppy	24	25	6			124	1051	203
25-Sep-2022	Sunday	choppy	3	1						
26-Sep-2022	Monday	calm/rippled	9	6	1					
27-Sep-2022	Tuesday		3	4	2					
28-Sep-2022	Wednesday		0							
29-Sep-2022	Thursday		1							
30-Sep-2022	Friday		2		2					
01-Oct-2022	Saturday	calm/rippled	5	5						
02-Oct-2022	Sunday	calm/rippled	7	1	1			44	1110	87
03-Oct-2022	Monday	calm/rippled	16	1	1	1				
	Totals	calm/rippled	245	199	223			60*		127*
	Totals	choppy	222	169	164	1		100*		207*

* 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	207	9	1863	0.761	0.739	0.005		1418	1377	9	
Midweek	127	21	2667	0.812	0.91			2166	2427		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	September	6196	2208	580		
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
5-Yr Avg	September	3755	1923	365	126	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	603	20%	9%	480	32%	11%	55
Chinook	112	3%	45%	374	13%	13%	50

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	467	14%
iRec Anglers	8892	19%

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

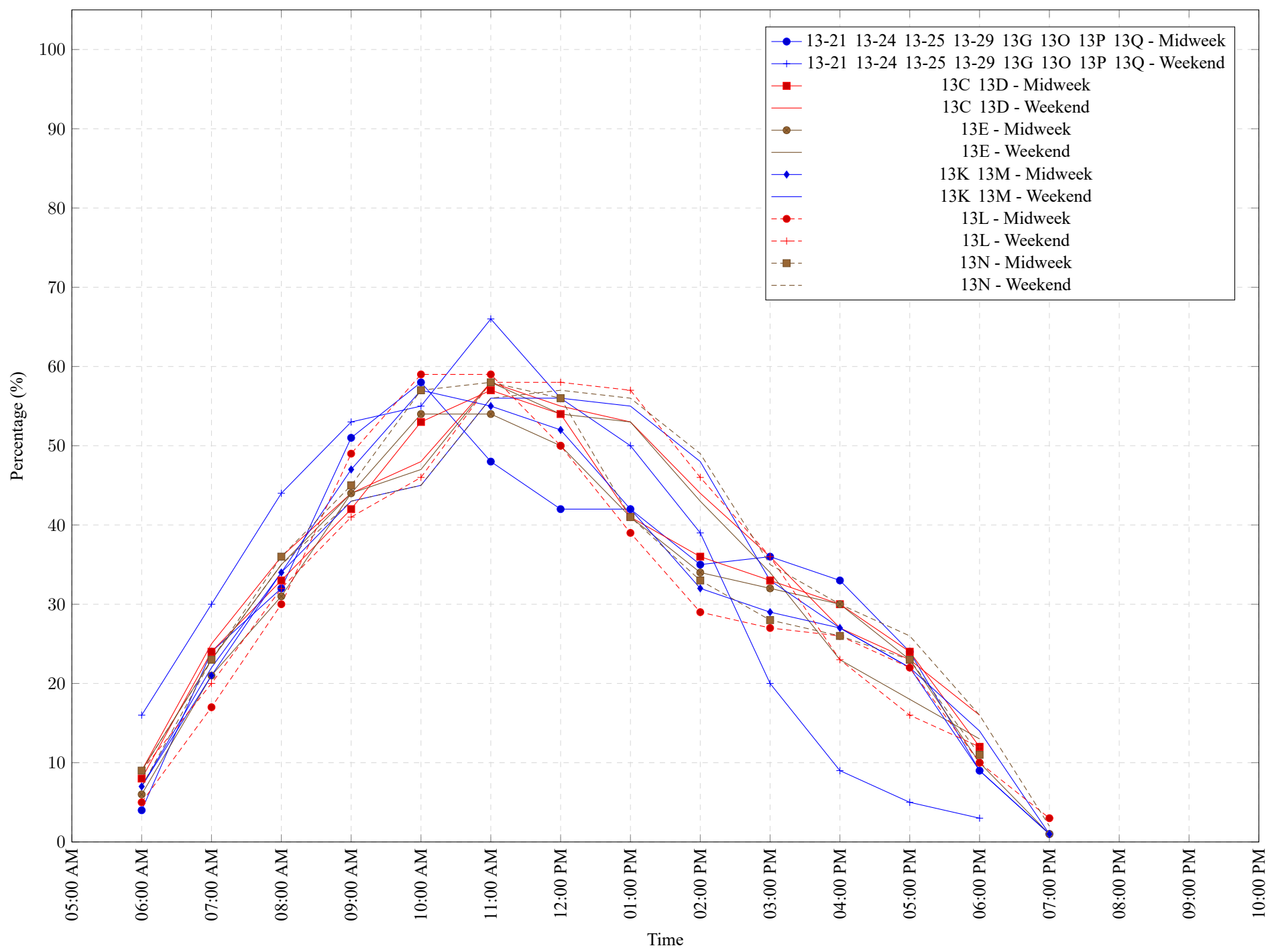


Table 7: Proportion of each day's fishing by hour.

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	13-24	13-25	13-29	13G	13O	13P	13Q	Midweek	4%	24%	32%	51%	58%	48%	42%	42%	35%	36%	33%	24%	9%	1%	0%	0%	0%
13-21	13-24	13-25	13-29	13G	13O	13P	13Q	Weekend	16%	30%	44%	53%	55%	66%	56%	50%	39%	20%	9%	5%	3%	0%	0%	0%	0%
13C 13D								Midweek	8%	24%	33%	42%	53%	57%	54%	41%	36%	33%	30%	24%	12%	0%	0%	0%	0%
13C 13D								Weekend	9%	25%	36%	44%	48%	58%	55%	53%	44%	36%	27%	23%	16%	0%	0%	0%	0%
13E								Midweek	6%	21%	31%	44%	54%	54%	50%	41%	34%	32%	30%	23%	10%	1%	0%	0%	0%
13E								Weekend	9%	23%	35%	44%	47%	58%	54%	53%	43%	34%	23%	18%	13%	0%	0%	0%	0%
13K 13M								Midweek	7%	21%	34%	47%	57%	55%	52%	42%	32%	29%	27%	22%	9%	1%	0%	0%	0%
13K 13M								Weekend	7%	22%	34%	43%	45%	56%	56%	55%	48%	33%	27%	22%	14%	1%	0%	0%	0%
13L								Midweek	5%	17%	30%	49%	59%	59%	50%	39%	29%	27%	26%	22%	10%	3%	0%	0%	0%
13L								Weekend	9%	20%	32%	41%	46%	58%	58%	57%	46%	36%	23%	16%	12%	0%	0%	0%	0%
13N								Midweek	9%	23%	36%	45%	57%	58%	56%	41%	33%	28%	26%	23%	11%	0%	0%	0%	0%
13N								Weekend	7%	23%	35%	43%	45%	56%	57%	56%	49%	35%	30%	26%	16%	2%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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