

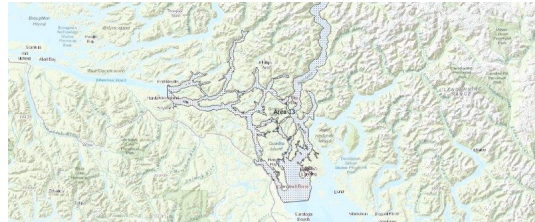
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 13 May 2022



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Thursday 19<sup>th</sup> January, 2023



Fisheries and Oceans  
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**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 PM
		AM	PM	AM	PM	AM	PM	
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							
04 May 2022	Midweek							
05 May 2022	Midweek							
06 May 2022	Midweek							
07 May 2022	Weekend		5					
08 May 2022	Weekend							
09 May 2022	Midweek			1				1
10 May 2022	Midweek		4					
11 May 2022	Midweek					2		
12 May 2022	Midweek							
13 May 2022	Midweek				6			
14 May 2022	Weekend			2				
15 May 2022	Weekend							
16 May 2022	Midweek	1					1	
17 May 2022	Midweek		1					
18 May 2022	Midweek							
19 May 2022	Midweek							
20 May 2022	Midweek					1	8	
21 May 2022	Weekend		11					
22 May 2022	Weekend						7	
23 May 2022	Weekend		3		3			
24 May 2022	Midweek							
25 May 2022	Midweek							
26 May 2022	Midweek		3					
27 May 2022	Midweek							
28 May 2022	Weekend	9					5	
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	

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
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	10
03-May-2022	Tuesday		4							
04-May-2022	Wednesday		0							
05-May-2022	Thursday		0							
06-May-2022	Friday		0							
07-May-2022	Saturday	calm/rippled	5							
08-May-2022	Sunday		1	2				18	1142	39
09-May-2022	Monday	calm/rippled	3							
10-May-2022	Tuesday	choppy	4							
11-May-2022	Wednesday	frequent whitecaps	3	1						
12-May-2022	Thursday		0					1	1134	2
13-May-2022	Friday	calm/rippled	6							
14-May-2022	Saturday	calm/rippled	4					20	1140	47
15-May-2022	Sunday		3							
16-May-2022	Monday	calm/rippled	4	1				4	1131	8
17-May-2022	Tuesday	choppy	3							
18-May-2022	Wednesday		2							
19-May-2022	Thursday		1							
20-May-2022	Friday	calm/rippled	11				1			
21-May-2022	Saturday	calm/rippled	14	1						
22-May-2022	Sunday	calm/rippled	11	1				33	1117	80
23-May-2022	Monday	choppy	12	1						
	(Victoria Day)									
24-May-2022	Tuesday		5							
25-May-2022	Wednesday		2							
26-May-2022	Thursday	choppy	4							
27-May-2022	Friday		0							
28-May-2022	Saturday	calm/rippled	16	3						
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	14
02-Jun-2022	Thursday		4							
03-Jun-2022	Friday	choppy	3							
	Totals	choppy	65	4			1	3*		7*
	Totals	calm/rippled	76	8				24*		55*

\* 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	55	10	550	0.105				58			
Midweek	7	21	147	0.062			0.015	9			2

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	May	1343	537			1
2018	May	1363	1032			
2019	May	867	0			0
2020	May	1045	47			
2021	May	1011	25			0
2022	May	654	154	0	0	4
5-Yr Avg	May	1126	328			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	45	29%	44%	12	20%	167%	20

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	133	16%
iRec Anglers	1461	15%

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

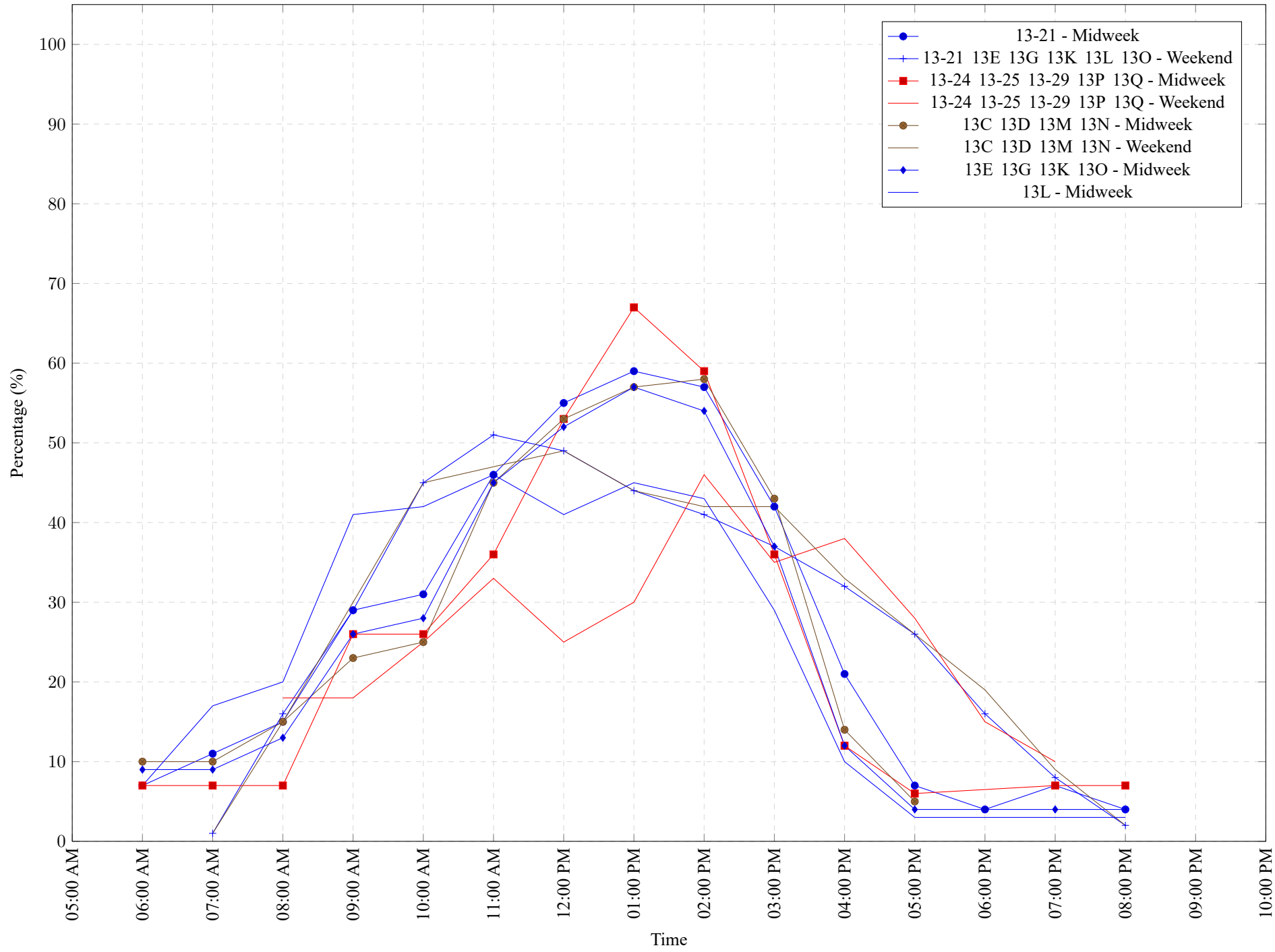


Table 7: Proportion of each day's fishing by hour.

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	7%	11%	15%	29%	31%	46%	55%	59%	57%	42%	21%	7%	4%	7%	4%	0%	0%
13-21	13E	13G	13K	13L 13O	Weekend	0%	1%	16%	29%	45%	51%	49%	44%	41%	37%	32%	26%	16%	8%	2%	0%	0%
13-24 13-25 13-29 13P 13Q					Midweek	7%	7%	7%	26%	26%	36%	53%	67%	59%	36%	12%	6%	0%	7%	7%	0%	0%
13-24	13-25	13-29	13P	13Q	Weekend	0%	0%	18%	18%	25%	33%	25%	30%	46%	35%	38%	28%	15%	10%	0%	0%	0%
13C 13D 13M 13N					Midweek	10%	10%	15%	23%	25%	45%	53%	57%	58%	43%	14%	5%	0%	0%	0%	0%	0%
13C 13D 13M 13N					Weekend	0%	1%	15%	30%	45%	47%	49%	44%	42%	42%	33%	26%	19%	9%	2%	0%	0%
13E 13G 13K 13O					Midweek	9%	9%	13%	26%	28%	45%	52%	57%	54%	37%	12%	4%	0%	4%	4%	0%	0%
13L					Midweek	7%	17%	20%	41%	42%	46%	41%	45%	43%	29%	10%	3%	0%	3%	3%	0%	0%

**Table 8: Daily Fishing Conditions.**

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