

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 15 May 2024



Prepared By:

South Coast Salmon Stock Assessment Section

Friday 19th July, 2024



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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	Discov- ery Marina South	Lund		Pacific Play	Westview	
		PM	PM	PM	AM	PM	PM	AM	PM
28 Apr 2024	Weekend					1			
29 Apr 2024	Midweek								
30 Apr 2024	Midweek								
01 May 2024	Midweek								
02 May 2024	Midweek						1		
03 May 2024	Midweek								
04 May 2024	Weekend							6	
05 May 2024	Weekend								
06 May 2024	Midweek			1	3				
07 May 2024	Midweek					2			
08 May 2024	Midweek								7
09 May 2024	Midweek								
10 May 2024	Midweek								
11 May 2024	Weekend								
12 May 2024	Weekend					5			
13 May 2024	Midweek							3	
14 May 2024	Midweek			1					
15 May 2024	Midweek				3				
16 May 2024	Midweek								
17 May 2024	Midweek								
18 May 2024	Weekend								2
19 May 2024	Weekend								
20 May 2024	Weekend					7			
21 May 2024	Midweek								
22 May 2024	Midweek								
23 May 2024	Midweek								
24 May 2024	Midweek	1							
25 May 2024	Weekend				2				
26 May 2024	Weekend								
27 May 2024	Midweek								
28 May 2024	Midweek								
29 May 2024	Midweek								
30 May 2024	Midweek								
31 May 2024	Midweek								
01 Jun 2024	Weekend		1					1	
02 Jun 2024	Weekend				1				
03 Jun 2024	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
28-Apr-2024	Sunday	frequent whitecaps	1							
29-Apr-2024	Monday		0							
30-Apr-2024	Tuesday		0							
01-May-2024	Wednesday		0							
02-May-2024	Thursday	calm/rippled	1					8	1224	21
03-May-2024	Friday		0							
04-May-2024	Saturday		0							
05-May-2024	Sunday	choppy	6					13	1216	25
06-May-2024	Monday	choppy	4					4	1222	12
07-May-2024	Tuesday	choppy	2							
08-May-2024	Wednesday	choppy	7							
09-May-2024	Thursday		0							
10-May-2024	Friday		0							
11-May-2024	Saturday		0							
12-May-2024	Sunday	choppy	5					22	1225	50
13-May-2024	Monday	choppy	3							
14-May-2024	Tuesday	choppy	1	2						
15-May-2024	Wednesday	choppy	3							
16-May-2024	Thursday		0							
17-May-2024	Friday		0					8	1219	21
18-May-2024	Saturday	choppy	2							
19-May-2024	Sunday		0							
20-May-2024	Monday (Victoria Day)	calm/rippled	7					39	1225	88
21-May-2024	Tuesday		0							
22-May-2024	Wednesday		0							
23-May-2024	Thursday		0							
24-May-2024	Friday	calm/rippled	1	2						
25-May-2024	Saturday	frequent whitecaps	2	2				10	1228	22
26-May-2024	Sunday		0							
27-May-2024	Monday		0							
28-May-2024	Tuesday		0							
29-May-2024	Wednesday		0							
30-May-2024	Thursday		0					19	1221	51
31-May-2024	Friday		0							
01-Jun-2024	Saturday	calm/rippled	2	4				21	1222	47
02-Jun-2024	Sunday	frequent whitecaps	1							
03-Jun-2024	Monday		0							
	Totals	choppy	22	4				10*		26*
	Totals	choppy	22	2				21*		46*

* 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	46	9	414	0.091				38			
Midweek	26	22	572	0.182				104			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2019	May	514				
2020	May	374				
2021	May	582	314			
2022	May	535	137			0
2023	May	708	426			0
2024	May	816	140			0
5-Yr Avg	May	543	292			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
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	44	2%
iRec Anglers	843	12%

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

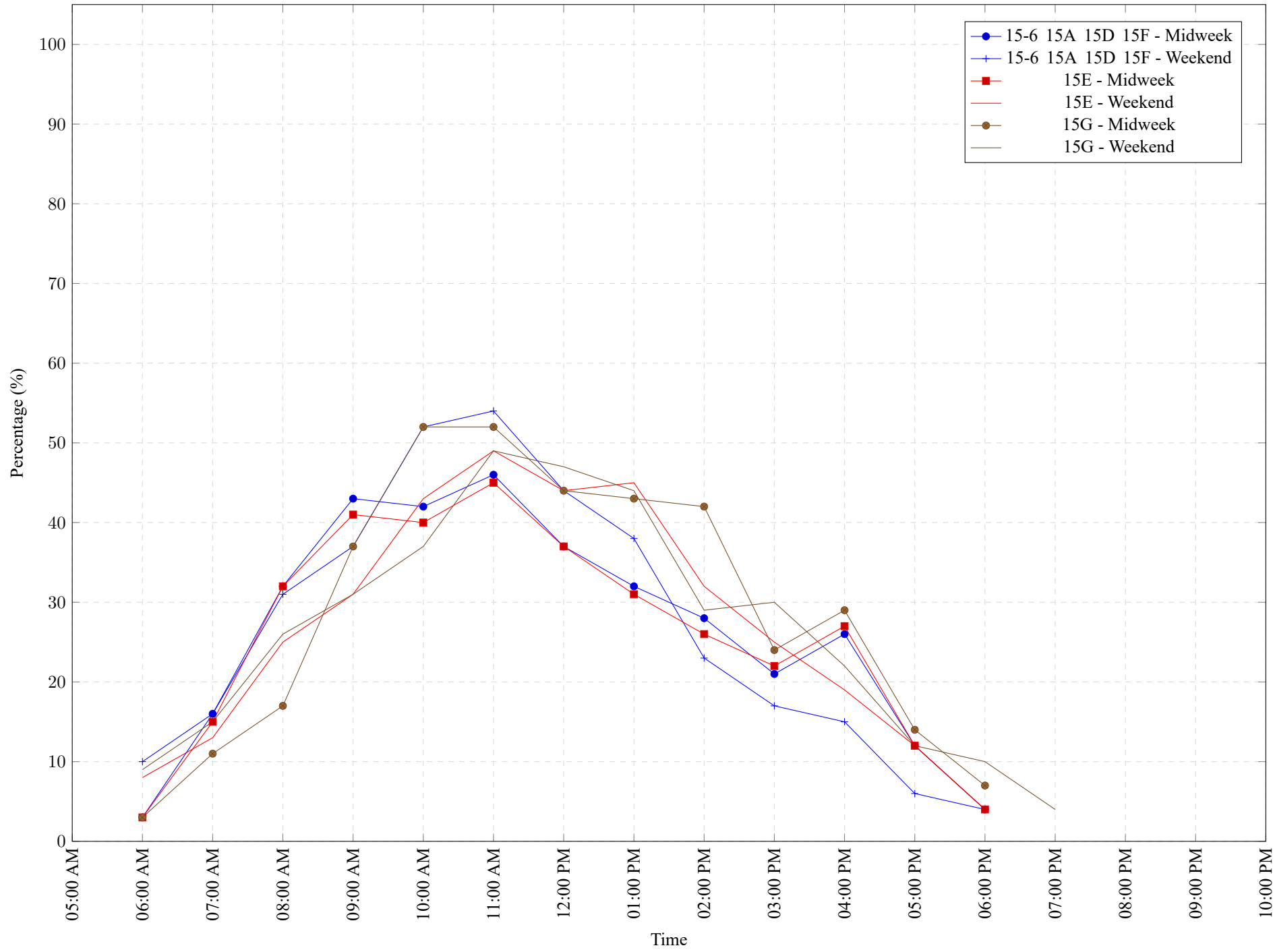


Table 7: Proportion of each day's fishing by hour.

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
15-6	15A	15D	15F	Midweek	3%	16%	32%	43%	42%	46%	37%	32%	28%	21%	26%	12%	4%	0%	0%	0%	0%
15-6	15A	15D	15F	Weekend	10%	16%	31%	37%	52%	54%	44%	38%	23%	17%	15%	6%	4%	0%	0%	0%	0%
	15E			Midweek	3%	15%	32%	41%	40%	45%	37%	31%	26%	22%	27%	12%	4%	0%	0%	0%	0%
	15E			Weekend	8%	13%	25%	31%	43%	49%	44%	45%	32%	25%	19%	12%	4%	0%	0%	0%	0%
	15G			Midweek	3%	11%	17%	37%	52%	52%	44%	43%	42%	24%	29%	14%	7%	0%	0%	0%	0%
	15G			Weekend	9%	15%	26%	31%	37%	49%	47%	44%	29%	30%	22%	12%	10%	4%	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
28 Apr 2024	Weekend				frequent whitecaps		
29 Apr 2024	Midweek						
30 Apr 2024	Midweek						
01 May 2024	Midweek						
02 May 2024	Midweek					calm/rippled	
03 May 2024	Midweek						
04 May 2024	Weekend						
05 May 2024	Weekend						choppy
06 May 2024	Midweek			calm/rippled	choppy		
07 May 2024	Midweek				choppy		
08 May 2024	Midweek						choppy
09 May 2024	Midweek						
10 May 2024	Midweek						
11 May 2024	Weekend						
12 May 2024	Weekend				choppy		
13 May 2024	Midweek						choppy
14 May 2024	Midweek			choppy			
15 May 2024	Midweek				choppy		
16 May 2024	Midweek						
17 May 2024	Midweek						
18 May 2024	Weekend						choppy
19 May 2024	Weekend						
20 May 2024	Weekend				calm/rippled		
21 May 2024	Midweek						
22 May 2024	Midweek						
23 May 2024	Midweek						
24 May 2024	Midweek	calm/rippled					
25 May 2024	Weekend				frequent whitecaps		
26 May 2024	Weekend						
27 May 2024	Midweek						
28 May 2024	Midweek						
29 May 2024	Midweek						
30 May 2024	Midweek						
31 May 2024	Midweek						
01 Jun 2024	Weekend		calm/rippled				calm/rippled
02 Jun 2024	Weekend				frequent whitecaps		
03 Jun 2024	Midweek						