

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 15 June 2023



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*Prepared By:*

South Coast Salmon Stock Assessment Section

Thursday 8<sup>th</sup> February, 2024



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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 Boat Rental		Brown's Bay PM	Discovery Marina South		Pacific Play	
		AM	PM		AM	PM	AM	PM
29 May 2023	Midweek							
30 May 2023	Midweek							
31 May 2023	Midweek							
01 Jun 2023	Midweek							
02 Jun 2023	Midweek							
03 Jun 2023	Weekend				1			
04 Jun 2023	Weekend	1		1				
05 Jun 2023	Midweek					2		
06 Jun 2023	Midweek							
07 Jun 2023	Midweek				2			
08 Jun 2023	Midweek							
09 Jun 2023	Midweek							
10 Jun 2023	Weekend	1					2	
11 Jun 2023	Weekend							
12 Jun 2023	Midweek							
13 Jun 2023	Midweek							
14 Jun 2023	Midweek							
15 Jun 2023	Midweek	1						1
16 Jun 2023	Midweek							
17 Jun 2023	Weekend		2					
18 Jun 2023	Weekend							
19 Jun 2023	Midweek		1					
20 Jun 2023	Midweek							
21 Jun 2023	Midweek							
22 Jun 2023	Midweek					3		
23 Jun 2023	Midweek		1					
24 Jun 2023	Weekend							
25 Jun 2023	Weekend					3		
26 Jun 2023	Midweek		2			4		
27 Jun 2023	Midweek							
28 Jun 2023	Midweek							
29 Jun 2023	Midweek				1			
30 Jun 2023	Midweek	1						
01 Jul 2023	Weekend							
02 Jul 2023	Weekend							
03 Jul 2023	Weekend				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
29-May-2023	Monday		0							
30-May-2023	Tuesday		1	3						
31-May-2023	Wednesday		1	1						
01-Jun-2023	Thursday		3	5						
02-Jun-2023	Friday		1	1						
03-Jun-2023	Saturday	calm/rippled	3	4				11	1106	23
04-Jun-2023	Sunday	choppy	3							
05-Jun-2023	Monday	calm/rippled	2	5				20	1116	40
06-Jun-2023	Tuesday		0							
07-Jun-2023	Wednesday	choppy	3	9						
08-Jun-2023	Thursday		0					27	1051	54
09-Jun-2023	Friday		1							
10-Jun-2023	Saturday	calm/rippled	3	2						
11-Jun-2023	Sunday		0					16	1044	36
12-Jun-2023	Monday		0							
13-Jun-2023	Tuesday		0							
14-Jun-2023	Wednesday		0							
15-Jun-2023	Thursday	calm/rippled	4	11				38	1110	76
16-Jun-2023	Friday		2	3						
17-Jun-2023	Saturday	calm/rippled	2	3				21	1115	42
18-Jun-2023	Sunday		4	7						
19-Jun-2023	Monday	calm/rippled	4	4						
20-Jun-2023	Tuesday		5	5						
21-Jun-2023	Wednesday		3	10						
22-Jun-2023	Thursday	calm/rippled	8	13						
23-Jun-2023	Friday	calm/rippled	3	6						
24-Jun-2023	Saturday		0					31	1056	65
25-Jun-2023	Sunday	calm/rippled	3	8						
26-Jun-2023	Monday	calm/rippled	10	18	4					
27-Jun-2023	Tuesday		5	9						
28-Jun-2023	Wednesday		2	3						
29-Jun-2023	Thursday	calm/rippled	6	16				19	1126	38
30-Jun-2023	Friday	choppy	2	4						
01-Jul-2023	Saturday		2					34	1154	68
02-Jul-2023	Sunday		0					24	1203	48
03-Jul-2023	Monday (Canada Day)	calm/rippled	2	4						
	Totals	calm/rippled	64	122	4			26*		52*
	Totals	calm/rippled	18	24				20*		42*

\* 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
Midweek	52	22	1144	1.906	0.063			2180	72		
Weekend	42	8	336	1.333				448			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	June	981	1031			
2019	June	467	9			0
2020	June	281		20		
2021	June	1466	1384			0
2022	June	1275	1664	0		40
2023	June	1389	1729	418		0
5-Yr Avg	June	894	1022	10		13

**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	418	100%	1%	93	100%	4%	4
Chinook	326	19%	11%	157	24%	23%	36

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	82	42%
iRec Anglers	1905	21%

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

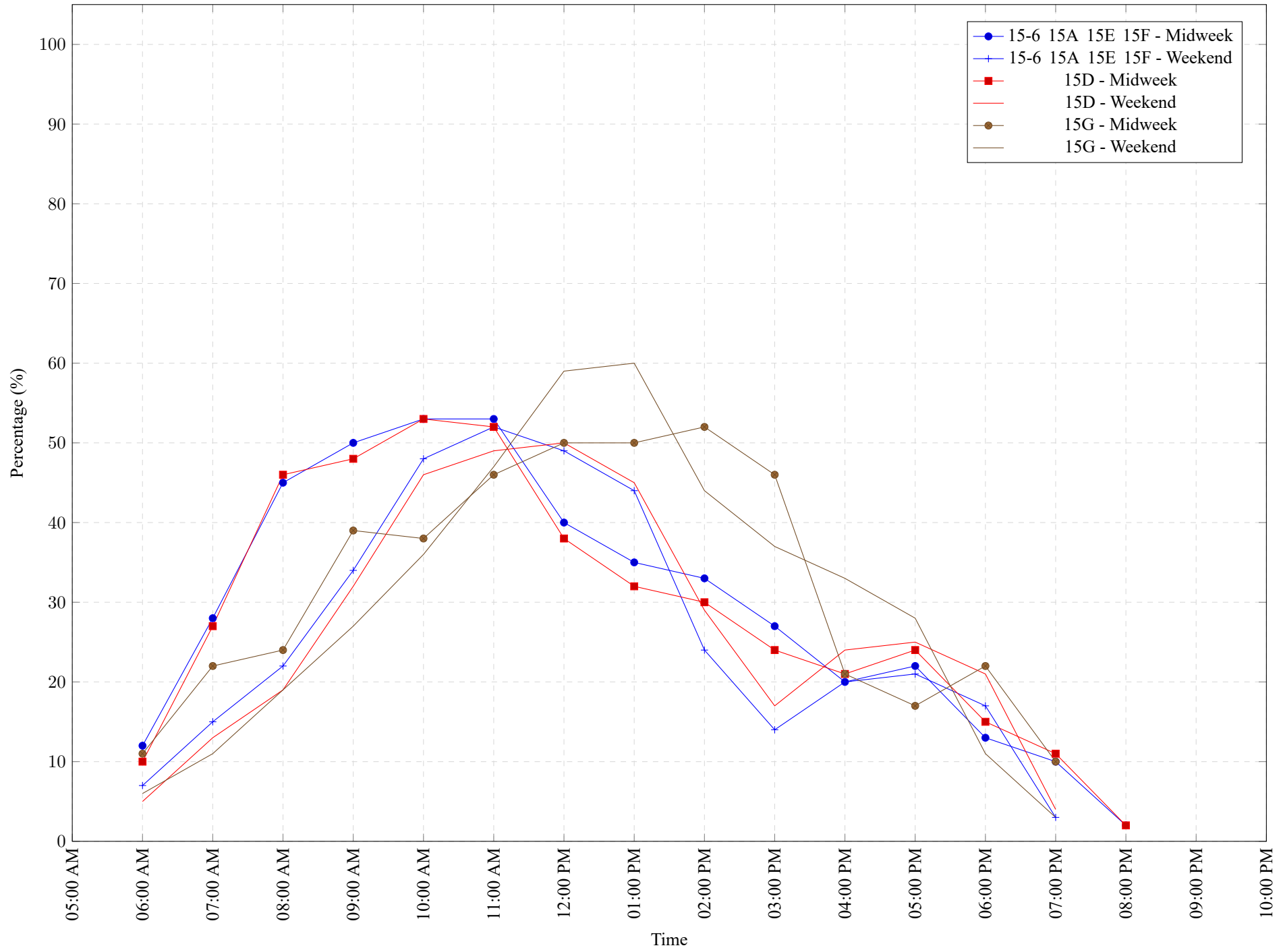


Table 7: Proportion of each day's fishing by hour.

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	15E	15F		Midweek	12%	28%	45%	50%	53%	53%	40%	35%	33%	27%	20%	22%	13%	10%	2%	0%	0%
15-6	15A	15E	15F		Weekend	7%	15%	22%	34%	48%	52%	49%	44%	24%	14%	20%	21%	17%	3%	0%	0%	0%
	15D				Midweek	10%	27%	46%	48%	53%	52%	38%	32%	30%	24%	21%	24%	15%	11%	2%	0%	0%
	15D				Weekend	5%	13%	19%	32%	46%	49%	50%	45%	29%	17%	24%	25%	21%	4%	0%	0%	0%
	15G				Midweek	11%	22%	24%	39%	38%	46%	50%	50%	52%	46%	21%	17%	22%	10%	0%	0%	0%
	15G				Weekend	6%	11%	19%	27%	36%	47%	59%	60%	44%	37%	33%	28%	11%	3%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

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