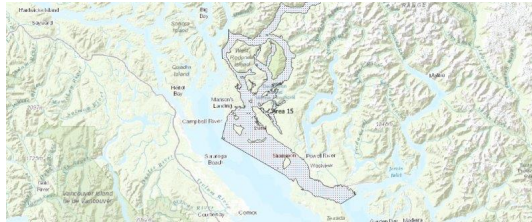


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 15 May 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 8th February, 2024



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	Comox Mun	Discovery Marina South		Pacific Play	
		AM	PM	PM	AM	AM	PM	AM	PM
28 Apr 2023	Midweek								
29 Apr 2023	Weekend								
30 Apr 2023	Weekend								
01 May 2023	Midweek				1				
02 May 2023	Midweek							1	
03 May 2023	Midweek	1							
04 May 2023	Midweek	1							
05 May 2023	Midweek								1
06 May 2023	Weekend		3			6			
07 May 2023	Weekend								
08 May 2023	Midweek						1		1
09 May 2023	Midweek								
10 May 2023	Midweek								
11 May 2023	Midweek								
12 May 2023	Midweek								
13 May 2023	Weekend								
14 May 2023	Weekend	1							3
15 May 2023	Midweek						2		
16 May 2023	Midweek		3						
17 May 2023	Midweek								
18 May 2023	Midweek								
19 May 2023	Midweek								
20 May 2023	Weekend							1	
21 May 2023	Weekend			1		2			
22 May 2023	Weekend								
23 May 2023	Midweek								
24 May 2023	Midweek								
25 May 2023	Midweek								
26 May 2023	Midweek						2		
27 May 2023	Weekend								1
28 May 2023	Weekend						1		
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			

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-2023	Friday		0							
29-Apr-2023	Saturday		0							
30-Apr-2023	Sunday		1							
01-May-2023	Monday	choppy	1							
02-May-2023	Tuesday	calm/rippled	1							
03-May-2023	Wednesday	calm/rippled	2	1						
04-May-2023	Thursday	calm/rippled	2	3						
05-May-2023	Friday	frequent whitecaps	1							
06-May-2023	Saturday	calm/rippled	9	7				9	1229	12
07-May-2023	Sunday		0							
08-May-2023	Monday	calm/rippled	3	2						
09-May-2023	Tuesday		1	1						
10-May-2023	Wednesday		0							
11-May-2023	Thursday		0							
12-May-2023	Friday		0					13	1215	22
13-May-2023	Saturday		0					41	1202	55
14-May-2023	Sunday	calm/rippled	4	3						
15-May-2023	Monday	calm/rippled	2							
16-May-2023	Tuesday	calm/rippled	4	4						
17-May-2023	Wednesday		1							
18-May-2023	Thursday		2	2				2	1203	4
19-May-2023	Friday		1							
20-May-2023	Saturday	choppy	2	7				29	1213	39
21-May-2023	Sunday	choppy	5	12						
22-May-2023	Monday		0							
(Victoria Day)										
23-May-2023	Tuesday		1					12	1156	23
24-May-2023	Wednesday		1							
25-May-2023	Thursday		0							
26-May-2023	Friday	calm/rippled	6	7						
27-May-2023	Saturday	choppy	1							
28-May-2023	Sunday	choppy	4	3						
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	15
	Totals	calm/rippled	31	24				9*		16*
	Totals	choppy	25	32				26*		35*

* 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	16	22	352	0.774				272			
Weekend	35	9	315	1.28				403			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	May	1649	2405			
2019	May	514				
2020	May	374				
2021	May	582	314			
2022	May	535	137			0
2023	May	708	426			0
5-Yr Avg	May	731	952			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	31	7%	16%	100	23%	5%	5

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	56	38%
iRec Anglers	931	23%

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

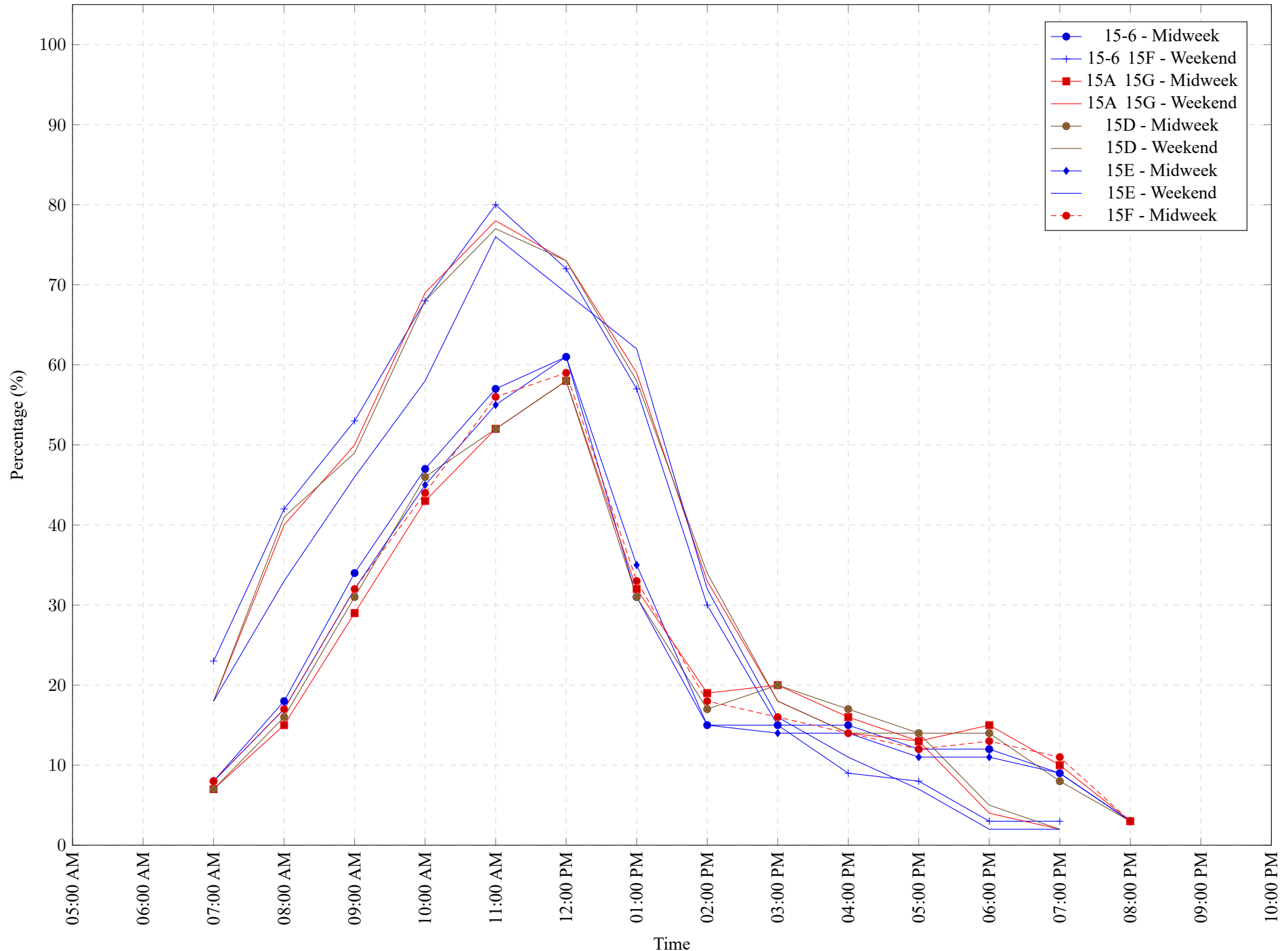


Table 7: Proportion of each day's fishing by hour.

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	Midweek	0%	8%	18%	34%	47%	57%	61%	31%	15%	15%	15%	12%	12%	9%	3%	0%	0%
15-6 15F	Weekend	0%	23%	42%	53%	68%	80%	72%	57%	30%	15%	9%	8%	3%	3%	0%	0%	0%
15A 15G	Midweek	0%	7%	15%	29%	43%	52%	58%	32%	19%	20%	16%	13%	15%	10%	3%	0%	0%
15A 15G	Weekend	0%	18%	40%	50%	69%	78%	73%	59%	33%	18%	14%	13%	4%	2%	0%	0%	0%
15D	Midweek	0%	7%	16%	31%	46%	52%	58%	31%	17%	20%	17%	14%	14%	8%	3%	0%	0%
15D	Weekend	0%	18%	41%	49%	68%	77%	73%	58%	34%	18%	14%	14%	5%	2%	0%	0%	0%
15E	Midweek	0%	8%	17%	32%	45%	55%	61%	35%	15%	14%	14%	11%	11%	9%	3%	0%	0%
15E	Weekend	0%	18%	33%	46%	58%	76%	69%	62%	32%	16%	11%	7%	2%	2%	0%	0%	0%
15F	Midweek	0%	8%	17%	32%	44%	56%	59%	33%	18%	16%	14%	12%	13%	11%	3%	0%	0%

Table 8: Daily Fishing Conditions.

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