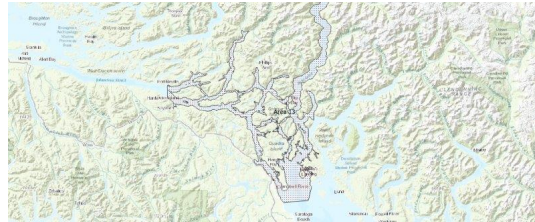


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 July 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 10th 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.

		Big Rock Boat Rental		Brown's Bay		Comox Mun	Discovery Marina South		Pacific Play			
Date	Day Type	AM	PM	AM	PM	PM	AM	PM	AM	PM		
28 Jun 2023	Midweek											
29 Jun 2023	Midweek											
30 Jun 2023	Midweek	7						5				
01 Jul 2023	Weekend							8	2			
02 Jul 2023	Weekend											
03 Jul 2023	Weekend	3						5				
04 Jul 2023	Midweek			15								
05 Jul 2023	Midweek											
06 Jul 2023	Midweek							6				
07 Jul 2023	Midweek	15										
08 Jul 2023	Weekend					3						
09 Jul 2023	Weekend											
10 Jul 2023	Midweek							4				
11 Jul 2023	Midweek						1			2		
12 Jul 2023	Midweek											
13 Jul 2023	Midweek							6				
14 Jul 2023	Midweek											
15 Jul 2023	Weekend	27			7							
16 Jul 2023	Weekend						18		12			
17 Jul 2023	Midweek	25										
18 Jul 2023	Midweek					5						
19 Jul 2023	Midweek											
20 Jul 2023	Midweek									2		
21 Jul 2023	Midweek					9			6			
22 Jul 2023	Weekend					9						
23 Jul 2023	Weekend			34								
24 Jul 2023	Midweek			5								
25 Jul 2023	Midweek	10										
26 Jul 2023	Midweek					13						
27 Jul 2023	Midweek											
28 Jul 2023	Midweek			31								
29 Jul 2023	Weekend					6						
30 Jul 2023	Weekend						12		6			
31 Jul 2023	Midweek					14	11					
01 Aug 2023	Midweek			28								
02 Aug 2023	Midweek								4			
03 Aug 2023	Midweek	17										

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-Jun-2023	Wednesday		10	5	3					
29-Jun-2023	Thursday	calm/rippled	18	5	19			49	1039	114
30-Jun-2023	Friday	choppy	30	38	23					
01-Jul-2023	Saturday	calm/rippled	27	5	16			66	1055	134
02-Jul-2023	Sunday		7	8				31	1100	64
03-Jul-2023	Monday (Canada Day)	calm/rippled	22	5	24					
04-Jul-2023	Tuesday	choppy	26	7	28					
05-Jul-2023	Wednesday		8	4						
06-Jul-2023	Thursday	calm/rippled	10	2	11					
07-Jul-2023	Friday	calm/rippled	28	7	21			52	1101	124
08-Jul-2023	Saturday	calm/rippled	15	2	4			81	1059	166
09-Jul-2023	Sunday		7	3	2					
10-Jul-2023	Monday	choppy	10		9			81	1104	196
11-Jul-2023	Tuesday	choppy	11	2	6					
12-Jul-2023	Wednesday		9	1						
13-Jul-2023	Thursday	calm/rippled	21	3	10					
14-Jul-2023	Friday		6	3				73	1107	174
15-Jul-2023	Saturday	calm/rippled	66	93	79			227	1101	469
16-Jul-2023	Sunday	calm/rippled	25	37	21		1			
17-Jul-2023	Monday	calm/rippled	42	48	26					
18-Jul-2023	Tuesday	calm/rippled	24	20	8					
19-Jul-2023	Wednesday		11	14	3			113	1109	270
20-Jul-2023	Thursday	calm/rippled	6	6	5					
21-Jul-2023	Friday	calm/rippled	26	31	6					
22-Jul-2023	Saturday	choppy	29	27	8			118	1052	241
23-Jul-2023	Sunday	calm/rippled	50	36	41					
24-Jul-2023	Monday	calm/rippled	16	12				40	1053	93
25-Jul-2023	Tuesday	choppy	22	20	10					
26-Jul-2023	Wednesday	choppy	25	15	1					
27-Jul-2023	Thursday		11	14						
28-Jul-2023	Friday	calm/rippled	44	29	31			160	1055	379
29-Jul-2023	Saturday	choppy	24	22	3			144	1100	296
30-Jul-2023	Sunday	calm/rippled	24	33	7					
31-Jul-2023	Monday	calm/rippled	40	22	4					
01-Aug-2023	Tuesday	calm/rippled	45	36	24					
02-Aug-2023	Wednesday	calm/rippled	16	20	3			90	0908	242
03-Aug-2023	Thursday	calm/rippled	30	19	14					
	Totals	calm/rippled	396	260	179			87*		206*
	Totals	calm/rippled	296	271	205		1	111*		228*

* 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	206	20	4120	0.657	0.452			2707	1862		
Weekend	228	11	2508	0.916	0.693		0.003	2297	1738		8

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	July	9363	7890	2383		
2019	July	6784	6024	293		0
2020	July	4939	4687	112	0	1
2021	July	8465	9382	83	0	49
2022	July	7042	8491	52		26
2023	July	7664	5440	6278	0	17
5-Yr Avg	July	7319	7295	585	0	19

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	6210	99%	6%	5237	93%	7%	351
Chinook	576	11%	16%	1205	26%	8%	94

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	666	14%
iRec Anglers	13773	20%

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

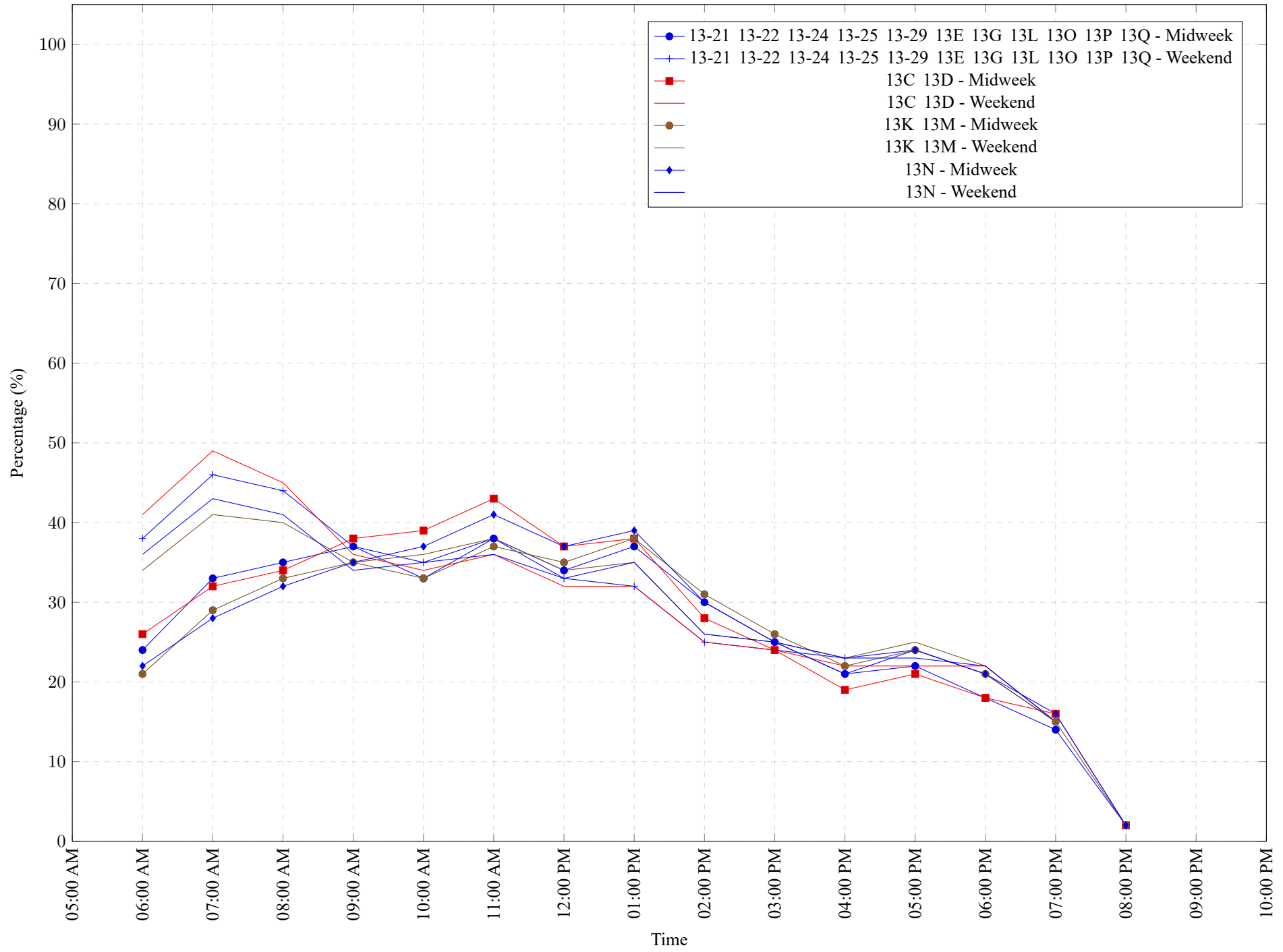


Table 7: Proportion of each day's fishing by hour.

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	13-22	13-24	13-25	13-29	13E	13G	13L	13O	13P	13Q		Midweek	24%	33%	35%	37%	33%	38%	34%	37%	30%	25%	21%	22%	18%	14%	2%	0%	0%
13-21	13-22	13-24	13-25	13-29	13E	13G	13L	13O	13P	13Q		Weekend	38%	46%	44%	37%	35%	38%	33%	32%	25%	24%	23%	24%	21%	15%	0%	0%	0%
13C 13D												Midweek	26%	32%	34%	38%	39%	43%	37%	38%	28%	24%	19%	21%	18%	16%	2%	0%	0%
13C 13D												Weekend	41%	49%	45%	36%	34%	36%	32%	32%	25%	24%	22%	22%	22%	15%	0%	0%	0%
13K 13M												Midweek	21%	29%	33%	35%	33%	37%	35%	38%	31%	26%	22%	24%	21%	15%	2%	0%	0%
13K 13M												Weekend	34%	41%	40%	35%	36%	38%	34%	35%	26%	25%	23%	25%	22%	15%	0%	0%	0%
13N												Midweek	22%	28%	32%	35%	37%	41%	37%	39%	30%	25%	21%	24%	21%	16%	2%	0%	0%
13N												Weekend	36%	43%	41%	34%	35%	36%	33%	35%	26%	25%	23%	23%	22%	15%	0%	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 Jun 2023	Midweek					
29 Jun 2023	Midweek				calm/rippled	
30 Jun 2023	Midweek	choppy				
01 Jul 2023	Weekend				calm/rippled	calm/rippled
02 Jul 2023	Weekend					
03 Jul 2023	Weekend	choppy			calm/rippled	
04 Jul 2023	Midweek	choppy				
05 Jul 2023	Midweek					
06 Jul 2023	Midweek				calm/rippled	
07 Jul 2023	Midweek	calm/rippled				
08 Jul 2023	Weekend		calm/rippled			
09 Jul 2023	Weekend					
10 Jul 2023	Midweek				choppy	
11 Jul 2023	Midweek			calm/rippled		choppy
12 Jul 2023	Midweek					
13 Jul 2023	Midweek				calm/rippled	
14 Jul 2023	Midweek					
15 Jul 2023	Weekend	calm/rippled	calm/rippled		calm/rippled	
16 Jul 2023	Weekend					calm/rippled
17 Jul 2023	Midweek	calm/rippled				
18 Jul 2023	Midweek		calm/rippled			
19 Jul 2023	Midweek					
20 Jul 2023	Midweek					calm/rippled
21 Jul 2023	Midweek		calm/rippled			calm/rippled
22 Jul 2023	Weekend		calm/rippled		frequent whitecaps	
23 Jul 2023	Weekend	calm/rippled				
24 Jul 2023	Midweek		calm/rippled			
25 Jul 2023	Midweek	choppy				choppy
26 Jul 2023	Midweek		choppy			
27 Jul 2023	Midweek					
28 Jul 2023	Midweek	calm/rippled				
29 Jul 2023	Weekend		choppy			
30 Jul 2023	Weekend				calm/rippled	choppy
31 Jul 2023	Midweek		calm/rippled		calm/rippled	
01 Aug 2023	Midweek	calm/rippled				calm/rippled
02 Aug 2023	Midweek					calm/rippled
03 Aug 2023	Midweek	calm/rippled				