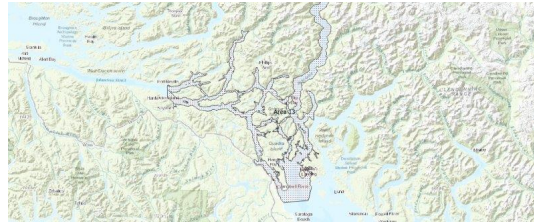


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 September 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Friday 11th February, 2022



Fisheries and Oceans
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		Discovery Marina South		Pacific Play	
		AM	PM	AM	PM	AM	PM	AM	PM
29 Aug 2021	Weekend	37				12			
30 Aug 2021	Midweek						19		
31 Aug 2021	Midweek							1	
01 Sep 2021	Midweek								3
02 Sep 2021	Midweek		24	13					
03 Sep 2021	Midweek	17					14		
04 Sep 2021	Weekend				11				
05 Sep 2021	Weekend								8
06 Sep 2021	Weekend			17			13		
07 Sep 2021	Midweek								
08 Sep 2021	Midweek				9				
09 Sep 2021	Midweek						7		
10 Sep 2021	Midweek		21						
11 Sep 2021	Weekend					4			
12 Sep 2021	Weekend							1	
13 Sep 2021	Midweek								
14 Sep 2021	Midweek								
15 Sep 2021	Midweek								
16 Sep 2021	Midweek								
17 Sep 2021	Midweek								
18 Sep 2021	Weekend								
19 Sep 2021	Weekend								1
20 Sep 2021	Midweek								
21 Sep 2021	Midweek								
22 Sep 2021	Midweek								
23 Sep 2021	Midweek				8				
24 Sep 2021	Midweek			7					
25 Sep 2021	Weekend				12	5			
26 Sep 2021	Weekend								
27 Sep 2021	Midweek								
28 Sep 2021	Midweek								
29 Sep 2021	Midweek								
30 Sep 2021	Midweek						3		
01 Oct 2021	Midweek								
02 Oct 2021	Weekend					1			
03 Oct 2021	Weekend								

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-Aug-2021	Sunday	choppy	61	47	1					
30-Aug-2021	Monday	calm/rippled	25	23				115	1004	227
31-Aug-2021	Tuesday	choppy	6	5						
01-Sep-2021	Wednesday	choppy	11	13	1					
02-Sep-2021	Thursday	calm/rippled	45	34	2			149	1057	317
03-Sep-2021	Friday	calm/rippled	40	39	1					
04-Sep-2021	Saturday	choppy	20	19	1			77	1107	187
05-Sep-2021	Sunday	choppy	22	17						
06-Sep-2021	Monday (Labour Day)	calm/rippled	36	7	1			118	1048	291
07-Sep-2021	Tuesday		3	3						
08-Sep-2021	Wednesday	calm/rippled	11	3	3			52	1127	114
09-Sep-2021	Thursday	calm/rippled	10	21						
10-Sep-2021	Friday	calm/rippled	26	14						
11-Sep-2021	Saturday	choppy	10	3						
12-Sep-2021	Sunday	choppy	3	4				57	1123	141
13-Sep-2021	Monday		4	3						
14-Sep-2021	Tuesday		1		1					
15-Sep-2021	Wednesday		6	3	10			22	1111	47
16-Sep-2021	Thursday		5	2	5					
17-Sep-2021	Friday		2							
18-Sep-2021	Saturday		7	2	10			30	1051	76
19-Sep-2021	Sunday	choppy	2	1						
20-Sep-2021	Monday		1							
21-Sep-2021	Tuesday		4		3					
22-Sep-2021	Wednesday		3		8			34	1116	75
23-Sep-2021	Thursday	calm/rippled	12	1	17					
24-Sep-2021	Friday	calm/rippled	10		9					
25-Sep-2021	Saturday	calm/rippled	21	4	23			76	1102	190
26-Sep-2021	Sunday		1		2					
27-Sep-2021	Monday		0					6	1039	12
28-Sep-2021	Tuesday		1		3					
29-Sep-2021	Wednesday		0							
30-Sep-2021	Thursday	calm/rippled	3		1					
01-Oct-2021	Friday		1							
02-Oct-2021	Saturday	large swells	2		3					
03-Oct-2021	Sunday		0					49	1111	123
	Totals	calm/rippled	198	136	64			53*		113*
	Totals	choppy	122	57	37			72*		177*

* 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	113	21	2373	0.687	0.323			1630	766		
Weekend	177	9	1593	0.467	0.303			744	483		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	September	4880	1288	782		
2017	September	6196	2208	580		
2018	September	3288	1190	137	252	
2019	September	2845	2476	128		0
2020	September	2797	1801	306	0	0
2021	September	3650	1941	676		0
5-Yr Avg	September	4001	1793	387	126	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
Coho	151	22%	30%	82	32%	55%	45
Chinook	349	21%	13%	301	27%	15%	45

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	317	12%
iRec Anglers	4606	31%

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

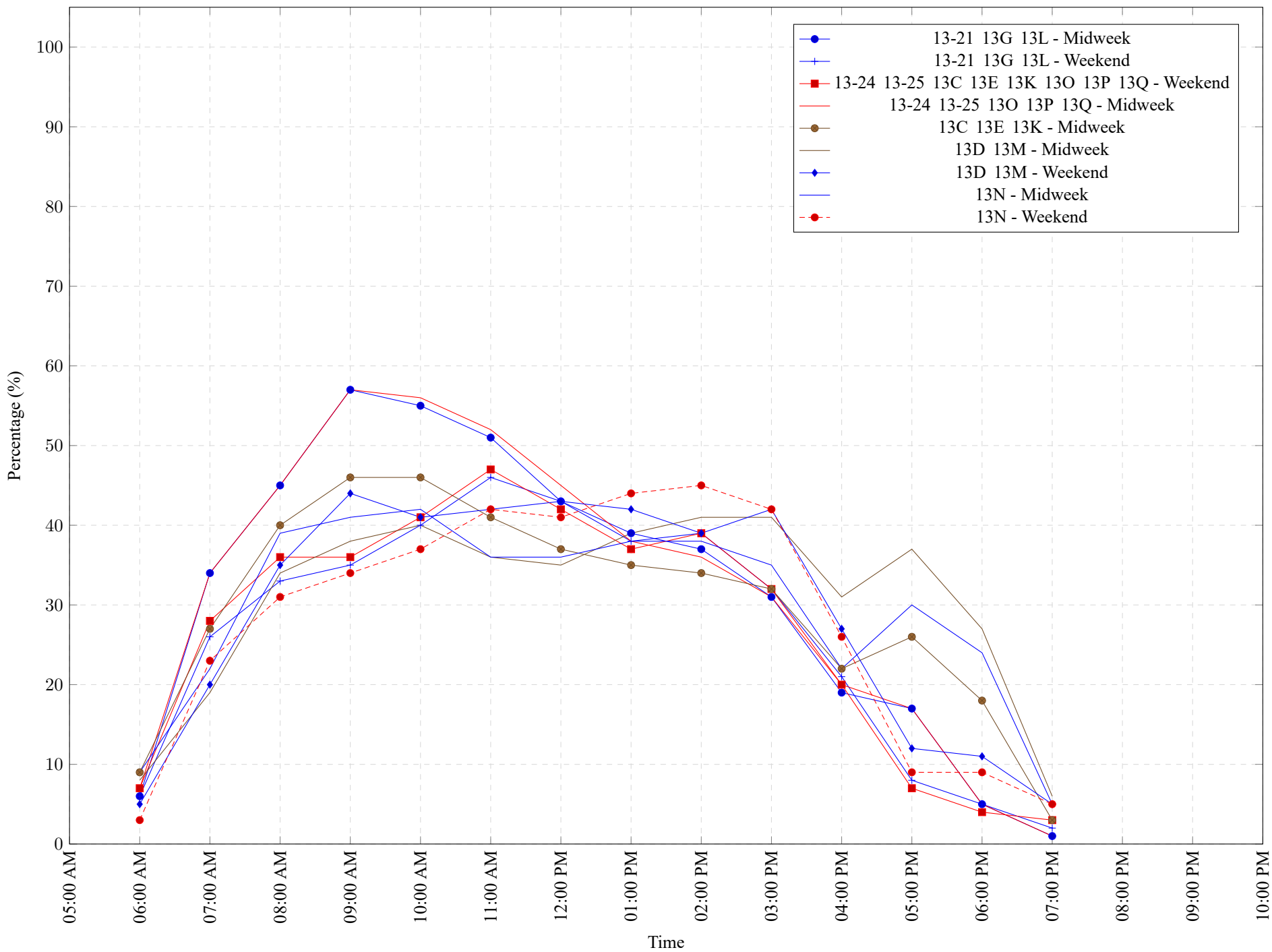


Table 7: Proportion of each day's fishing by hour.

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 13G 13L	Midweek	6%	34%	45%	57%	55%	51%	43%	39%	37%	31%	19%	17%	5%	1%	0%	0%	0%
13-21 13G 13L	Weekend	6%	26%	33%	35%	40%	46%	43%	38%	39%	32%	21%	8%	5%	2%	0%	0%	0%
13-24 13-25 13C 13E 13K 13O 13P 13Q	Weekend	7%	28%	36%	36%	41%	47%	42%	37%	39%	32%	20%	7%	4%	3%	0%	0%	0%
13-24 13-25 13O 13P 13Q	Midweek	7%	34%	45%	57%	56%	52%	45%	38%	36%	31%	20%	17%	5%	1%	0%	0%	0%
13C 13E 13K	Midweek	9%	27%	40%	46%	46%	41%	37%	35%	34%	32%	22%	26%	18%	3%	0%	0%	0%
13D 13M	Midweek	8%	19%	34%	38%	40%	36%	35%	39%	41%	41%	31%	37%	27%	6%	0%	0%	0%
13D 13M	Weekend	5%	20%	35%	44%	41%	42%	43%	42%	39%	42%	27%	12%	11%	5%	0%	0%	0%
13N	Midweek	9%	22%	39%	41%	42%	36%	36%	38%	38%	35%	22%	30%	24%	5%	0%	0%	0%
13N	Weekend	3%	23%	31%	34%	37%	42%	41%	44%	45%	42%	26%	9%	9%	5%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Brown's Bay	Discovery Marina South	Pacific Play
29 Aug 2021	Weekend	choppy		choppy	
30 Aug 2021	Midweek			calm/rippled	
31 Aug 2021	Midweek				choppy
01 Sep 2021	Midweek				choppy
02 Sep 2021	Midweek	calm/rippled	choppy		
03 Sep 2021	Midweek	calm/rippled		calm/rippled	
04 Sep 2021	Weekend		choppy		
05 Sep 2021	Weekend				choppy
06 Sep 2021	Weekend		calm/rippled	choppy	
07 Sep 2021	Midweek				
08 Sep 2021	Midweek		calm/rippled		
09 Sep 2021	Midweek			calm/rippled	
10 Sep 2021	Midweek	calm/rippled			
11 Sep 2021	Weekend			choppy	
12 Sep 2021	Weekend				choppy
13 Sep 2021	Midweek				
14 Sep 2021	Midweek				
15 Sep 2021	Midweek				
16 Sep 2021	Midweek				
17 Sep 2021	Midweek				
18 Sep 2021	Weekend				
19 Sep 2021	Weekend				choppy
20 Sep 2021	Midweek				
21 Sep 2021	Midweek				
22 Sep 2021	Midweek				
23 Sep 2021	Midweek		calm/rippled		
24 Sep 2021	Midweek		calm/rippled		
25 Sep 2021	Weekend		calm/rippled	calm/rippled	
26 Sep 2021	Weekend				
27 Sep 2021	Midweek				
28 Sep 2021	Midweek				
29 Sep 2021	Midweek				
30 Sep 2021	Midweek			calm/rippled	
01 Oct 2021	Midweek				
02 Oct 2021	Weekend			large swells	
03 Oct 2021	Weekend				