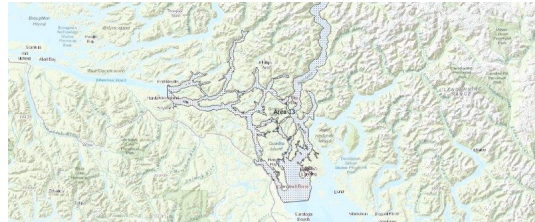


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 September 2020



Prepared By:

South Coast Salmon Stock Assessment Section

Tuesday 2nd February, 2021



Fisheries and Oceans
Canada

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Canada

Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		Big Rock Boat Rental		Brown's Bay		Discovery Marina South		Pacific Play		Painter's
Date	Day Type	AM	PM	AM	PM	AM	PM	AM	PM	MD
29 Aug 2020	Weekend									
30 Aug 2020	Weekend									
31 Aug 2020	Midweek									
01 Sep 2020	Midweek									
02 Sep 2020	Midweek	13		12		7				
03 Sep 2020	Midweek			10				1		
04 Sep 2020	Midweek						22			
05 Sep 2020	Weekend									
06 Sep 2020	Weekend									
07 Sep 2020	Weekend									
08 Sep 2020	Midweek									
09 Sep 2020	Midweek									
10 Sep 2020	Midweek	11								
11 Sep 2020	Midweek									
12 Sep 2020	Weekend									
13 Sep 2020	Weekend									
14 Sep 2020	Midweek		7							
15 Sep 2020	Midweek					2				
16 Sep 2020	Midweek						4			
17 Sep 2020	Midweek		17							1
18 Sep 2020	Midweek				9					
19 Sep 2020	Weekend									
20 Sep 2020	Weekend									
21 Sep 2020	Midweek									
22 Sep 2020	Midweek									
23 Sep 2020	Midweek									
24 Sep 2020	Midweek									
25 Sep 2020	Midweek									
26 Sep 2020	Weekend									
27 Sep 2020	Weekend		12	4		2				
28 Sep 2020	Midweek									
29 Sep 2020	Midweek									
30 Sep 2020	Midweek				7		8			
01 Oct 2020	Midweek									
02 Oct 2020	Midweek	5								1
03 Oct 2020	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-2020	Saturday		6	2				68	0854	153
30-Aug-2020	Sunday	calm/rippled	5	2						
31-Aug-2020	Monday		6	6						
01-Sep-2020	Tuesday	calm/rippled	11	19				109	1106	190
02-Sep-2020	Wednesday	choppy	30	25						
03-Sep-2020	Thursday	calm/rippled	16	14						
04-Sep-2020	Friday	choppy	29	37	4					
05-Sep-2020	Saturday		4	4						
06-Sep-2020	Sunday	frequent whitecaps	17	8	1			175	1101	285
07-Sep-2020	Monday (Labour Day)		4	7	1					
08-Sep-2020	Tuesday		1	1						
09-Sep-2020	Wednesday		3	2	1					
10-Sep-2020	Thursday	calm/rippled	11					88	1052	155
11-Sep-2020	Friday		0							
12-Sep-2020	Saturday		0							
13-Sep-2020	Sunday	choppy	14	4	1					
14-Sep-2020	Monday	calm/rippled	7							
15-Sep-2020	Tuesday	calm/rippled	3							
16-Sep-2020	Wednesday	choppy	5	3				37	1158	74
17-Sep-2020	Thursday	calm/rippled	18	5						
18-Sep-2020	Friday	calm/rippled	9	4	1					
19-Sep-2020	Saturday	calm/rippled	3	1				37	1100	61
20-Sep-2020	Sunday	calm/rippled	3	2	1			30	1202	50
21-Sep-2020	Monday		0					15	1019	29
22-Sep-2020	Tuesday		0							
23-Sep-2020	Wednesday		0							
24-Sep-2020	Thursday		0							
25-Sep-2020	Friday		0							
26-Sep-2020	Saturday	calm/rippled	2	2				33	1058	54
27-Sep-2020	Sunday	calm/rippled	16		1					
28-Sep-2020	Monday		1							
29-Sep-2020	Tuesday		0							
30-Sep-2020	Wednesday	choppy	15	1	1					
01-Oct-2020	Thursday	calm/rippled	1							
02-Oct-2020	Friday	calm/rippled	5							
03-Oct-2020	Saturday		0							
	Totals	calm/rippled	159	111	7			62*		112*
	Totals	choppy	63	28	5			69*		113*

* 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	113	9	1017	0.4440	0.0790			452	80		
Midweek	112	21	2352	0.6980	0.0440			1642	103		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	September	5602	6147	4507	59	
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
5-Yr Avg	September	4562	2662	1227	156	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	221	19%
iRec Anglers	7339	21%

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

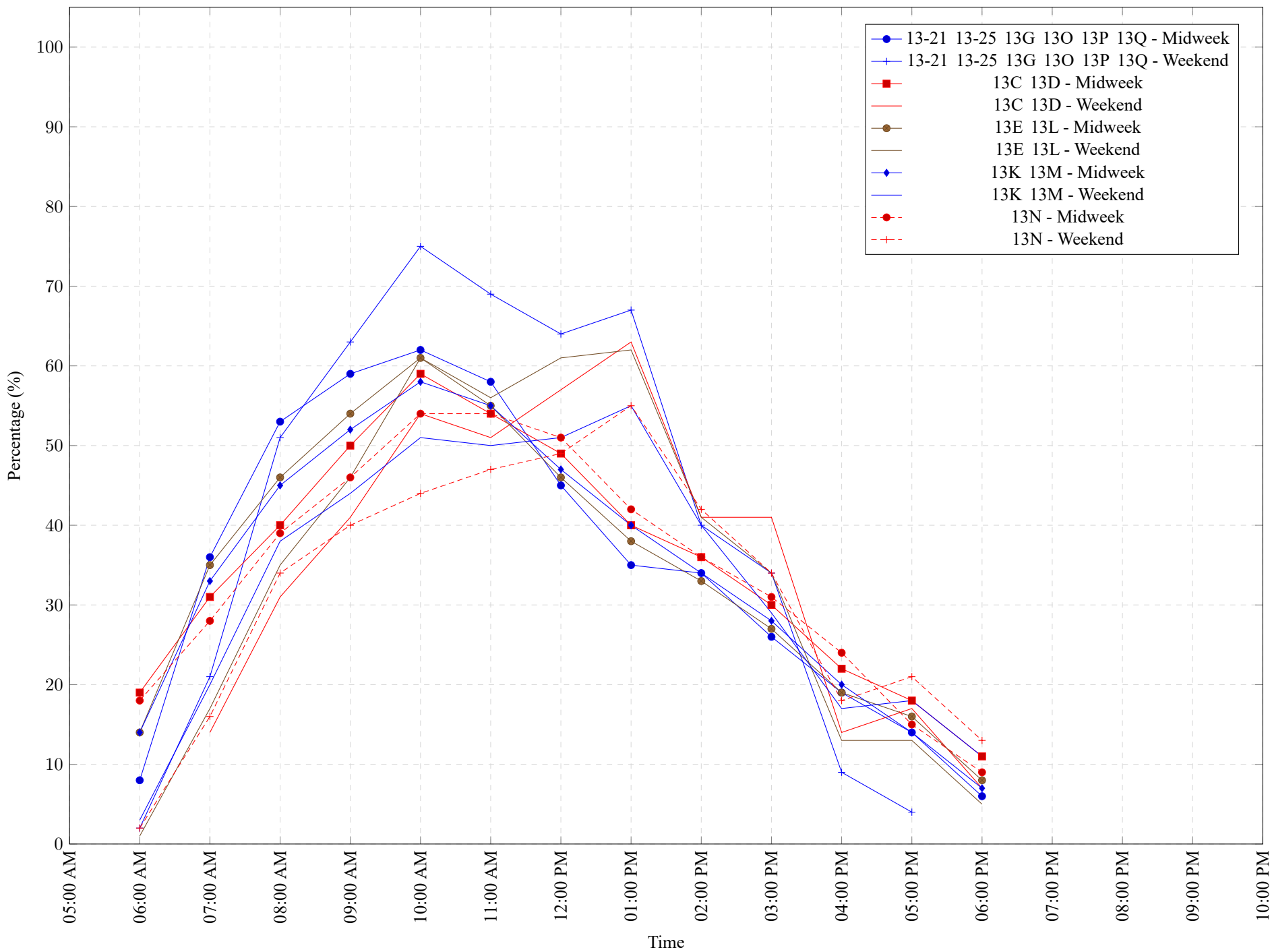


Table 7: Proportion of each day's fishing by hour.

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
13-21	13-25	13G	13O	13P	13Q		Midweek	8%	36%	53%	59%	62%	58%	45%	35%	34%	26%	19%	14%	6%	0%	0%	0%	0%
13-21	13-25	13G	13O	13P	13Q		Weekend	2%	21%	51%	63%	75%	69%	64%	67%	40%	34%	9%	4%	0%	0%	0%	0%	0%
	13C	13D					Midweek	19%	31%	40%	50%	59%	54%	49%	40%	36%	30%	22%	18%	11%	0%	0%	0%	0%
	13C	13D					Weekend	0%	14%	31%	41%	54%	51%	57%	63%	41%	41%	14%	17%	7%	0%	0%	0%	0%
	13E	13L					Midweek	14%	35%	46%	54%	61%	55%	46%	38%	33%	27%	19%	16%	8%	0%	0%	0%	0%
	13E	13L					Weekend	1%	17%	35%	46%	61%	56%	61%	62%	41%	34%	13%	13%	5%	0%	0%	0%	0%
	13K	13M					Midweek	14%	33%	45%	52%	58%	55%	47%	40%	34%	28%	20%	14%	7%	0%	0%	0%	0%
	13K	13M					Weekend	3%	20%	38%	44%	51%	50%	51%	55%	40%	29%	17%	18%	11%	0%	0%	0%	0%
	13N						Midweek	18%	28%	39%	46%	54%	54%	51%	42%	36%	31%	24%	15%	9%	0%	0%	0%	0%
	13N						Weekend	2%	16%	34%	40%	44%	47%	49%	55%	42%	34%	18%	21%	13%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Brown's Bay	Discovery Marina South	Pacific Play	Painter's
29 Aug 2020	Weekend					
30 Aug 2020	Weekend				calm/rippled	
31 Aug 2020	Midweek					
01 Sep 2020	Midweek			calm/rippled		
02 Sep 2020	Midweek	choppy	choppy			
03 Sep 2020	Midweek		calm/rippled		calm/rippled	
04 Sep 2020	Midweek			choppy		
05 Sep 2020	Weekend					
06 Sep 2020	Weekend		frequent whitecaps			
07 Sep 2020	Weekend					
08 Sep 2020	Midweek					
09 Sep 2020	Midweek					
10 Sep 2020	Midweek	calm/rippled				
11 Sep 2020	Midweek					
12 Sep 2020	Weekend					
13 Sep 2020	Weekend			choppy		
14 Sep 2020	Midweek	calm/rippled				
15 Sep 2020	Midweek			calm/rippled		
16 Sep 2020	Midweek			choppy		
17 Sep 2020	Midweek	calm/rippled				choppy
18 Sep 2020	Midweek		calm/rippled			
19 Sep 2020	Weekend			calm/rippled	calm/rippled	
20 Sep 2020	Weekend					calm/rippled
21 Sep 2020	Midweek					
22 Sep 2020	Midweek					
23 Sep 2020	Midweek					
24 Sep 2020	Midweek					
25 Sep 2020	Midweek					
26 Sep 2020	Weekend			calm/rippled		
27 Sep 2020	Weekend	calm/rippled	calm/rippled			
28 Sep 2020	Midweek					
29 Sep 2020	Midweek					
30 Sep 2020	Midweek		calm/rippled	choppy		
01 Oct 2020	Midweek					calm/rippled
02 Oct 2020	Midweek	calm/rippled				
03 Oct 2020	Weekend					