

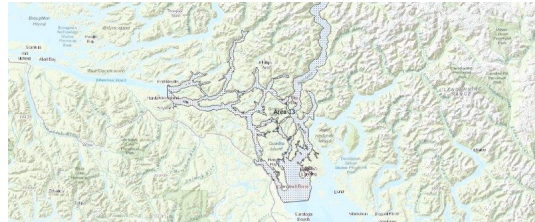
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

---

## Area 13 August 2020



---

*Prepared By:*  
South Coast Salmon Stock Assessment Section

Wednesday 3<sup>rd</sup> February, 2021



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		Discovery Marina South		Pacific Play		Painter's
		AM	PM	AM	PM	AM	PM	AM	PM	
29 Jul 2020	Midweek									
30 Jul 2020	Midweek									
31 Jul 2020	Midweek						18			
01 Aug 2020	Weekend									
02 Aug 2020	Weekend		13							
03 Aug 2020	Weekend									
04 Aug 2020	Midweek									1
05 Aug 2020	Midweek	19				5			7	
06 Aug 2020	Midweek						11			
07 Aug 2020	Midweek		5							2
08 Aug 2020	Weekend		18							2
09 Aug 2020	Weekend			9						
10 Aug 2020	Midweek									
11 Aug 2020	Midweek									
12 Aug 2020	Midweek					10				
13 Aug 2020	Midweek		40							
14 Aug 2020	Midweek					12				
15 Aug 2020	Weekend									2
16 Aug 2020	Weekend					14				
17 Aug 2020	Midweek									
18 Aug 2020	Midweek							4		5
19 Aug 2020	Midweek			7						
20 Aug 2020	Midweek									
21 Aug 2020	Midweek						10			2
22 Aug 2020	Weekend						40			2
23 Aug 2020	Weekend	19			11					
24 Aug 2020	Midweek									
25 Aug 2020	Midweek									
26 Aug 2020	Midweek									
27 Aug 2020	Midweek									
28 Aug 2020	Midweek						25			
29 Aug 2020	Weekend									
30 Aug 2020	Weekend							1		
31 Aug 2020	Midweek									
01 Sep 2020	Midweek					7				
02 Sep 2020	Midweek	13		12						
03 Sep 2020	Midweek			10				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-Jul-2020	Wednesday		4	3						
30-Jul-2020	Thursday		5	7						
31-Jul-2020	Friday	choppy	23	29						
01-Aug-2020	Saturday		10	14				234	0855	504
02-Aug-2020	Sunday	choppy	17	14						
03-Aug-2020	Monday (B.C. Day)		7	8						
04-Aug-2020	Tuesday	calm/rippled	7	7	1					
05-Aug-2020	Wednesday	calm/rippled	40	20	1			129	0855	309
06-Aug-2020	Thursday	frequent whitecaps	18	24						
07-Aug-2020	Friday	frequent whitecaps	17	19						
08-Aug-2020	Saturday	frequent whitecaps	31	21	1					
09-Aug-2020	Sunday	frequent whitecaps	15	7	1			217	0854	468
10-Aug-2020	Monday		9	10						
11-Aug-2020	Tuesday		6	18				116	0858	276
12-Aug-2020	Wednesday	choppy	15	23						
13-Aug-2020	Thursday	calm/rippled	49	34						
14-Aug-2020	Friday	choppy	24	37						
15-Aug-2020	Saturday	choppy	9	9				239	0854	516
16-Aug-2020	Sunday	choppy	17	26						
17-Aug-2020	Monday		11	13	1					
18-Aug-2020	Tuesday	calm/rippled	22	26						
19-Aug-2020	Wednesday	calm/rippled	16	15						
20-Aug-2020	Thursday		6	7				29	0852	76
21-Aug-2020	Friday	frequent whitecaps	24	21	1					
22-Aug-2020	Saturday	calm/rippled	54	67	1			283	0856	610
23-Aug-2020	Sunday	choppy	37	29	1					
24-Aug-2020	Monday		11	12						
25-Aug-2020	Tuesday		9	12	1					
26-Aug-2020	Wednesday		10	10	2					
27-Aug-2020	Thursday		8	9				132	0851	322
28-Aug-2020	Friday	frequent whitecaps	32	44			1	170	0854	413
29-Aug-2020	Saturday		6	2				68	0854	158
30-Aug-2020	Sunday	calm/rippled	5	2						
31-Aug-2020	Monday		6	6						
01-Sep-2020	Tuesday	calm/rippled	11	19				109	1106	300
02-Sep-2020	Wednesday	choppy	30	25						
03-Sep-2020	Thursday	calm/rippled	16	14						
	Totals	choppy	340	367	7		1	115*		279*
	Totals	choppy	208	199	4			208*		451*

\* 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	451	11	4961	0.9570	0.0190			4748	94		
Midweek	279	20	5580	1.0790	0.0210		0.0030	6021	117		17

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	August	9671	13836	635	24	
2016	August	7825	8571	1421		48
2017	August	8816	9319	1302	71	
2018	August	11230	9018	1212	1708	
2019	August	7869	9527	263	0	0
2020	August	7451	7067	69	0	19
5-Yr Avg	August	9082	10054	967	451	24

**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
---------	--------------------	-----------------	-----------------------	-------------------	----------------	----------------------	-----------------------

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	468	27%
iRec Anglers	17340	19%

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

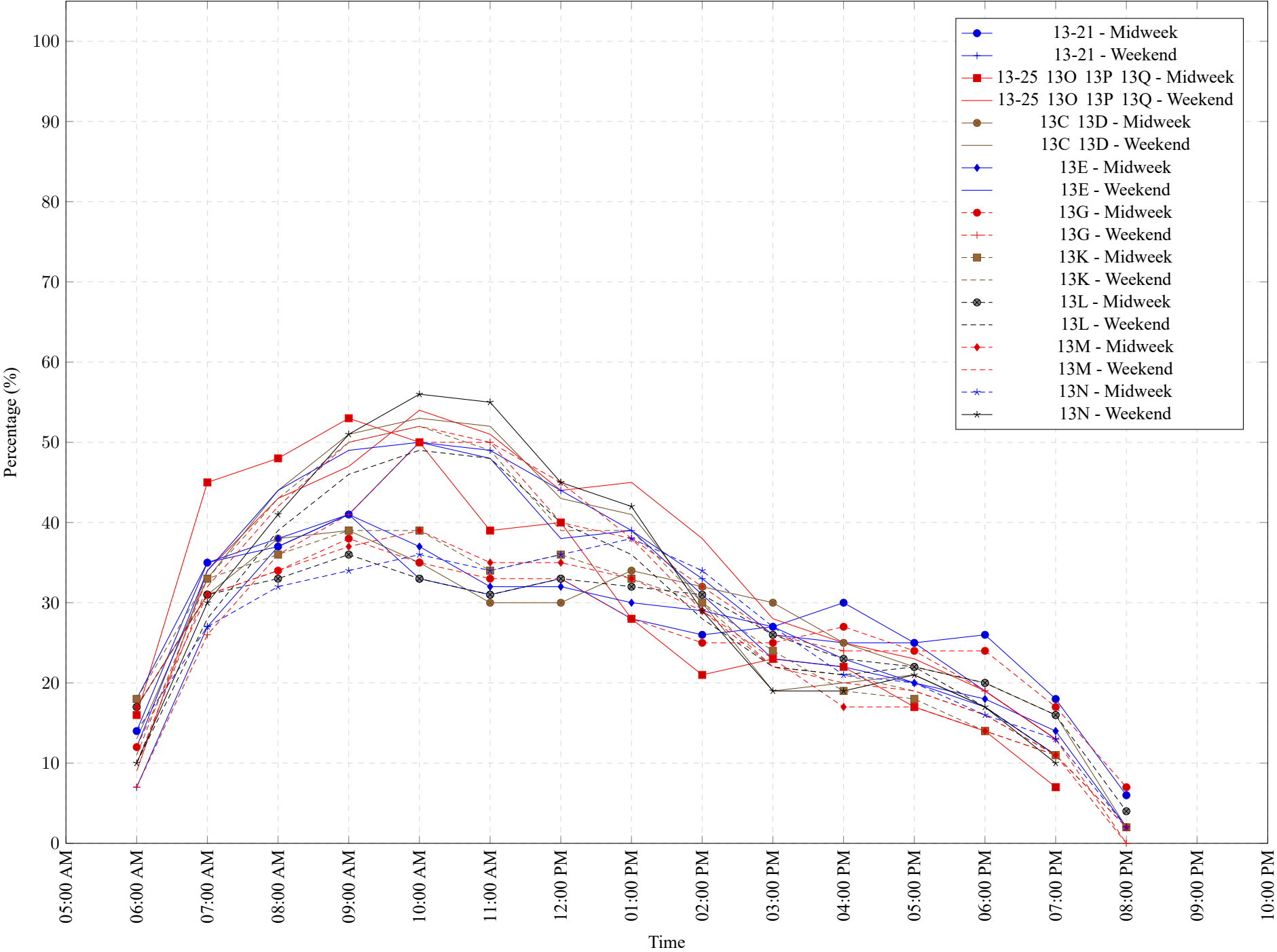


Table 7: Proportion of each day's fishing by hour.

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	Midweek	14%	35%	37%	41%	33%	31%	33%	28%	26%	27%	30%	25%	26%	18%	6%	0%	0%
13-21	Weekend	7%	27%	37%	41%	50%	49%	44%	39%	33%	26%	25%	25%	19%	13%	0%	0%	0%
13-25 13O 13P 13Q	Midweek	16%	45%	48%	53%	50%	39%	40%	28%	21%	23%	22%	17%	14%	7%	0%	0%	0%
13-25 13O 13P 13Q	Weekend	9%	34%	43%	47%	54%	51%	44%	45%	38%	28%	25%	23%	19%	13%	0%	0%	0%
13C 13D	Midweek	17%	31%	38%	39%	35%	30%	30%	34%	32%	30%	25%	22%	20%	16%	2%	0%	0%
13C 13D	Weekend	13%	33%	44%	51%	53%	52%	43%	41%	30%	19%	20%	21%	17%	11%	0%	0%	0%
13E	Midweek	18%	35%	38%	41%	37%	32%	32%	30%	29%	27%	23%	20%	18%	14%	2%	0%	0%
13E	Weekend	12%	34%	44%	49%	50%	48%	38%	39%	31%	23%	22%	20%	17%	11%	0%	0%	0%
13G	Midweek	12%	31%	34%	38%	35%	33%	33%	28%	25%	25%	27%	24%	24%	17%	7%	0%	0%
13G	Weekend	7%	26%	36%	41%	50%	50%	45%	38%	32%	26%	24%	24%	19%	13%	0%	0%	0%
13K	Midweek	18%	33%	36%	39%	39%	34%	36%	33%	30%	24%	19%	18%	14%	11%	2%	0%	0%
13K	Weekend	11%	33%	43%	50%	52%	49%	39%	39%	30%	22%	21%	19%	16%	11%	0%	0%	0%
13L	Midweek	17%	31%	33%	36%	33%	31%	33%	32%	31%	26%	23%	22%	20%	16%	4%	0%	0%
13L	Weekend	10%	28%	39%	46%	49%	48%	40%	36%	28%	22%	21%	22%	17%	11%	0%	0%	0%
13M	Midweek	17%	31%	34%	37%	39%	35%	35%	33%	29%	23%	17%	17%	14%	11%	2%	0%	0%
13M	Weekend	10%	32%	42%	50%	52%	50%	40%	38%	29%	22%	20%	19%	16%	11%	0%	0%	0%
13N	Midweek	14%	27%	32%	34%	36%	34%	36%	38%	34%	27%	21%	20%	16%	13%	2%	0%	0%
13N	Weekend	10%	30%	41%	51%	56%	55%	45%	42%	29%	19%	19%	21%	17%	10%	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 Jul 2020	Midweek					
30 Jul 2020	Midweek					
31 Jul 2020	Midweek			choppy		
01 Aug 2020	Weekend					
02 Aug 2020	Weekend	choppy				
03 Aug 2020	Weekend					
04 Aug 2020	Midweek					calm/rippled
05 Aug 2020	Midweek	calm/rippled		choppy	frequent whitecaps	
06 Aug 2020	Midweek			frequent whitecaps		
07 Aug 2020	Midweek	frequent whitecaps				calm/rippled
08 Aug 2020	Weekend	frequent whitecaps				choppy
09 Aug 2020	Weekend		frequent whitecaps			
10 Aug 2020	Midweek					
11 Aug 2020	Midweek					
12 Aug 2020	Midweek			choppy		
13 Aug 2020	Midweek	calm/rippled				
14 Aug 2020	Midweek			choppy		
15 Aug 2020	Weekend					choppy
16 Aug 2020	Weekend			choppy		
17 Aug 2020	Midweek					
18 Aug 2020	Midweek				calm/rippled	calm/rippled
19 Aug 2020	Midweek		calm/rippled			
20 Aug 2020	Midweek					
21 Aug 2020	Midweek			frequent whitecaps		calm/rippled
22 Aug 2020	Weekend			calm/rippled		choppy
23 Aug 2020	Weekend	choppy	choppy			
24 Aug 2020	Midweek					
25 Aug 2020	Midweek					
26 Aug 2020	Midweek					
27 Aug 2020	Midweek					
28 Aug 2020	Midweek			frequent whitecaps		
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	