

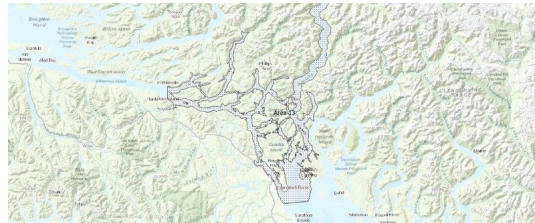
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 13 June 2021



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Saturday 5<sup>th</sup> February, 2022



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**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		Painter's
		AM	PM	AM	PM	PM	AM	MD	PM	AM	PM	MD
29 May 2021	Weekend						6					
30 May 2021	Weekend											
31 May 2021	Midweek								1			
01 Jun 2021	Midweek											
02 Jun 2021	Midweek								1			
03 Jun 2021	Midweek		13									
04 Jun 2021	Midweek											
05 Jun 2021	Weekend	4										
06 Jun 2021	Weekend				2							
07 Jun 2021	Midweek											
08 Jun 2021	Midweek											
09 Jun 2021	Midweek						3					
10 Jun 2021	Midweek	3										
11 Jun 2021	Midweek											
12 Jun 2021	Weekend											
13 Jun 2021	Weekend						2		1			
14 Jun 2021	Midweek											
15 Jun 2021	Midweek											
16 Jun 2021	Midweek		11		3							
17 Jun 2021	Midweek	9					5					
18 Jun 2021	Midweek											
19 Jun 2021	Weekend				2		6				1	2
20 Jun 2021	Weekend											
21 Jun 2021	Midweek										4	
22 Jun 2021	Midweek								6			
23 Jun 2021	Midweek						3					
24 Jun 2021	Midweek											
25 Jun 2021	Midweek	1										4
26 Jun 2021	Weekend	8			3				15			
27 Jun 2021	Weekend									1		
28 Jun 2021	Midweek											
29 Jun 2021	Midweek							2				
30 Jun 2021	Midweek			3					3			
01 Jul 2021	Weekend											1
02 Jul 2021	Midweek	7							3			
03 Jul 2021	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
29-May-2021	Saturday	choppy	9	2						
30-May-2021	Sunday		1	2						
31-May-2021	Monday	calm/rippled	2							
01-Jun-2021	Tuesday		3	3				33	1104	96
02-Jun-2021	Wednesday	calm/rippled	2				1			
03-Jun-2021	Thursday	calm/rippled	15	1						
04-Jun-2021	Friday		1	2						
05-Jun-2021	Saturday	choppy	5				1	17	1108	53
06-Jun-2021	Sunday	calm/rippled	7	4						
07-Jun-2021	Monday		1	7						
08-Jun-2021	Tuesday		1	1				16	1105	47
09-Jun-2021	Wednesday	calm/rippled	4	2						
10-Jun-2021	Thursday	choppy	4	1						
11-Jun-2021	Friday		1							
12-Jun-2021	Saturday		1							
13-Jun-2021	Sunday	frequent whitecaps	7	3				11	1056	39
14-Jun-2021	Monday		4	2						
15-Jun-2021	Tuesday		3	1						
16-Jun-2021	Wednesday	calm/rippled	17	12				45	1104	137
17-Jun-2021	Thursday	calm/rippled	19	6						
18-Jun-2021	Friday		3	1				25	1106	73
19-Jun-2021	Saturday	calm/rippled	12	3				58	1107	176
20-Jun-2021	Sunday	choppy	4	2						
21-Jun-2021	Monday	calm/rippled	6	1						
22-Jun-2021	Tuesday	calm/rippled	9	4						
23-Jun-2021	Wednesday	calm/rippled	7	1				35	1101	102
24-Jun-2021	Thursday		2							
25-Jun-2021	Friday	calm/rippled	9	5						
26-Jun-2021	Saturday	calm/rippled	36	13				75	1104	229
27-Jun-2021	Sunday	calm/rippled	5	4						
28-Jun-2021	Monday		13	14				29	1058	87
29-Jun-2021	Tuesday	calm/rippled	12	16						
30-Jun-2021	Wednesday	choppy	14	6						
01-Jul-2021	Thursday (Canada Day)	choppy	8	7						
02-Jul-2021	Friday	choppy	16	3				42	1008	135
03-Jul-2021	Saturday	choppy	12	8				45	1008	150
	Totals	calm/rippled	150	86			1	31*		90*
	Totals	choppy	77	29			1	40*		124*

\* 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	124	8	992	0.377			0.013	374			13
Midweek	90	22	1980	0.573			0.007	1135			14

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	June	4011	3378	57		16
2017	June	4970	4876	2		108
2018	June	5673	6116	3299		1
2019	June	1969	3	60		0
2020	June	952	30	20		
2021	June	2370	507	0		15
5-Yr Avg	June	3515	2881	688		31

**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	12	2%	142%	110	52%	15%	17

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	223	14%
iRec Anglers	2148	14%

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

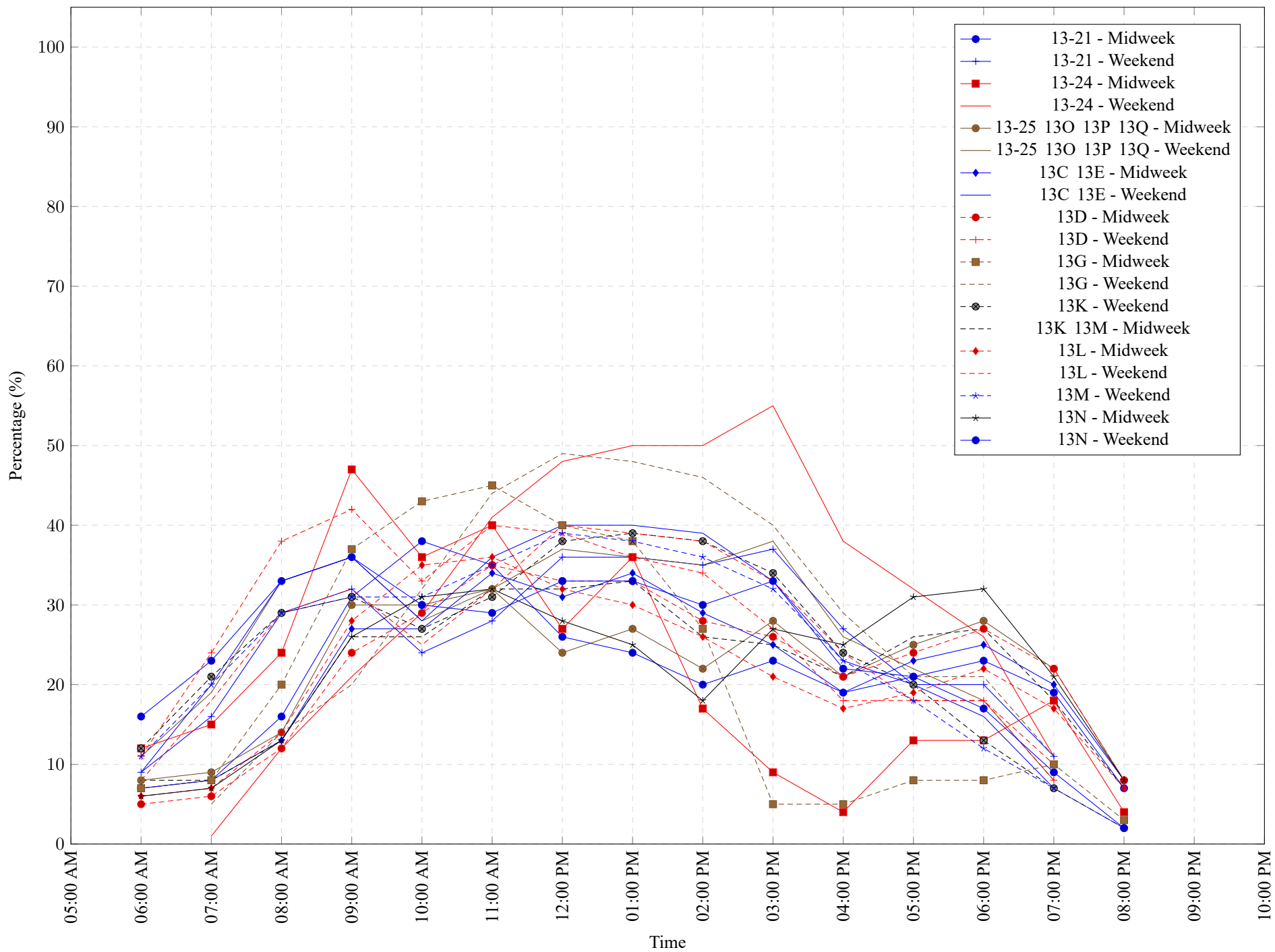


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	7:00	8:00	9:00	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
		AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
13-21	Midweek	7%	8%	16%	31%	38%	35%	26%	24%	20%	23%	19%	21%	23%	19%	7%	0%	0%
13-21	Weekend	9%	16%	29%	32%	24%	28%	36%	36%	35%	37%	27%	20%	20%	11%	0%	0%	0%
13-24	Midweek	12%	15%	24%	47%	36%	40%	27%	36%	17%	9%	4%	13%	13%	18%	4%	0%	0%
13-24	Weekend	0%	1%	12%	21%	29%	41%	48%	50%	50%	55%	38%	32%	26%	11%	0%	0%	0%
13-25 13O 13P 13Q	Midweek	8%	9%	14%	30%	30%	32%	24%	27%	22%	28%	21%	25%	28%	22%	8%	0%	0%
13-25 13O 13P 13Q	Weekend	11%	19%	33%	36%	28%	32%	37%	36%	35%	38%	26%	22%	18%	8%	0%	0%	0%
13C 13E	Midweek	7%	8%	13%	27%	27%	34%	31%	34%	29%	25%	19%	23%	25%	20%	8%	0%	0%
13C 13E	Weekend	9%	20%	33%	36%	28%	36%	40%	40%	39%	33%	23%	20%	16%	7%	0%	0%	0%
13D	Midweek	5%	6%	12%	24%	29%	35%	33%	33%	28%	26%	21%	24%	27%	22%	8%	0%	0%
13D	Weekend	11%	24%	38%	42%	33%	40%	39%	36%	34%	27%	18%	18%	18%	8%	0%	0%	0%
13G	Midweek	7%	8%	20%	37%	43%	45%	40%	38%	27%	5%	5%	8%	8%	10%	3%	0%	0%
13G	Weekend	0%	5%	14%	20%	32%	44%	49%	48%	46%	40%	29%	21%	21%	11%	0%	0%	0%
13K	Weekend	12%	21%	29%	31%	27%	31%	38%	39%	38%	34%	24%	20%	13%	7%	2%	0%	0%
13K 13M	Midweek	8%	8%	13%	26%	26%	32%	32%	33%	26%	25%	21%	26%	27%	18%	7%	0%	0%
13L	Midweek	6%	7%	14%	28%	35%	36%	32%	30%	26%	21%	17%	19%	22%	17%	7%	0%	0%
13L	Weekend	8%	18%	29%	32%	25%	32%	40%	39%	38%	33%	24%	18%	18%	10%	0%	0%	0%
13M	Weekend	11%	20%	29%	31%	31%	35%	39%	38%	36%	32%	23%	18%	12%	7%	2%	0%	0%
13N	Midweek	6%	7%	13%	26%	31%	32%	28%	25%	18%	27%	25%	31%	32%	21%	8%	0%	0%
13N	Weekend	16%	23%	33%	36%	30%	29%	33%	33%	30%	33%	22%	21%	17%	9%	2%	0%	0%

**Table 8: Daily Fishing Conditions.**

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