

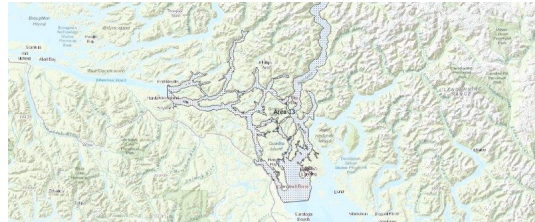
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 13 July 2022



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Thursday 19<sup>th</sup> January, 2023



Fisheries and Oceans  
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**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		Madeira	Pacific Play		Westview	
Date	Day Type	AM	PM	AM	PM	AM	PM	PM	AM	PM	PM	
28 Jun 2022	Midweek											
29 Jun 2022	Midweek											
30 Jun 2022	Midweek	5										
01 Jul 2022	Weekend					11					1	
02 Jul 2022	Weekend	5					5					
03 Jul 2022	Weekend					2						
04 Jul 2022	Midweek											
05 Jul 2022	Midweek	21										
06 Jul 2022	Midweek											
07 Jul 2022	Midweek											
08 Jul 2022	Midweek			4	7							
09 Jul 2022	Weekend	7								5		
10 Jul 2022	Weekend	7		5								
11 Jul 2022	Midweek	2										
12 Jul 2022	Midweek					1						
13 Jul 2022	Midweek	2										
14 Jul 2022	Midweek	9										
15 Jul 2022	Midweek											
16 Jul 2022	Weekend					17				5		
17 Jul 2022	Weekend			7	14		1					
18 Jul 2022	Midweek			3								
19 Jul 2022	Midweek	20				21						
20 Jul 2022	Midweek											
21 Jul 2022	Midweek							17	8			
22 Jul 2022	Midweek	23	7									
23 Jul 2022	Weekend	9										
24 Jul 2022	Weekend											
25 Jul 2022	Midweek							9				
26 Jul 2022	Midweek											
27 Jul 2022	Midweek											
28 Jul 2022	Midweek								3			
29 Jul 2022	Midweek	7				14						
30 Jul 2022	Weekend					13						
31 Jul 2022	Weekend	29										
01 Aug 2022	Weekend											
02 Aug 2022	Midweek	24										
03 Aug 2022	Midweek											

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-2022	Tuesday		9	6						
29-Jun-2022	Wednesday		16	7						
30-Jun-2022	Thursday	calm/rippled	14	3						
01-Jul-2022	Friday (Canada Day)	calm/rippled	25	7						
02-Jul-2022	Saturday	calm/rippled	21	13				51	1043	164
03-Jul-2022	Sunday	calm/rippled	14	2			1			
04-Jul-2022	Monday		6							
05-Jul-2022	Tuesday	calm/rippled	30	9				31	1128	92
06-Jul-2022	Wednesday		12	5						
07-Jul-2022	Thursday		10	3						
08-Jul-2022	Friday	calm/rippled	26	7				36	1042	111
09-Jul-2022	Saturday	calm/rippled	28	6				33	1041	100
10-Jul-2022	Sunday	calm/rippled	21	3				30	1034	93
11-Jul-2022	Monday	calm/rippled	10	1						
12-Jul-2022	Tuesday	calm/rippled	9	4						
13-Jul-2022	Wednesday	calm/rippled	13	1				13	1047	40
14-Jul-2022	Thursday	choppy	13		1					
15-Jul-2022	Friday		12	16				85	1034	268
16-Jul-2022	Saturday	choppy	42	74						
17-Jul-2022	Sunday	calm/rippled	32	47				118	1056	346
18-Jul-2022	Monday	calm/rippled	14	15						
19-Jul-2022	Tuesday	calm/rippled	46	94	2		1			
20-Jul-2022	Wednesday	calm/rippled	19	11						
21-Jul-2022	Thursday	choppy	27	41						
22-Jul-2022	Friday	choppy	45	59						
23-Jul-2022	Saturday	frequent whitecaps	35	27						
24-Jul-2022	Sunday		16	10	1					
25-Jul-2022	Monday	choppy	26	39	1			104	1005	444
26-Jul-2022	Tuesday		24	13				101	1017	452
27-Jul-2022	Wednesday		26	16	1					
28-Jul-2022	Thursday	calm/rippled	17	15				93	0959	399
29-Jul-2022	Friday	calm/rippled	39	44						
30-Jul-2022	Saturday	choppy	24	26				167	0958	516
31-Jul-2022	Sunday	frequent whitecaps	46	35						
01-Aug-2022	Monday (B.C. Day)		8	5				133	0956	412
02-Aug-2022	Tuesday	calm/rippled	36	33				57	0918	262
03-Aug-2022	Wednesday		10	4						
	Totals	calm/rippled	424	393	5		1	66*		258*
	Totals	choppy	304	250	1		1	80*		244*

\* 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	244	11	2684	0.822	0.003		0.003	2206	8		8
Midweek	258	20	5160	0.927	0.012		0.002	4783	62		10

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	July	8000	6111	408		
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
5-Yr Avg	July	7510	6819	656	0	17

**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	51	98%	8%	40	49%	10%	4
Chinook	478	6%	25%	539	10%	22%	120

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	690	16%
iRec Anglers	12452	20%

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

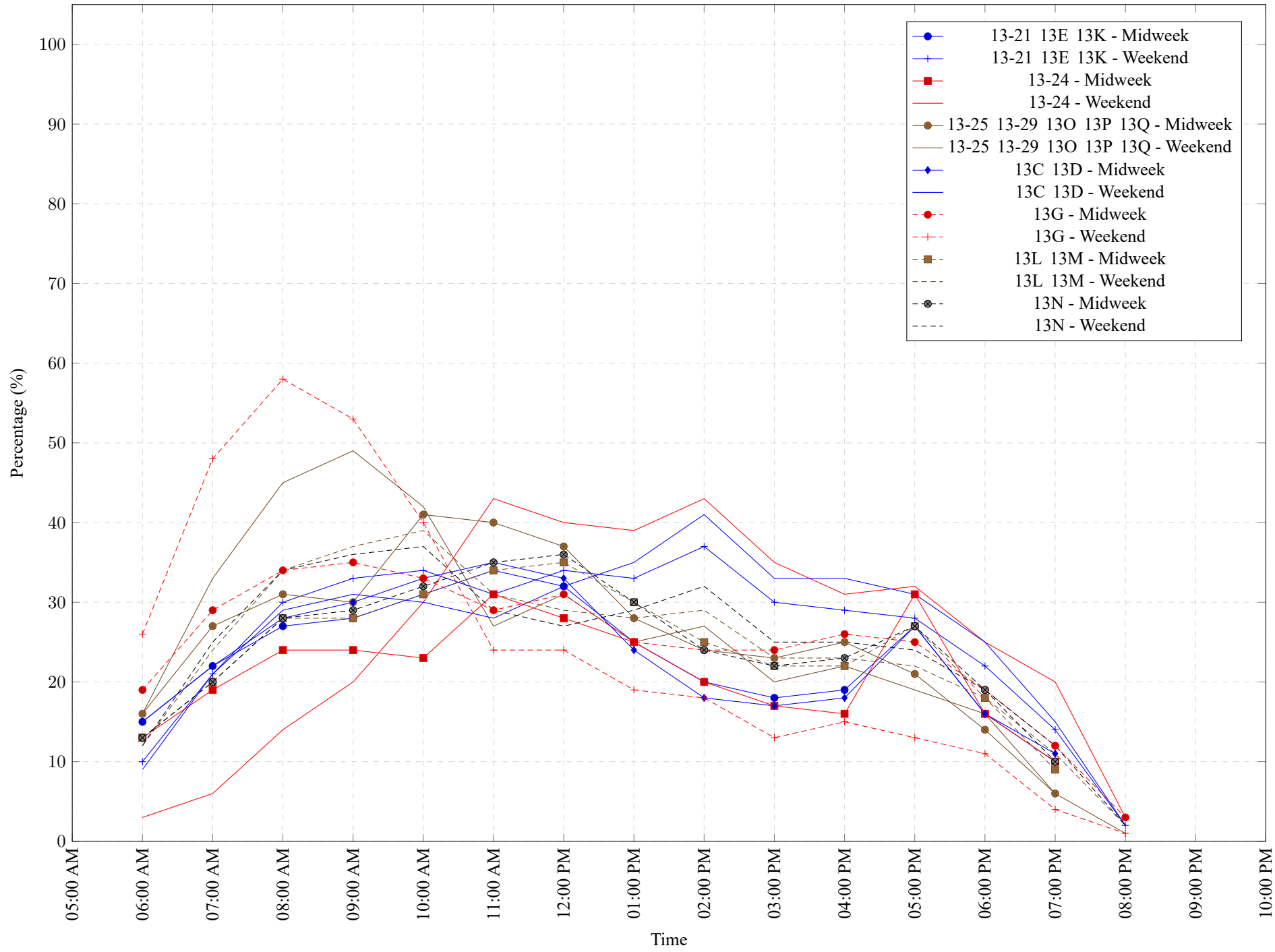


Table 7: Proportion of each day's fishing by hour.

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 13E 13K	Midweek	15%	22%	27%	28%	31%	34%	32%	25%	20%	18%	19%	27%	16%	10%	0%	0%	0%
13-21 13E 13K	Weekend	10%	21%	30%	33%	34%	31%	34%	33%	37%	30%	29%	28%	22%	14%	2%	0%	0%
13-24	Midweek	13%	19%	24%	24%	23%	31%	28%	25%	20%	17%	16%	31%	16%	10%	0%	0%	0%
13-24	Weekend	3%	6%	14%	20%	30%	43%	40%	39%	43%	35%	31%	32%	25%	20%	3%	0%	0%
13-25 13-29 13O 13P 13Q	Midweek	16%	27%	31%	30%	41%	40%	37%	28%	24%	23%	25%	21%	14%	6%	0%	0%	0%
13-25 13-29 13O 13P 13Q	Weekend	16%	33%	45%	49%	42%	27%	31%	25%	27%	20%	22%	19%	16%	6%	1%	0%	0%
13C 13D	Midweek	15%	22%	28%	30%	33%	35%	33%	24%	18%	17%	18%	27%	16%	11%	0%	0%	0%
13C 13D	Weekend	9%	21%	29%	31%	30%	28%	32%	35%	41%	33%	33%	31%	25%	15%	2%	0%	0%
13G	Midweek	19%	29%	34%	35%	33%	29%	31%	25%	24%	24%	26%	25%	19%	12%	3%	0%	0%
13G	Weekend	26%	48%	58%	53%	40%	24%	24%	19%	18%	13%	15%	13%	11%	4%	1%	0%	0%
13L 13M	Midweek	13%	20%	28%	28%	31%	34%	35%	30%	25%	22%	22%	27%	18%	9%	0%	0%	0%
13L 13M	Weekend	12%	24%	34%	37%	39%	31%	29%	28%	29%	23%	23%	22%	18%	11%	2%	0%	0%
13N	Midweek	13%	20%	28%	29%	32%	35%	36%	30%	24%	22%	23%	27%	19%	10%	0%	0%	0%
13N	Weekend	12%	25%	34%	36%	37%	29%	27%	29%	32%	25%	25%	24%	19%	12%	2%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Brown's Bay	Discovery Marina South	Madeira	Pacific Play	Westview
28 Jun 2022	Midweek						
29 Jun 2022	Midweek						
30 Jun 2022	Midweek	calm/rippled					
01 Jul 2022	Weekend		calm/rippled				calm/rippled
02 Jul 2022	Weekend	calm/rippled		calm/rippled			
03 Jul 2022	Weekend		calm/rippled				
04 Jul 2022	Midweek						
05 Jul 2022	Midweek	calm/rippled				calm/rippled	
06 Jul 2022	Midweek						
07 Jul 2022	Midweek						
08 Jul 2022	Midweek		calm/rippled	calm/rippled			
09 Jul 2022	Weekend	calm/rippled				calm/rippled	
10 Jul 2022	Weekend	calm/rippled		calm/rippled			
11 Jul 2022	Midweek					calm/rippled	
12 Jul 2022	Midweek		calm/rippled				
13 Jul 2022	Midweek	calm/rippled					
14 Jul 2022	Midweek	choppy					
15 Jul 2022	Midweek						
16 Jul 2022	Weekend			choppy		calm/rippled	
17 Jul 2022	Weekend		choppy	calm/rippled	choppy		
18 Jul 2022	Midweek		calm/rippled				
19 Jul 2022	Midweek	calm/rippled		calm/rippled			
20 Jul 2022	Midweek					calm/rippled	
21 Jul 2022	Midweek			choppy			
22 Jul 2022	Midweek	choppy	choppy				
23 Jul 2022	Weekend		frequent whitecaps				
24 Jul 2022	Weekend						
25 Jul 2022	Midweek			choppy			
26 Jul 2022	Midweek						
27 Jul 2022	Midweek						
28 Jul 2022	Midweek					calm/rippled	
29 Jul 2022	Midweek		calm/rippled	choppy			
30 Jul 2022	Weekend			choppy			
31 Jul 2022	Weekend	frequent whitecaps					
01 Aug 2022	Weekend						
02 Aug 2022	Midweek	calm/rippled					
03 Aug 2022	Midweek						