FISHERIES AND OCEANS CANADA

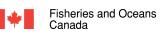
South Coast Assessment Bulletin

CREEL SURVEY DATA REVIEW PACKAGE



Prepared By: South Coast Salmon Stock Assessment Section

Friday 11th February, 2022



Pêches et Océans Canada



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

		April Point	Big Roc Ren		Brown	's Bay	Discove	ry Marina S	South	Lu	nd	Pacific	e Play	Painter's	Schooner	Westview
Date	Day Type	MD	AM	PM	AM	PM	AM	MD	PM	AM	PM	AM	PM	MD	PM	PM
29 Jul 2021	Midweek		30			2										1
30 Jul 2021	Midweek												2			
31 Jul 2021	Weekend					14						3				
01 Aug 2021	Weekend					9			28					2	1	
02 Aug 2021	Weekend								17							
03 Aug 2021	Midweek			26												
04 Aug 2021	Midweek					10							11			
05 Aug 2021	Midweek									1						
06 Aug 2021	Midweek				5				7							
07 Aug 2021	Weekend			14	8								1			
08 Aug 2021	Weekend										2			3		
09 Aug 2021	Midweek					16										
10 Aug 2021	Midweek															
11 Aug 2021	Midweek															
12 Aug 2021	Midweek		17													
13 Aug 2021	Midweek						21							7		
14 Aug 2021	Weekend		24									17				
15 Aug 2021	Weekend						17					8				
16 Aug 2021	Midweek													4		
17 Aug 2021	Midweek															
18 Aug 2021	Midweek			23					4							
19 Aug 2021	Midweek						6									
20 Aug 2021	Midweek	9			12											
21 Aug 2021	Weekend				19			21					14			
22 Aug 2021	Weekend					3										
23 Aug 2021	Midweek											1				
24 Aug 2021	Midweek		20													
25 Aug 2021	Midweek					20										
26 Aug 2021	Midweek															
27 Aug 2021	Midweek			42	11		3									
28 Aug 2021	Weekend			32					21							
29 Aug 2021	Weekend		37				12									
30 Aug 2021	Midweek								19							
31 Aug 2021	Midweek											1				
01 Sep 2021	Midweek			24	10								3			
02 Sep 2021	Midweek		15	24	13				1.4							
03 Sep 2021	Midweek		17						14							

Date	Day	Average Fishing Conditions	Interviews & Log Trips	Chinook	Coho	Sockeye	Halibut	Observed Fishing	Flight Time	Expanded Fishing
29-Jul-2021	Thursday	calm/rippled	40	27	1		1			
30-Jul-2021	Friday	calm/rippled	11	11						
31-Jul-2021	Saturday	choppy	27	15						
01-Aug-2021	Sunday	calm/rippled	56	73						
02-Aug-2021	Monday (B.C.	choppy	23	31	1			226	1006	505
	Day)									
03-Aug-2021	Tuesday	calm/rippled	33	54	1					
04-Aug-2021	Wednesday	calm/rippled	31	28						
05-Aug-2021	Thursday	choppy	10	6				203	1020	553
06-Aug-2021	Friday	calm/rippled	18	24						
07-Aug-2021	Saturday	calm/rippled	35	21				138	1056	309
08-Aug-2021	Sunday	calm/rippled	18	11				186	0957	415
09-Aug-2021	Monday	calm/rippled	28	16				148	0934	408
10-Aug-2021	Tuesday		7	10						
11-Aug-2021	Wednesday		16	15						
12-Aug-2021	Thursday	choppy	26	29						
13-Aug-2021	Friday	choppy	41	53	1			256	1005	700
14-Aug-2021	Saturday	calm/rippled	56	54	1			301	0956	666
15-Aug-2021	Sunday	calm/rippled	36	35	3					
16-Aug-2021	Monday	choppy	13	17	1					
17-Aug-2021	Tuesday	115	11	14	4					
18-Aug-2021	Wednesday	choppy	39	21	2		1	149	0948	416
19-Aug-2021	Thursday	choppy	12	16						
20-Aug-2021	Friday	calm/rippled	32	21	4	1				
21-Aug-2021	Saturday	choppy	62	47	4					
22-Aug-2021	Sunday	frequent	13	12	1			174	0956	385
0		whitecaps								
23-Aug-2021	Monday	calm/rippled	12	17	3					
24-Aug-2021	Tuesday	calm/rippled	28	28	2			182	1008	499
25-Aug-2021	Wednesday	calm/rippled	31	21	2					
26-Aug-2021	Thursday	11	5	5						
27-Aug-2021	Friday	choppy	65	25	1					
28-Aug-2021	Saturday	calm/rippled	63	38	5		1	289	0950	645
29-Aug-2021	Sunday	choppy	61	47	1					
30-Aug-2021	Monday	calm/rippled	25	23	-			115	1004	319
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	400
03-Sep-2021	Friday	calm/rippled	40	39	1					
00 00p 2021	Totals	calm/rippled	489	448	21	1	1	176*		483*
	Totals	choppy	423	369	16	-	1	219*		488*
	100010	Choppy	123	507	10		-	217		100

Table 2: Daily tally of interviews, catch and effort.

* Average number of boats Observed and Expanded

					C	PUE		Retained				
Day Type	Average	Number of	Total	Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut	
	Expanded	Days	Estimated									
	Boats		Effort									
Weekend	488	10	4880	0.872	0.038		0.002	4255	185		10	
Midweek	483	21	10143	0.916	0.043	0.002	0.002	9291	436	20	20	

Table 3: Simple area based cpue (catch per boat trip) expansion.

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	7825	8571	1421		48
2017	August	8816	9319	1302	71	
2018	August	11229	9018	1212	1708	
2019	August	7869	9527	263	0	0
2020	August	7451	7067	69	0	19
2021	August	9898	7460	227	22	30
5-Yr Avg	August	8638	8700	853	445	22

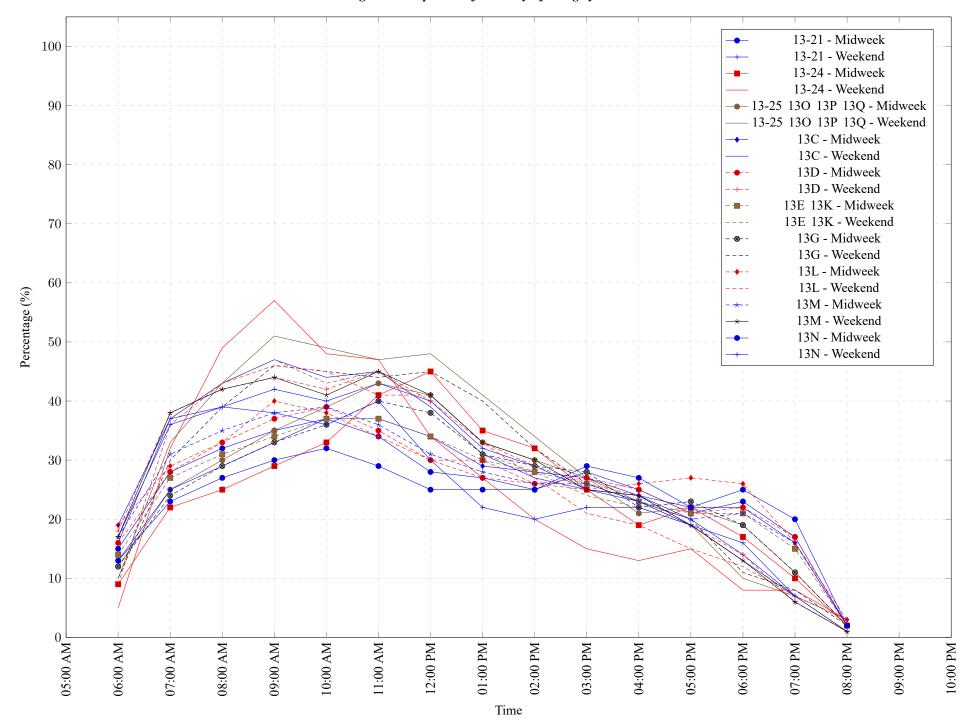
Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch	Creel I Mark Rate	Creel Submission Rate	iRec Marked Catch	iRec Mark Rate	iRec Submission Rate	Sport Head Recoveries
Coho	141	62%	18%	139	62%	19%	26
Chinook	882	13%	16%	798	14%	18%	140

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	896	17%
iRec Anglers	19500	25%

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Area 13 August 2021

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	15%	28%	32%	35%	37%	34%	28%	27%	25%	28%	25%	21%	23%	17%	2%	0%	0%
13-21	Weekend	17%	36%	39%	42%	40%	43%	40%	32%	29%	25%	24%	20%	14%	7%	1%	0%	0%
13-24	Midweek	9%	22%	25%	29%	33%	41%	45%	35%	32%	25%	19%	22%	17%	10%	2%	0%	0%
13-24	Weekend	5%	32%	49%	57%	48%	47%	34%	27%	20%	15%	13%	15%	8%	8%	3%	0%	0%
13-25 13O 13P 13Q	Midweek	12%	25%	30%	35%	39%	43%	41%	33%	30%	27%	21%	22%	19%	11%	2%	0%	0%
13-25 13O 13P 13Q	Weekend	10%	33%	43%	51%	49%	47%	48%	41%	34%	27%	23%	19%	10%	7%	3%	0%	0%
13C	Midweek	13%	25%	29%	33%	37%	37%	34%	29%	28%	27%	24%	22%	22%	16%	2%	0%	0%
13C	Weekend	16%	37%	43%	47%	44%	45%	39%	31%	27%	25%	23%	19%	13%	7%	1%	0%	0%
13D	Midweek	16%	28%	33%	37%	39%	35%	30%	27%	26%	27%	25%	21%	22%	17%	2%	0%	0%
13D	Weekend	18%	38%	42%	44%	42%	45%	40%	33%	29%	26%	24%	19%	14%	6%	1%	0%	0%
13E 13K	Midweek	14%	27%	31%	34%	37%	37%	34%	30%	28%	26%	23%	21%	21%	15%	2%	0%	0%
13E 13K	Weekend	16%	37%	43%	47%	43%	45%	39%	31%	28%	24%	22%	19%	13%	7%	1%	0%	0%
13G	Midweek	12%	24%	29%	33%	36%	40%	38%	31%	29%	28%	22%	23%	19%	11%	2%	0%	0%
13G	Weekend	10%	30%	39%	46%	45%	44%	45%	40%	32%	26%	23%	20%	11%	8%	2%	0%	0%
13L	Midweek	19%	29%	33%	40%	38%	34%	30%	30%	26%	25%	26%	27%	26%	16%	3%	0%	0%
13L	Weekend	9%	36%	43%	46%	45%	41%	41%	33%	27%	21%	19%	15%	12%	7%	3%	0%	0%
13M	Midweek	17%	31%	35%	38%	39%	36%	31%	28%	26%	26%	23%	20%	21%	16%	2%	0%	0%
13M	Weekend	17%	38%	42%	44%	41%	45%	41%	33%	30%	25%	24%	19%	13%	6%	1%	0%	0%
13N	Midweek	13%	23%	27%	30%	32%	29%	25%	25%	25%	29%	27%	22%	25%	20%	2%	0%	0%
13N	Weekend	19%	37%	39%	38%	36%	40%	30%	22%	20%	22%	22%	19%	16%	7%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	April Point	Big Rock Boat Rental	Brown's Bay	Discovery Marina South	Lund	Pacific Play	Painter's	Schooner	Westview
29 Jul 2021	Midweek		calm/rippled	calm/rippled						choppy
30 Jul 2021	Midweek		11	11			calm/rippled			11.7
31 Jul 2021	Weekend			calm/rippled			choppy			
01 Aug 2021	Weekend			frequent whitecaps	calm/rippled		117	choppy	choppy	
02 Aug 2021	Weekend				choppy					
03 Aug 2021	Midweek		calm/rippled							
04 Aug 2021	Midweek			calm/rippled			calm/rippled			
05 Aug 2021	Midweek					choppy				
06 Aug 2021	Midweek			calm/rippled	calm/rippled					
07 Aug 2021	Weekend		calm/rippled	calm/rippled			choppy			
08 Aug 2021	Weekend					choppy	117	calm/rippled		
09 Aug 2021	Midweek			calm/rippled		110				
10 Aug 2021	Midweek			11						
11 Aug 2021	Midweek									
12 Aug 2021	Midweek		choppy							
13 Aug 2021	Midweek		117		choppy			choppy		
14 Aug 2021	Weekend		calm/rippled		117		calm/rippled	112		
15 Aug 2021	Weekend				calm/rippled		calm/rippled			
16 Aug 2021	Midweek							choppy		
17 Aug 2021	Midweek							112		
18 Aug 2021	Midweek		choppy		frequent whitecaps					
19 Aug 2021	Midweek				choppy					
20 Aug 2021	Midweek	calm/rippled		choppy						
21 Aug 2021	Weekend			choppy	calm/rippled		choppy			
22 Aug 2021	Weekend			frequent whitecaps						
23 Aug 2021	Midweek						calm/rippled			
24 Aug 2021	Midweek		calm/rippled							
25 Aug 2021	Midweek			calm/rippled						
26 Aug 2021	Midweek									
27 Aug 2021	Midweek		choppy	choppy	frequent whitecaps					
28 Aug 2021	Weekend		calm/rippled		calm/rippled					
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					