

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 27 August 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Friday 15th October, 2021



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

Date	Day Type	Coal Harbour Ramp	Port Alice		Quarter- deck Marina	Winter Harbour Ramp	
		PM	AM	PM	PM	AM	PM
29 Jul 2021	Midweek			15			10
30 Jul 2021	Midweek					5	
31 Jul 2021	Weekend						13
01 Aug 2021	Weekend						
02 Aug 2021	Weekend						
03 Aug 2021	Midweek						
04 Aug 2021	Midweek				1	9	
05 Aug 2021	Midweek		5			7	
06 Aug 2021	Midweek					10	
07 Aug 2021	Weekend						15
08 Aug 2021	Weekend			16			13
09 Aug 2021	Midweek						
10 Aug 2021	Midweek						
11 Aug 2021	Midweek						7
12 Aug 2021	Midweek						11
13 Aug 2021	Midweek			21			15
14 Aug 2021	Weekend					9	
15 Aug 2021	Weekend						5
16 Aug 2021	Midweek			13			
17 Aug 2021	Midweek						
18 Aug 2021	Midweek	3					8
19 Aug 2021	Midweek					8	
20 Aug 2021	Midweek						9
21 Aug 2021	Weekend		13				8
22 Aug 2021	Weekend						6
23 Aug 2021	Midweek						
24 Aug 2021	Midweek						
25 Aug 2021	Midweek					3	
26 Aug 2021	Midweek						5
27 Aug 2021	Midweek						8
28 Aug 2021	Weekend					4	
29 Aug 2021	Weekend						2
30 Aug 2021	Midweek						
31 Aug 2021	Midweek						2
01 Sep 2021	Midweek						
02 Sep 2021	Midweek						
03 Sep 2021	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
29-Jul-2021	Thursday	calm/rippled	30	42	25		9			
30-Jul-2021	Friday	calm/rippled	12	30	15		6			
31-Jul-2021	Saturday	choppy	21	38	22					
01-Aug-2021	Sunday		13	17	12		1	43	0919	57
02-Aug-2021	Monday (B.C. Day)		11	23	12		1			
03-Aug-2021	Tuesday		12	25	7		4	28	0924	35
04-Aug-2021	Wednesday	choppy	23	29	18					
05-Aug-2021	Thursday	frequent whitecaps	21	20	22					
06-Aug-2021	Friday	choppy	16	20	29		1			
07-Aug-2021	Saturday	frequent whitecaps	24	27	22		5			
08-Aug-2021	Sunday	calm/rippled	38	33	28		1	56	0924	75
09-Aug-2021	Monday		3	8	3					
10-Aug-2021	Tuesday		6	8	1			23	0916	30
11-Aug-2021	Wednesday	frequent whitecaps	13	21	20					
12-Aug-2021	Thursday	choppy	15	16	10		1			
13-Aug-2021	Friday	calm/rippled	40	15	20		8			
14-Aug-2021	Saturday	calm/rippled	12	12	4					
15-Aug-2021	Sunday	frequent whitecaps	8	9	2					
16-Aug-2021	Monday	choppy	15	9	2					
17-Aug-2021	Tuesday		1	6	4			40	0913	51
18-Aug-2021	Wednesday	choppy	12	17	11		3			
19-Aug-2021	Thursday	choppy	10	6	1					
20-Aug-2021	Friday	choppy	12	21	10		1			
21-Aug-2021	Saturday	calm/rippled	23	22	12		9	50	0906	66
22-Aug-2021	Sunday	calm/rippled	8	3	1					
23-Aug-2021	Monday		2	4	2					
24-Aug-2021	Tuesday		2	3			1			
25-Aug-2021	Wednesday	calm/rippled	5	2	1					
26-Aug-2021	Thursday	choppy	7	1	2			18	1034	22
27-Aug-2021	Friday	choppy	9	4	4		3			
28-Aug-2021	Saturday	choppy	6	2			2			
29-Aug-2021	Sunday	choppy	5	3	3			21	0924	28
30-Aug-2021	Monday		3	10	4					
31-Aug-2021	Tuesday	calm/rippled	7	6	7		2			
01-Sep-2021	Wednesday		1							
02-Sep-2021	Thursday		2	1	2		2			
03-Sep-2021	Friday		3	2	5					
	Totals	choppy	234	251	178		24	27*		35*
	Totals	choppy	148	151	96		19	43*		57*

* 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
Midweek	35	21	735	1.073	0.761		0.103	789	559		76
Weekend	57	10	570	1.02	0.649		0.128	581	370		73

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	1760	551	3198		258
2017	August	1441	851	743	31	283
2018	August	1595	1411	2638	4	60
2019	August	1537	889	1978		92
2020	August	1678	314	1070		223
2021	August	1283	811	649		117
5-Yr Avg	August	1602	803	1925	18	183

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	333	25%
iRec Anglers	4467	22%

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

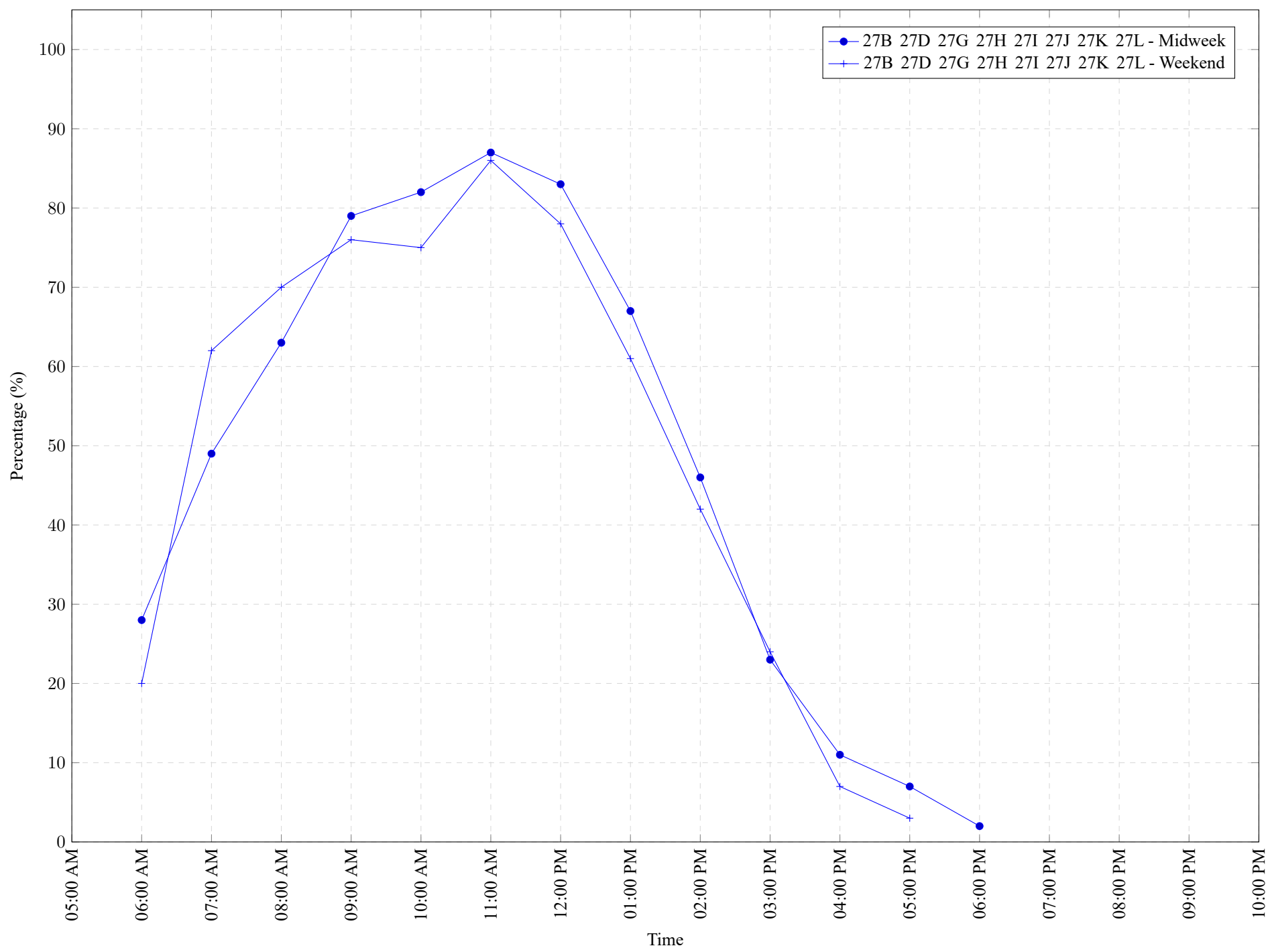


Table 7: Proportion of each day's fishing by hour.

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
27B	27D	27G	27H	27I	27J	27K	27L	Midweek	28%	49%	63%	79%	82%	87%	83%	67%	46%	23%	11%	7%	2%	0%	0%	0%	0%
27B	27D	27G	27H	27I	27J	27K	27L	Weekend	20%	62%	70%	76%	75%	86%	78%	61%	42%	24%	7%	3%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Coal Harbour Ramp	Port Alice	Quarterdeck Marina	Winter Harbour Ramp
29 Jul 2021	Midweek		calm/rippled		choppy
30 Jul 2021	Midweek				calm/rippled
31 Jul 2021	Weekend				choppy
01 Aug 2021	Weekend				
02 Aug 2021	Weekend				
03 Aug 2021	Midweek				
04 Aug 2021	Midweek			calm/rippled	choppy
05 Aug 2021	Midweek		frequent whitecaps		frequent whitecaps
06 Aug 2021	Midweek				choppy
07 Aug 2021	Weekend				frequent whitecaps
08 Aug 2021	Weekend		calm/rippled		choppy
09 Aug 2021	Midweek				
10 Aug 2021	Midweek				
11 Aug 2021	Midweek				frequent whitecaps
12 Aug 2021	Midweek				choppy
13 Aug 2021	Midweek		calm/rippled		choppy
14 Aug 2021	Weekend				calm/rippled
15 Aug 2021	Weekend				frequent whitecaps
16 Aug 2021	Midweek		choppy		
17 Aug 2021	Midweek				
18 Aug 2021	Midweek	calm/rippled			choppy
19 Aug 2021	Midweek				choppy
20 Aug 2021	Midweek				choppy
21 Aug 2021	Weekend		calm/rippled		choppy
22 Aug 2021	Weekend				calm/rippled
23 Aug 2021	Midweek				
24 Aug 2021	Midweek				
25 Aug 2021	Midweek				calm/rippled
26 Aug 2021	Midweek				choppy
27 Aug 2021	Midweek				choppy
28 Aug 2021	Weekend				choppy
29 Aug 2021	Weekend				choppy
30 Aug 2021	Midweek				
31 Aug 2021	Midweek				calm/rippled
01 Sep 2021	Midweek				
02 Sep 2021	Midweek				
03 Sep 2021	Midweek				