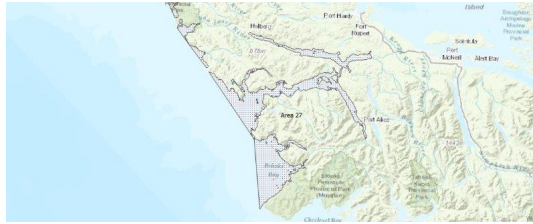


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 27 August 2020



Prepared By:
South Coast Salmon Stock Assessment Section

Wednesday 17th February, 2021



Fisheries and Oceans
Canada

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

Date	Day Type	Bear Cove	Coal Harbour Ramp		Port Alice		Quarter-deck Marina	Winter Harbour Ramp	
		PM	AM	PM	AM	PM	PM	AM	PM
29 Jul 2020	Midweek							13	
30 Jul 2020	Midweek								23
31 Jul 2020	Midweek	1							18
01 Aug 2020	Weekend							10	
02 Aug 2020	Weekend								17
03 Aug 2020	Weekend								
04 Aug 2020	Midweek								
05 Aug 2020	Midweek								20
06 Aug 2020	Midweek							16	
07 Aug 2020	Midweek								14
08 Aug 2020	Weekend							10	
09 Aug 2020	Weekend	1						15	
10 Aug 2020	Midweek								
11 Aug 2020	Midweek		4						
12 Aug 2020	Midweek								11
13 Aug 2020	Midweek								19
14 Aug 2020	Midweek							9	
15 Aug 2020	Weekend								17
16 Aug 2020	Weekend					25			10
17 Aug 2020	Midweek								
18 Aug 2020	Midweek				3				
19 Aug 2020	Midweek							12	
20 Aug 2020	Midweek							8	
21 Aug 2020	Midweek								12
22 Aug 2020	Weekend								15
23 Aug 2020	Weekend							12	
24 Aug 2020	Midweek			21					
25 Aug 2020	Midweek								
26 Aug 2020	Midweek								13
27 Aug 2020	Midweek							7	
28 Aug 2020	Midweek						1	13	
29 Aug 2020	Weekend					21		9	
30 Aug 2020	Weekend				13				6
31 Aug 2020	Midweek					8			
01 Sep 2020	Midweek								
02 Sep 2020	Midweek								
03 Sep 2020	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-2020	Wednesday	calm/rippled	14	3			3	37	0931	52
30-Jul-2020	Thursday	calm/rippled	25	20	21		3			
31-Jul-2020	Friday	frequent whitecaps	21	3	2		6			
01-Aug-2020	Saturday	choppy	10	2	7					
02-Aug-2020	Sunday	frequent whitecaps	17	1	11		1	44	0924	69
03-Aug-2020	Monday (B.C. Day)		0							
04-Aug-2020	Tuesday		0					36	1012	51
05-Aug-2020	Wednesday	frequent whitecaps	21	6	15		1			
06-Aug-2020	Thursday	choppy	18	4	5		2			
07-Aug-2020	Friday	frequent whitecaps	16	3	10					
08-Aug-2020	Saturday	choppy	12	4	6		2	59	1101	86
09-Aug-2020	Sunday	choppy	16	4	23		5			
10-Aug-2020	Monday		0							
11-Aug-2020	Tuesday	calm/rippled	4	1	2					
12-Aug-2020	Wednesday	calm/rippled	11	2	15		8	40	1050	52
13-Aug-2020	Thursday	calm/rippled	20	3	10		18			
14-Aug-2020	Friday	choppy	10	4	9		1			
15-Aug-2020	Saturday	calm/rippled	17	1	10		4			
16-Aug-2020	Sunday	calm/rippled	36	12	18		11	27	0943	42
17-Aug-2020	Monday		0							
18-Aug-2020	Tuesday	frequent whitecaps	3	3						
19-Aug-2020	Wednesday	frequent whitecaps	12	3	3					
20-Aug-2020	Thursday	frequent whitecaps	8	1	1					
21-Aug-2020	Friday	choppy	12		4					
22-Aug-2020	Saturday	choppy	15	6	9		5			
23-Aug-2020	Sunday	calm/rippled	12	1	14			48	1141	70
24-Aug-2020	Monday	calm/rippled	21		9					
25-Aug-2020	Tuesday		0					28	0943	39
26-Aug-2020	Wednesday	calm/rippled	13	3	11		3			
27-Aug-2020	Thursday	calm/rippled	7	2	14					
28-Aug-2020	Friday	calm/rippled	14		6		1	30	1127	41
29-Aug-2020	Saturday	calm/rippled	30	4	14					
30-Aug-2020	Sunday	choppy	19	6	10					
31-Aug-2020	Monday	choppy	8	2	4					
01-Sep-2020	Tuesday		0							
02-Sep-2020	Wednesday		0							
03-Sep-2020	Thursday		0							
	Totals	choppy	198	37	118		34	34*		46*
	Totals	choppy	184	41	122		28	45*		67*

* 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	67	11	737	0.2230	0.6630		0.1520	164	489		112
Midweek	46	20	920	0.1870	0.5960		0.1720	172	548		158

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	August	1041	529	2807		245
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
5-Yr Avg	August	1475	846	2273	18	188

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	34	3%	56%	184	14%	10%	19
Chinook	1	0%	1400%	30	8%	47%	14

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	480	11%
iRec Anglers	3213	17%

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

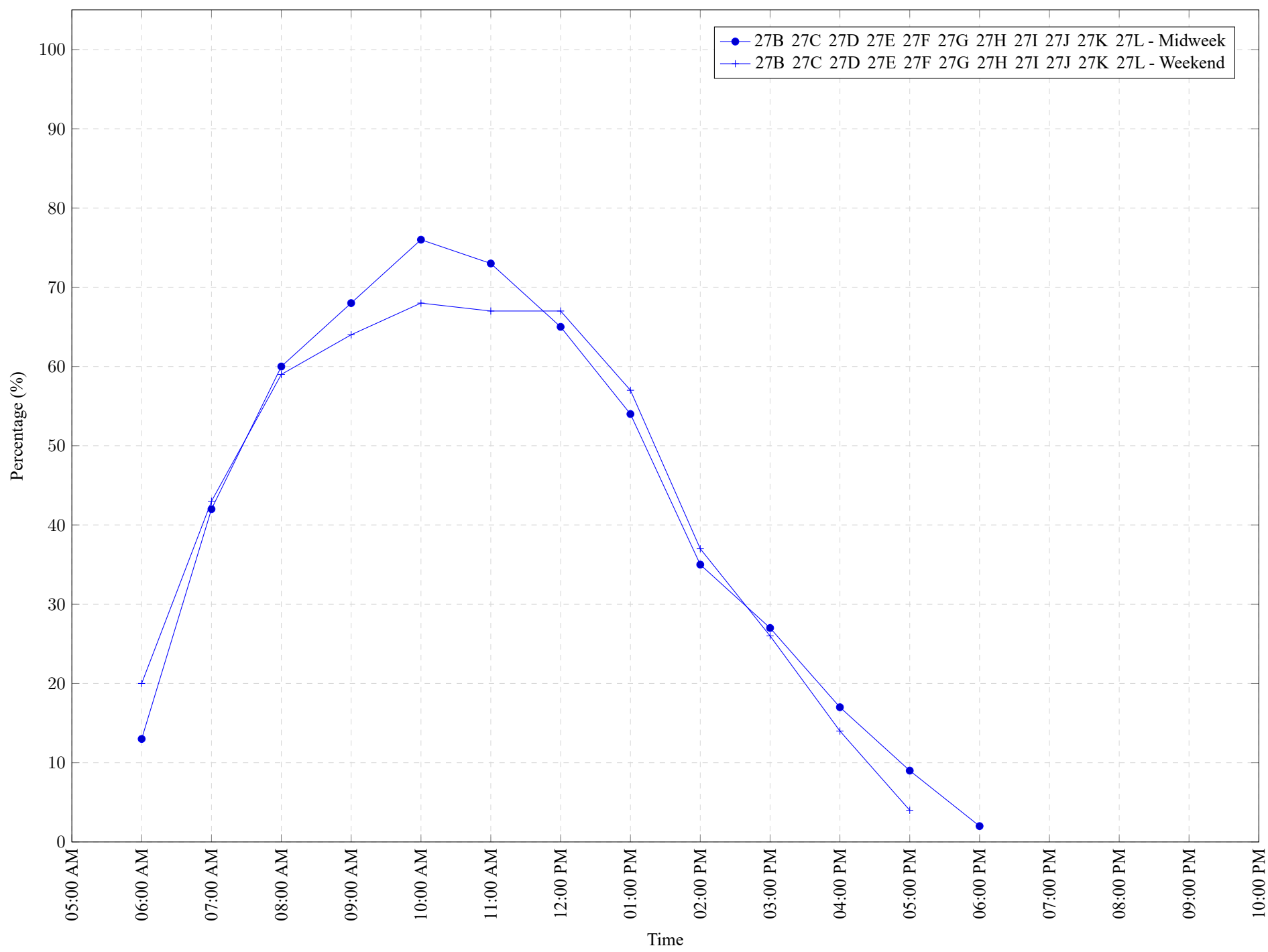


Table 7: Proportion of each day's fishing by hour.

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	27C	27D	27E	27F	27G	27H	27I	27J	27K	27L		Midweek	13%	42%	60%	68%	76%	73%	65%	54%	35%	27%	17%	9%	2%	0%	0%	0%	0%
27B	27C	27D	27E	27F	27G	27H	27I	27J	27K	27L		Weekend	20%	43%	59%	64%	68%	67%	67%	57%	37%	26%	14%	4%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Bear Cove	Coal Harbour Ramp	Port Alice	Quarterdeck Marina	Winter Harbour Ramp
29 Jul 2020	Midweek	calm/rippled				calm/rippled
30 Jul 2020	Midweek					calm/rippled
31 Jul 2020	Midweek					frequent whitecaps
01 Aug 2020	Weekend					choppy
02 Aug 2020	Weekend					frequent whitecaps
03 Aug 2020	Weekend					
04 Aug 2020	Midweek					
05 Aug 2020	Midweek					frequent whitecaps
06 Aug 2020	Midweek					choppy
07 Aug 2020	Midweek					frequent whitecaps
08 Aug 2020	Weekend					choppy
09 Aug 2020	Weekend					choppy
10 Aug 2020	Midweek	calm/rippled				
11 Aug 2020	Midweek					
12 Aug 2020	Midweek					calm/rippled
13 Aug 2020	Midweek					calm/rippled
14 Aug 2020	Midweek					choppy
15 Aug 2020	Weekend					calm/rippled
16 Aug 2020	Weekend			calm/rippled		choppy
17 Aug 2020	Midweek					
18 Aug 2020	Midweek					
19 Aug 2020	Midweek					frequent whitecaps
20 Aug 2020	Midweek					frequent whitecaps
21 Aug 2020	Midweek					choppy
22 Aug 2020	Weekend					choppy
23 Aug 2020	Weekend					calm/rippled
24 Aug 2020	Midweek					
25 Aug 2020	Midweek					
26 Aug 2020	Midweek					calm/rippled
27 Aug 2020	Midweek					calm/rippled
28 Aug 2020	Midweek				choppy	calm/rippled
29 Aug 2020	Weekend				calm/rippled	choppy
30 Aug 2020	Weekend					choppy
31 Aug 2020	Midweek					
01 Sep 2020	Midweek					
02 Sep 2020	Midweek					
03 Sep 2020	Midweek					