

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 27 August 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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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	Winter Harbour Ramp	
		AM	PM	PM	AM	PM
29 Jul 2022	Midweek			13		12
30 Jul 2022	Weekend					14
31 Jul 2022	Weekend				3	
01 Aug 2022	Weekend					
02 Aug 2022	Midweek					
03 Aug 2022	Midweek					5
04 Aug 2022	Midweek					15
05 Aug 2022	Midweek				10	
06 Aug 2022	Weekend					10
07 Aug 2022	Weekend				10	
08 Aug 2022	Midweek					
09 Aug 2022	Midweek					
10 Aug 2022	Midweek					9
11 Aug 2022	Midweek				4	
12 Aug 2022	Midweek			12		10
13 Aug 2022	Weekend	5				13
14 Aug 2022	Weekend				9	
15 Aug 2022	Midweek					
16 Aug 2022	Midweek					
17 Aug 2022	Midweek		5			3
18 Aug 2022	Midweek			14	5	
19 Aug 2022	Midweek	6				7
20 Aug 2022	Weekend					5
21 Aug 2022	Weekend				6	
22 Aug 2022	Midweek					
23 Aug 2022	Midweek					
24 Aug 2022	Midweek				5	
25 Aug 2022	Midweek					6
26 Aug 2022	Midweek			13	3	
27 Aug 2022	Weekend					2
28 Aug 2022	Weekend				2	
29 Aug 2022	Midweek					
30 Aug 2022	Midweek					
31 Aug 2022	Midweek					
01 Sep 2022	Midweek					
02 Sep 2022	Midweek					
03 Sep 2022	Weekend					

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-2022	Friday	calm/rippled	25	13	29		5			
30-Jul-2022	Saturday	choppy	16	3	20			50	0909	53
31-Jul-2022	Sunday	choppy	3	3	1		1			
01-Aug-2022	Monday (B.C. Day)		0							
02-Aug-2022	Tuesday		3	1	2			32	0947	40
03-Aug-2022	Wednesday	calm/rippled	7	2	10		5			
04-Aug-2022	Thursday	calm/rippled	15	12	25		6			
05-Aug-2022	Friday	choppy	14	12	35		3			
06-Aug-2022	Saturday	choppy	12	11	39			48	1045	53
07-Aug-2022	Sunday	choppy	10	2	18					
08-Aug-2022	Monday		0							
09-Aug-2022	Tuesday		3	1	4		3			
10-Aug-2022	Wednesday	choppy	13	7	21					
11-Aug-2022	Thursday	calm/rippled	4	1	4			28	1106	36
12-Aug-2022	Friday	calm/rippled	25	15	30		8			
13-Aug-2022	Saturday	choppy	21	12	27					
14-Aug-2022	Sunday	choppy	13	10	27					
15-Aug-2022	Monday		0							
16-Aug-2022	Tuesday		0							
17-Aug-2022	Wednesday	calm/rippled	8	9	12			25	1109	34
18-Aug-2022	Thursday	calm/rippled	19	11	20					
19-Aug-2022	Friday	choppy	13	14	31					
20-Aug-2022	Saturday	calm/rippled	7	2	6		8			
21-Aug-2022	Sunday	choppy	10	9	18			28	1121	33
22-Aug-2022	Monday		1							
23-Aug-2022	Tuesday		2	3	2					
24-Aug-2022	Wednesday	calm/rippled	8	11	4		6	42	0918	54
25-Aug-2022	Thursday	choppy	8	12	2		1			
26-Aug-2022	Friday	choppy	18	7	26		1			
27-Aug-2022	Saturday	calm/rippled	5	3	4		6			
28-Aug-2022	Sunday	calm/rippled	6	4	12		7	30	0922	33
29-Aug-2022	Monday		1	1	1					
30-Aug-2022	Tuesday		0							
31-Aug-2022	Wednesday		4	1	2		3			
01-Sep-2022	Thursday		5	1	2					
02-Sep-2022	Friday		3		9		7			
03-Sep-2022	Saturday		3	4	2					
	Totals	calm/rippled	166	120	231		36	32*		41*
	Totals	choppy	84	53	151		21	35*		40*

* 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	40	9	360	0.631	1.798		0.25	227	647		90
Midweek	41	22	902	0.723	1.392		0.217	652	1256		196

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	August	1191	828	741	31	112
2018	August	1561	1382	2576	4	59
2019	August	1414	851	1866		92
2020	August	1572	296	1053		159
2021	August	1255	651	637		114
2022	August	1310	746	1609		82
5-Yr Avg	August	1399	802	1375	18	107

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	68	5%	16%	604	28%	2%	11
Chinook	46	6%	52%	158	12%	15%	24

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	250	17%
iRec Anglers	3753	27%

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

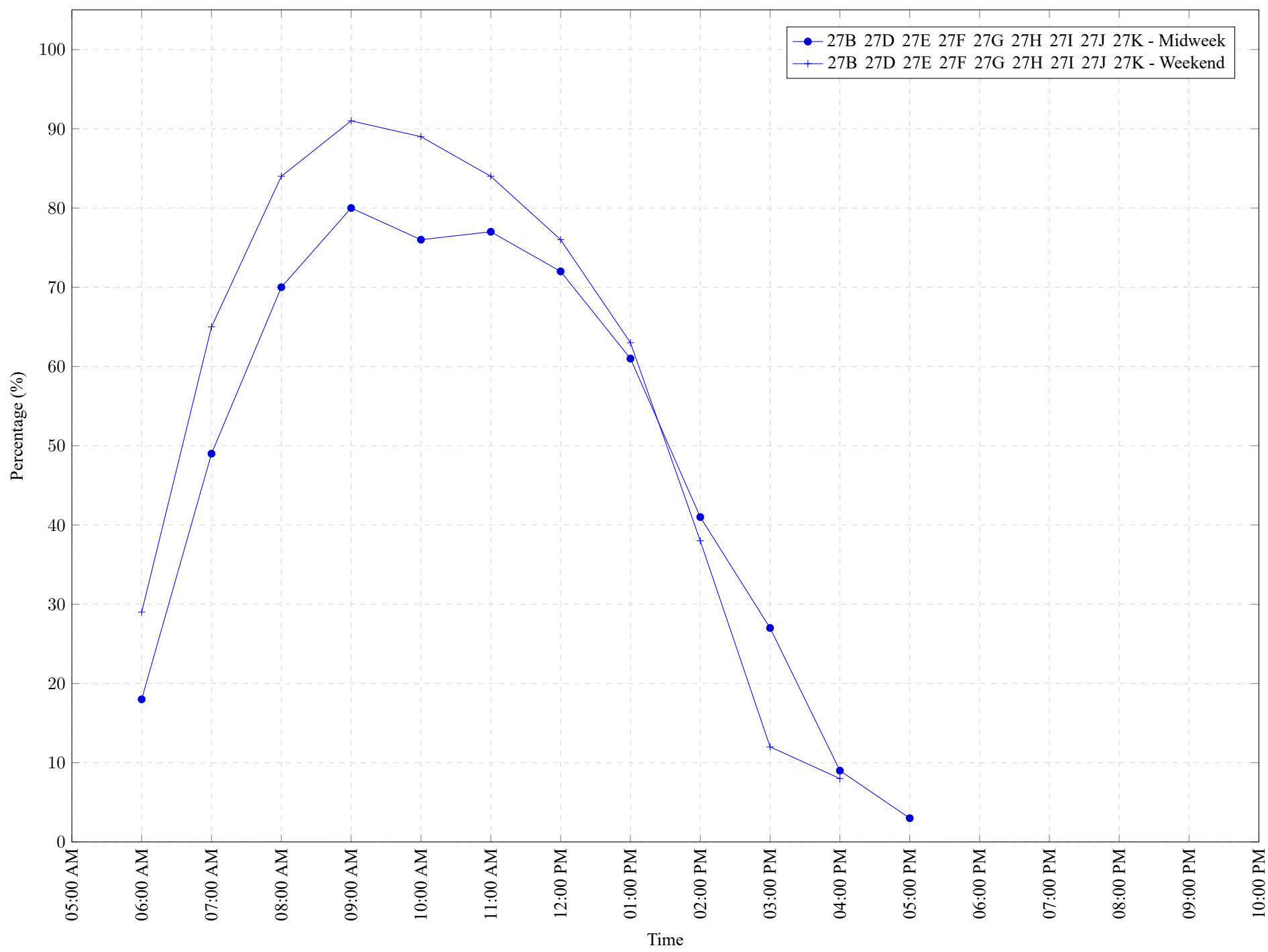


Table 7: Proportion of each day's fishing by hour.

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	27E	27F	27G	27H	27I	27J	27K		Midweek	18%	49%	70%	80%	76%	77%	72%	61%	41%	27%	9%	3%	0%	0%	0%	0%	0%
27B	27D	27E	27F	27G	27H	27I	27J	27K		Weekend	29%	65%	84%	91%	89%	84%	76%	63%	38%	12%	8%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Coal Harbour Ramp	Port Alice	Winter Harbour Ramp
29 Jul 2022	Midweek		calm/rippled	calm/rippled
30 Jul 2022	Weekend			choppy
31 Jul 2022	Weekend			choppy
01 Aug 2022	Weekend			
02 Aug 2022	Midweek			
03 Aug 2022	Midweek			calm/rippled
04 Aug 2022	Midweek			calm/rippled
05 Aug 2022	Midweek			choppy
06 Aug 2022	Weekend			choppy
07 Aug 2022	Weekend			choppy
08 Aug 2022	Midweek			
09 Aug 2022	Midweek			
10 Aug 2022	Midweek			choppy
11 Aug 2022	Midweek			calm/rippled
12 Aug 2022	Midweek		choppy	calm/rippled
13 Aug 2022	Weekend	calm/rippled		choppy
14 Aug 2022	Weekend			choppy
15 Aug 2022	Midweek			
16 Aug 2022	Midweek			
17 Aug 2022	Midweek	calm/rippled		choppy
18 Aug 2022	Midweek		calm/rippled	choppy
19 Aug 2022	Midweek	calm/rippled		choppy
20 Aug 2022	Weekend			calm/rippled
21 Aug 2022	Weekend			choppy
22 Aug 2022	Midweek			
23 Aug 2022	Midweek			
24 Aug 2022	Midweek			calm/rippled
25 Aug 2022	Midweek			choppy
26 Aug 2022	Midweek		choppy	choppy
27 Aug 2022	Weekend			calm/rippled
28 Aug 2022	Weekend			calm/rippled
29 Aug 2022	Midweek			
30 Aug 2022	Midweek			
31 Aug 2022	Midweek			
01 Sep 2022	Midweek			
02 Sep 2022	Midweek			
03 Sep 2022	Weekend			