

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 27 July 2022



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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Canada

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Canada



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	
		PM	AM	PM	AM	PM
28 Jun 2022	Midweek					
29 Jun 2022	Midweek				3	
30 Jun 2022	Midweek				5	
01 Jul 2022	Weekend					9
02 Jul 2022	Weekend				11	
03 Jul 2022	Weekend					12
04 Jul 2022	Midweek	8				
05 Jul 2022	Midweek		8			
06 Jul 2022	Midweek					
07 Jul 2022	Midweek				7	
08 Jul 2022	Midweek					13
09 Jul 2022	Weekend				9	
10 Jul 2022	Weekend					10
11 Jul 2022	Midweek					
12 Jul 2022	Midweek	5				
13 Jul 2022	Midweek					13
14 Jul 2022	Midweek					10
15 Jul 2022	Midweek				9	
16 Jul 2022	Weekend			9		9
17 Jul 2022	Weekend		6		7	
18 Jul 2022	Midweek					
19 Jul 2022	Midweek					
20 Jul 2022	Midweek				11	
21 Jul 2022	Midweek				12	
22 Jul 2022	Midweek		8			14
23 Jul 2022	Weekend				9	
24 Jul 2022	Weekend					11
25 Jul 2022	Midweek					
26 Jul 2022	Midweek					
27 Jul 2022	Midweek					12
28 Jul 2022	Midweek				8	
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

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		2	2						
29-Jun-2022	Wednesday	choppy	6	5	16			0	1149	0
30-Jun-2022	Thursday	calm/rippled	7	4	2					
01-Jul-2022	Friday (Canada Day)	choppy	13	14	2		9			
02-Jul-2022	Saturday	choppy	13	15	2		1			
03-Jul-2022	Sunday	calm/rippled	18	18	11		1			
04-Jul-2022	Monday	calm/rippled	14	21	11		4			
05-Jul-2022	Tuesday	calm/rippled	15	9	12		7			
06-Jul-2022	Wednesday		6	4	7		8	29	1011	37
07-Jul-2022	Thursday	choppy	19	13	14		3			
08-Jul-2022	Friday	calm/rippled	19	25	13		5			
09-Jul-2022	Saturday	choppy	13	14	11		11	38	1032	49
10-Jul-2022	Sunday	choppy	13	6	10		9			
11-Jul-2022	Monday		1		1					
12-Jul-2022	Tuesday	calm/rippled	9	4	7		3			
13-Jul-2022	Wednesday	choppy	17	13	36		4	35	0958	45
14-Jul-2022	Thursday	frequent whitecaps	13	21	40			0	0915	0
15-Jul-2022	Friday	choppy	16	17	52					
16-Jul-2022	Saturday	calm/rippled	27	10	48		17			
17-Jul-2022	Sunday	choppy	21	16	28		7	38	0954	53
18-Jul-2022	Monday		9	11	14		8			
19-Jul-2022	Tuesday		5	9	10		6			
20-Jul-2022	Wednesday	choppy	17	11	41		6			
21-Jul-2022	Thursday	choppy	14	8	25		7	33	0947	43
22-Jul-2022	Friday	choppy	26	14	53		5			
23-Jul-2022	Saturday	calm/rippled	11	8	19		1	47	0911	66
24-Jul-2022	Sunday	calm/rippled	14	7	21		5	0	1123	0
25-Jul-2022	Monday		0							
26-Jul-2022	Tuesday		3	1	4					
27-Jul-2022	Wednesday	calm/rippled	14	11	16		8	45	1004	58
28-Jul-2022	Thursday	calm/rippled	10	2	13		15			
29-Jul-2022	Friday	calm/rippled	25	13	29		5			
30-Jul-2022	Saturday	choppy	16	3	20			50	0909	71
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	42
03-Aug-2022	Wednesday	calm/rippled	7	2	10		5			
	Totals	choppy	252	207	398		94	28*		37*
	Totals	choppy	162	114	173		62	35*		48*

* 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	48	11	528	0.704	1.068		0.383	372	564		202
Midweek	37	20	740	0.821	1.579		0.373	608	1168		276

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	July	1045	1269	786	31	121
2018	July	1253	932	2125		188
2019	July	1196	1811	1040		123
2020	July	1238	727	556		169
2021	July	1222	1578	1418		140
2022	July	1558	1028	2458		376
5-Yr Avg	July	1191	1263	1185	31	148

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	112	5%	15%	384	20%	4%	17
Chinook	73	8%	74%	220	16%	25%	54

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	414	18%
iRec Anglers	3782	37%

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

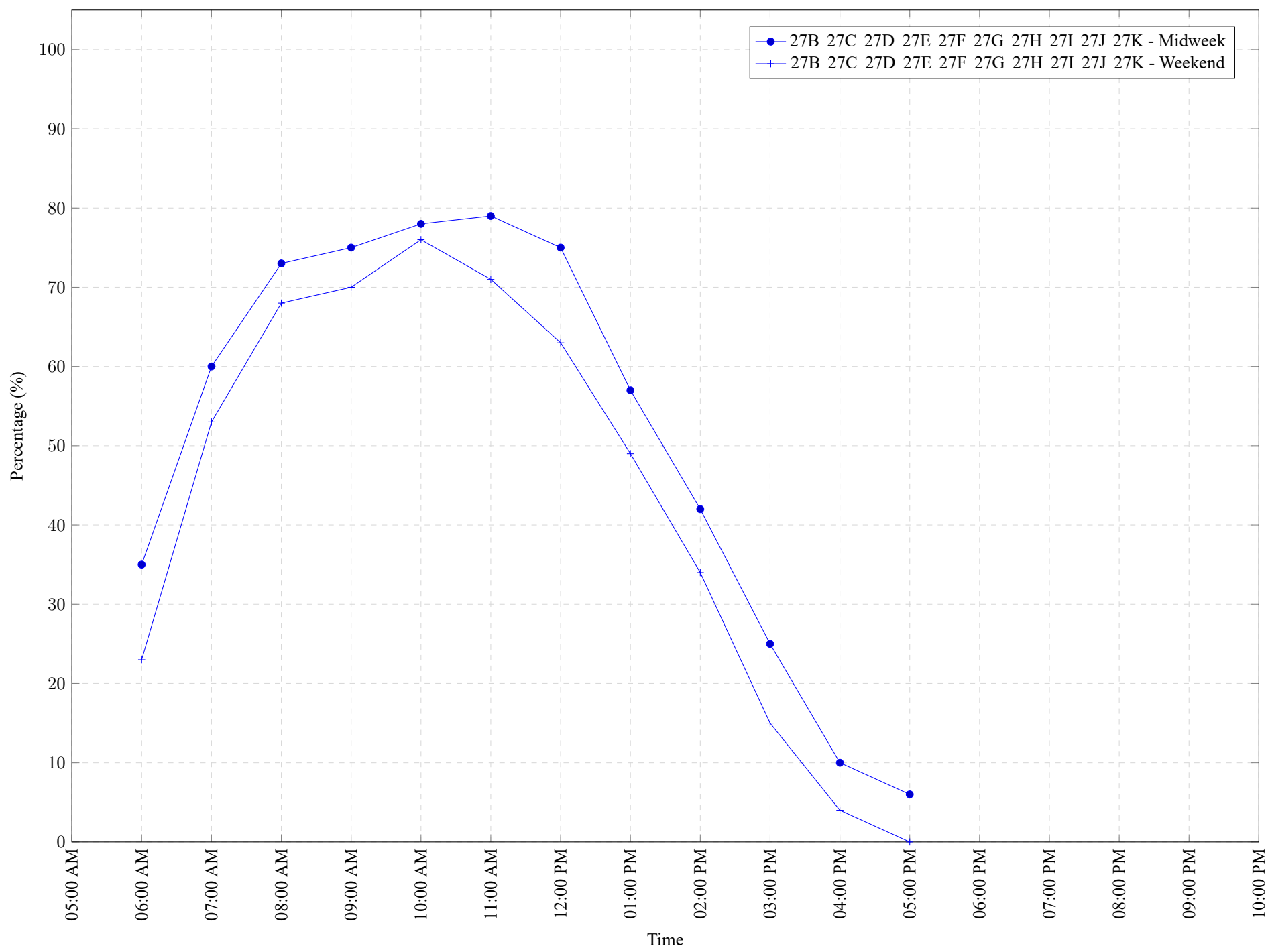


Table 7: Proportion of each day's fishing by hour.

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	Midweek				35%	60%	73%	75%	78%	79%	75%	57%	42%	25%	10%	6%	0%	0%	0%	0%	0%
27B	27C	27D	27E	27F	27G	27H	27I	27J	27K	Weekend				23%	53%	68%	70%	76%	71%	63%	49%	34%	15%	4%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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