

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 27 July 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Friday 19th January, 2024



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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	AM	PM	AM	PM
28 Jun 2023	Midweek	6					
29 Jun 2023	Midweek			7		3	
30 Jun 2023	Midweek		16				3
01 Jul 2023	Weekend			14		2	
02 Jul 2023	Weekend	9					3
03 Jul 2023	Weekend						
04 Jul 2023	Midweek						
05 Jul 2023	Midweek					4	
06 Jul 2023	Midweek				8		3
07 Jul 2023	Midweek					3	
08 Jul 2023	Weekend					4	
09 Jul 2023	Weekend						6
10 Jul 2023	Midweek						
11 Jul 2023	Midweek						
12 Jul 2023	Midweek						5
13 Jul 2023	Midweek		9			2	
14 Jul 2023	Midweek				8		5
15 Jul 2023	Weekend					3	
16 Jul 2023	Weekend					3	
17 Jul 2023	Midweek						
18 Jul 2023	Midweek						
19 Jul 2023	Midweek					7	
20 Jul 2023	Midweek						7
21 Jul 2023	Midweek				13		5
22 Jul 2023	Weekend					6	
23 Jul 2023	Weekend						4
24 Jul 2023	Midweek						
25 Jul 2023	Midweek						
26 Jul 2023	Midweek						5
27 Jul 2023	Midweek					5	
28 Jul 2023	Midweek		9				5
29 Jul 2023	Weekend					2	
30 Jul 2023	Weekend					3	
31 Jul 2023	Midweek			4			
01 Aug 2023	Midweek						
02 Aug 2023	Midweek			13		2	
03 Aug 2023	Midweek						1

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-2023	Wednesday	calm/rippled	15	17	10		4			
29-Jun-2023	Thursday	calm/rippled	14	12	7		4			
30-Jun-2023	Friday	calm/rippled	20	25	9					
01-Jul-2023	Saturday	choppy	23	56	15		2			
02-Jul-2023	Sunday	calm/rippled	20	34	18		5			
03-Jul-2023	Monday (Canada Day)		4	4			5			
04-Jul-2023	Tuesday		12	14	13		1			
05-Jul-2023	Wednesday	calm/rippled	16	42	30		3	43	0909	52
06-Jul-2023	Thursday	choppy	18	39	17		7			
07-Jul-2023	Friday	calm/rippled	7	21	8		5			
08-Jul-2023	Saturday	calm/rippled	11	20	10		3			
09-Jul-2023	Sunday	calm/rippled	10	19	3		1	49	1020	66
10-Jul-2023	Monday		1				1			
11-Jul-2023	Tuesday		4	5	2		9			
12-Jul-2023	Wednesday	calm/rippled	10	33	6			49	0926	59
13-Jul-2023	Thursday	calm/rippled	12	19	9					
14-Jul-2023	Friday	choppy	19	17	14		9			
15-Jul-2023	Saturday	calm/rippled	9	15	10		2	29	0902	35
16-Jul-2023	Sunday	calm/rippled	10	17	16		2			
17-Jul-2023	Monday		7	9	5			32	0912	38
18-Jul-2023	Tuesday		3	2	2					
19-Jul-2023	Wednesday	calm/rippled	11	18	14		9			
20-Jul-2023	Thursday	calm/rippled	14	15	18		4			
21-Jul-2023	Friday	choppy	26	48	39		19			
22-Jul-2023	Saturday	calm/rippled	12	25	20		3			
23-Jul-2023	Sunday	calm/rippled	9	1	17		4	25	0901	29
24-Jul-2023	Monday		8	14	6		3			
25-Jul-2023	Tuesday		3	6	3		4			
26-Jul-2023	Wednesday	calm/rippled	9	4	3		6	20	0934	24
27-Jul-2023	Thursday	calm/rippled	9	12	8		6			
28-Jul-2023	Friday	calm/rippled	23	20	8		13			
29-Jul-2023	Saturday	calm/rippled	8	12	11		3	23	0911	28
30-Jul-2023	Sunday	calm/rippled	10	15	12		3			
31-Jul-2023	Monday	frequent whitecaps	11	21	2					
01-Aug-2023	Tuesday		7	12	7		8			
02-Aug-2023	Wednesday	calm/rippled	18	3	31		2			
03-Aug-2023	Thursday	calm/rippled	1		9			35	1035	41
	Totals	calm/rippled	223	359	207		99	36*		43*
	Totals	calm/rippled	126	218	132		33	32*		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
Midweek	43	20	860	1.61	0.928		0.444	1385	798		382
Weekend	40	11	440	1.73	1.048		0.262	761	461		115

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2023	July	1355	2128	1195		270
5-Yr Avg	July	1293	1215	1519		199

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	127	11%	18%	509	26%	5%	23
Chinook	309	15%	27%	500	19%	17%	83

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	349	22%
iRec Anglers	4609	18%

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

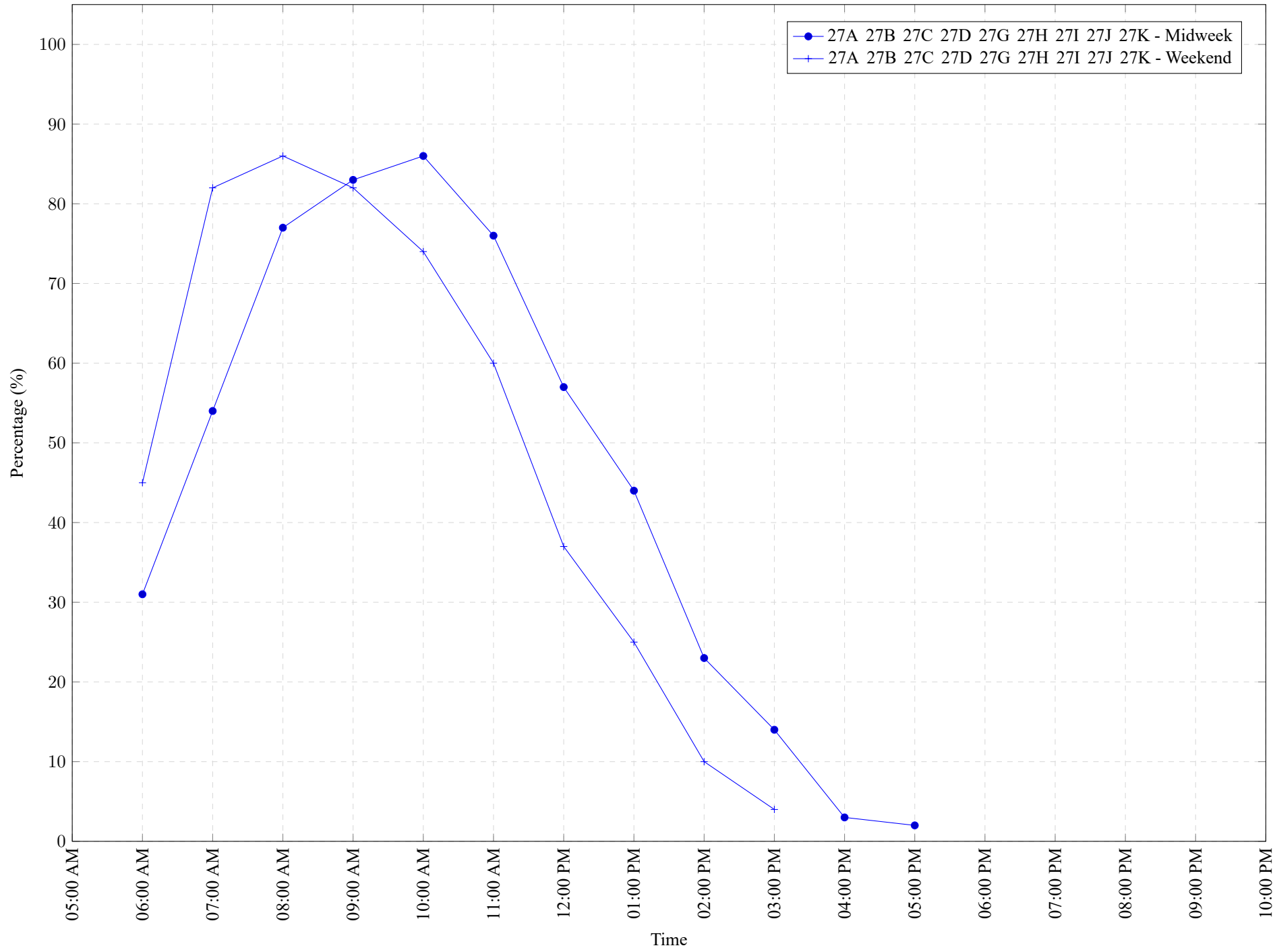


Table 7: Proportion of each day’s fishing by hour.

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
27A	27B	27C	27D	27G	27H	27I	27J	27K		Midweek	31%	54%	77%	83%	86%	76%	57%	44%	23%	14%	3%	2%	0%	0%	0%	0%	0%
27A	27B	27C	27D	27G	27H	27I	27J	27K		Weekend	45%	82%	86%	82%	74%	60%	37%	25%	10%	4%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Coal Harbour Ramp	Port Alice	Winter Harbour Ramp
28 Jun 2023	Midweek	calm/rippled		
29 Jun 2023	Midweek		calm/rippled	frequent whitecaps
30 Jun 2023	Midweek	calm/rippled		calm/rippled
01 Jul 2023	Weekend		choppy	calm/rippled
02 Jul 2023	Weekend	calm/rippled		calm/rippled
03 Jul 2023	Weekend			
04 Jul 2023	Midweek			
05 Jul 2023	Midweek			calm/rippled
06 Jul 2023	Midweek		frequent whitecaps	calm/rippled
07 Jul 2023	Midweek			calm/rippled
08 Jul 2023	Weekend			calm/rippled
09 Jul 2023	Weekend			calm/rippled
10 Jul 2023	Midweek			
11 Jul 2023	Midweek			
12 Jul 2023	Midweek			calm/rippled
13 Jul 2023	Midweek	No Data		calm/rippled
14 Jul 2023	Midweek		choppy	calm/rippled
15 Jul 2023	Weekend			calm/rippled
16 Jul 2023	Weekend			calm/rippled
17 Jul 2023	Midweek			
18 Jul 2023	Midweek			
19 Jul 2023	Midweek			calm/rippled
20 Jul 2023	Midweek			calm/rippled
21 Jul 2023	Midweek		choppy	calm/rippled
22 Jul 2023	Weekend			calm/rippled
23 Jul 2023	Weekend			calm/rippled
24 Jul 2023	Midweek			
25 Jul 2023	Midweek			
26 Jul 2023	Midweek			calm/rippled
27 Jul 2023	Midweek			calm/rippled
28 Jul 2023	Midweek	calm/rippled		calm/rippled
29 Jul 2023	Weekend			calm/rippled
30 Jul 2023	Weekend			calm/rippled
31 Jul 2023	Midweek		frequent whitecaps	
01 Aug 2023	Midweek			
02 Aug 2023	Midweek		calm/rippled	calm/rippled
03 Aug 2023	Midweek			calm/rippled