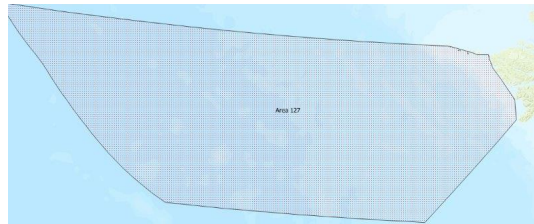


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 127 July 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 20th January, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

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	5	19	2		4			
29-Jun-2023	Thursday	frequent whitecaps	5	12						
30-Jun-2023	Friday	calm/rippled	4	5	3		6			
01-Jul-2023	Saturday	calm/rippled	5	5			9			
02-Jul-2023	Sunday	calm/rippled	3		2		3			
03-Jul-2023	Monday (Canada Day)		1							
04-Jul-2023	Tuesday		0							
05-Jul-2023	Wednesday	calm/rippled	2	4			1	4	0935	5
06-Jul-2023	Thursday	calm/rippled	3	4	4		8			
07-Jul-2023	Friday	calm/rippled	2				11			
08-Jul-2023	Saturday	calm/rippled	3	7			2			
09-Jul-2023	Sunday	calm/rippled	4				5	32	1030	43
10-Jul-2023	Monday		0							
11-Jul-2023	Tuesday		0							
12-Jul-2023	Wednesday	choppy	2					21	0945	25
13-Jul-2023	Thursday	No Data	3				8			
14-Jul-2023	Friday	choppy	9	2	1		13			
15-Jul-2023	Saturday	calm/rippled	3	7			3	45	0920	55
16-Jul-2023	Sunday	calm/rippled	4	2	2		7			
17-Jul-2023	Monday		3	1			5	25	0932	30
18-Jul-2023	Tuesday		1				2			
19-Jul-2023	Wednesday	calm/rippled	3	7						
20-Jul-2023	Thursday	calm/rippled	4				10			
21-Jul-2023	Friday	choppy	5	12	4		5			
22-Jul-2023	Saturday		0							
23-Jul-2023	Sunday	calm/rippled	4	10	1		7	47	0918	57
24-Jul-2023	Monday		0							
25-Jul-2023	Tuesday		0							
26-Jul-2023	Wednesday	calm/rippled	4					41	0933	49
27-Jul-2023	Thursday	calm/rippled	4				5			
28-Jul-2023	Friday	calm/rippled	4	16	4		2			
29-Jul-2023	Saturday	calm/rippled	4	15			2	34	0928	41
30-Jul-2023	Sunday		1							
31-Jul-2023	Monday		3	6			2			
01-Aug-2023	Tuesday		3	1	7					
02-Aug-2023	Wednesday	calm/rippled	9	24	5		3			
03-Aug-2023	Thursday	calm/rippled	5	6			7	27	1051	32
	Totals	calm/rippled	52	52	13		72	23*		27*
	Totals	calm/rippled	32	46	5		38	40*		49*

* 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	49	11	539	1.438	0.156		1.188	775	84		640
Midweek	27	20	540	1	0.25		1.385	540	135		748

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	July	677	760	372		648
2019	July	762	675	445		479
2020	July	800	521	243	0	491
2021	July	417	196	241		560
2022	July	785	1296	225		835
2023	July	1093	1493	246		1720
5-Yr Avg	July	688	690	305	0	603

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	63	35%	6%	280	64%	1%	4
Chinook	196	16%	7%	87	9%	15%	13

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	76	22%
iRec Anglers	1148	54%

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

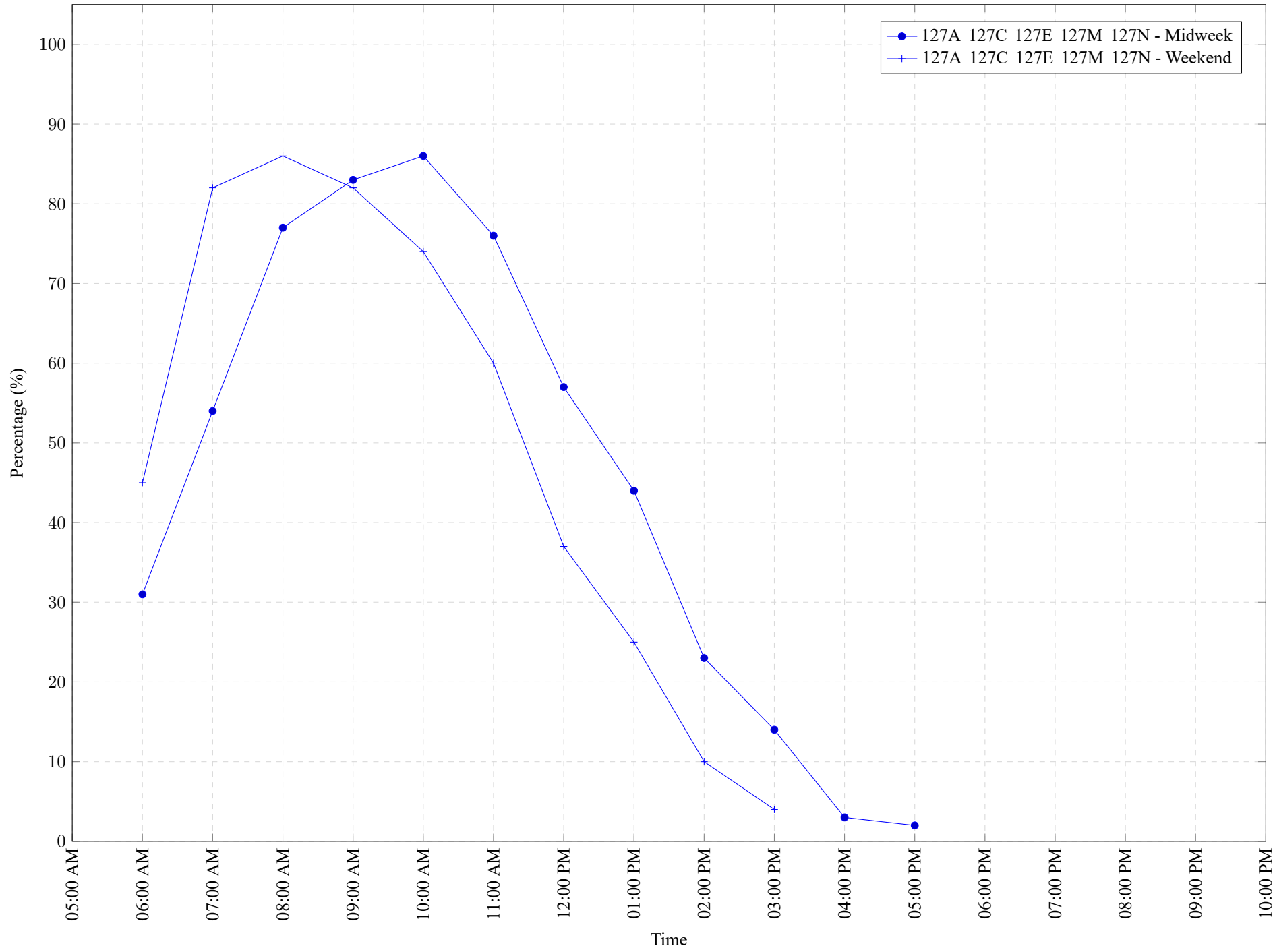


Table 7: Proportion of each day’s fishing by hour.

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
127A	127C	127E	127M	127N		Midweek	31%	54%	77%	83%	86%	76%	57%	44%	23%	14%	3%	2%	0%	0%	0%	0%	0%
127A	127C	127E	127M	127N		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	Quarterdeck Marina	Winter Harbour Ramp
28 Jun 2023	Midweek	calm/rippled			
29 Jun 2023	Midweek				frequent whitecaps
30 Jun 2023	Midweek				calm/rippled
01 Jul 2023	Weekend		choppy		calm/rippled
02 Jul 2023	Weekend				calm/rippled
03 Jul 2023	Weekend				
04 Jul 2023	Midweek				
05 Jul 2023	Midweek				calm/rippled
06 Jul 2023	Midweek				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				
13 Jul 2023	Midweek	No Data		choppy	
14 Jul 2023	Midweek				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				calm/rippled
22 Jul 2023	Weekend		choppy		
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
29 Jul 2023	Weekend				calm/rippled
30 Jul 2023	Weekend				
31 Jul 2023	Midweek				
01 Aug 2023	Midweek				
02 Aug 2023	Midweek				calm/rippled
03 Aug 2023	Midweek		calm/rippled		calm/rippled