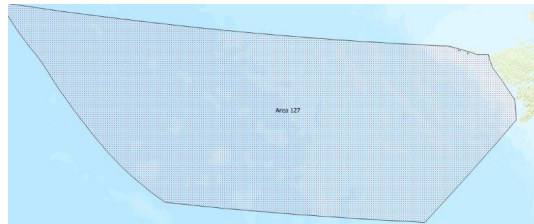


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 127 August 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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	Winter Harbour Ramp	
		AM	PM	PM	AM	PM
29 Jul 2022	Midweek					13
30 Jul 2022	Weekend					7
31 Jul 2022	Weekend				3	
01 Aug 2022	Weekend					
02 Aug 2022	Midweek					
03 Aug 2022	Midweek					16
04 Aug 2022	Midweek					11
05 Aug 2022	Midweek				5	
06 Aug 2022	Weekend					6
07 Aug 2022	Weekend				8	
08 Aug 2022	Midweek					
09 Aug 2022	Midweek					
10 Aug 2022	Midweek					4
11 Aug 2022	Midweek				3	
12 Aug 2022	Midweek			6		9
13 Aug 2022	Weekend	1				5
14 Aug 2022	Weekend				1	
15 Aug 2022	Midweek					
16 Aug 2022	Midweek					
17 Aug 2022	Midweek		1			4
18 Aug 2022	Midweek				2	
19 Aug 2022	Midweek					7
20 Aug 2022	Weekend					12
21 Aug 2022	Weekend				2	
22 Aug 2022	Midweek					
23 Aug 2022	Midweek					
24 Aug 2022	Midweek				3	
25 Aug 2022	Midweek					
26 Aug 2022	Midweek				3	
27 Aug 2022	Weekend					2
28 Aug 2022	Weekend					
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	13	29	2		5			
30-Jul-2022	Saturday	choppy	7	29	4		1	22	0932	24
31-Jul-2022	Sunday	choppy	3	7	1		5			
01-Aug-2022	Monday (B.C. Day)		0							
02-Aug-2022	Tuesday		1				3	13	1008	17
03-Aug-2022	Wednesday	calm/rippled	16	22	11		13			
04-Aug-2022	Thursday	calm/rippled	11	7	4		8			
05-Aug-2022	Friday	choppy	5	5			1			
06-Aug-2022	Saturday	choppy	8				14	15	1105	17
07-Aug-2022	Sunday	choppy	9	7			16			
08-Aug-2022	Monday		0							
09-Aug-2022	Tuesday		0							
10-Aug-2022	Wednesday	choppy	4				14			
11-Aug-2022	Thursday	calm/rippled	4				5	37	1122	49
12-Aug-2022	Friday	calm/rippled	15	9	5		11			
13-Aug-2022	Saturday	choppy	6				2			
14-Aug-2022	Sunday	choppy	1	3						
15-Aug-2022	Monday		0							
16-Aug-2022	Tuesday		0							
17-Aug-2022	Wednesday	choppy	5		1		4	15	1057	20
18-Aug-2022	Thursday	choppy	2							
19-Aug-2022	Friday	choppy	7	29	3		10			
20-Aug-2022	Saturday	calm/rippled	12	4	1		18			
21-Aug-2022	Sunday	choppy	3	10			4	2	1134	2
22-Aug-2022	Monday		0							
23-Aug-2022	Tuesday		0							
24-Aug-2022	Wednesday	calm/rippled	3	4			3	19	0930	24
25-Aug-2022	Thursday		0							
26-Aug-2022	Friday	choppy	3	6			1			
27-Aug-2022	Saturday	calm/rippled	2				4			
28-Aug-2022	Sunday		0					11	0937	12
29-Aug-2022	Monday		0							
30-Aug-2022	Tuesday		2							
31-Aug-2022	Wednesday		0							
01-Sep-2022	Thursday		0							
02-Sep-2022	Friday		0							
03-Sep-2022	Saturday		0							
	Totals	choppy	78	82	24		73	21*		28*
	Totals	choppy	41	24	1		58	9*		10*

* 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	10	9	90	0.585	0.024		1.415	53	2		127
Midweek	28	22	616	1.051	0.308		0.936	647	190		577

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	August	532	427	41	29	362
2018	August	566	481	249	0	366
2019	August	586	708	192		230
2020	August	480	107	59		348
2021	August	463	156	96		635
2022	August	702	842	153		610
5-Yr Avg	August	525	376	127	15	388

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
Chinook	99	13%	3%	251	39%	1%	3

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	114	37%
iRec Anglers	1591	52%

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

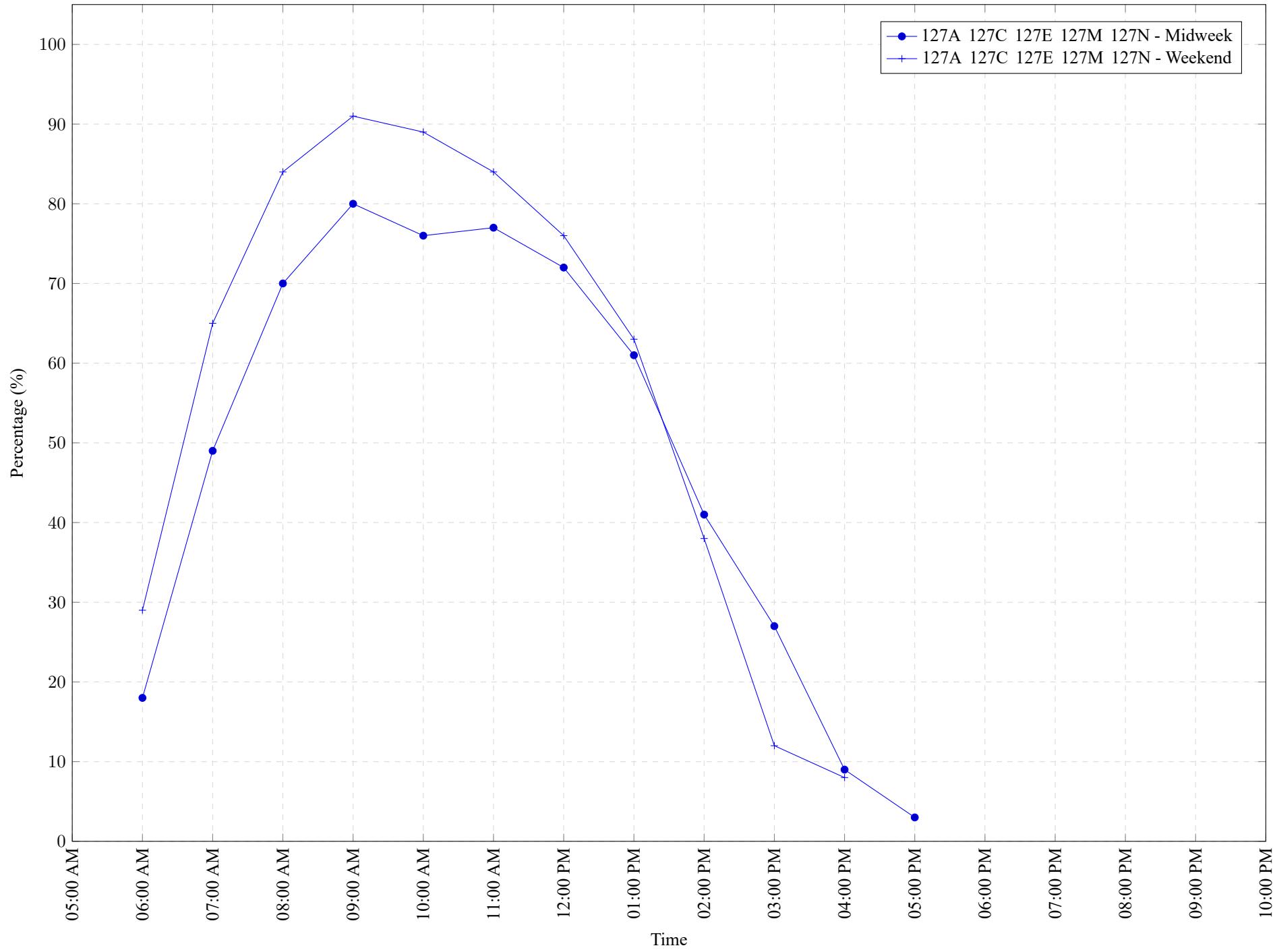


Table 7: Proportion of each day's fishing by hour.

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	18%	49%	70%	80%	76%	77%	72%	61%	41%	27%	9%	3%	0%	0%	0%	0%	0%
127A	127C	127E	127M	127N	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
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			choppy
19 Aug 2022	Midweek			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			
26 Aug 2022	Midweek			choppy
27 Aug 2022	Weekend			calm/rippled
28 Aug 2022	Weekend			
29 Aug 2022	Midweek			
30 Aug 2022	Midweek			
31 Aug 2022	Midweek			
01 Sep 2022	Midweek			
02 Sep 2022	Midweek			
03 Sep 2022	Weekend			