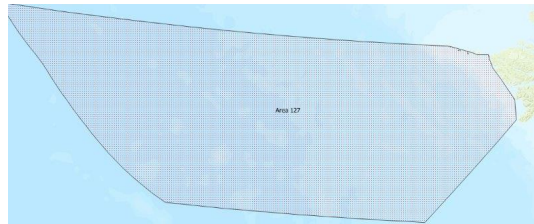


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 127 July 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	
		PM	PM	AM	PM
28 Jun 2022	Midweek				
29 Jun 2022	Midweek			4	
30 Jun 2022	Midweek			5	
01 Jul 2022	Weekend				8
02 Jul 2022	Weekend			11	
03 Jul 2022	Weekend				8
04 Jul 2022	Midweek	1			
05 Jul 2022	Midweek				
06 Jul 2022	Midweek				
07 Jul 2022	Midweek			3	
08 Jul 2022	Midweek				8
09 Jul 2022	Weekend				
10 Jul 2022	Weekend				4
11 Jul 2022	Midweek				
12 Jul 2022	Midweek				
13 Jul 2022	Midweek				5
14 Jul 2022	Midweek				
15 Jul 2022	Midweek				
16 Jul 2022	Weekend		6		10
17 Jul 2022	Weekend			8	
18 Jul 2022	Midweek				
19 Jul 2022	Midweek				
20 Jul 2022	Midweek			2	
21 Jul 2022	Midweek			4	
22 Jul 2022	Midweek				9
23 Jul 2022	Weekend			3	
24 Jul 2022	Weekend				3
25 Jul 2022	Midweek				
26 Jul 2022	Midweek				
27 Jul 2022	Midweek				12
28 Jul 2022	Midweek			2	
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

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		1				1			
29-Jun-2022	Wednesday	choppy	6		1		5			
30-Jun-2022	Thursday	calm/rippled	7				8			
01-Jul-2022	Friday (Canada Day)	choppy	11		2		25			
02-Jul-2022	Saturday	choppy	11	3	8		2			
03-Jul-2022	Sunday	calm/rippled	10				12			
04-Jul-2022	Monday	calm/rippled	2				1			
05-Jul-2022	Tuesday		4	6			12			
06-Jul-2022	Wednesday		3	8	5		2	21	0946	27
07-Jul-2022	Thursday	choppy	8	8	3		11			
08-Jul-2022	Friday	calm/rippled	8	11			9			
09-Jul-2022	Saturday		2				1	34	1037	45
10-Jul-2022	Sunday	choppy	5	3	2		3			
11-Jul-2022	Monday		0							
12-Jul-2022	Tuesday		2				5			
13-Jul-2022	Wednesday	choppy	7	10			13	8	0949	10
14-Jul-2022	Thursday		0							
15-Jul-2022	Friday		2		1					
16-Jul-2022	Saturday	calm/rippled	18	39	9		42			
17-Jul-2022	Sunday	choppy	9	14	6		12	14	1012	19
18-Jul-2022	Monday		0							
19-Jul-2022	Tuesday		2				4			
20-Jul-2022	Wednesday	choppy	4				7			
21-Jul-2022	Thursday	choppy	6	7	1		2	16	0939	21
22-Jul-2022	Friday	choppy	10	13	2		6			
23-Jul-2022	Saturday	calm/rippled	3	2				22	0927	31
24-Jul-2022	Sunday	calm/rippled	3	11	1					
25-Jul-2022	Monday		0							
26-Jul-2022	Tuesday		0							
27-Jul-2022	Wednesday	calm/rippled	13	30	3		25	25	1021	32
28-Jul-2022	Thursday	calm/rippled	6	20			5			
29-Jul-2022	Friday	calm/rippled	13	29	2		5			
30-Jul-2022	Saturday	choppy	7	29	4		1	22	0932	31
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			
	Totals	choppy	90	142	17		107	18*		23*
	Totals	choppy	82	108	33		103	23*		32*

* 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	23	20	460	1.578	0.189		1.189	726	87		547
Weekend	32	11	352	1.317	0.402		1.256	464	142		442

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	July	964	1908	447	85	614
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
5-Yr Avg	July	724	812	350	43	558

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	111	52%	1%	357	58%	0%	1
Chinook	107	9%	7%	217	29%	3%	7

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	159	31%
iRec Anglers	1638	54%

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

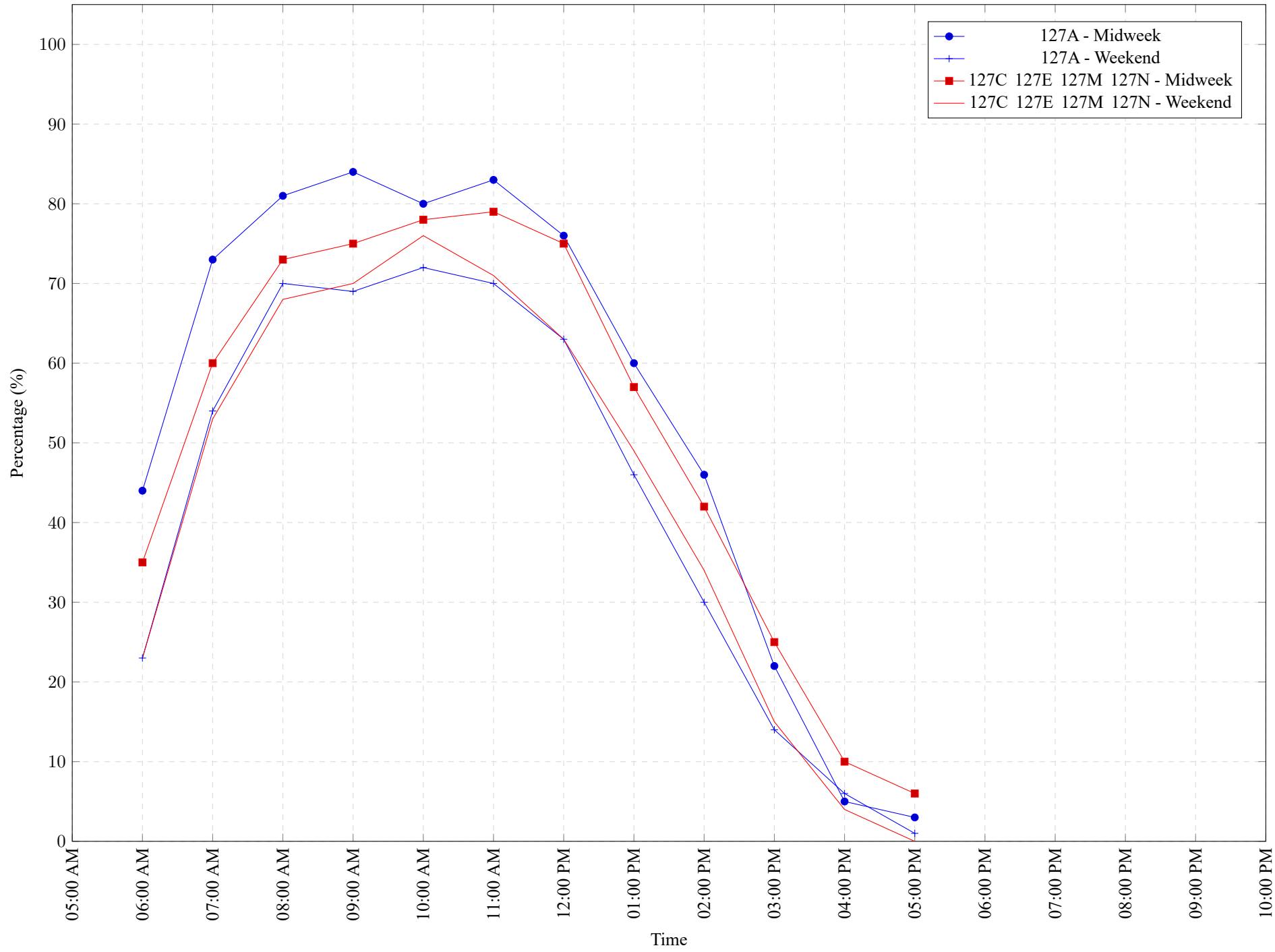


Table 7: Proportion of each day's fishing by hour.

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				Midweek	44%	73%	81%	84%	80%	83%	76%	60%	46%	22%	5%	3%	0%	0%	0%	0%	0%
127A				Weekend	23%	54%	70%	69%	72%	70%	63%	46%	30%	14%	6%	1%	0%	0%	0%	0%	0%
127C	127E	127M	127N	Midweek	35%	60%	73%	75%	78%	79%	75%	57%	42%	25%	10%	6%	0%	0%	0%	0%	0%
127C	127E	127M	127N	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			
06 Jul 2022	Midweek			
07 Jul 2022	Midweek			choppy
08 Jul 2022	Midweek			calm/rippled
09 Jul 2022	Weekend			
10 Jul 2022	Weekend			choppy
11 Jul 2022	Midweek			
12 Jul 2022	Midweek			
13 Jul 2022	Midweek			choppy
14 Jul 2022	Midweek			
15 Jul 2022	Midweek			
16 Jul 2022	Weekend		calm/rippled	calm/rippled
17 Jul 2022	Weekend			choppy
18 Jul 2022	Midweek			
19 Jul 2022	Midweek			
20 Jul 2022	Midweek			choppy
21 Jul 2022	Midweek			choppy
22 Jul 2022	Midweek			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
30 Jul 2022	Weekend			choppy
31 Jul 2022	Weekend			choppy
01 Aug 2022	Weekend			
02 Aug 2022	Midweek			
03 Aug 2022	Midweek			calm/rippled