

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 28 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.

		Egmont		Gibson's Marina		McDon- ald Beach		Planetarium		Sewell's West		Squamish Boat Launch		Thunderbird Marina	
Date	Day Type	AM		AM	PM	PM		AM	PM	AM	PM	AM	PM	AM	PM
28 Jun 2022	Midweek										2				
29 Jun 2022	Midweek									2					
30 Jun 2022	Midweek							5							
01 Jul 2022	Weekend			1											
02 Jul 2022	Weekend														
03 Jul 2022	Weekend									1					
04 Jul 2022	Midweek														
05 Jul 2022	Midweek														
06 Jul 2022	Midweek														
07 Jul 2022	Midweek													1	
08 Jul 2022	Midweek					1									
09 Jul 2022	Weekend					6									
10 Jul 2022	Weekend							5							
11 Jul 2022	Midweek														
12 Jul 2022	Midweek				1										
13 Jul 2022	Midweek														
14 Jul 2022	Midweek									3					
15 Jul 2022	Midweek							1							
16 Jul 2022	Weekend														
17 Jul 2022	Weekend							2		2					
18 Jul 2022	Midweek			1											
19 Jul 2022	Midweek					1									
20 Jul 2022	Midweek							1							
21 Jul 2022	Midweek														
22 Jul 2022	Midweek									6					
23 Jul 2022	Weekend														
24 Jul 2022	Weekend											3			
25 Jul 2022	Midweek														
26 Jul 2022	Midweek									1					
27 Jul 2022	Midweek											1			
28 Jul 2022	Midweek														
29 Jul 2022	Midweek							1							
30 Jul 2022	Weekend							1							3
31 Jul 2022	Weekend									1					
01 Aug 2022	Weekend														
02 Aug 2022	Midweek	1						1							
03 Aug 2022	Midweek				1							2			

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	choppy	3							
29-Jun-2022	Wednesday	choppy	2							
30-Jun-2022	Thursday	choppy	8							
01-Jul-2022	Friday (Canada Day)	choppy	1							
02-Jul-2022	Saturday		2					18	1224	31
03-Jul-2022	Sunday	calm/rippled	3							
04-Jul-2022	Monday		0							
05-Jul-2022	Tuesday		0					6	1135	10
06-Jul-2022	Wednesday		0							
07-Jul-2022	Thursday	calm/rippled	3							
08-Jul-2022	Friday	calm/rippled	3		2			17	1313	72
09-Jul-2022	Saturday	calm/rippled	8	1				6	1239	10
10-Jul-2022	Sunday	calm/rippled	6					13	1226	23
11-Jul-2022	Monday		1							
12-Jul-2022	Tuesday	choppy	1							
13-Jul-2022	Wednesday		0					3	1231	6
14-Jul-2022	Thursday	calm/rippled	3							
15-Jul-2022	Friday	calm/rippled	2					10	1227	20
16-Jul-2022	Saturday		0							
17-Jul-2022	Sunday	choppy	4					8	1314	15
18-Jul-2022	Monday	choppy	1							
19-Jul-2022	Tuesday	calm/rippled	2					5	1218	10
20-Jul-2022	Wednesday	calm/rippled	1							
21-Jul-2022	Thursday		0							
22-Jul-2022	Friday	choppy	6		1					
23-Jul-2022	Saturday		1							
24-Jul-2022	Sunday	calm/rippled	3					26	1141	50
25-Jul-2022	Monday		1		1					
26-Jul-2022	Tuesday	calm/rippled	1					12	1221	24
27-Jul-2022	Wednesday	choppy	1							
28-Jul-2022	Thursday		0							
29-Jul-2022	Friday	calm/rippled	1							
30-Jul-2022	Saturday	calm/rippled	4					24	1234	42
31-Jul-2022	Sunday	calm/rippled	3							
01-Aug-2022	Monday (B.C. Day)		0					56	1217	98
02-Aug-2022	Tuesday	calm/rippled	2		1			9	1217	18
03-Aug-2022	Wednesday	choppy	3							
	Totals	calm/rippled	27		4			9*		24*
	Totals	calm/rippled	35	1				16*		29*

* 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	29	11	319	0.029				9			
Midweek	24	20	480		0.148				71		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	July	1443	130	7		
2018	July	1674		185		
2019	July	939	90	108		0
2020	July	813	0	151		0
2021	July	708	23	82		0
2022	July	737	21	17		0
5-Yr Avg	July	1115	61	107		0

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	17	100%	18%	129	88%	2%	3
Chinook	21	100%	5%	8	80%	13%	1

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	62	27%
iRec Anglers	1690	30%

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

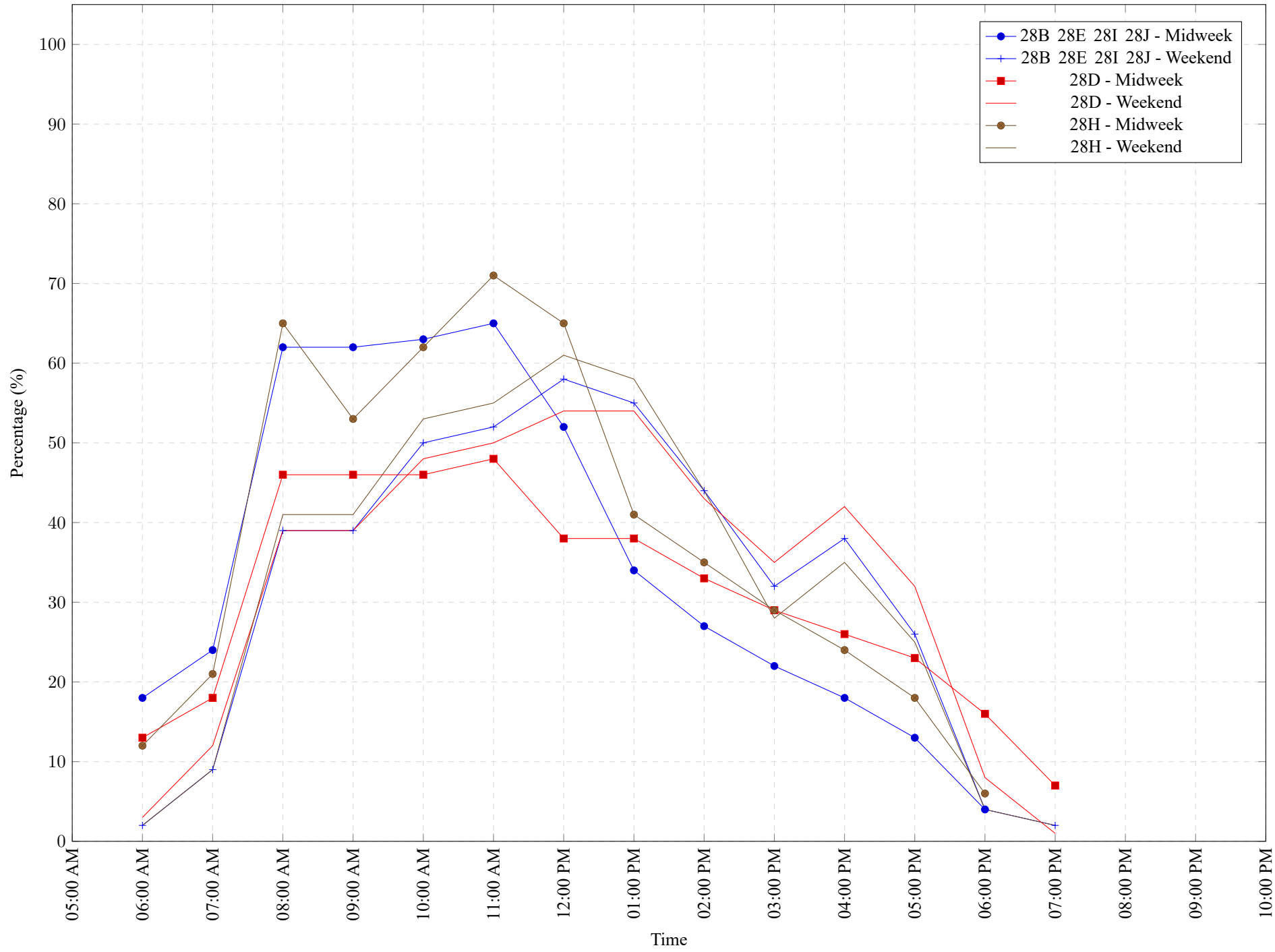


Table 7: Proportion of each day's fishing by hour.

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
28B	28E	28I	28J	Midweek	18%	24%	62%	62%	63%	65%	52%	34%	27%	22%	18%	13%	4%	0%	0%	0%	0%
28B	28E	28I	28J	Weekend	2%	9%	39%	39%	50%	52%	58%	55%	44%	32%	38%	26%	4%	2%	0%	0%	0%
28D				Midweek	13%	18%	46%	46%	46%	48%	38%	38%	33%	29%	26%	23%	16%	7%	0%	0%	0%
28D				Weekend	3%	12%	39%	39%	48%	50%	54%	54%	43%	35%	42%	32%	8%	1%	0%	0%	0%
28H				Midweek	12%	21%	65%	53%	62%	71%	65%	41%	35%	29%	24%	18%	6%	0%	0%	0%	0%
28H				Weekend	2%	9%	41%	41%	53%	55%	61%	58%	44%	28%	35%	25%	4%	2%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Egmont	Gibson's Marina	McDonald Beach	Planetarium	Sewell's West	Squamish Boat Launch	Thunderbird Marina
28 Jun 2022	Midweek					choppy		
29 Jun 2022	Midweek					choppy		
30 Jun 2022	Midweek				choppy			
01 Jul 2022	Weekend		choppy					
02 Jul 2022	Weekend							
03 Jul 2022	Weekend					calm/rippled		
04 Jul 2022	Midweek							
05 Jul 2022	Midweek							
06 Jul 2022	Midweek							
07 Jul 2022	Midweek							calm/rippled
08 Jul 2022	Midweek			calm/rippled				
09 Jul 2022	Weekend			calm/rippled				
10 Jul 2022	Weekend				calm/rippled			
11 Jul 2022	Midweek							
12 Jul 2022	Midweek		choppy					
13 Jul 2022	Midweek							
14 Jul 2022	Midweek					calm/rippled		
15 Jul 2022	Midweek				calm/rippled			
16 Jul 2022	Weekend							
17 Jul 2022	Weekend				choppy	calm/rippled		
18 Jul 2022	Midweek		choppy					
19 Jul 2022	Midweek			calm/rippled				
20 Jul 2022	Midweek				calm/rippled			
21 Jul 2022	Midweek							
22 Jul 2022	Midweek					choppy		
23 Jul 2022	Weekend							
24 Jul 2022	Weekend						calm/rippled	
25 Jul 2022	Midweek							
26 Jul 2022	Midweek					calm/rippled		
27 Jul 2022	Midweek						choppy	
28 Jul 2022	Midweek							
29 Jul 2022	Midweek				calm/rippled			
30 Jul 2022	Weekend				calm/rippled			calm/rippled
31 Jul 2022	Weekend					calm/rippled		
01 Aug 2022	Weekend							
02 Aug 2022	Midweek	calm/rippled			calm/rippled			
03 Aug 2022	Midweek		choppy				choppy	