

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 28 July 2023



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Friday 9<sup>th</sup> February, 2024



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Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		Gibson's Marina	McDonald Beach		Planetarium		Porteau Cove		Sewell's East		Squamish Boat Launch		Thunder-bird Marina
Date	Day Type	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	PM
28 Jun 2023	Midweek												
29 Jun 2023	Midweek		1										
30 Jun 2023	Midweek												
01 Jul 2023	Weekend		2										
02 Jul 2023	Weekend												
03 Jul 2023	Weekend												
04 Jul 2023	Midweek												
05 Jul 2023	Midweek												
06 Jul 2023	Midweek		3										
07 Jul 2023	Midweek		4										
08 Jul 2023	Weekend	4	4										
09 Jul 2023	Weekend		3										
10 Jul 2023	Midweek												
11 Jul 2023	Midweek		1										
12 Jul 2023	Midweek												
13 Jul 2023	Midweek												
14 Jul 2023	Midweek												
15 Jul 2023	Weekend		5										
16 Jul 2023	Weekend	2											
17 Jul 2023	Midweek												
18 Jul 2023	Midweek		4										
19 Jul 2023	Midweek		2										
20 Jul 2023	Midweek		1										
21 Jul 2023	Midweek												
22 Jul 2023	Weekend		2										
23 Jul 2023	Weekend		3										
24 Jul 2023	Midweek												
25 Jul 2023	Midweek		1										
26 Jul 2023	Midweek	3											
27 Jul 2023	Midweek		2										
28 Jul 2023	Midweek		2										
29 Jul 2023	Weekend		1										
30 Jul 2023	Weekend		1										
31 Jul 2023	Midweek												
01 Aug 2023	Midweek		2										
02 Aug 2023	Midweek												
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		0							
29-Jun-2023	Thursday	choppy	1							
30-Jun-2023	Friday		1					2	1158	4
01-Jul-2023	Saturday		0					13	1231	26
02-Jul-2023	Sunday	large swells	3					29	1202	59
03-Jul-2023	Monday (Canada Day)		0							
04-Jul-2023	Tuesday		2					3	1247	8
05-Jul-2023	Wednesday		0							
06-Jul-2023	Thursday	choppy	3							
07-Jul-2023	Friday	choppy	4		10					
08-Jul-2023	Saturday	choppy	9		3			28	1305	70
09-Jul-2023	Sunday	choppy	3							
10-Jul-2023	Monday		0					10	1259	28
11-Jul-2023	Tuesday	choppy	1							
12-Jul-2023	Wednesday		0							
13-Jul-2023	Thursday		1							
14-Jul-2023	Friday		0					8	1200	16
15-Jul-2023	Saturday	calm/rippled	10					22	1215	46
16-Jul-2023	Sunday	calm/rippled	2							
17-Jul-2023	Monday		0							
18-Jul-2023	Tuesday	choppy	7		1					
19-Jul-2023	Wednesday	calm/rippled	4					5	1234	14
20-Jul-2023	Thursday	calm/rippled	4							
21-Jul-2023	Friday		0							
22-Jul-2023	Saturday	frequent whitecaps	3					12	1258	32
23-Jul-2023	Sunday	choppy	4		1					
24-Jul-2023	Monday		0					1	1243	3
25-Jul-2023	Tuesday	choppy	1							
26-Jul-2023	Wednesday	choppy	5		4					
27-Jul-2023	Thursday	choppy	4		1					
28-Jul-2023	Friday	choppy	2							
29-Jul-2023	Saturday	choppy	1							
30-Jul-2023	Sunday	choppy	2							
31-Jul-2023	Monday		1							
01-Aug-2023	Tuesday	calm/rippled	2							
02-Aug-2023	Wednesday		2					9	1207	24
03-Aug-2023	Thursday	choppy	1	2	1					
	Totals	choppy	39		16			5*		14*
	Totals	choppy	37		4			21*		47*

\* 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	47	11	517		0.108				56		
Midweek	14	20	280		0.41				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	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
2023	July	900	0	898		0
5-Yr Avg	July	974	34	109		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	898	100%	9%	730	93%	12%	84
Chinook	0	0%		39	45%	8%	3

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	76	13%
iRec Anglers	2009	29%

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

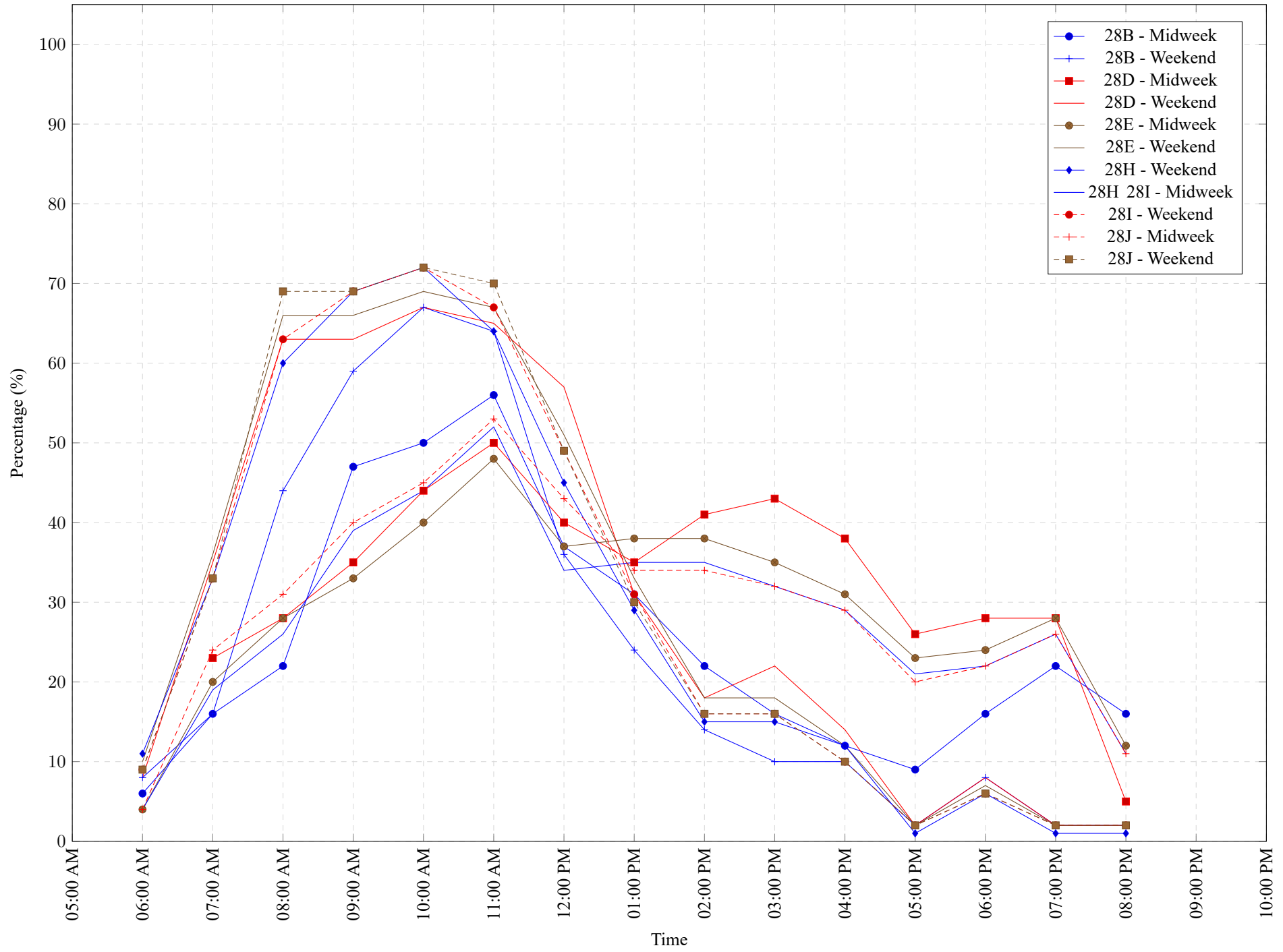


Table 7: Proportion of each day's fishing by hour.

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	Midweek	6%	16%	22%	47%	50%	56%	37%	31%	22%	16%	12%	9%	16%	22%	16%	0%	0%
28B	Weekend	8%	16%	44%	59%	67%	64%	36%	24%	14%	10%	10%	2%	8%	2%	2%	0%	0%
28D	Midweek	0%	23%	28%	35%	44%	50%	40%	35%	41%	43%	38%	26%	28%	28%	5%	0%	0%
28D	Weekend	8%	35%	63%	63%	67%	65%	57%	31%	18%	22%	14%	2%	8%	2%	2%	0%	0%
28E	Midweek	4%	20%	28%	33%	40%	48%	37%	38%	38%	35%	31%	23%	24%	28%	12%	0%	0%
28E	Weekend	10%	36%	66%	66%	69%	67%	51%	33%	18%	18%	12%	2%	7%	2%	2%	0%	0%
28H	Weekend	11%	33%	60%	69%	72%	64%	45%	29%	15%	15%	12%	1%	6%	1%	1%	0%	0%
28H 28I	Midweek	4%	19%	26%	39%	44%	52%	34%	35%	35%	32%	29%	21%	22%	26%	11%	0%	0%
28I	Weekend	9%	33%	63%	69%	72%	67%	49%	31%	16%	16%	10%	2%	6%	2%	2%	0%	0%
28J	Midweek	4%	24%	31%	40%	45%	53%	43%	34%	34%	32%	29%	20%	22%	26%	11%	0%	0%
28J	Weekend	9%	33%	69%	69%	72%	70%	49%	30%	16%	16%	10%	2%	6%	2%	2%	0%	0%

*Table 8: Daily Fishing Conditions.*

Date	Day Type	Gibson's Marina	McDonald Beach	Planetarium	Porteau Cove	Sewell's East	Squamish Boat Launch	Thunderbird Marina
28 Jun 2023	Midweek							
29 Jun 2023	Midweek		choppy					
30 Jun 2023	Midweek							
01 Jul 2023	Weekend							
02 Jul 2023	Weekend					large swells		
03 Jul 2023	Weekend							
04 Jul 2023	Midweek							
05 Jul 2023	Midweek							
06 Jul 2023	Midweek		choppy					
07 Jul 2023	Midweek		choppy					
08 Jul 2023	Weekend	choppy		choppy				
09 Jul 2023	Weekend						choppy	
10 Jul 2023	Midweek							
11 Jul 2023	Midweek		choppy					
12 Jul 2023	Midweek							
13 Jul 2023	Midweek							
14 Jul 2023	Midweek							
15 Jul 2023	Weekend				calm/rippled			
16 Jul 2023	Weekend	calm/rippled						
17 Jul 2023	Midweek							
18 Jul 2023	Midweek			choppy				
19 Jul 2023	Midweek					calm/rippled		
20 Jul 2023	Midweek							calm/rippled
21 Jul 2023	Midweek							
22 Jul 2023	Weekend		frequent whitecaps					
23 Jul 2023	Weekend			choppy				
24 Jul 2023	Midweek							
25 Jul 2023	Midweek				choppy			
26 Jul 2023	Midweek	choppy						
27 Jul 2023	Midweek					choppy		
28 Jul 2023	Midweek				choppy			
29 Jul 2023	Weekend		choppy					
30 Jul 2023	Weekend						choppy	
31 Jul 2023	Midweek							
01 Aug 2023	Midweek					calm/rippled		
02 Aug 2023	Midweek							
03 Aug 2023	Midweek			choppy				