

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 28 August 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Tuesday 15th February, 2022



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

Date	Day Type	Gibson's	McDonald Beach		Planetarium		Sewell's East		Sewell's West		Thunderbird Marina	
		PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
29 Jul 2021	Midweek					3						
30 Jul 2021	Midweek			3								
31 Jul 2021	Weekend			3						2		
01 Aug 2021	Weekend				8							1
02 Aug 2021	Weekend						1					
03 Aug 2021	Midweek					2						
04 Aug 2021	Midweek				2						2	
05 Aug 2021	Midweek								4			
06 Aug 2021	Midweek										1	
07 Aug 2021	Weekend				4			2				
08 Aug 2021	Weekend			4							2	
09 Aug 2021	Midweek					3						
10 Aug 2021	Midweek						4					
11 Aug 2021	Midweek				4							
12 Aug 2021	Midweek			1								
13 Aug 2021	Midweek	1								3		
14 Aug 2021	Weekend		1									
15 Aug 2021	Weekend								3			1
16 Aug 2021	Midweek											
17 Aug 2021	Midweek											
18 Aug 2021	Midweek									2	3	
19 Aug 2021	Midweek					9						
20 Aug 2021	Midweek									3		
21 Aug 2021	Weekend		1									2
22 Aug 2021	Weekend				1							
23 Aug 2021	Midweek		3									
24 Aug 2021	Midweek		2									
25 Aug 2021	Midweek				11		2					
26 Aug 2021	Midweek											
27 Aug 2021	Midweek											2
28 Aug 2021	Weekend					21		2				
29 Aug 2021	Weekend			4		15						
30 Aug 2021	Midweek											
31 Aug 2021	Midweek											
01 Sep 2021	Midweek						2					
02 Sep 2021	Midweek											
03 Sep 2021	Midweek											

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-2021	Thursday	calm/rippled	3							
30-Jul-2021	Friday	choppy	3							
31-Jul-2021	Saturday	calm/rippled	5							
01-Aug-2021	Sunday	calm/rippled	10		12					
02-Aug-2021	Monday (B.C. Day)	calm/rippled	2							
03-Aug-2021	Tuesday	choppy	4	1				33	1050	56
04-Aug-2021	Wednesday	choppy	5							
05-Aug-2021	Thursday	choppy	4					20	1112	34
06-Aug-2021	Friday	choppy	2							
07-Aug-2021	Saturday	choppy	7		7			10	1058	14
08-Aug-2021	Sunday	choppy	10		1			64	1138	87
09-Aug-2021	Monday	choppy	6					37	1148	68
10-Aug-2021	Tuesday	calm/rippled	6							
11-Aug-2021	Wednesday	calm/rippled	8	1	1					
12-Aug-2021	Thursday	choppy	3							
13-Aug-2021	Friday	calm/rippled	6	1						
14-Aug-2021	Saturday	choppy	2					62	1148	85
15-Aug-2021	Sunday	choppy	7		1					
16-Aug-2021	Monday		1		1			19	1059	32
17-Aug-2021	Tuesday		4							
18-Aug-2021	Wednesday	calm/rippled	7	1	3			34	1015	56
19-Aug-2021	Thursday	choppy	12	1	1					
20-Aug-2021	Friday	calm/rippled	5							
21-Aug-2021	Saturday	calm/rippled	4		1					
22-Aug-2021	Sunday	frequent whitecaps	3					22	1117	29
23-Aug-2021	Monday	calm/rippled	3	3						
24-Aug-2021	Tuesday	calm/rippled	7	2	1			29	1116	48
25-Aug-2021	Wednesday	calm/rippled	13	4	3					
26-Aug-2021	Thursday		2							
27-Aug-2021	Friday	calm/rippled	2							
28-Aug-2021	Saturday	calm/rippled	23	2	3			91	1037	144
29-Aug-2021	Sunday	choppy	19	2	1					
30-Aug-2021	Monday		0					11	1126	19
31-Aug-2021	Tuesday		0							
01-Sep-2021	Wednesday	choppy	2		3					
02-Sep-2021	Thursday		2							
03-Sep-2021	Friday		0							
	Totals	calm/rippled	100	14	10			26*		45*
	Totals	choppy	87	4	26			50*		72*

* 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	45	21	945	0.14	0.1			132	95		
Weekend	72	10	720	0.046	0.299			33	215		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	2290	155	20		
2017	August	1234	389	927		
2018	August	844	58	225	35	
2019	August	1167	727	0		0
2020	August	1340	171	194		0
2021	August	1754	208	357	0	0
5-Yr Avg	August	1375	300	273	35	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	320	90%	2%	402	98%	1%	5
Chinook	27	13%	7%	160	48%	1%	2

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	168	18%
iRec Anglers	5755	18%

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

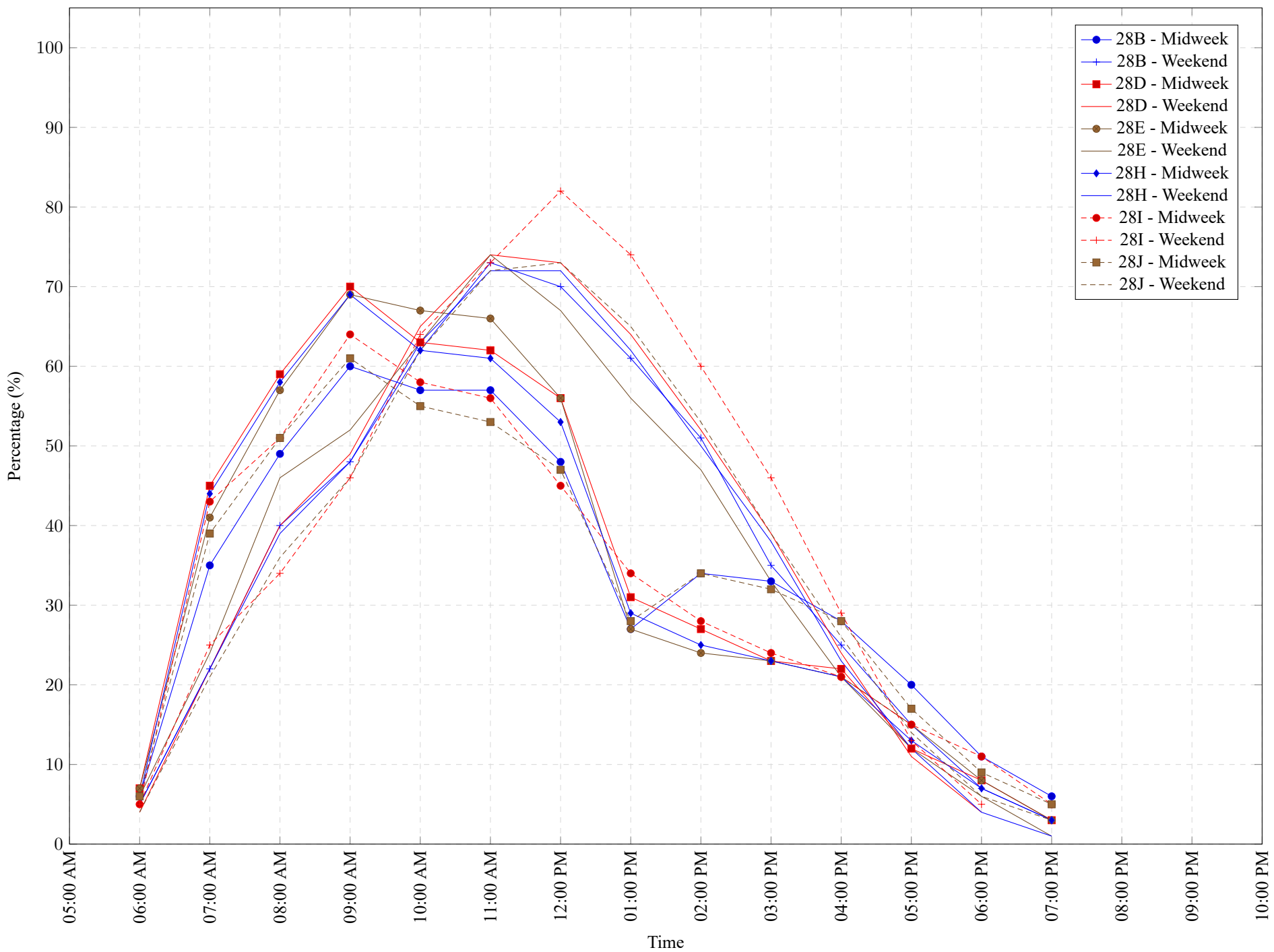


Table 7: Proportion of each day's fishing by hour.

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%	35%	49%	60%	57%	57%	48%	27%	34%	33%	28%	20%	11%	6%	0%	0%	0%
28B	Weekend	5%	22%	40%	48%	62%	73%	70%	61%	51%	35%	25%	15%	7%	3%	0%	0%	0%
28D	Midweek	7%	45%	59%	70%	63%	62%	56%	31%	27%	23%	22%	12%	8%	3%	0%	0%	0%
28D	Weekend	4%	22%	40%	49%	65%	74%	73%	64%	52%	39%	24%	11%	4%	0%	0%	0%	0%
28E	Midweek	7%	41%	57%	69%	67%	66%	56%	27%	24%	23%	21%	15%	8%	3%	0%	0%	0%
28E	Weekend	6%	24%	46%	52%	63%	74%	67%	56%	47%	33%	21%	12%	6%	1%	0%	0%	0%
28H	Midweek	6%	44%	58%	69%	62%	61%	53%	29%	25%	23%	21%	13%	7%	3%	0%	0%	0%
28H	Weekend	5%	22%	39%	48%	63%	72%	72%	62%	50%	38%	23%	12%	4%	1%	0%	0%	0%
28I	Midweek	5%	43%	51%	64%	58%	56%	45%	34%	28%	24%	21%	15%	11%	5%	0%	0%	0%
28I	Weekend	5%	25%	34%	46%	64%	73%	82%	74%	60%	46%	29%	13%	5%	0%	0%	0%	0%
28J	Midweek	6%	39%	51%	61%	55%	53%	47%	28%	34%	32%	28%	17%	9%	5%	0%	0%	0%
28J	Weekend	4%	21%	36%	46%	62%	72%	73%	65%	53%	39%	26%	14%	6%	3%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Gibson's	McDonald Beach	Planetarium	Sewell's East	Sewell's West	Thunderbird Marina
29 Jul 2021	Midweek			calm/rippled			
30 Jul 2021	Midweek		choppy				
31 Jul 2021	Weekend		calm/rippled			choppy	
01 Aug 2021	Weekend			calm/rippled			calm/rippled
02 Aug 2021	Weekend				calm/rippled		
03 Aug 2021	Midweek			choppy			
04 Aug 2021	Midweek			choppy			calm/rippled
05 Aug 2021	Midweek					choppy	
06 Aug 2021	Midweek						choppy
07 Aug 2021	Weekend			choppy	choppy		
08 Aug 2021	Weekend		choppy				choppy
09 Aug 2021	Midweek			choppy			
10 Aug 2021	Midweek				calm/rippled		
11 Aug 2021	Midweek			calm/rippled			
12 Aug 2021	Midweek		choppy				
13 Aug 2021	Midweek	choppy				calm/rippled	
14 Aug 2021	Weekend		choppy				
15 Aug 2021	Weekend					choppy	choppy
16 Aug 2021	Midweek						
17 Aug 2021	Midweek						
18 Aug 2021	Midweek					choppy	calm/rippled
19 Aug 2021	Midweek			choppy			
20 Aug 2021	Midweek					calm/rippled	
21 Aug 2021	Weekend		calm/rippled				calm/rippled
22 Aug 2021	Weekend			frequent whitecaps			
23 Aug 2021	Midweek		calm/rippled				
24 Aug 2021	Midweek		calm/rippled				
25 Aug 2021	Midweek			calm/rippled	calm/rippled		
26 Aug 2021	Midweek						
27 Aug 2021	Midweek						calm/rippled
28 Aug 2021	Weekend			calm/rippled	calm/rippled		
29 Aug 2021	Weekend		calm/rippled	choppy			
30 Aug 2021	Midweek						
31 Aug 2021	Midweek						
01 Sep 2021	Midweek				choppy		
02 Sep 2021	Midweek						
03 Sep 2021	Midweek						