

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) October 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 10th February, 2024



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

Date	Day Type	Flemming		Pedder Bay		Prestige Hotel Ramp		Sidney (Tulista Park Ramp)	Sooke Harbour Marina	
		AM	PM	AM	PM	AM	PM	AM	AM	PM
28 Sep 2023	Midweek							1		
29 Sep 2023	Midweek									
30 Sep 2023	Weekend				32					
01 Oct 2023	Weekend	3								
02 Oct 2023	Midweek					9				
03 Oct 2023	Midweek						13			
04 Oct 2023	Midweek									
05 Oct 2023	Midweek									
06 Oct 2023	Midweek									16
07 Oct 2023	Weekend		3							8
08 Oct 2023	Weekend				30	16				
09 Oct 2023	Weekend									
10 Oct 2023	Midweek									
11 Oct 2023	Midweek									
12 Oct 2023	Midweek									
13 Oct 2023	Midweek						5			
14 Oct 2023	Weekend			22						
15 Oct 2023	Weekend						1		4	
16 Oct 2023	Midweek									
17 Oct 2023	Midweek									
18 Oct 2023	Midweek									
19 Oct 2023	Midweek									
20 Oct 2023	Midweek				13					
21 Oct 2023	Weekend									
22 Oct 2023	Weekend						8			
23 Oct 2023	Midweek									
24 Oct 2023	Midweek									
25 Oct 2023	Midweek									
26 Oct 2023	Midweek									
27 Oct 2023	Midweek									
28 Oct 2023	Weekend									1
29 Oct 2023	Weekend				6					
30 Oct 2023	Midweek				4					
31 Oct 2023	Midweek									
01 Nov 2023	Midweek									
02 Nov 2023	Midweek									
03 Nov 2023	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
28-Sep-2023	Thursday	frequent whitecaps	1					16	0950	26
29-Sep-2023	Friday		0							
30-Sep-2023	Saturday	calm/rippled	33	4	16					
01-Oct-2023	Sunday	calm/rippled	3		7			271	0954	526
02-Oct-2023	Monday	calm/rippled	9	5	22					
03-Oct-2023	Tuesday	calm/rippled	13	3	20					
04-Oct-2023	Wednesday		0					46	1025	76
05-Oct-2023	Thursday		0							
06-Oct-2023	Friday	choppy	17		32					
07-Oct-2023	Saturday	calm/rippled	12		24					
08-Oct-2023	Sunday	calm/rippled	47	1	84					
09-Oct-2023	Monday (Thanksgiving)		0							
10-Oct-2023	Tuesday		1		2					
11-Oct-2023	Wednesday		1		3					
12-Oct-2023	Thursday		0					17	0959	28
13-Oct-2023	Friday	choppy	5	1	1					
14-Oct-2023	Saturday	choppy	22	4	12			106	1015	164
15-Oct-2023	Sunday	choppy	5		7					
16-Oct-2023	Monday		0							
17-Oct-2023	Tuesday		0					11	1007	18
18-Oct-2023	Wednesday		0							
19-Oct-2023	Thursday		1							
20-Oct-2023	Friday	calm/rippled	13							
21-Oct-2023	Saturday		1		1			44	1000	68
22-Oct-2023	Sunday	calm/rippled	9		6					
23-Oct-2023	Monday		0							
24-Oct-2023	Tuesday		0							
25-Oct-2023	Wednesday		0							
26-Oct-2023	Thursday		1		1					
27-Oct-2023	Friday		0							
28-Oct-2023	Saturday	choppy	1							
29-Oct-2023	Sunday	frequent whitecaps	6	2						
30-Oct-2023	Monday	choppy	4	1						
31-Oct-2023	Tuesday		0							
01-Nov-2023	Wednesday		0							
02-Nov-2023	Thursday		0							
03-Nov-2023	Friday		0							
	Totals	choppy	65	10	81			25*		41*
	Totals	choppy	106	7	141			140*		253*

* 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	41	21	861	0.154	1.246			133	1073		
Weekend	253	10	2530	0.066	1.33			167	3365		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	October	2684	542	2267		
2019	October	1655	48	2242		24
2020	October	2374	312	3319		111
2021	October	2184	259	5713		37
2022	October	3824	730	9455		58
2023	October	3080	358	4512		0
5-Yr Avg	October	2544	378	4599		58

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	1573	35%	13%	2781	54%	7%	206
Chinook	154	43%	9%	212	59%	7%	14

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	171	2%
iRec Anglers	354	3%
iRec Anglers	3375	11%

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

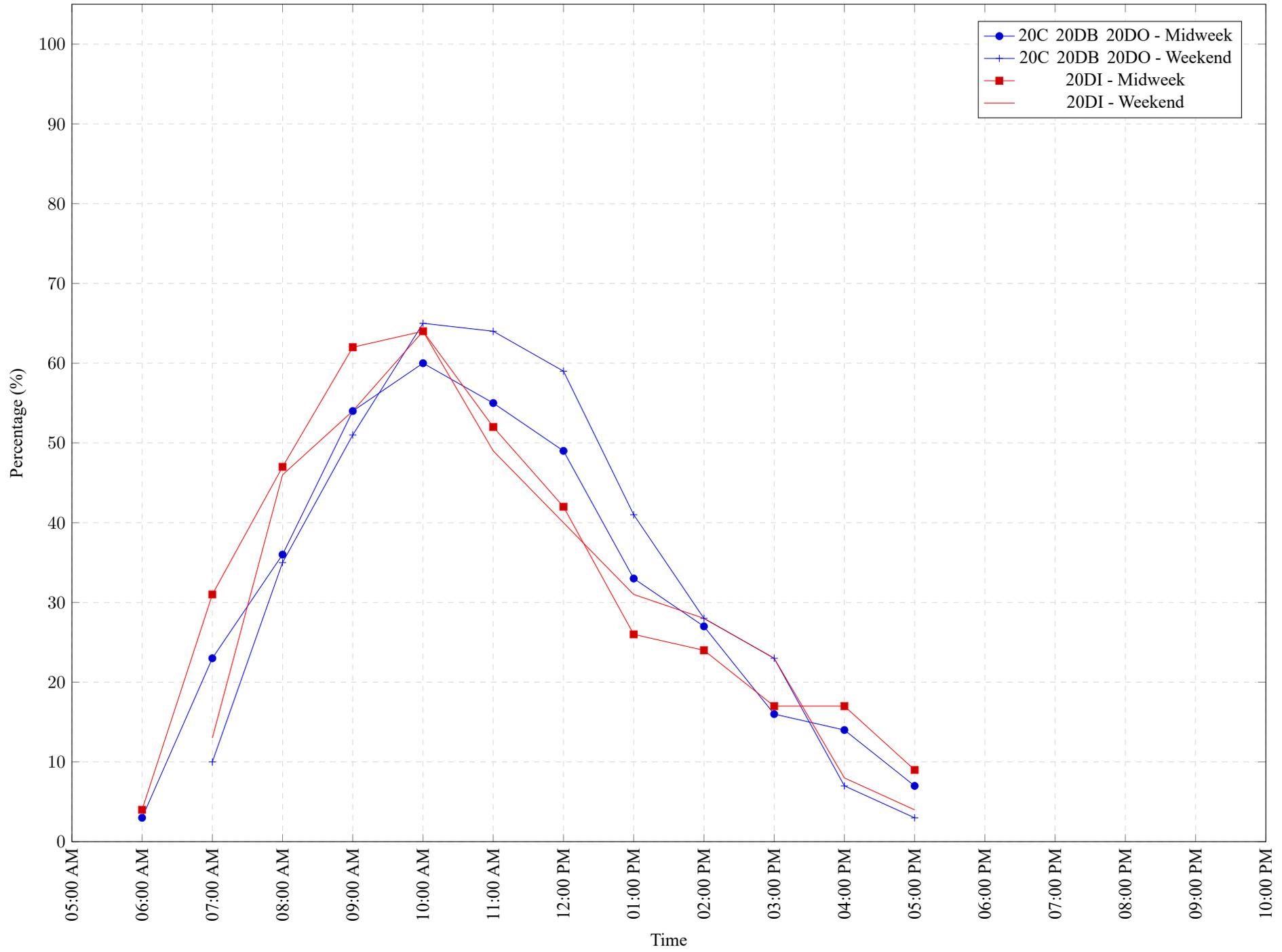


Table 7: Proportion of each day's fishing by hour.

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
20C	20DB	20DO	Midweek	3%	23%	36%	54%	60%	55%	49%	33%	27%	16%	14%	7%	0%	0%	0%	0%	0%
20C	20DB	20DO	Weekend	0%	10%	35%	51%	65%	64%	59%	41%	28%	23%	7%	3%	0%	0%	0%	0%	0%
	20DI		Midweek	4%	31%	47%	62%	64%	52%	42%	26%	24%	17%	17%	9%	0%	0%	0%	0%	0%
	20DI		Weekend	0%	13%	46%	54%	64%	49%	40%	31%	28%	23%	8%	4%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Flemming	Pedder Bay	Prestige Hotel Ramp	Sidney (Tulista Park Ramp)	Sooke Harbour Marina
28 Sep 2023	Midweek				frequent whitecaps	
29 Sep 2023	Midweek					
30 Sep 2023	Weekend		calm/rippled			
01 Oct 2023	Weekend	calm/rippled				
02 Oct 2023	Midweek			calm/rippled		
03 Oct 2023	Midweek			calm/rippled		
04 Oct 2023	Midweek					
05 Oct 2023	Midweek					
06 Oct 2023	Midweek					choppy
07 Oct 2023	Weekend	calm/rippled				calm/rippled
08 Oct 2023	Weekend		calm/rippled	calm/rippled		
09 Oct 2023	Weekend					
10 Oct 2023	Midweek					
11 Oct 2023	Midweek					
12 Oct 2023	Midweek					
13 Oct 2023	Midweek			choppy		
14 Oct 2023	Weekend		choppy			
15 Oct 2023	Weekend			choppy		choppy
16 Oct 2023	Midweek					
17 Oct 2023	Midweek					
18 Oct 2023	Midweek					
19 Oct 2023	Midweek					
20 Oct 2023	Midweek		calm/rippled			
21 Oct 2023	Weekend					
22 Oct 2023	Weekend			calm/rippled		
23 Oct 2023	Midweek					
24 Oct 2023	Midweek					
25 Oct 2023	Midweek					
26 Oct 2023	Midweek					
27 Oct 2023	Midweek					
28 Oct 2023	Weekend					choppy
29 Oct 2023	Weekend		frequent whitecaps			
30 Oct 2023	Midweek		choppy			
31 Oct 2023	Midweek					
01 Nov 2023	Midweek					
02 Nov 2023	Midweek					
03 Nov 2023	Midweek					