

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) August 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.

		Becher Bay		Flemming		Pedder Bay		Prestige Hotel Ramp		Sidney (Tulista Park Ramp) AM	Sooke Harbour Marina	
Date	Day Type	AM	PM	AM	PM	AM	PM	AM	PM		AM	PM
29 Jul 2023	Weekend	19		1							26	
30 Jul 2023	Weekend	10										
31 Jul 2023	Midweek											
01 Aug 2023	Midweek	17										
02 Aug 2023	Midweek										28	
03 Aug 2023	Midweek		6									
04 Aug 2023	Midweek											
05 Aug 2023	Weekend						37					
06 Aug 2023	Weekend										9	
07 Aug 2023	Weekend		7									22
08 Aug 2023	Midweek											
09 Aug 2023	Midweek											
10 Aug 2023	Midweek						30					
11 Aug 2023	Midweek								15			8
12 Aug 2023	Weekend								25			
13 Aug 2023	Weekend											31
14 Aug 2023	Midweek				2							
15 Aug 2023	Midweek	12										
16 Aug 2023	Midweek		15						30			
17 Aug 2023	Midweek											
18 Aug 2023	Midweek			1			35					
19 Aug 2023	Weekend	22		2								
20 Aug 2023	Weekend					26		24				
21 Aug 2023	Midweek							13				
22 Aug 2023	Midweek											
23 Aug 2023	Midweek											
24 Aug 2023	Midweek					19						
25 Aug 2023	Midweek		15									
26 Aug 2023	Weekend				2							
27 Aug 2023	Weekend		9				32		10			
28 Aug 2023	Midweek									2		
29 Aug 2023	Midweek											
30 Aug 2023	Midweek							8			12	
31 Aug 2023	Midweek			1			16					
01 Sep 2023	Midweek								26			
02 Sep 2023	Weekend						56					21
03 Sep 2023	Weekend				4							

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-2023	Saturday	choppy	46	9	12					
30-Jul-2023	Sunday	choppy	12	1	3					
31-Jul-2023	Monday		1		1					
01-Aug-2023	Tuesday	calm/rippled	18	13	1					
02-Aug-2023	Wednesday	calm/rippled	29	14	5			120	0947	219
03-Aug-2023	Thursday	choppy	6	3	1					
04-Aug-2023	Friday		1		1					
05-Aug-2023	Saturday	calm/rippled	38	30						
06-Aug-2023	Sunday	choppy	9	8	1					
07-Aug-2023	Monday (B.C. Day)	choppy	30	21	12			3	0944	6
08-Aug-2023	Tuesday		1	1	2					
09-Aug-2023	Wednesday		1					160	0951	292
10-Aug-2023	Thursday	frequent whitecaps	30	17	3					
11-Aug-2023	Friday	frequent whitecaps	24	16	4					
12-Aug-2023	Saturday	choppy	25	46	7					
13-Aug-2023	Sunday	calm/rippled	32	46	8		2	285	1007	489
14-Aug-2023	Monday	calm/rippled	2							
15-Aug-2023	Tuesday	choppy	13	11	6			155	1014	273
16-Aug-2023	Wednesday	calm/rippled	45	50	8	1				
17-Aug-2023	Thursday		1	1						
18-Aug-2023	Friday	choppy	36	18	11					
19-Aug-2023	Saturday	calm/rippled	24	14	9	1		317	1028	542
20-Aug-2023	Sunday	calm/rippled	51	43	10	1				
21-Aug-2023	Monday	calm/rippled	15	20	8					
22-Aug-2023	Tuesday		1	1				163	1015	287
23-Aug-2023	Wednesday		1	3						
24-Aug-2023	Thursday	calm/rippled	20	13	2					
25-Aug-2023	Friday	calm/rippled	16	14	1					
26-Aug-2023	Saturday	calm/rippled	4	6	1			312	1025	534
27-Aug-2023	Sunday	choppy	52	34	23					
28-Aug-2023	Monday	frequent whitecaps	3	3	1					
29-Aug-2023	Tuesday		1	3						
30-Aug-2023	Wednesday	calm/rippled	22	24	11			74	1000	130
31-Aug-2023	Thursday	calm/rippled	18	13	19					
01-Sep-2023	Friday	calm/rippled	27	28	23		4	230	0945	420
02-Sep-2023	Saturday	choppy	78	73	59		1			
03-Sep-2023	Sunday	choppy	5	7	5					
	Totals	choppy	304	238	84	1		134*		240*
	Totals	calm/rippled	265	248	71	2	2	229*		393*

* 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	240	22	5280	0.783	0.276	0.003		4134	1457	16	
Weekend	393	9	3537	0.936	0.268	0.008	0.008	3311	948	28	28

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	August	9029	8702	572	4894	49
2019	August	11070	8320	1497	0	67
2020	August	9936	5026	3568		48
2021	August	8382	6559	754	0	44
2022	August	9427	7588	2816	0	0
2023	August	10233	9476	3062	65	43
5-Yr Avg	August	9569	7239	1841	1224	42

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	4247	94%	15%	3564	90%	18%	644
Chinook	2107	14%	39%	3003	30%	28%	830

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	1105	14%
iRec Anglers	5317	17%
iRec Anglers	12727	15%

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

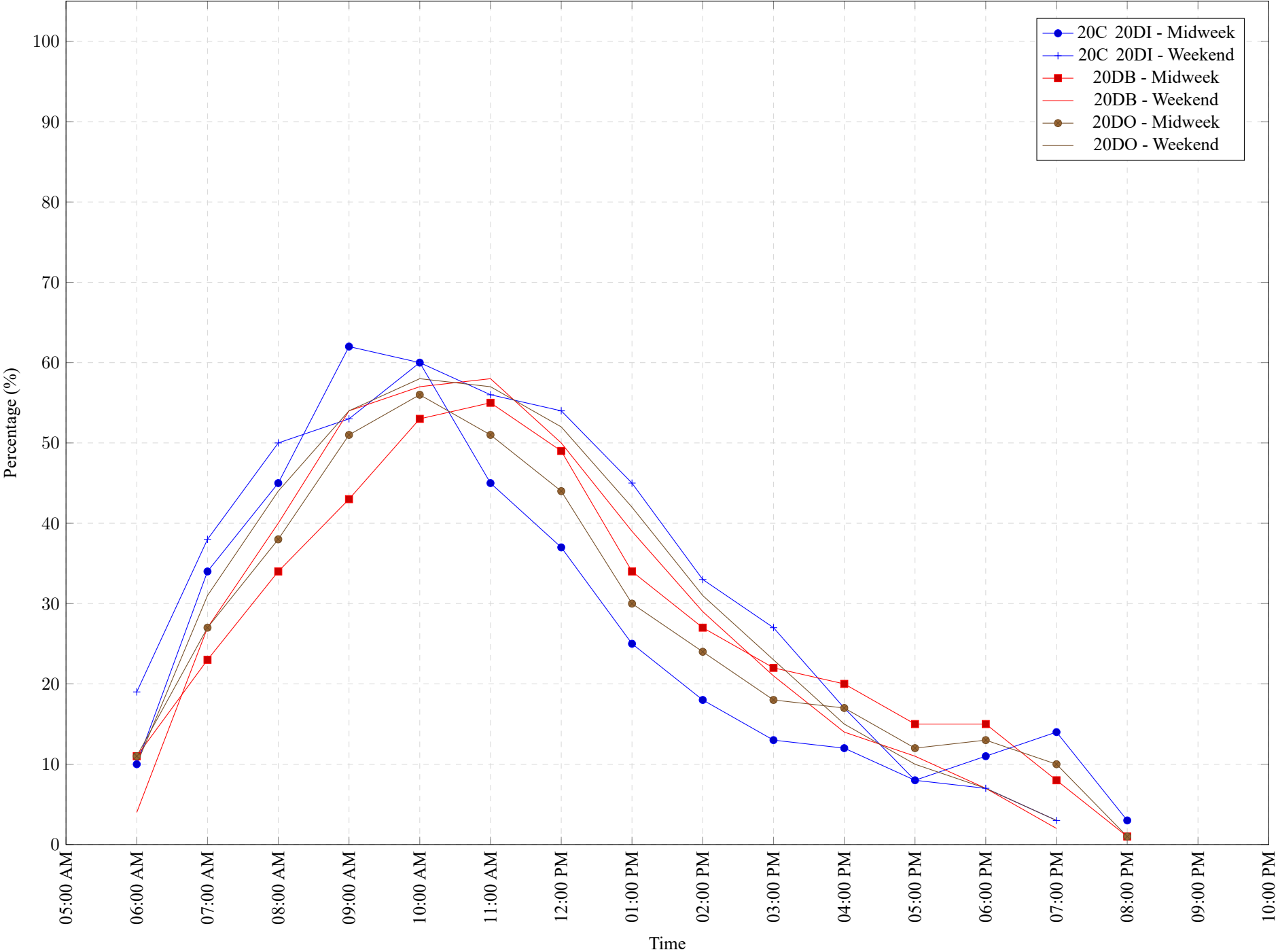


Table 7: Proportion of each day's fishing by hour.

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	20DI	Midweek	10%	34%	45%	62%	60%	45%	37%	25%	18%	13%	12%	8%	11%	14%	3%	0%	0%
20C	20DI	Weekend	19%	38%	50%	53%	60%	56%	54%	45%	33%	27%	17%	8%	7%	3%	0%	0%	0%
20DB		Midweek	11%	23%	34%	43%	53%	55%	49%	34%	27%	22%	20%	15%	15%	8%	1%	0%	0%
20DB		Weekend	4%	27%	40%	54%	57%	58%	50%	39%	29%	21%	14%	11%	7%	2%	0%	0%	0%
20DO		Midweek	11%	27%	38%	51%	56%	51%	44%	30%	24%	18%	17%	12%	13%	10%	1%	0%	0%
20DO		Weekend	10%	31%	44%	54%	58%	57%	52%	42%	31%	23%	15%	10%	7%	3%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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