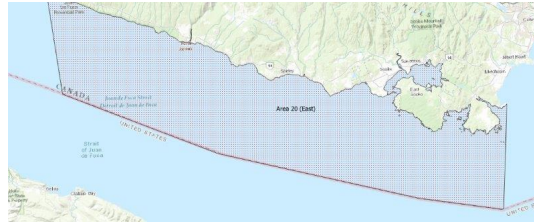


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) August 2024



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 10th October, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

		Becher Bay		Cheanuh		Cowichan Bay	Flemming		Pedder Bay		Prestige Hotel Ramp		Sooke Harbour Marina	
Date	Day Type	AM	PM	AM	PM	PM	AM	PM	AM	PM	AM	PM	AM	PM
29 Jul 2024	Midweek													
30 Jul 2024	Midweek													
31 Jul 2024	Midweek	2		16										
01 Aug 2024	Midweek										7		31	
02 Aug 2024	Midweek													
03 Aug 2024	Weekend							1					21	
04 Aug 2024	Weekend	20							18			18		
05 Aug 2024	Weekend						2							
06 Aug 2024	Midweek									8				
07 Aug 2024	Midweek													
08 Aug 2024	Midweek		16		40		1							
09 Aug 2024	Midweek									33				23
10 Aug 2024	Weekend													
11 Aug 2024	Weekend				55									
12 Aug 2024	Midweek				36									
13 Aug 2024	Midweek													8
14 Aug 2024	Midweek													
15 Aug 2024	Midweek									12				
16 Aug 2024	Midweek		13						21					
17 Aug 2024	Weekend							1		37				26
18 Aug 2024	Weekend	16												
19 Aug 2024	Midweek										21			
20 Aug 2024	Midweek													
21 Aug 2024	Midweek													
22 Aug 2024	Midweek							1				23		
23 Aug 2024	Midweek									7				
24 Aug 2024	Weekend		6											
25 Aug 2024	Weekend											18		
26 Aug 2024	Midweek	10												
27 Aug 2024	Midweek													
28 Aug 2024	Midweek	6												
29 Aug 2024	Midweek													
30 Aug 2024	Midweek		16		17									
31 Aug 2024	Weekend				39	1								29
01 Sep 2024	Weekend										23			
02 Sep 2024	Weekend	13			38									
03 Sep 2024	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-2024	Monday		0							
30-Jul-2024	Tuesday		0							
31-Jul-2024	Wednesday	calm/rippled	18	10	3					
01-Aug-2024	Thursday	choppy	38	69	6					
02-Aug-2024	Friday		0					180	0956	352
03-Aug-2024	Saturday	calm/rippled	22	12	1			224	1002	399
04-Aug-2024	Sunday	choppy	56	29	2					
05-Aug-2024	Monday (B.C. Day)	choppy	2	4						
06-Aug-2024	Tuesday	calm/rippled	8	3	2					
07-Aug-2024	Wednesday		0					0	0940	0
08-Aug-2024	Thursday	calm/rippled	57	59	7					
09-Aug-2024	Friday	calm/rippled	56	73	5		2			
10-Aug-2024	Saturday		0							
11-Aug-2024	Sunday	calm/rippled	55	67	33			257	0952	475
12-Aug-2024	Monday	calm/rippled	36	32	10					
13-Aug-2024	Tuesday	calm/rippled	8	9	7					
14-Aug-2024	Wednesday		0							
15-Aug-2024	Thursday	choppy	12	8	7					
16-Aug-2024	Friday	calm/rippled	34	38	6			192	1000	375
17-Aug-2024	Saturday	calm/rippled	64	74	17		1			
18-Aug-2024	Sunday	calm/rippled	16	14	2					
19-Aug-2024	Monday	calm/rippled	21	30	17			178	0957	348
20-Aug-2024	Tuesday		0							
21-Aug-2024	Wednesday		0							
22-Aug-2024	Thursday	calm/rippled	24	24	22					
23-Aug-2024	Friday	choppy	7	7	12					
24-Aug-2024	Saturday	calm/rippled	6	1	8			77	1002	138
25-Aug-2024	Sunday	calm/rippled	18	24	29		1	365	0952	676
26-Aug-2024	Monday	calm/rippled	10	8	7					
27-Aug-2024	Tuesday		0							
28-Aug-2024	Wednesday	calm/rippled	6	1	7			162	0959	317
29-Aug-2024	Thursday		0							
30-Aug-2024	Friday	calm/rippled	33	15	20					
31-Aug-2024	Saturday	calm/rippled	69	38	33			177	1001	314
01-Sep-2024	Sunday	calm/rippled	23	17	11		1			
02-Sep-2024	Monday (Labour Day)	calm/rippled	51	19	24			156	1002	277
03-Sep-2024	Tuesday		0							
	Totals	calm/rippled	350	376	135		2	142*		278*
	Totals	calm/rippled	308	263	125		2	220*		400*

* 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	278	21	5838	1.074	0.386		0.006	6270	2253		35
Weekend	400	10	4000	0.854	0.406		0.006	3416	1624		24

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2024	August	11047	12588	4645	0	15
5-Yr Avg	August	9810	7394	2339	16	40

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
---------	--------------------	-----------------	-----------------------	-------------------	----------------	----------------------	-----------------------

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	1148	14%

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

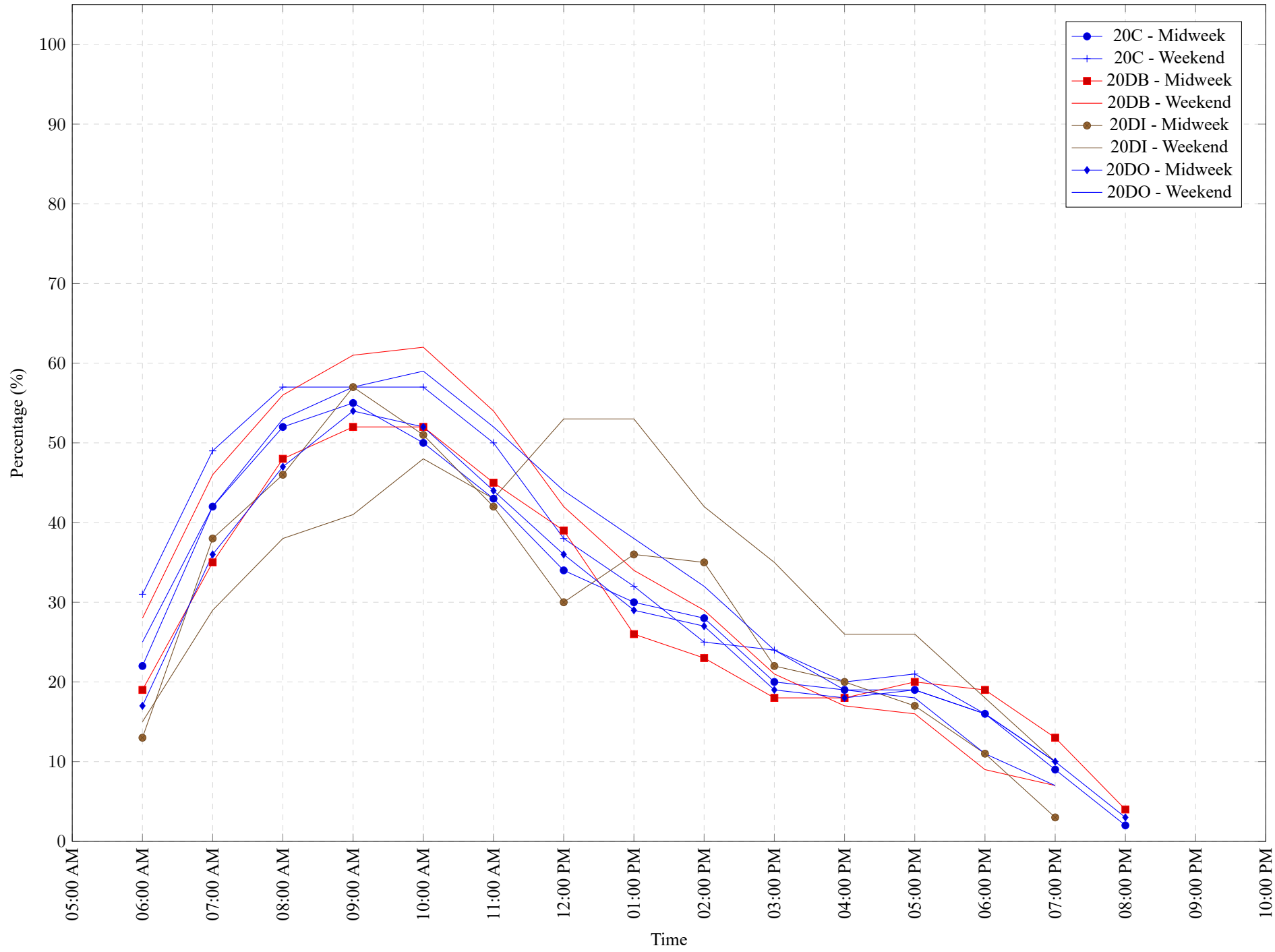


Table 7: Proportion of each day's fishing by hour.

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	Midweek	22%	42%	52%	55%	50%	43%	34%	30%	28%	20%	19%	19%	16%	9%	2%	0%	0%
20C	Weekend	31%	49%	57%	57%	57%	50%	38%	32%	25%	24%	20%	21%	16%	10%	0%	0%	0%
20DB	Midweek	19%	35%	48%	52%	52%	45%	39%	26%	23%	18%	18%	20%	19%	13%	4%	0%	0%
20DB	Weekend	28%	46%	56%	61%	62%	54%	42%	34%	29%	21%	17%	16%	9%	7%	0%	0%	0%
20DI	Midweek	13%	38%	46%	57%	51%	42%	30%	36%	35%	22%	20%	17%	11%	3%	0%	0%	0%
20DI	Weekend	15%	29%	38%	41%	48%	43%	53%	53%	42%	35%	26%	26%	18%	10%	0%	0%	0%
20DO	Midweek	17%	36%	47%	54%	52%	44%	36%	29%	27%	19%	18%	19%	16%	10%	3%	0%	0%
20DO	Weekend	25%	42%	53%	57%	59%	52%	44%	38%	32%	24%	19%	18%	11%	7%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Becher Bay	Cheanuh	Cowichan Bay	Flemming	Pedder Bay	Prestige Hotel Ramp	Sooke Harbour Marina
29 Jul 2024	Midweek							
30 Jul 2024	Midweek							
31 Jul 2024	Midweek	calm/rippled	calm/rippled					
01 Aug 2024	Midweek						choppy	choppy
02 Aug 2024	Midweek							
03 Aug 2024	Weekend				choppy			calm/rippled
04 Aug 2024	Weekend	calm/rippled				choppy	choppy	
05 Aug 2024	Weekend				choppy			
06 Aug 2024	Midweek					calm/rippled		
07 Aug 2024	Midweek							
08 Aug 2024	Midweek	calm/rippled	calm/rippled		calm/rippled			
09 Aug 2024	Midweek					calm/rippled		calm/rippled
10 Aug 2024	Weekend							
11 Aug 2024	Weekend		calm/rippled					
12 Aug 2024	Midweek		calm/rippled					
13 Aug 2024	Midweek							calm/rippled
14 Aug 2024	Midweek							
15 Aug 2024	Midweek					choppy		
16 Aug 2024	Midweek	calm/rippled				choppy		
17 Aug 2024	Weekend				choppy	calm/rippled		choppy
18 Aug 2024	Weekend	calm/rippled						
19 Aug 2024	Midweek						calm/rippled	
20 Aug 2024	Midweek							
21 Aug 2024	Midweek							
22 Aug 2024	Midweek				calm/rippled		calm/rippled	
23 Aug 2024	Midweek					choppy		
24 Aug 2024	Weekend	calm/rippled						
25 Aug 2024	Weekend						calm/rippled	
26 Aug 2024	Midweek	calm/rippled						
27 Aug 2024	Midweek							
28 Aug 2024	Midweek	calm/rippled						
29 Aug 2024	Midweek							
30 Aug 2024	Midweek	calm/rippled	calm/rippled					
31 Aug 2024	Weekend		calm/rippled	choppy				calm/rippled
01 Sep 2024	Weekend						calm/rippled	
02 Sep 2024	Weekend	calm/rippled	calm/rippled					
03 Sep 2024	Midweek							