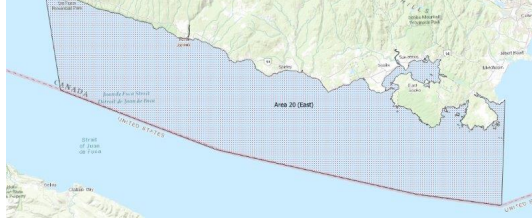


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) September 2024



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 7th November, 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 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													
04 Sep 2024	Midweek													
05 Sep 2024	Midweek	7												
06 Sep 2024	Midweek													
07 Sep 2024	Weekend										40			
08 Sep 2024	Weekend								39					19
09 Sep 2024	Midweek				36		1							
10 Sep 2024	Midweek									8				
11 Sep 2024	Midweek	2												
12 Sep 2024	Midweek								6					
13 Sep 2024	Midweek		16											
14 Sep 2024	Weekend													
15 Sep 2024	Weekend		16											
16 Sep 2024	Midweek									19				
17 Sep 2024	Midweek													
18 Sep 2024	Midweek													
19 Sep 2024	Midweek													9
20 Sep 2024	Midweek										8			
21 Sep 2024	Weekend						2		28					
22 Sep 2024	Weekend													
23 Sep 2024	Midweek													12
24 Sep 2024	Midweek													
25 Sep 2024	Midweek													
26 Sep 2024	Midweek			23								2		
27 Sep 2024	Midweek													
28 Sep 2024	Weekend												15	
29 Sep 2024	Weekend			7										
30 Sep 2024	Midweek													
01 Oct 2024	Midweek													
02 Oct 2024	Midweek													
03 Oct 2024	Midweek						1					7		

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-Aug-2024	Thursday		0							
30-Aug-2024	Friday	calm/rippled	33	15	20					
31-Aug-2024	Saturday	calm/rippled	69	38	33			177	1001	272
01-Sep-2024	Sunday	calm/rippled	23	17	11		1			
02-Sep-2024	Monday (Labour Day)	calm/rippled	51	19	25			156	1002	241
03-Sep-2024	Tuesday		0							
04-Sep-2024	Wednesday		0					97	0956	144
05-Sep-2024	Thursday	calm/rippled	7	3	2					
06-Sep-2024	Friday		0							
07-Sep-2024	Saturday	calm/rippled	40	10	9					
08-Sep-2024	Sunday	calm/rippled	58	43	25			326	0956	506
09-Sep-2024	Monday	choppy	37	12	23					
10-Sep-2024	Tuesday	calm/rippled	8		12					
11-Sep-2024	Wednesday	calm/rippled	2		6					
12-Sep-2024	Thursday	calm/rippled	6		2					
13-Sep-2024	Friday	choppy	16	4	13			86	1001	127
14-Sep-2024	Saturday		0					0	1012	0
15-Sep-2024	Sunday	calm/rippled	16	1	9					
16-Sep-2024	Monday	calm/rippled	19	4	23			88	0957	131
17-Sep-2024	Tuesday		0							
18-Sep-2024	Wednesday		0							
19-Sep-2024	Thursday	calm/rippled	9	1	15		3			
20-Sep-2024	Friday	choppy	8	1	8					
21-Sep-2024	Saturday	calm/rippled	30	5	17					
22-Sep-2024	Sunday		0					98	1000	151
23-Sep-2024	Monday	calm/rippled	12	3	17					
24-Sep-2024	Tuesday		0					0	1030	0
25-Sep-2024	Wednesday		0							
26-Sep-2024	Thursday	choppy	25	1	40					
27-Sep-2024	Friday		0							
28-Sep-2024	Saturday	calm/rippled	15	1	14					
29-Sep-2024	Sunday	choppy	7		1					
30-Sep-2024	Monday		0							
01-Oct-2024	Tuesday		0							
02-Oct-2024	Wednesday		0							
03-Oct-2024	Thursday	calm/rippled	8	1	8					
	Totals	calm/rippled	149	29	161		3	68*		101*
	Totals	calm/rippled	240	96	111		1	145*		225*

* 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	101	20	2020	0.195	1.081		0.02	394	2184		40
Weekend	225	10	2250	0.4	0.463		0.004	900	1042		9

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2019	September	6617	1725	3966		53
2020	September	7684	883	5681	16	152
2021	September	4490	1606	2181	0	27
2022	September	6503	3895	4678	0	29
2023	September	5767	3494	4378	0	57
2024	September	5461	1830	4842		74
5-Yr Avg	September	6212	2321	4177	4	64

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
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	499	9%
iRec Anglers	1421	15%
iRec Anglers	7108	14%

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

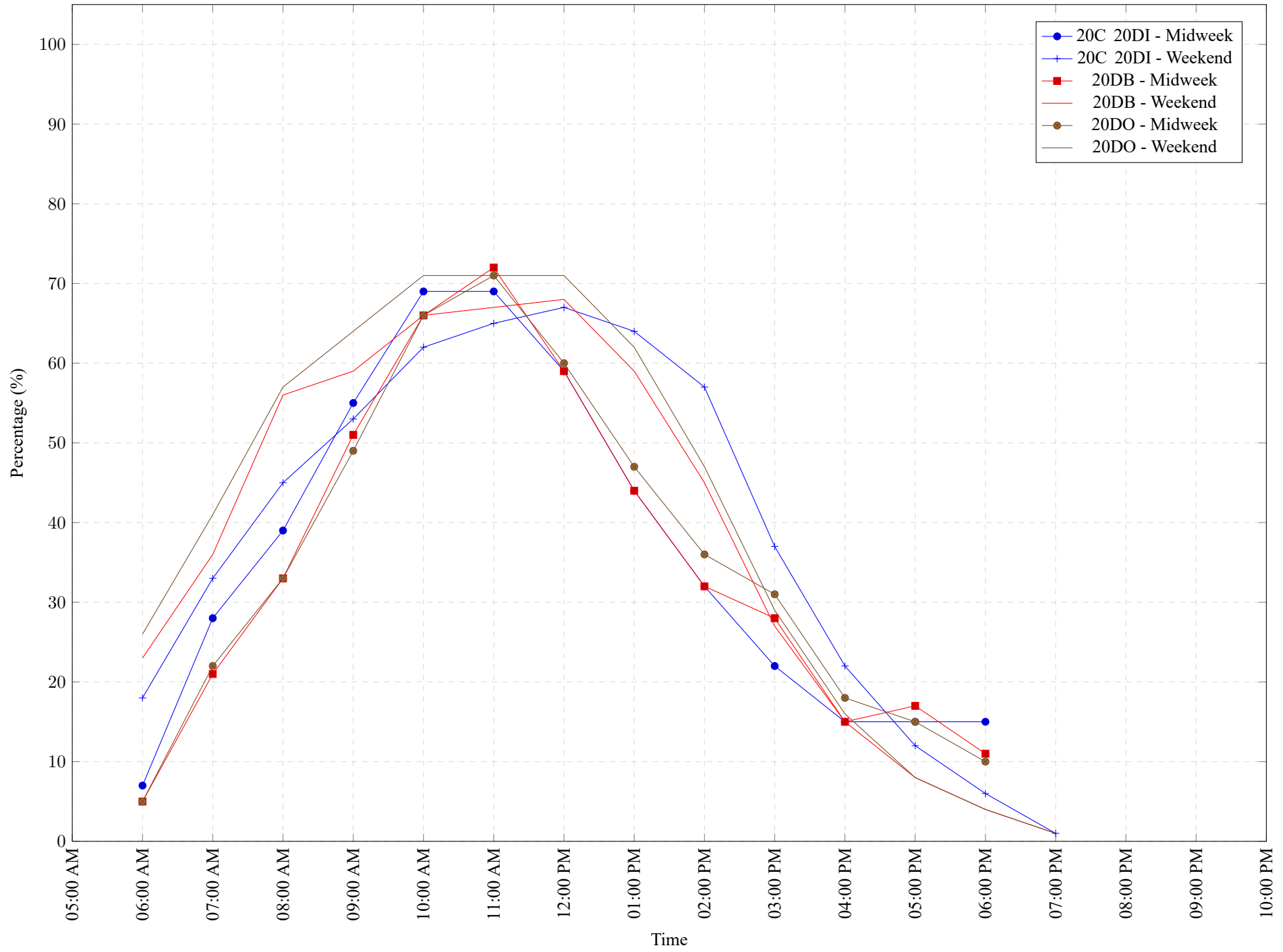


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	7:00	8:00	9:00	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
		AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
20C 20DI	Midweek	7%	28%	39%	55%	69%	69%	59%	44%	32%	22%	15%	15%	15%	0%	0%	0%	0%
20C 20DI	Weekend	18%	33%	45%	53%	62%	65%	67%	64%	57%	37%	22%	12%	6%	1%	0%	0%	0%
20DB	Midweek	5%	21%	33%	51%	66%	72%	59%	44%	32%	28%	15%	17%	11%	0%	0%	0%	0%
20DB	Weekend	23%	36%	56%	59%	66%	67%	68%	59%	45%	27%	15%	8%	4%	1%	0%	0%	0%
20DO	Midweek	5%	22%	33%	49%	66%	71%	60%	47%	36%	31%	18%	15%	10%	0%	0%	0%	0%
20DO	Weekend	26%	41%	57%	64%	71%	71%	71%	62%	47%	29%	16%	8%	4%	1%	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 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							
04 Sep 2024	Midweek							
05 Sep 2024	Midweek	calm/rippled						
06 Sep 2024	Midweek							
07 Sep 2024	Weekend						calm/rippled	
08 Sep 2024	Weekend					calm/rippled		calm/rippled
09 Sep 2024	Midweek		choppy		calm/rippled			
10 Sep 2024	Midweek					calm/rippled		
11 Sep 2024	Midweek	calm/rippled						
12 Sep 2024	Midweek					calm/rippled		
13 Sep 2024	Midweek	choppy						
14 Sep 2024	Weekend							
15 Sep 2024	Weekend	calm/rippled						
16 Sep 2024	Midweek					calm/rippled		
17 Sep 2024	Midweek							
18 Sep 2024	Midweek							
19 Sep 2024	Midweek							calm/rippled
20 Sep 2024	Midweek						choppy	
21 Sep 2024	Weekend				calm/rippled	calm/rippled		
22 Sep 2024	Weekend							
23 Sep 2024	Midweek							calm/rippled
24 Sep 2024	Midweek							
25 Sep 2024	Midweek							
26 Sep 2024	Midweek		choppy				calm/rippled	
27 Sep 2024	Midweek							
28 Sep 2024	Weekend							calm/rippled
29 Sep 2024	Weekend		choppy					
30 Sep 2024	Midweek							
01 Oct 2024	Midweek							
02 Oct 2024	Midweek							
03 Oct 2024	Midweek				choppy		calm/rippled	