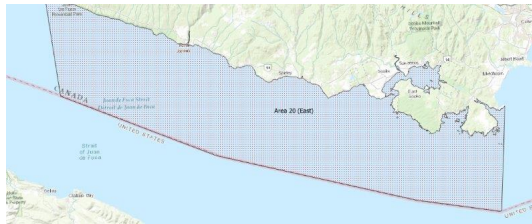


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) July 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Friday 11th February, 2022



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

Date	Day Type	Becher Bay		Flemming		Pedder Bay		Prestige Hotel Ramp		Sooke Harbour Marina	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
28 Jun 2021	Midweek					5					
29 Jun 2021	Midweek								2		
30 Jun 2021	Midweek										
01 Jul 2021	Weekend										
02 Jul 2021	Midweek		12								
03 Jul 2021	Weekend									8	
04 Jul 2021	Weekend				1						
05 Jul 2021	Midweek										1
06 Jul 2021	Midweek				1						
07 Jul 2021	Midweek										
08 Jul 2021	Midweek										
09 Jul 2021	Midweek										
10 Jul 2021	Weekend								1		
11 Jul 2021	Weekend						14				
12 Jul 2021	Midweek					11					
13 Jul 2021	Midweek		3							5	
14 Jul 2021	Midweek										
15 Jul 2021	Midweek										
16 Jul 2021	Midweek							8			
17 Jul 2021	Weekend		10			21					
18 Jul 2021	Weekend			2							
19 Jul 2021	Midweek					7		10			
20 Jul 2021	Midweek										3
21 Jul 2021	Midweek										
22 Jul 2021	Midweek										
23 Jul 2021	Midweek								4		
24 Jul 2021	Weekend							35			
25 Jul 2021	Weekend	8							5		
26 Jul 2021	Midweek						4				
27 Jul 2021	Midweek					13			6		
28 Jul 2021	Midweek	8									
29 Jul 2021	Midweek	15									
30 Jul 2021	Midweek						15				
31 Jul 2021	Weekend	15					26				8
01 Aug 2021	Weekend						29				
02 Aug 2021	Weekend		14			35					19
03 Aug 2021	Midweek	22									15

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-Jun-2021	Monday	choppy	5		1					
29-Jun-2021	Tuesday	frequent whitecaps	2							
30-Jun-2021	Wednesday		0							
01-Jul-2021	Thursday (Canada Day)		0							
02-Jul-2021	Friday	choppy	12	1				11	1329	36
03-Jul-2021	Saturday	frequent whitecaps	9		30			5	1339	18
04-Jul-2021	Sunday	choppy	2		4			74	1321	268
05-Jul-2021	Monday	frequent whitecaps	1		4					
06-Jul-2021	Tuesday	choppy	1		1			6	1252	17
07-Jul-2021	Wednesday		0							
08-Jul-2021	Thursday		0					39	1026	74
09-Jul-2021	Friday		1		1					
10-Jul-2021	Saturday	frequent whitecaps	1							
11-Jul-2021	Sunday	choppy	14		1			103	1001	145
12-Jul-2021	Monday	choppy	12		2					
13-Jul-2021	Tuesday	choppy	8		1		3			
14-Jul-2021	Wednesday		0							
15-Jul-2021	Thursday		1		1			6	1010	11
16-Jul-2021	Friday	choppy	8		3					
17-Jul-2021	Saturday	choppy	31	2	2			131	0953	196
18-Jul-2021	Sunday	frequent whitecaps	2					13	0946	19
19-Jul-2021	Monday	choppy	18		7					
20-Jul-2021	Tuesday	frequent whitecaps	4		4					
21-Jul-2021	Wednesday		0					24	1034	46
22-Jul-2021	Thursday		2		3					
23-Jul-2021	Friday	choppy	4							
24-Jul-2021	Saturday	choppy	36	9	5					
25-Jul-2021	Sunday	frequent whitecaps	14	2				65	1014	91
26-Jul-2021	Monday	frequent whitecaps	5							
27-Jul-2021	Tuesday	choppy	20							
28-Jul-2021	Wednesday	choppy	9	1				3	1009	6
29-Jul-2021	Thursday	choppy	16		1					
30-Jul-2021	Friday	frequent whitecaps	16	3	2					
31-Jul-2021	Saturday	choppy	49	4	2					
01-Aug-2021	Sunday	choppy	31	17	1		3			
02-Aug-2021	Monday (B.C. Day)	choppy	69	42	9					
03-Aug-2021	Tuesday	choppy	39	14	3			3	0835	7
	Totals	choppy	138	5	30		3	15*		32*
	Totals	choppy	158	17	44			65*		123*

* 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	32	21	672	0.036	0.217		0.022	24	146		15
Weekend	123	10	1230	0.108	0.278			133	342		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	July	5608	3223	290		117
2017	July	3594	2138	138	61	
2018	July	6600	4849	132		
2019	July	3548	0	169	0	111
2020	July	4160	121	3142	0	120
2021	July	3039	195	701	0	34
5-Yr Avg	July	4702	2066	774	20	116

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	942	98%	21%	779	89%	25%	198
Chinook	490	39%	40%	465	35%	43%	198

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	566	26%
iRec Anglers	2557	15%
iRec Anglers	3574	24%

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

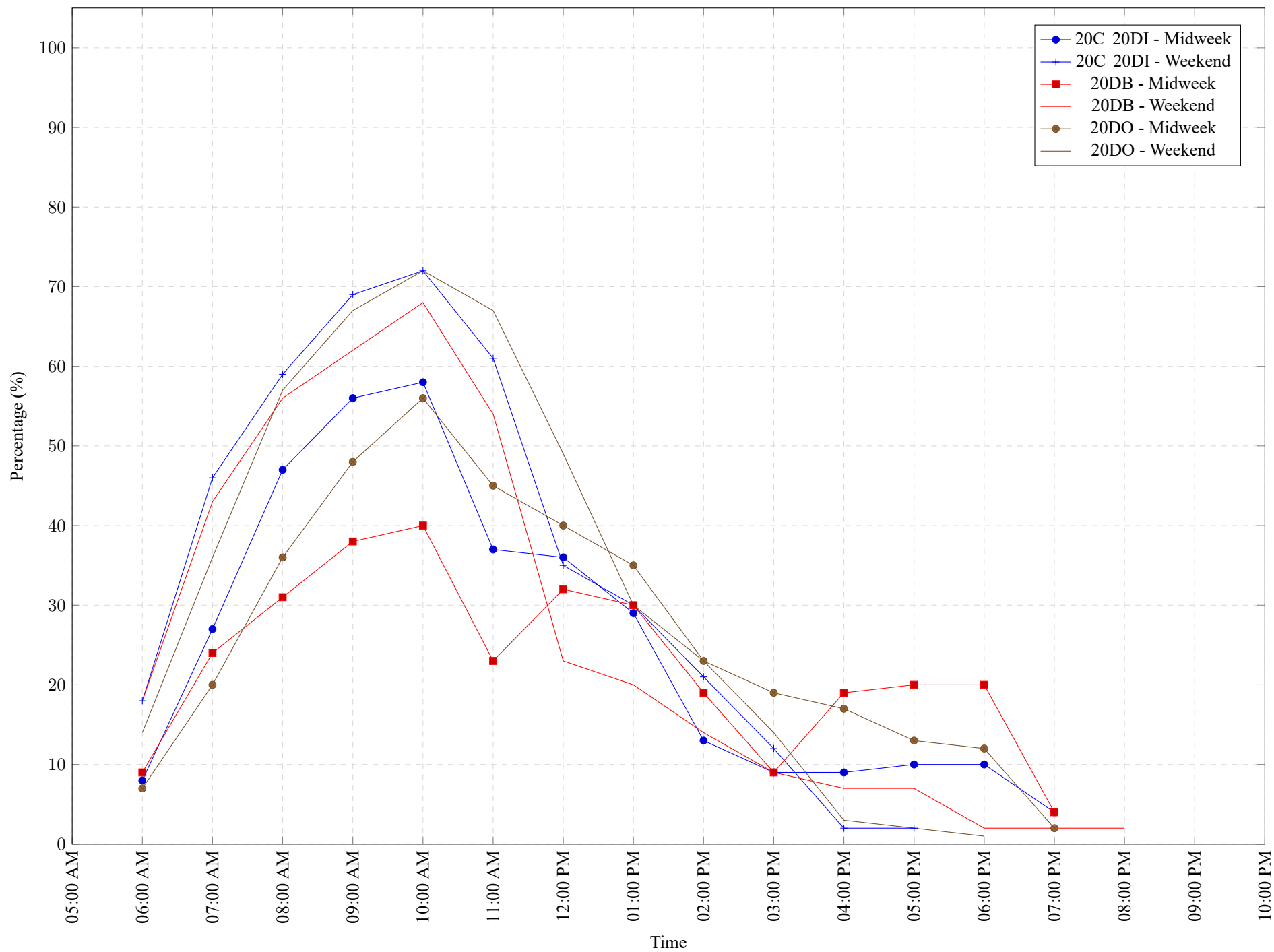


Table 7: Proportion of each day's fishing by hour.

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	8%	27%	47%	56%	58%	37%	36%	29%	13%	9%	9%	10%	10%	4%	0%	0%	0%
20C 20DI	Weekend	18%	46%	59%	69%	72%	61%	35%	30%	21%	12%	2%	2%	0%	0%	0%	0%	0%
20DB	Midweek	9%	24%	31%	38%	40%	23%	32%	30%	19%	9%	19%	20%	20%	4%	0%	0%	0%
20DB	Weekend	18%	43%	56%	62%	68%	54%	23%	20%	14%	9%	7%	7%	2%	2%	2%	0%	0%
20DO	Midweek	7%	20%	36%	48%	56%	45%	40%	35%	23%	19%	17%	13%	12%	2%	0%	0%	0%
20DO	Weekend	14%	36%	57%	67%	72%	67%	49%	30%	23%	14%	3%	2%	1%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Becher Bay	Flemming	Pedder Bay	Prestige Hotel Ramp	Sooke Harbour Marina
28 Jun 2021	Midweek			choppy		
29 Jun 2021	Midweek				frequent whitecaps	
30 Jun 2021	Midweek					
01 Jul 2021	Weekend					
02 Jul 2021	Midweek	choppy				
03 Jul 2021	Weekend					frequent whitecaps
04 Jul 2021	Weekend		choppy			
05 Jul 2021	Midweek					frequent whitecaps
06 Jul 2021	Midweek		choppy			
07 Jul 2021	Midweek					
08 Jul 2021	Midweek					
09 Jul 2021	Midweek					
10 Jul 2021	Weekend				frequent whitecaps	
11 Jul 2021	Weekend			choppy		
12 Jul 2021	Midweek			choppy		
13 Jul 2021	Midweek	frequent whitecaps				calm/rippled
14 Jul 2021	Midweek					
15 Jul 2021	Midweek					
16 Jul 2021	Midweek				choppy	
17 Jul 2021	Weekend	frequent whitecaps		choppy		
18 Jul 2021	Weekend		frequent whitecaps			
19 Jul 2021	Midweek			choppy	frequent whitecaps	
20 Jul 2021	Midweek					frequent whitecaps
21 Jul 2021	Midweek					
22 Jul 2021	Midweek					
23 Jul 2021	Midweek				choppy	
24 Jul 2021	Weekend				choppy	
25 Jul 2021	Weekend	frequent whitecaps			frequent whitecaps	
26 Jul 2021	Midweek			frequent whitecaps		
27 Jul 2021	Midweek			choppy	frequent whitecaps	
28 Jul 2021	Midweek	choppy				
29 Jul 2021	Midweek	choppy				
30 Jul 2021	Midweek			frequent whitecaps		
31 Jul 2021	Weekend	choppy		frequent whitecaps		choppy
01 Aug 2021	Weekend			choppy		
02 Aug 2021	Weekend	choppy		choppy		choppy
03 Aug 2021	Midweek	choppy				frequent whitecaps