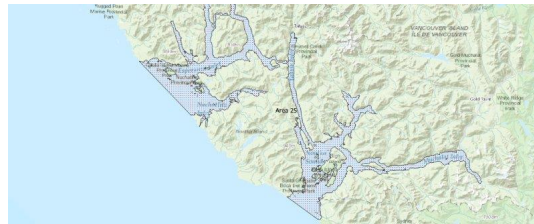


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 25 August 2019



Prepared By:

South Coast Salmon Stock Assessment Section

Wednesday 24th November, 2021



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	Cougar Creek			Moutcha Bay Resort			Westview Marina		
		AM	MD	PM	AM	MD	PM	AM	MD	PM
29 Jul 2019	Midweek					19			10	
30 Jul 2019	Midweek						26			10
31 Jul 2019	Midweek			13						11
01 Aug 2019	Midweek	19								
02 Aug 2019	Midweek	25							18	
03 Aug 2019	Weekend		23						20	
04 Aug 2019	Weekend							1		
05 Aug 2019	Weekend									
06 Aug 2019	Midweek								15	
07 Aug 2019	Midweek									
08 Aug 2019	Midweek	24							17	
09 Aug 2019	Midweek	25							11	
10 Aug 2019	Weekend						14		12	
11 Aug 2019	Weekend								13	
12 Aug 2019	Midweek					18			10	
13 Aug 2019	Midweek									13
14 Aug 2019	Midweek	16								
15 Aug 2019	Midweek	18								
16 Aug 2019	Midweek				5				11	
17 Aug 2019	Weekend	25							17	
18 Aug 2019	Weekend	15							8	
19 Aug 2019	Midweek							2		
20 Aug 2019	Midweek									
21 Aug 2019	Midweek					6				
22 Aug 2019	Midweek	7								
23 Aug 2019	Midweek	9							21	
24 Aug 2019	Weekend								21	
25 Aug 2019	Weekend								4	
26 Aug 2019	Midweek			7					5	
27 Aug 2019	Midweek						5			
28 Aug 2019	Midweek	8							9	
29 Aug 2019	Midweek		6							11
30 Aug 2019	Midweek	3								
31 Aug 2019	Weekend								14	
01 Sep 2019	Weekend									
02 Sep 2019	Weekend									
03 Sep 2019	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-2019	Monday	choppy	40	81	23	1				
30-Jul-2019	Tuesday	calm/rippled	46	70	48					
31-Jul-2019	Wednesday	calm/rippled	32	42	38		13			
01-Aug-2019	Thursday	calm/rippled	26	40	16					
02-Aug-2019	Friday	choppy	55	58	52			146	0655	416
03-Aug-2019	Saturday	choppy	55	52	54		13	0	1027	0
04-Aug-2019	Sunday	calm/rippled	13	15	20		6	222	0655	615
05-Aug-2019	Monday (B.C. Day)		4	9	13					
06-Aug-2019	Tuesday	calm/rippled	25	58	43		1			
07-Aug-2019	Wednesday		5	12	9			212	0811	328
08-Aug-2019	Thursday	calm/rippled	47	71	30					
09-Aug-2019	Friday	calm/rippled	41	47	23					
10-Aug-2019	Saturday	choppy	32	28	32		8	120	0737	209
11-Aug-2019	Sunday	calm/rippled	17	15	20		3			
12-Aug-2019	Monday	calm/rippled	40	42	35		1			
13-Aug-2019	Tuesday	calm/rippled	19	17	34					
14-Aug-2019	Wednesday	choppy	21	12	11			126	0759	200
15-Aug-2019	Thursday	choppy	25	23	16					
16-Aug-2019	Friday	calm/rippled	25	16	29					
17-Aug-2019	Saturday	calm/rippled	49	32	23		1			
18-Aug-2019	Sunday	choppy	29	23	14			90	0648	249
19-Aug-2019	Monday	calm/rippled	5	5	10					
20-Aug-2019	Tuesday		3	1	8					
21-Aug-2019	Wednesday	choppy	11	13	12					
22-Aug-2019	Thursday	choppy	10	3	8					
23-Aug-2019	Friday	calm/rippled	36	48	37			53	0742	83
24-Aug-2019	Saturday	calm/rippled	25	27	28		1	75	0749	121
25-Aug-2019	Sunday	calm/rippled	7	5	11					
26-Aug-2019	Monday	choppy	15	11	26					
27-Aug-2019	Tuesday	choppy	9	5	13			40	0749	62
28-Aug-2019	Wednesday	calm/rippled	20	20	23		1			
29-Aug-2019	Thursday	choppy	19	15	17		9			
30-Aug-2019	Friday	calm/rippled	6	12	6					
31-Aug-2019	Saturday	calm/rippled	18	7	12					
01-Sep-2019	Sunday		1	2	1					
02-Sep-2019	Monday (Labour Day)		0							
03-Sep-2019	Tuesday		1							
	Totals	calm/rippled	463	529	458		12	115*		218*
	Totals	calm/rippled	249	213	227		32	101*		239*

* 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	218	21	4578	1.143	0.989		0.026	5233	4528		119
Weekend	239	10	2390	0.855	0.912		0.129	2043	2180		308

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	August	5151	7072	282		78
2015	August	6270	12133	2282		9
2016	August	4888	2316	713		71
2017	August	5944	7709	789		29
2018	August	5456	5862	3220	7	64
2019	August	5617	5129	3068		29
5-Yr Avg	August	5542	7018	1457	7	50

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	487	19%	23%	1183	36%	10%	113
Chinook	207	4%	26%	1737	20%	3%	54

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	696	7%
iRec Anglers	13406	18%
iRec Responses	377	58%

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

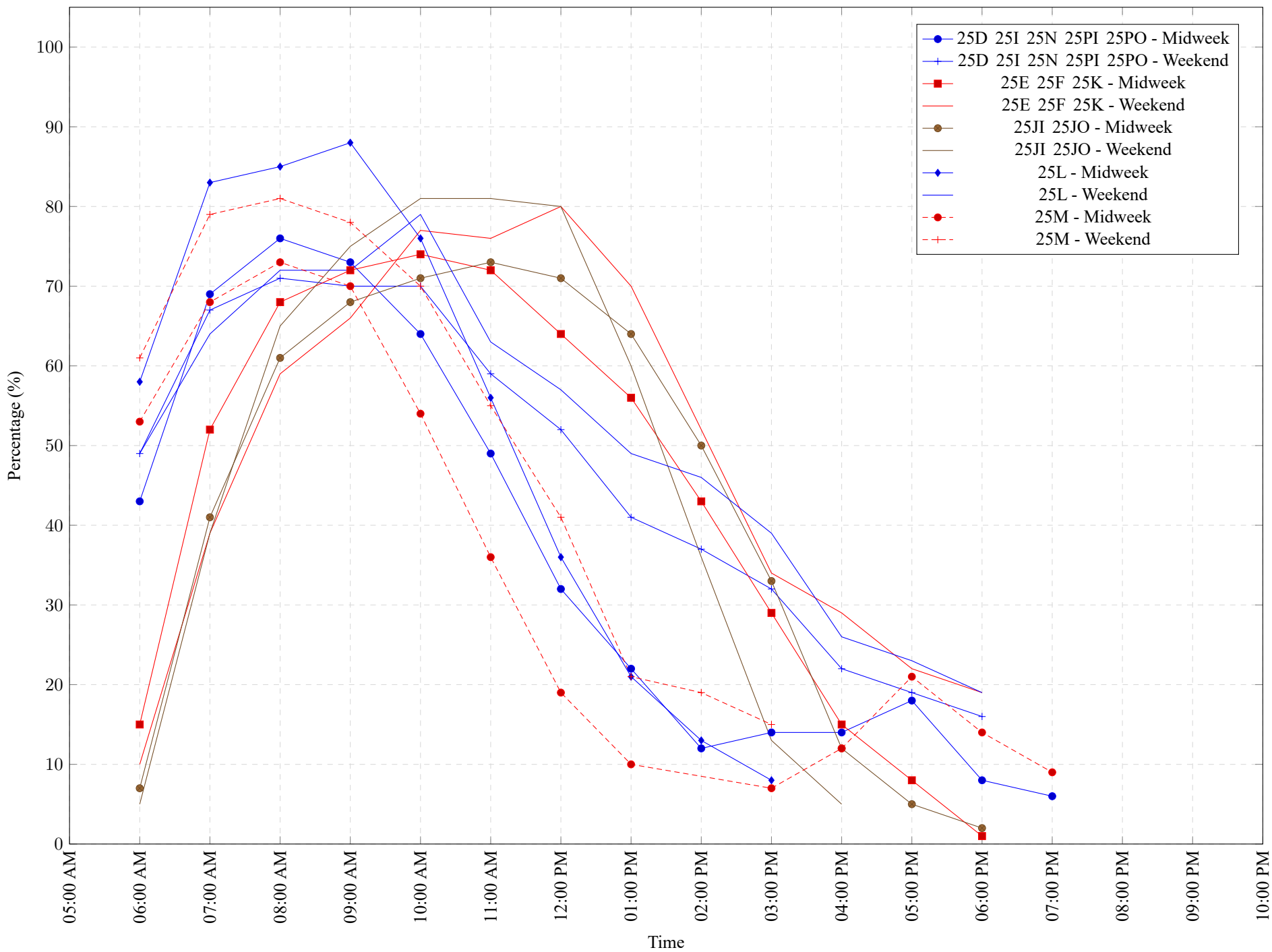


Table 7: Proportion of each day's fishing by hour.

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
25D	25I	25N	25PI	25PO	Midweek	43%	69%	76%	73%	64%	49%	32%	22%	12%	14%	14%	18%	8%	6%	0%	0%	0%
25D	25I	25N	25PI	25PO	Weekend	49%	67%	71%	70%	70%	59%	52%	41%	37%	32%	22%	19%	16%	0%	0%	0%	0%
25E	25F	25K			Midweek	15%	52%	68%	72%	74%	72%	64%	56%	43%	29%	15%	8%	1%	0%	0%	0%	0%
25E	25F	25K			Weekend	10%	39%	59%	66%	77%	76%	80%	70%	52%	34%	29%	22%	19%	0%	0%	0%	0%
25JI	25JO				Midweek	7%	41%	61%	68%	71%	73%	71%	64%	50%	33%	12%	5%	2%	0%	0%	0%	0%
25JI	25JO				Weekend	5%	39%	65%	75%	81%	81%	80%	60%	36%	13%	5%	0%	0%	0%	0%	0%	0%
25L					Midweek	58%	83%	85%	88%	76%	56%	36%	21%	13%	8%	0%	0%	0%	0%	0%	0%	0%
25L					Weekend	49%	64%	72%	72%	79%	63%	57%	49%	46%	39%	26%	23%	19%	0%	0%	0%	0%
25M					Midweek	53%	68%	73%	70%	54%	36%	19%	10%	0%	7%	12%	21%	14%	9%	0%	0%	0%
25M					Weekend	61%	79%	81%	78%	70%	55%	41%	21%	19%	15%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cougar Creek	Moutcha Bay Resort	Westview Marina
29 Jul 2019	Midweek		choppy	calm/rippled
30 Jul 2019	Midweek		calm/rippled	calm/rippled
31 Jul 2019	Midweek	choppy		calm/rippled
01 Aug 2019	Midweek	calm/rippled		
02 Aug 2019	Midweek	choppy		calm/rippled
03 Aug 2019	Weekend	frequent whitecaps		calm/rippled
04 Aug 2019	Weekend			calm/rippled
05 Aug 2019	Weekend			
06 Aug 2019	Midweek			calm/rippled
07 Aug 2019	Midweek			
08 Aug 2019	Midweek	choppy		calm/rippled
09 Aug 2019	Midweek	choppy		calm/rippled
10 Aug 2019	Weekend		frequent whitecaps	calm/rippled
11 Aug 2019	Weekend			calm/rippled
12 Aug 2019	Midweek		calm/rippled	calm/rippled
13 Aug 2019	Midweek			calm/rippled
14 Aug 2019	Midweek	choppy		
15 Aug 2019	Midweek	choppy		
16 Aug 2019	Midweek		calm/rippled	calm/rippled
17 Aug 2019	Weekend	choppy		calm/rippled
18 Aug 2019	Weekend	choppy		choppy
19 Aug 2019	Midweek			calm/rippled
20 Aug 2019	Midweek			
21 Aug 2019	Midweek		choppy	
22 Aug 2019	Midweek	choppy		
23 Aug 2019	Midweek	calm/rippled		calm/rippled
24 Aug 2019	Weekend			calm/rippled
25 Aug 2019	Weekend			calm/rippled
26 Aug 2019	Midweek	frequent whitecaps		calm/rippled
27 Aug 2019	Midweek		choppy	
28 Aug 2019	Midweek	calm/rippled		calm/rippled
29 Aug 2019	Midweek	frequent whitecaps		choppy
30 Aug 2019	Midweek	calm/rippled		
31 Aug 2019	Weekend			calm/rippled
01 Sep 2019	Weekend			
02 Sep 2019	Weekend			
03 Sep 2019	Midweek			