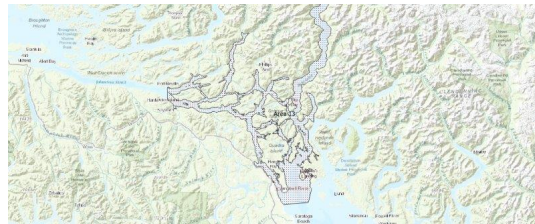


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 August 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



Fisheries and Oceans
Canada

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

Date	Day Type	Big Rock Boat Rental		Brown's Bay		Comox Mun	Discovery Marina South		Kitty Coleman	Lund	Pacific Play		Painter's
		AM	PM	AM	PM	PM	AM	PM	AM	AM	AM	PM	MD
29 Jul 2019	Midweek												
30 Jul 2019	Midweek										1		
31 Jul 2019	Midweek												
01 Aug 2019	Midweek	6						2					
02 Aug 2019	Midweek		25				4						
03 Aug 2019	Weekend											2	
04 Aug 2019	Weekend							23					
05 Aug 2019	Weekend			10									
06 Aug 2019	Midweek	29											
07 Aug 2019	Midweek					1	11						
08 Aug 2019	Midweek	20											
09 Aug 2019	Midweek										3		8
10 Aug 2019	Weekend												
11 Aug 2019	Weekend		39										
12 Aug 2019	Midweek												
13 Aug 2019	Midweek												
14 Aug 2019	Midweek											4	
15 Aug 2019	Midweek							17					
16 Aug 2019	Midweek				6								
17 Aug 2019	Weekend							20					
18 Aug 2019	Weekend	20											
19 Aug 2019	Midweek												
20 Aug 2019	Midweek				10								8
21 Aug 2019	Midweek												
22 Aug 2019	Midweek												
23 Aug 2019	Midweek		29										6
24 Aug 2019	Weekend										4		10
25 Aug 2019	Weekend												10
26 Aug 2019	Midweek												
27 Aug 2019	Midweek									1			
28 Aug 2019	Midweek							13					
29 Aug 2019	Midweek												
30 Aug 2019	Midweek			17			5						
31 Aug 2019	Weekend						4						
01 Sep 2019	Weekend								1				
02 Sep 2019	Weekend											5	
03 Sep 2019	Midweek											4	8

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		12	13				174	1054	468
30-Jul-2019	Tuesday	calm/rippled	10	9						
31-Jul-2019	Wednesday		11	10						
01-Aug-2019	Thursday	calm/rippled	18	16	1			89	1005	197
02-Aug-2019	Friday	calm/rippled	40	33				101	1018	219
03-Aug-2019	Saturday	calm/rippled	8	10				201	0955	440
04-Aug-2019	Sunday	calm/rippled	37	48	4					
05-Aug-2019	Monday (B.C. Day)	choppy	19	12	1			275	0954	606
06-Aug-2019	Tuesday	calm/rippled	40	19						
07-Aug-2019	Wednesday	calm/rippled	21	32	2			210	0948	459
08-Aug-2019	Thursday	choppy	31	31	1					
09-Aug-2019	Friday	calm/rippled	20	23						
10-Aug-2019	Saturday		11	13	1			255	0949	559
11-Aug-2019	Sunday	choppy	51	29	2					
12-Aug-2019	Monday		10	10						
13-Aug-2019	Tuesday		15	18	4					
14-Aug-2019	Wednesday	calm/rippled	16	16				192	0949	421
15-Aug-2019	Thursday	calm/rippled	28	42	3					
16-Aug-2019	Friday	choppy	17	23	3					
17-Aug-2019	Saturday	calm/rippled	32	61	1					
18-Aug-2019	Sunday	calm/rippled	31	40	1			211	0951	462
19-Aug-2019	Monday		11	9						
20-Aug-2019	Tuesday	calm/rippled	27	45	1					
21-Aug-2019	Wednesday		9	21						
22-Aug-2019	Thursday		10	15				169	0951	362
23-Aug-2019	Friday	calm/rippled	49	53	3					
24-Aug-2019	Saturday	calm/rippled	25	38						
25-Aug-2019	Sunday	calm/rippled	20	24	3			148	0952	321
26-Aug-2019	Monday		10	15	4					
27-Aug-2019	Tuesday	choppy	12	17	1					
28-Aug-2019	Wednesday	calm/rippled	25	24	1					
29-Aug-2019	Thursday		10	8	5			169	1004	364
30-Aug-2019	Friday	calm/rippled	30	43	1					
31-Aug-2019	Saturday	calm/rippled	12	11						
01-Sep-2019	Sunday		13	21				141	1206	343
02-Sep-2019	Monday (Labour Day)	calm/rippled	15	16	2					
03-Sep-2019	Tuesday	calm/rippled	20	33	3					
	Totals	calm/rippled	449	513	30			155*		337*
	Totals	calm/rippled	246	286	13			218*		478*

* 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
Weekend	478	10	4780	1.1630	0.0530			5559	253		
Midweek	337	21	7077	1.1430	0.0670			8089	474		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	August	12663	4744	3669	36215	37
2015	August	9671	13836	635	24	
2016	August	7825	8571	1421		48
2017	August	8816	9319	1302	71	
2018	August	11230	9018	1212	1708	
2019	August	7869	9527	263	0	0
5-Yr Avg	August	10041	9098	1648	9505	43

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	211	80%	16%	892	76%	4%	34
Chinook	576	6%	30%	1585	19%	11%	173

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	661	27%
iRec Anglers	21662	22%
iRec Responses	479	20%

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

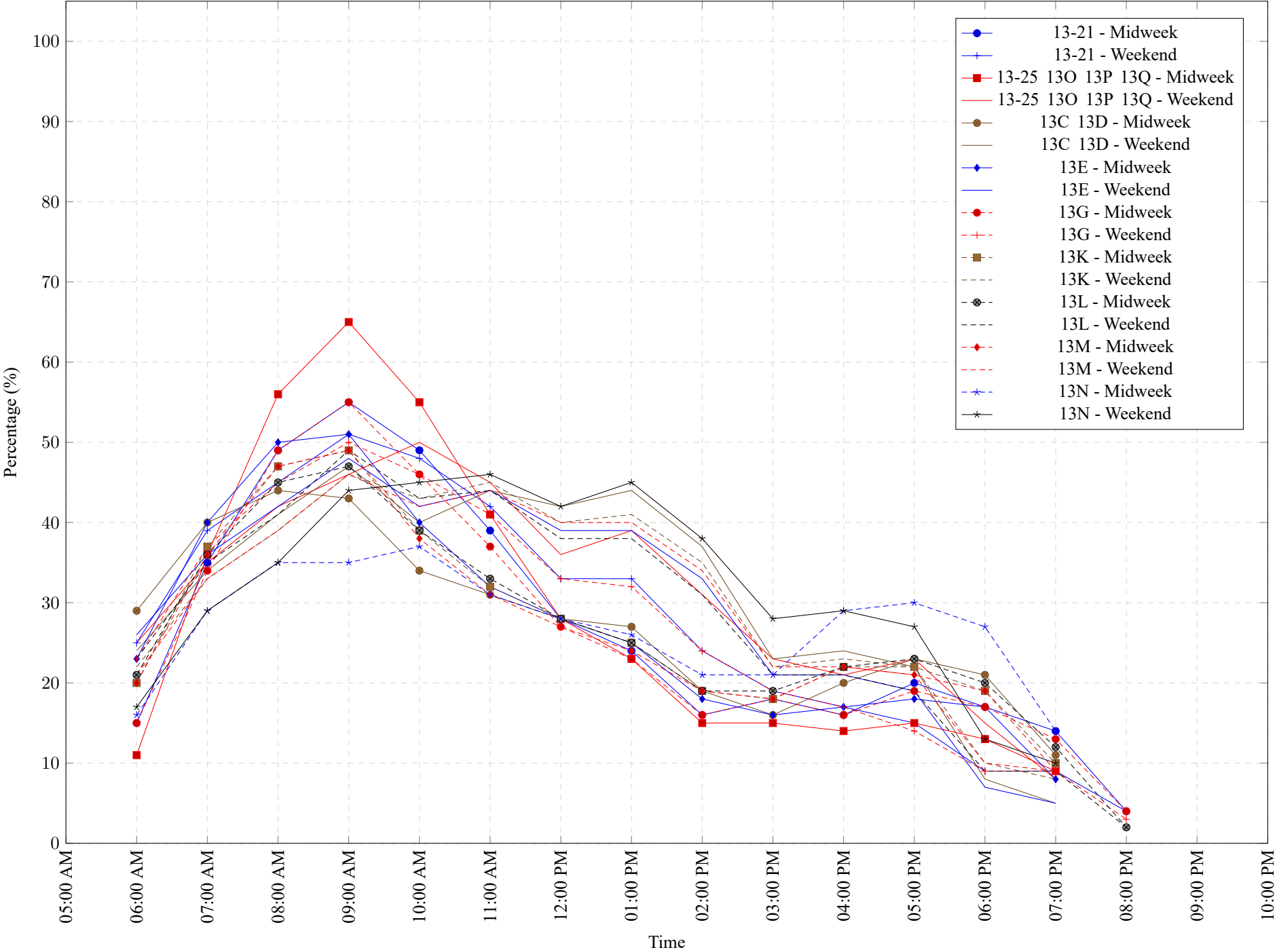


Table 7: Proportion of each day's fishing by hour.

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
13-21	Midweek	15%	35%	49%	55%	49%	39%	28%	24%	16%	18%	16%	20%	17%	14%	4%	0%	0%
13-21	Weekend	25%	39%	45%	51%	48%	42%	33%	33%	24%	19%	17%	15%	9%	9%	4%	0%	0%
13-25 13O 13P 13Q	Midweek	11%	36%	56%	65%	55%	41%	28%	23%	15%	15%	14%	15%	13%	9%	0%	0%	0%
13-25 13O 13P 13Q	Weekend	25%	35%	42%	46%	50%	45%	36%	39%	31%	23%	21%	23%	15%	8%	0%	0%	0%
13C 13D	Midweek	29%	40%	44%	43%	34%	31%	28%	27%	19%	16%	20%	23%	21%	11%	0%	0%	0%
13C 13D	Weekend	24%	34%	41%	47%	40%	44%	42%	44%	37%	23%	24%	22%	8%	5%	0%	0%	0%
13E	Midweek	23%	40%	50%	51%	40%	32%	28%	25%	18%	16%	17%	18%	17%	8%	0%	0%	0%
13E	Weekend	26%	36%	42%	48%	42%	44%	39%	39%	33%	21%	21%	19%	7%	5%	0%	0%	0%
13G	Midweek	15%	34%	49%	55%	46%	37%	27%	23%	16%	18%	16%	19%	17%	13%	4%	0%	0%
13G	Weekend	23%	37%	45%	50%	46%	41%	33%	32%	24%	19%	17%	14%	9%	9%	3%	0%	0%
13K	Midweek	20%	37%	47%	49%	39%	32%	28%	25%	19%	18%	22%	22%	19%	10%	0%	0%	0%
13K	Weekend	22%	33%	39%	46%	43%	45%	40%	41%	35%	22%	23%	22%	10%	8%	0%	0%	0%
13L	Midweek	21%	36%	45%	47%	39%	33%	28%	25%	19%	19%	22%	23%	20%	12%	2%	0%	0%
13L	Weekend	23%	35%	41%	49%	43%	44%	38%	38%	31%	21%	21%	19%	9%	9%	2%	0%	0%
13M	Midweek	20%	36%	47%	49%	38%	31%	27%	24%	19%	18%	22%	21%	19%	9%	0%	0%	0%
13M	Weekend	21%	33%	39%	46%	42%	44%	40%	40%	34%	22%	22%	21%	10%	9%	0%	0%	0%
13N	Midweek	16%	29%	35%	35%	37%	31%	28%	26%	21%	21%	29%	30%	27%	14%	0%	0%	0%
13N	Weekend	17%	29%	35%	44%	45%	46%	42%	45%	38%	28%	29%	27%	13%	10%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Brown's Bay	Comox Mun	Discovery Marina South	Kitty Coleman	Lund	Pacific Play	Painter's
29 Jul 2019	Midweek								
30 Jul 2019	Midweek							calm/rippled	
31 Jul 2019	Midweek								
01 Aug 2019	Midweek	calm/rippled			calm/rippled				
02 Aug 2019	Midweek	calm/rippled			calm/rippled				
03 Aug 2019	Weekend							calm/rippled	
04 Aug 2019	Weekend				calm/rippled				
05 Aug 2019	Weekend		choppy						
06 Aug 2019	Midweek	calm/rippled							
07 Aug 2019	Midweek			calm/rippled	calm/rippled				
08 Aug 2019	Midweek	choppy							
09 Aug 2019	Midweek							calm/rippled	calm/rippled
10 Aug 2019	Weekend								
11 Aug 2019	Weekend	choppy							
12 Aug 2019	Midweek								
13 Aug 2019	Midweek								
14 Aug 2019	Midweek							calm/rippled	
15 Aug 2019	Midweek				calm/rippled				
16 Aug 2019	Midweek		choppy						
17 Aug 2019	Weekend				calm/rippled				
18 Aug 2019	Weekend	calm/rippled							
19 Aug 2019	Midweek								
20 Aug 2019	Midweek		calm/rippled						choppy
21 Aug 2019	Midweek								
22 Aug 2019	Midweek								
23 Aug 2019	Midweek	calm/rippled							calm/rippled
24 Aug 2019	Weekend							calm/rippled	calm/rippled
25 Aug 2019	Weekend								calm/rippled
26 Aug 2019	Midweek								
27 Aug 2019	Midweek						choppy		
28 Aug 2019	Midweek				calm/rippled				
29 Aug 2019	Midweek								
30 Aug 2019	Midweek		calm/rippled		calm/rippled				
31 Aug 2019	Weekend				calm/rippled				
01 Sep 2019	Weekend					calm/rippled		calm/rippled	
02 Sep 2019	Weekend							calm/rippled	
03 Sep 2019	Midweek							calm/rippled	calm/rippled