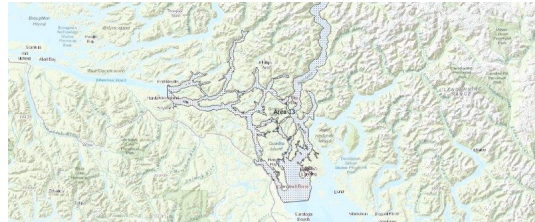


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 July 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



Fisheries and Oceans
Canada

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Canada



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		Discovery Marina South		Pacific Play		Painter's
		AM	PM	AM	PM	AM	PM	AM	PM	
28 Jun 2019	Midweek	2								
29 Jun 2019	Weekend	9					12			
30 Jun 2019	Weekend					12				3
01 Jul 2019	Weekend									
02 Jul 2019	Midweek						1			
03 Jul 2019	Midweek				1					
04 Jul 2019	Midweek								1	
05 Jul 2019	Midweek						2			
06 Jul 2019	Weekend				2					
07 Jul 2019	Weekend						3			
08 Jul 2019	Midweek						3			
09 Jul 2019	Midweek		12	2						
10 Jul 2019	Midweek									4
11 Jul 2019	Midweek	3								
12 Jul 2019	Midweek									
13 Jul 2019	Weekend					9				5
14 Jul 2019	Weekend									3
15 Jul 2019	Midweek					12				
16 Jul 2019	Midweek		20							
17 Jul 2019	Midweek		5							
18 Jul 2019	Midweek	20								
19 Jul 2019	Midweek					16				
20 Jul 2019	Weekend	32					4			
21 Jul 2019	Weekend		24					3		
22 Jul 2019	Midweek									
23 Jul 2019	Midweek								3	11
24 Jul 2019	Midweek									
25 Jul 2019	Midweek					6				
26 Jul 2019	Midweek									8
27 Jul 2019	Weekend									
28 Jul 2019	Weekend									
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	

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-2019	Friday	calm/rippled	6							
29-Jun-2019	Saturday	calm/rippled	28		4			74	1045	153
30-Jun-2019	Sunday	calm/rippled	20							
01-Jul-2019	Monday (Canada Day)		7							
02-Jul-2019	Tuesday	calm/rippled	5							
03-Jul-2019	Wednesday	calm/rippled	8							
04-Jul-2019	Thursday	calm/rippled	6					41	1059	117
05-Jul-2019	Friday	calm/rippled	12		1					
06-Jul-2019	Saturday	calm/rippled	25	1				18	1259	41
07-Jul-2019	Sunday	choppy	21					82	1037	175
08-Jul-2019	Monday	calm/rippled	9	1						
09-Jul-2019	Tuesday	calm/rippled	21					61	1052	176
10-Jul-2019	Wednesday	frequent whitecaps	8							
11-Jul-2019	Thursday	choppy	8	1						
12-Jul-2019	Friday		11	1						
13-Jul-2019	Saturday	calm/rippled	17		1					
14-Jul-2019	Sunday	calm/rippled	7					55	1058	115
15-Jul-2019	Monday	calm/rippled	18	36	2					
16-Jul-2019	Tuesday	calm/rippled	33	29	1			152	1044	449
17-Jul-2019	Wednesday	choppy	19	11						
18-Jul-2019	Thursday	calm/rippled	35	48				178	1052	523
19-Jul-2019	Friday	calm/rippled	34	52	3			151	1045	444
20-Jul-2019	Saturday	calm/rippled	53	37	2					
21-Jul-2019	Sunday	calm/rippled	35	25				188	1047	389
22-Jul-2019	Monday		13	10						
23-Jul-2019	Tuesday	calm/rippled	30	39	2					
24-Jul-2019	Wednesday		14	15						
25-Jul-2019	Thursday	calm/rippled	19	26				123	1052	356
26-Jul-2019	Friday	calm/rippled	28	34						
27-Jul-2019	Saturday		16	11				236	1052	491
28-Jul-2019	Sunday		11	11						
29-Jul-2019	Monday		12	13				174	1054	510
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	223
02-Aug-2019	Friday	calm/rippled	40	33				101	1018	248
03-Aug-2019	Saturday	calm/rippled	8	10				201	0955	442
	Totals	calm/rippled	364	335	9			126*		368*
	Totals	calm/rippled	192	85	3			116*		242*

* 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	242	9	2178	0.4430	0.0160			965	35		
Midweek	368	22	8096	0.92	0.0250			7448	202		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	July	8063	9521	3183		53
2015	July	8937	7595	465		31
2016	July	6733	4911	1470		2
2017	July	8000	6111	408		
2018	July	9363	7890	2383		
2019	July	6784	6024	293		0
5-Yr Avg	July	8219	7206	1582		29

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	265	90%	11%	684	100%	4%	28
Chinook	835	14%	13%	633	13%	17%	109

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	507	27%
iRec Anglers	13939	21%
iRec Responses	364	22%

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

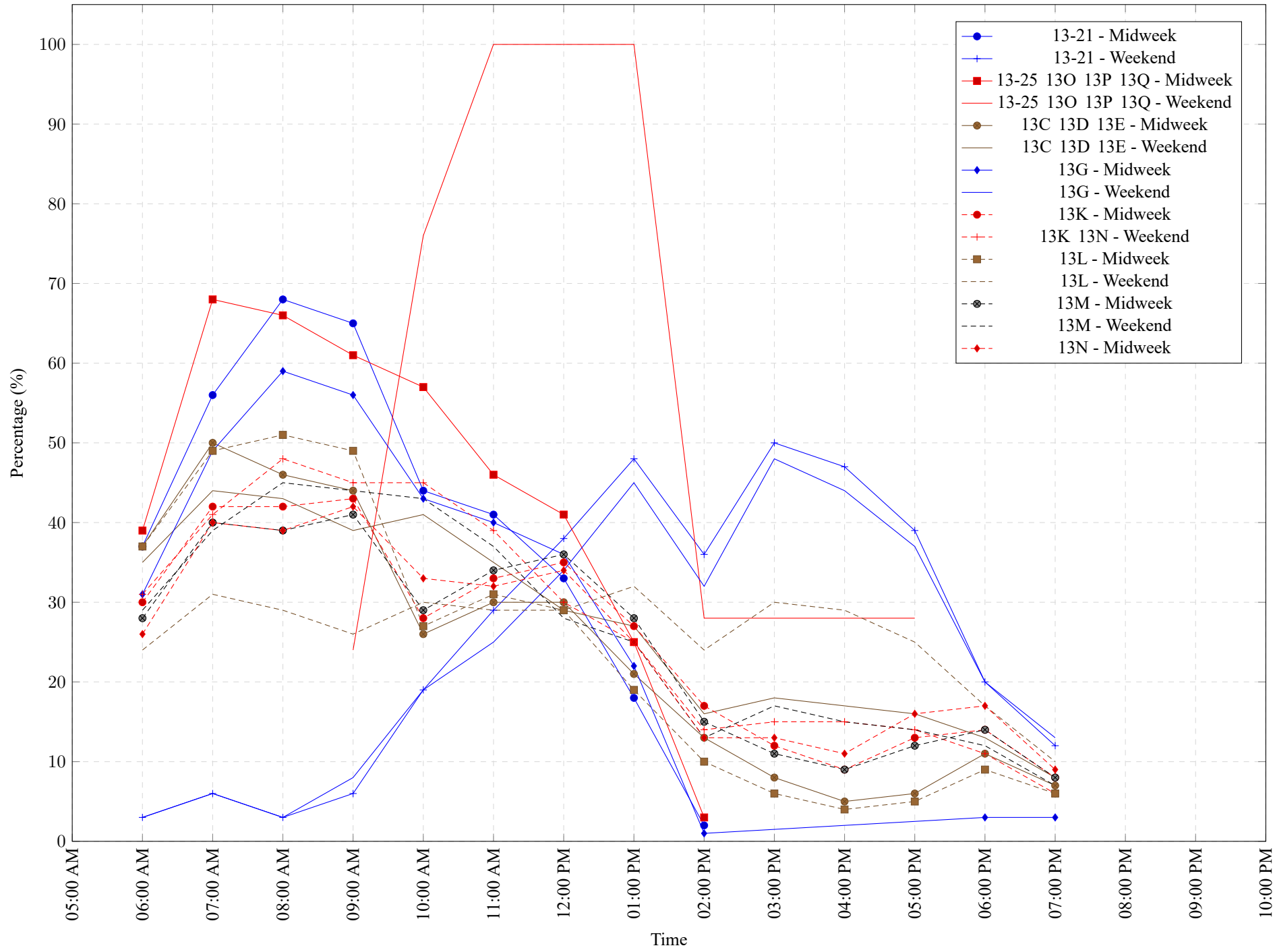


Table 7: Proportion of each day's fishing by hour.

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	37%	56%	68%	65%	44%	41%	33%	18%	2%	0%	0%	0%	0%	0%	0%	0%	0%
13-21	Weekend	3%	6%	3%	6%	19%	29%	38%	48%	36%	50%	47%	39%	20%	12%	0%	0%	0%
13-25 13O 13P 13Q	Midweek	39%	68%	66%	61%	57%	46%	41%	25%	3%	0%	0%	0%	0%	0%	0%	0%	0%
13-25 13O 13P 13Q	Weekend	0%	0%	0%	24%	76%	100%	100%	100%	28%	28%	28%	28%	0%	0%	0%	0%	0%
13C 13D 13E	Midweek	37%	50%	46%	44%	26%	30%	30%	21%	13%	8%	5%	6%	11%	7%	0%	0%	0%
13C 13D 13E	Weekend	35%	44%	43%	39%	41%	35%	29%	27%	16%	18%	17%	16%	13%	8%	0%	0%	0%
13G	Midweek	31%	49%	59%	56%	43%	40%	36%	22%	1%	0%	0%	0%	3%	3%	0%	0%	0%
13G	Weekend	3%	6%	3%	8%	19%	25%	34%	45%	32%	48%	44%	37%	20%	13%	0%	0%	0%
13K	Midweek	30%	42%	42%	43%	28%	33%	35%	27%	17%	12%	9%	13%	14%	8%	0%	0%	0%
13K 13N	Weekend	31%	41%	48%	45%	45%	39%	30%	25%	14%	15%	15%	14%	11%	6%	0%	0%	0%
13L	Midweek	37%	49%	51%	49%	27%	31%	29%	19%	10%	6%	4%	5%	9%	6%	0%	0%	0%
13L	Weekend	24%	31%	29%	26%	30%	29%	29%	32%	24%	30%	29%	25%	17%	10%	0%	0%	0%
13M	Midweek	28%	40%	39%	41%	29%	34%	36%	28%	15%	11%	9%	12%	14%	8%	0%	0%	0%
13M	Weekend	29%	39%	45%	44%	43%	37%	28%	25%	13%	17%	15%	14%	12%	7%	0%	0%	0%
13N	Midweek	26%	40%	39%	42%	33%	32%	34%	25%	13%	13%	11%	16%	17%	9%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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