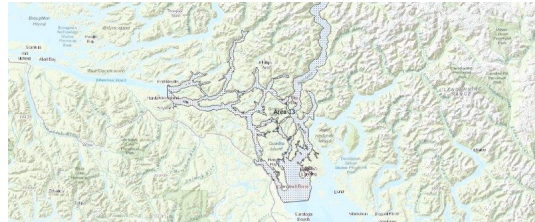


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 July 2020



Prepared By:
South Coast Salmon Stock Assessment Section

Tuesday 2nd February, 2021



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		Lund	Pacific Play		Painter's
		AM	PM	AM	PM	AM	PM	PM	AM	PM	MD
28 Jun 2020	Weekend						5				
29 Jun 2020	Midweek										
30 Jun 2020	Midweek										
01 Jul 2020	Weekend						7				
02 Jul 2020	Midweek										
03 Jul 2020	Midweek					3					
04 Jul 2020	Weekend		21								
05 Jul 2020	Weekend										
06 Jul 2020	Midweek										
07 Jul 2020	Midweek										
08 Jul 2020	Midweek										
09 Jul 2020	Midweek				2						
10 Jul 2020	Midweek										
11 Jul 2020	Weekend										
12 Jul 2020	Weekend						10			2	
13 Jul 2020	Midweek										
14 Jul 2020	Midweek										
15 Jul 2020	Midweek	34									
16 Jul 2020	Midweek						17				
17 Jul 2020	Midweek										
18 Jul 2020	Weekend		31								
19 Jul 2020	Weekend										
20 Jul 2020	Midweek										
21 Jul 2020	Midweek		30								
22 Jul 2020	Midweek					13					1
23 Jul 2020	Midweek								2		
24 Jul 2020	Midweek	23		3							
25 Jul 2020	Weekend	26						2			2
26 Jul 2020	Weekend				3						
27 Jul 2020	Midweek										
28 Jul 2020	Midweek										
29 Jul 2020	Midweek										
30 Jul 2020	Midweek										
31 Jul 2020	Midweek						18				
01 Aug 2020	Weekend										
02 Aug 2020	Weekend		13								
03 Aug 2020	Weekend										

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-2020	Sunday	frequent whitecaps	7							
29-Jun-2020	Monday		8					39	1058	140
30-Jun-2020	Tuesday		5							
01-Jul-2020	Wednesday (Canada Day)	frequent whitecaps	11	6	1			40	1007	135
02-Jul-2020	Thursday		4	5						
03-Jul-2020	Friday	choppy	9	6				17	1001	54
04-Jul-2020	Saturday	calm/rippled	30	7				91	1002	303
05-Jul-2020	Sunday		5	6				78	1002	262
06-Jul-2020	Monday		6	8						
07-Jul-2020	Tuesday		3	5				30	0956	92
08-Jul-2020	Wednesday		2							
09-Jul-2020	Thursday	calm/rippled	5	4				2	1212	8
10-Jul-2020	Friday		4	3						
11-Jul-2020	Saturday		5	5				30	1000	101
12-Jul-2020	Sunday	calm/rippled	15	1						
13-Jul-2020	Monday		4	1						
14-Jul-2020	Tuesday		1	3						
15-Jul-2020	Wednesday	choppy	40	70	1		1	195	0959	625
16-Jul-2020	Thursday	choppy	20	42						
17-Jul-2020	Friday		8	7				110	1000	347
18-Jul-2020	Saturday	choppy	43	47	1			191	1000	643
19-Jul-2020	Sunday		11	12						
20-Jul-2020	Monday		7	7						
21-Jul-2020	Tuesday	calm/rippled	34	47				115	1000	369
22-Jul-2020	Wednesday	choppy	20	26						
23-Jul-2020	Thursday	calm/rippled	6	9	1					
24-Jul-2020	Friday	choppy	29	14	2					
25-Jul-2020	Saturday	choppy	32	28	1			248	0959	836
26-Jul-2020	Sunday	calm/rippled	7	4						
27-Jul-2020	Monday		9	14						
28-Jul-2020	Tuesday		6	13				126	0948	398
29-Jul-2020	Wednesday		4	3						
30-Jul-2020	Thursday		5	7						
31-Jul-2020	Friday	choppy	23	29						
01-Aug-2020	Saturday		10	14				234	0855	799
02-Aug-2020	Sunday	choppy	17	14						
03-Aug-2020	Monday (B.C. Day)		7	8						
	Totals	choppy	249	323	4		1	85*		270*
	Totals	choppy	159	116	3			113*		380*

* 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	380	9	3420	0.73	0.0190			2497	65		
Midweek	270	22	5940	1.2970	0.0160		0.0040	7704	95		24

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2020	July	4939	4687	112	0	1
5-Yr Avg	July	7963	6506	1004		11

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	397	13%
iRec Anglers	10714	14%

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

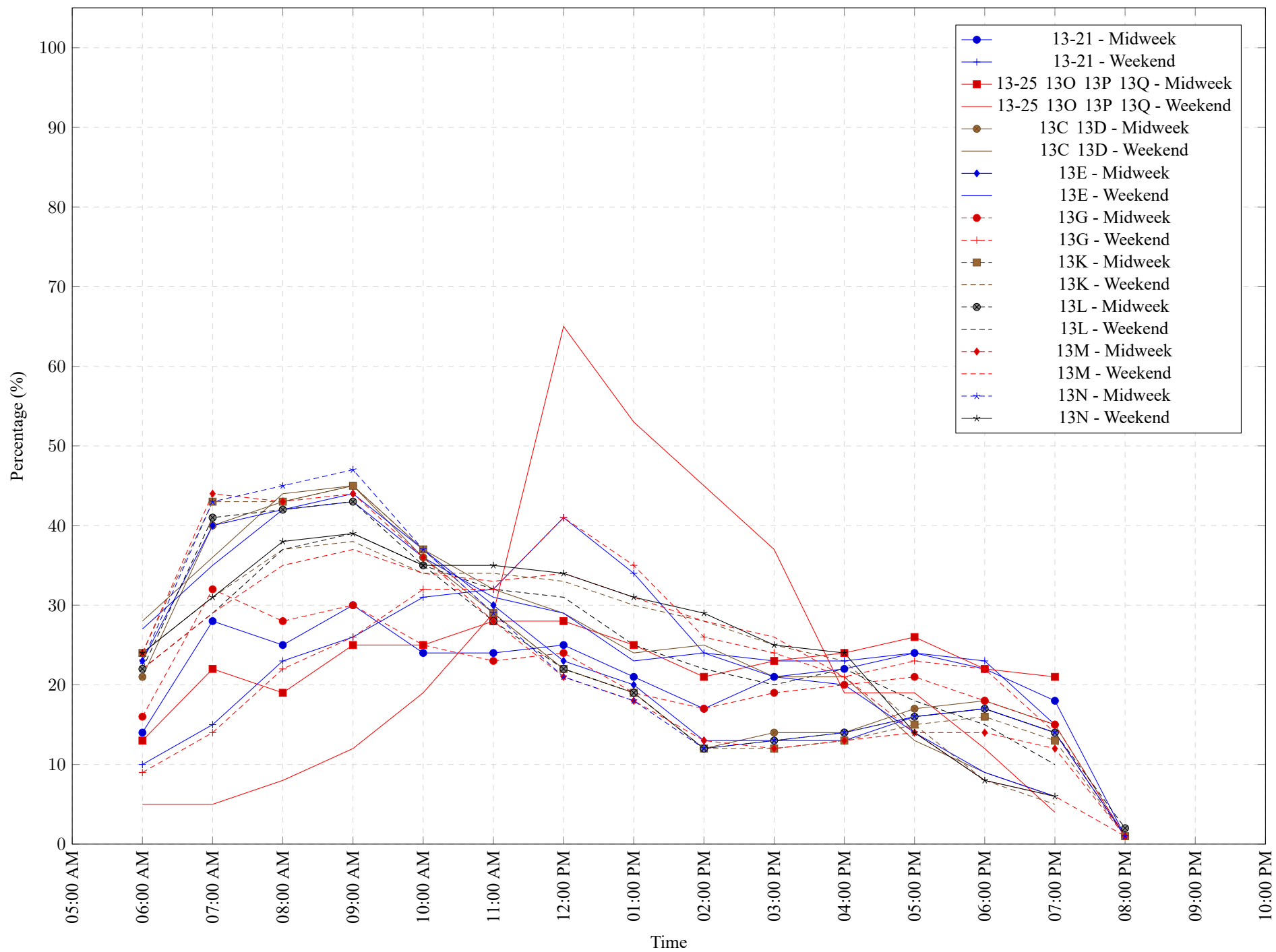


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00 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	14%	28%	25%	30%	24%	24%	25%	21%	17%	21%	22%	24%	22%	18%	1%	0%	0%
13-21	Weekend	10%	15%	23%	26%	31%	32%	41%	34%	24%	23%	23%	24%	23%	15%	0%	0%	0%
13-25 13O 13P 13Q	Midweek	13%	22%	19%	25%	25%	28%	28%	25%	21%	23%	24%	26%	22%	21%	0%	0%	0%
13-25 13O 13P 13Q	Weekend	5%	5%	8%	12%	19%	29%	65%	53%	45%	37%	19%	19%	12%	4%	0%	0%	0%
13C 13D	Midweek	21%	40%	43%	45%	36%	29%	22%	19%	12%	14%	14%	17%	18%	15%	1%	0%	0%
13C 13D	Weekend	28%	36%	44%	45%	37%	32%	29%	24%	25%	21%	21%	13%	9%	6%	0%	0%	0%
13E	Midweek	23%	40%	42%	44%	37%	30%	23%	20%	13%	13%	13%	16%	17%	14%	1%	0%	0%
13E	Weekend	27%	35%	42%	43%	36%	31%	29%	23%	24%	21%	20%	14%	9%	6%	0%	0%	0%
13G	Midweek	16%	32%	28%	30%	25%	23%	24%	19%	17%	19%	20%	21%	18%	15%	1%	0%	0%
13G	Weekend	9%	14%	22%	26%	32%	32%	41%	35%	26%	24%	21%	23%	22%	14%	1%	0%	0%
13K	Midweek	24%	43%	43%	45%	37%	29%	22%	19%	12%	12%	13%	15%	16%	13%	1%	0%	0%
13K	Weekend	24%	31%	37%	38%	34%	34%	33%	30%	28%	25%	23%	15%	8%	5%	0%	0%	0%
13L	Midweek	22%	41%	42%	43%	35%	28%	22%	19%	12%	13%	14%	16%	17%	14%	2%	0%	0%
13L	Weekend	22%	29%	37%	39%	35%	32%	31%	25%	22%	20%	22%	18%	15%	10%	0%	0%	0%
13M	Midweek	24%	44%	43%	44%	36%	28%	21%	18%	13%	12%	13%	14%	14%	12%	1%	0%	0%
13M	Weekend	22%	29%	35%	37%	34%	33%	34%	31%	28%	26%	21%	14%	8%	6%	1%	0%	0%
13N	Midweek	23%	43%	45%	47%	37%	29%	21%	18%	12%	13%	14%	16%	17%	14%	1%	0%	0%
13N	Weekend	24%	31%	38%	39%	35%	35%	34%	31%	29%	25%	24%	14%	8%	6%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Brown's Bay	Discovery Marina South	Lund	Pacific Play	Painter's
28 Jun 2020	Weekend			frequent whitecaps			
29 Jun 2020	Midweek						
30 Jun 2020	Midweek						
01 Jul 2020	Weekend			frequent whitecaps			
02 Jul 2020	Midweek						
03 Jul 2020	Midweek			choppy			
04 Jul 2020	Weekend	calm/rippled					
05 Jul 2020	Weekend						
06 Jul 2020	Midweek						
07 Jul 2020	Midweek						
08 Jul 2020	Midweek						
09 Jul 2020	Midweek		calm/rippled				
10 Jul 2020	Midweek						
11 Jul 2020	Weekend						
12 Jul 2020	Weekend			calm/rippled		calm/rippled	
13 Jul 2020	Midweek						
14 Jul 2020	Midweek						
15 Jul 2020	Midweek	choppy					
16 Jul 2020	Midweek			choppy			
17 Jul 2020	Midweek						
18 Jul 2020	Weekend	choppy					
19 Jul 2020	Weekend						
20 Jul 2020	Midweek						
21 Jul 2020	Midweek	calm/rippled					
22 Jul 2020	Midweek			choppy			calm/rippled
23 Jul 2020	Midweek					calm/rippled	
24 Jul 2020	Midweek	choppy	calm/rippled				
25 Jul 2020	Weekend	choppy			choppy		calm/rippled
26 Jul 2020	Weekend		calm/rippled				
27 Jul 2020	Midweek						
28 Jul 2020	Midweek						
29 Jul 2020	Midweek						
30 Jul 2020	Midweek						
31 Jul 2020	Midweek			choppy			
01 Aug 2020	Weekend						
02 Aug 2020	Weekend	choppy					
03 Aug 2020	Weekend						