

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) April 2019



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



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

Date	Day Type	Jock's Dock (Crab Shack)		Pedder Bay	
		AM	PM	AM	PM
29 Mar 2019	Midweek				
30 Mar 2019	Weekend				
31 Mar 2019	Weekend				
01 Apr 2019	Midweek				
02 Apr 2019	Midweek				
03 Apr 2019	Midweek				
04 Apr 2019	Midweek				
05 Apr 2019	Midweek				
06 Apr 2019	Weekend				
07 Apr 2019	Weekend				
08 Apr 2019	Midweek				
09 Apr 2019	Midweek				4
10 Apr 2019	Midweek				
11 Apr 2019	Midweek	1			
12 Apr 2019	Midweek				
13 Apr 2019	Weekend			6	
14 Apr 2019	Weekend		4		
15 Apr 2019	Midweek		1		
16 Apr 2019	Midweek				
17 Apr 2019	Midweek				
18 Apr 2019	Midweek				
19 Apr 2019	Weekend				
20 Apr 2019	Weekend		10		
21 Apr 2019	Weekend	5			1
22 Apr 2019	Midweek				
23 Apr 2019	Midweek	1			
24 Apr 2019	Midweek				
25 Apr 2019	Midweek				
26 Apr 2019	Midweek				
27 Apr 2019	Weekend				
28 Apr 2019	Weekend				9
29 Apr 2019	Midweek		2		
30 Apr 2019	Midweek			2	
01 May 2019	Midweek				
02 May 2019	Midweek				
03 May 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-Mar-2019	Friday		0							
30-Mar-2019	Saturday		1	1						
31-Mar-2019	Sunday		0							
01-Apr-2019	Monday		0							
02-Apr-2019	Tuesday		0							
03-Apr-2019	Wednesday		0							
04-Apr-2019	Thursday		0					13	1116	21
05-Apr-2019	Friday		0							
06-Apr-2019	Saturday		0							
07-Apr-2019	Sunday		1	1						
08-Apr-2019	Monday		0							
09-Apr-2019	Tuesday	frequent whitecaps	4							
10-Apr-2019	Wednesday		0							
11-Apr-2019	Thursday	choppy	1					10	1136	16
12-Apr-2019	Friday		1	2						
13-Apr-2019	Saturday	choppy	6	3						
14-Apr-2019	Sunday	large swells	4					7	1131	9
15-Apr-2019	Monday	choppy	1							
16-Apr-2019	Tuesday		0							
17-Apr-2019	Wednesday		0							
18-Apr-2019	Thursday		0							
19-Apr-2019	Friday (Good Friday)		0							
20-Apr-2019	Saturday	choppy	10				2	43	1120	57
21-Apr-2019	Sunday	choppy	6				1			
22-Apr-2019	Monday		0							
23-Apr-2019	Tuesday	calm/rippled	1							
24-Apr-2019	Wednesday		0							
25-Apr-2019	Thursday		0					6	1119	10
26-Apr-2019	Friday		0							
27-Apr-2019	Saturday		0					11	1119	14
28-Apr-2019	Sunday	calm/rippled	9							
29-Apr-2019	Monday	choppy	2				3			
30-Apr-2019	Tuesday	calm/rippled	2							
01-May-2019	Wednesday		0							
02-May-2019	Thursday		0							
03-May-2019	Friday		0							
	Totals	choppy	12	2			3	10*		16*
	Totals	choppy	36	4			3	20*		27*

* 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	16	21	336	0.1670			0.25	56			84
Weekend	27	9	243	0.1110			0.0830	27			20

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	April	661	204			91
2015	April	1293	217			281
2016	April	959	329			37
2017	April	796	496			43
2018	April	659	204			51
2019	April	593	29			173
5-Yr Avg	April	874	290			101

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
Chinook	29	100%	69%	68	61%	29%	20

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	46	4%
iRec Anglers	906	34%
iRec Responses	52	19%

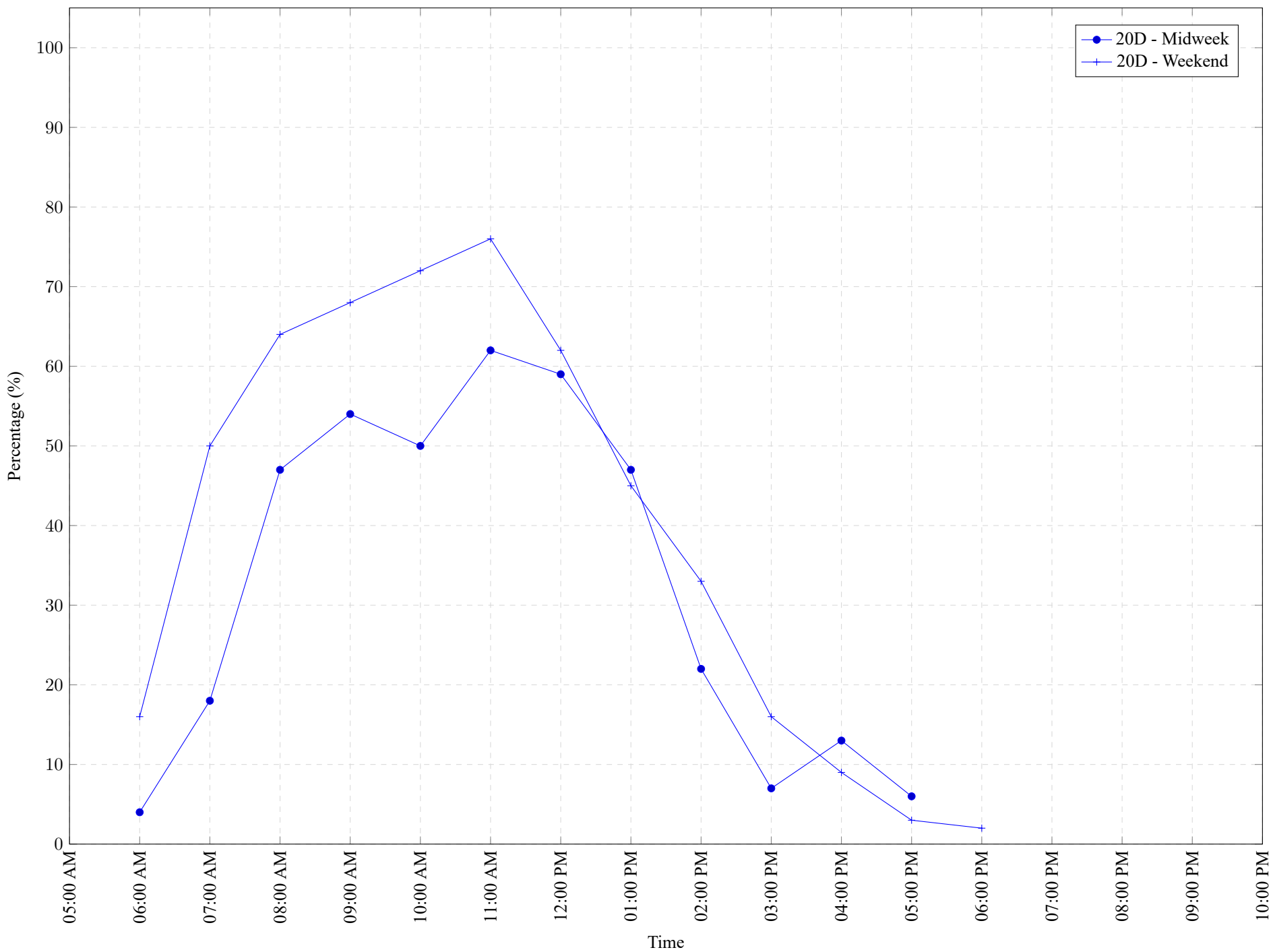
Figure 1: Proportion of each day's fishing by hour.

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
20D	Midweek	4%	18%	47%	54%	50%	62%	59%	47%	22%	7%	13%	6%	0%	0%	0%	0%	0%
20D	Weekend	16%	50%	64%	68%	72%	76%	62%	45%	33%	16%	9%	3%	2%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Jock's Dock (Crab Shack)	Pedder Bay
29 Mar 2019	Midweek		
30 Mar 2019	Weekend		
31 Mar 2019	Weekend		
01 Apr 2019	Midweek		
02 Apr 2019	Midweek		
03 Apr 2019	Midweek		
04 Apr 2019	Midweek		
05 Apr 2019	Midweek		
06 Apr 2019	Weekend		
07 Apr 2019	Weekend		
08 Apr 2019	Midweek		
09 Apr 2019	Midweek		frequent whitecaps
10 Apr 2019	Midweek		
11 Apr 2019	Midweek	choppy	
12 Apr 2019	Midweek		
13 Apr 2019	Weekend		choppy
14 Apr 2019	Weekend	large swells	
15 Apr 2019	Midweek	choppy	
16 Apr 2019	Midweek		
17 Apr 2019	Midweek		
18 Apr 2019	Midweek		
19 Apr 2019	Weekend		
20 Apr 2019	Weekend	choppy	
21 Apr 2019	Weekend	choppy	frequent whitecaps
22 Apr 2019	Midweek		
23 Apr 2019	Midweek	calm/rippled	
24 Apr 2019	Midweek		
25 Apr 2019	Midweek		
26 Apr 2019	Midweek		
27 Apr 2019	Weekend		
28 Apr 2019	Weekend		calm/rippled
29 Apr 2019	Midweek	choppy	
30 Apr 2019	Midweek		calm/rippled
01 May 2019	Midweek		
02 May 2019	Midweek		
03 May 2019	Midweek		