

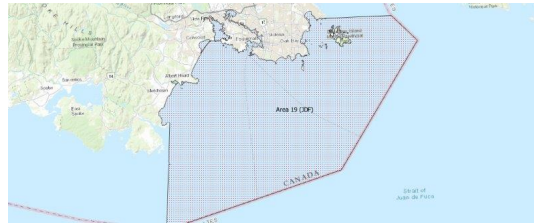
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 19 (JDF) October 2022



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Thursday 19<sup>th</sup> January, 2023



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

Date	Day Type	Cattle Point		Flemming		Pedder Bay		Sooke Harbour Marina PM
		AM	PM	AM	PM	AM	PM	
28 Sep 2022	Midweek							1
29 Sep 2022	Midweek	3						
30 Sep 2022	Midweek							
01 Oct 2022	Weekend		13					
02 Oct 2022	Weekend				27	3		
03 Oct 2022	Midweek							
04 Oct 2022	Midweek							
05 Oct 2022	Midweek							
06 Oct 2022	Midweek		4		15			
07 Oct 2022	Midweek							
08 Oct 2022	Weekend						6	
09 Oct 2022	Weekend							
10 Oct 2022	Weekend	4		6				
11 Oct 2022	Midweek	3						
12 Oct 2022	Midweek		2					
13 Oct 2022	Midweek							
14 Oct 2022	Midweek		7				4	
15 Oct 2022	Weekend	2					8	
16 Oct 2022	Weekend			7				
17 Oct 2022	Midweek							
18 Oct 2022	Midweek							
19 Oct 2022	Midweek				6			
20 Oct 2022	Midweek							
21 Oct 2022	Midweek							
22 Oct 2022	Weekend				5			
23 Oct 2022	Weekend		4	7		5		
24 Oct 2022	Midweek							
25 Oct 2022	Midweek							
26 Oct 2022	Midweek							
27 Oct 2022	Midweek							
28 Oct 2022	Midweek				2			
29 Oct 2022	Weekend							
30 Oct 2022	Weekend							
31 Oct 2022	Midweek							
01 Nov 2022	Midweek							
02 Nov 2022	Midweek							
03 Nov 2022	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
28-Sep-2022	Wednesday	choppy	1				1			
29-Sep-2022	Thursday	calm/rippled	3							
30-Sep-2022	Friday		0							
01-Oct-2022	Saturday	calm/rippled	13	4	3			65	1045	131
02-Oct-2022	Sunday	calm/rippled	30		24		2			
03-Oct-2022	Monday		0							
04-Oct-2022	Tuesday		0					12	1130	16
05-Oct-2022	Wednesday		0							
06-Oct-2022	Thursday	calm/rippled	19	4	9		1			
07-Oct-2022	Friday		0							
08-Oct-2022	Saturday	choppy	6				1			
09-Oct-2022	Sunday		0							
10-Oct-2022	Monday (Thanksgiving)	choppy	10							
11-Oct-2022	Tuesday	calm/rippled	3	1						
12-Oct-2022	Wednesday	calm/rippled	2					12	1050	19
13-Oct-2022	Thursday		0							
14-Oct-2022	Friday	calm/rippled	11					34	1042	52
15-Oct-2022	Saturday	choppy	10							
16-Oct-2022	Sunday	choppy	7					16	1051	32
17-Oct-2022	Monday		0					14	1049	21
18-Oct-2022	Tuesday		0							
19-Oct-2022	Wednesday	calm/rippled	6							
20-Oct-2022	Thursday		0							
21-Oct-2022	Friday		0							
22-Oct-2022	Saturday	calm/rippled	5		2		1	16	1045	32
23-Oct-2022	Sunday	calm/rippled	16	3			1			
24-Oct-2022	Monday		0							
25-Oct-2022	Tuesday		0							
26-Oct-2022	Wednesday		0					3	1046	5
27-Oct-2022	Thursday		0							
28-Oct-2022	Friday	choppy	2				1			
29-Oct-2022	Saturday		0							
30-Oct-2022	Sunday		0							
31-Oct-2022	Monday		0							
01-Nov-2022	Tuesday		0							
02-Nov-2022	Wednesday		0							
03-Nov-2022	Thursday		0							
	Totals	calm/rippled	43	5	9		2	15*		23*
	Totals	choppy	97	7	29		5	32*		65*

\* 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	23	20	460	0.116	0.209		0.047	53	96		22
Weekend	65	11	715	0.072	0.299		0.052	51	214		37

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	October	282	211	36		
2018	October	1507	661	62		9
2019	October	469	63	168		0
2020	October	920	133	291		49
2021	October	487	17	238		23
2022	October	1026	114	335		49
5-Yr Avg	October	733	217	159		20

**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	86	26%	19%	144	43%	11%	16
Chinook	9	8%	78%	71	66%	10%	7

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	140	1%
iRec Anglers	1104	18%

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

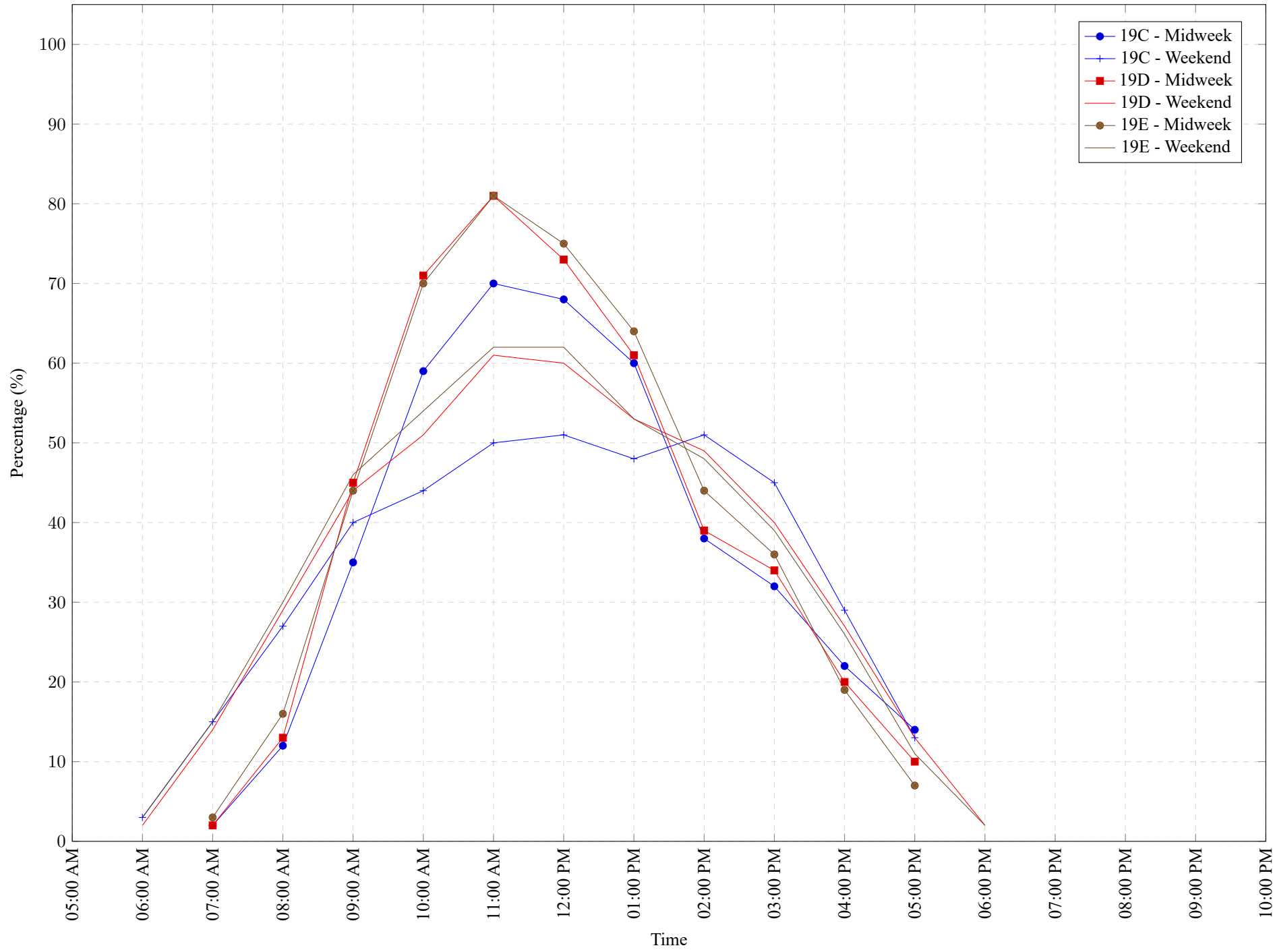


Table 7: Proportion of each day's fishing by hour.

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
19C	Midweek	0%	2%	12%	35%	59%	70%	68%	60%	38%	32%	22%	14%	0%	0%	0%	0%	0%
19C	Weekend	3%	15%	27%	40%	44%	50%	51%	48%	51%	45%	29%	13%	0%	0%	0%	0%	0%
19D	Midweek	0%	2%	13%	45%	71%	81%	73%	61%	39%	34%	20%	10%	0%	0%	0%	0%	0%
19D	Weekend	2%	14%	29%	44%	51%	61%	60%	53%	49%	40%	27%	13%	2%	0%	0%	0%	0%
19E	Midweek	0%	3%	16%	44%	70%	81%	75%	64%	44%	36%	19%	7%	0%	0%	0%	0%	0%
19E	Weekend	3%	15%	30%	46%	54%	62%	62%	53%	48%	39%	26%	11%	2%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Cattle Point	Flemming	Pedder Bay	Sooke Harbour Marina
28 Sep 2022	Midweek				choppy
29 Sep 2022	Midweek	calm/rippled			
30 Sep 2022	Midweek				
01 Oct 2022	Weekend	calm/rippled			
02 Oct 2022	Weekend		calm/rippled	calm/rippled	
03 Oct 2022	Midweek				
04 Oct 2022	Midweek				
05 Oct 2022	Midweek				
06 Oct 2022	Midweek	calm/rippled	calm/rippled		
07 Oct 2022	Midweek				
08 Oct 2022	Weekend			choppy	
09 Oct 2022	Weekend				
10 Oct 2022	Weekend	choppy	choppy		
11 Oct 2022	Midweek	calm/rippled			
12 Oct 2022	Midweek	calm/rippled			
13 Oct 2022	Midweek				
14 Oct 2022	Midweek	calm/rippled		calm/rippled	
15 Oct 2022	Weekend	calm/rippled		frequent whitecaps	
16 Oct 2022	Weekend		choppy		
17 Oct 2022	Midweek				
18 Oct 2022	Midweek				
19 Oct 2022	Midweek		calm/rippled		
20 Oct 2022	Midweek				
21 Oct 2022	Midweek				
22 Oct 2022	Weekend		calm/rippled		
23 Oct 2022	Weekend	choppy	calm/rippled	calm/rippled	
24 Oct 2022	Midweek				
25 Oct 2022	Midweek				
26 Oct 2022	Midweek				
27 Oct 2022	Midweek				
28 Oct 2022	Midweek		choppy		
29 Oct 2022	Weekend				
30 Oct 2022	Weekend				
31 Oct 2022	Midweek				
01 Nov 2022	Midweek				
02 Nov 2022	Midweek				
03 Nov 2022	Midweek				