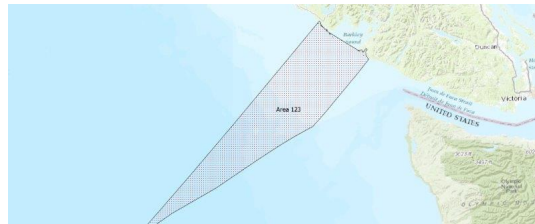


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 123 August 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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	China Creek PM	Clutesi Ramp		Eagle Marine (Fuel Dock)		Island West		McKay Bay Gas Dock			Mills Landing		Poett Nook		Tofino Resort and Marina			Ucluelet Gov Dock		
			AM	MD	MD	PM	AM	MD	AM	MD	PM	MD	PM	AM	MD	AM	MD	PM	AM	MD	PM
29 Jul 2021	Midweek	1						16													
30 Jul 2021	Midweek												3					1		18	
31 Jul 2021	Weekend										6									15	
01 Aug 2021	Weekend			2																12	
02 Aug 2021	Weekend		1																	22	
03 Aug 2021	Midweek																	2			
04 Aug 2021	Midweek									9											
05 Aug 2021	Midweek				20																
06 Aug 2021	Midweek						4													27	
07 Aug 2021	Weekend							14				2								30	
08 Aug 2021	Weekend													1		2					
09 Aug 2021	Midweek				13								1								
10 Aug 2021	Midweek						7								3						
11 Aug 2021	Midweek																			21	
12 Aug 2021	Midweek								1												11
13 Aug 2021	Midweek											5							11		
14 Aug 2021	Weekend				22					11											
15 Aug 2021	Weekend							20									1			19	
16 Aug 2021	Midweek					22															
17 Aug 2021	Midweek																			21	
18 Aug 2021	Midweek							16													
19 Aug 2021	Midweek																			5	
20 Aug 2021	Midweek																			14	
21 Aug 2021	Weekend					20						3									
22 Aug 2021	Weekend																			20	
23 Aug 2021	Midweek							13												23	
24 Aug 2021	Midweek										2										
25 Aug 2021	Midweek											3									
26 Aug 2021	Midweek				11			5													
27 Aug 2021	Midweek									1										18	
28 Aug 2021	Weekend							13		9								1			18
29 Aug 2021	Weekend																				
30 Aug 2021	Midweek				4																
31 Aug 2021	Midweek											1								11	
01 Sep 2021	Midweek											1					3				
02 Sep 2021	Midweek																		1		
03 Sep 2021	Midweek				9			5		1											

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-2021	Thursday	choppy	17	11	9		10			
30-Jul-2021	Friday	choppy	25	93	38		18			
31-Jul-2021	Saturday	choppy	26	77	30		32	0	0927	0
01-Aug-2021	Sunday	calm/rippled	15	48	12			9	1308	19
02-Aug-2021	Monday (B.C. Day)	choppy	27	101	54	1	27			
03-Aug-2021	Tuesday	choppy	3	11	14			55	1037	76
04-Aug-2021	Wednesday	choppy	13	23	2		7			
05-Aug-2021	Thursday	calm/rippled	22	57	52		41			
06-Aug-2021	Friday	calm/rippled	35	105	74		47			
07-Aug-2021	Saturday	choppy	47	119	38		15			
08-Aug-2021	Sunday	frequent whitecaps	4	4	1			55	0920	66
09-Aug-2021	Monday	calm/rippled	16	58	13		31			
10-Aug-2021	Tuesday	calm/rippled	13	45	5					
11-Aug-2021	Wednesday	choppy	22	99	12		8	63	0842	91
12-Aug-2021	Thursday	choppy	12	53	1					
13-Aug-2021	Friday	calm/rippled	20	80	8		25			
14-Aug-2021	Saturday	calm/rippled	37	110	50		43	58	1015	70
15-Aug-2021	Sunday	calm/rippled	41	156	66		67			
16-Aug-2021	Monday	choppy	29	86	42		40			
17-Aug-2021	Tuesday	choppy	22	92	14		8	51	1031	72
18-Aug-2021	Wednesday	choppy	17	34	3		4			
19-Aug-2021	Thursday	frequent whitecaps	5	22	2					
20-Aug-2021	Friday	frequent whitecaps	14	70	4		3			
21-Aug-2021	Saturday	calm/rippled	25	82	38		60			
22-Aug-2021	Sunday	choppy	20	70	4		7	43	0908	52
23-Aug-2021	Monday	choppy	36	94	16		30			
24-Aug-2021	Tuesday	calm/rippled	4		10		8	100	0859	137
25-Aug-2021	Wednesday	choppy	3		10		14			
26-Aug-2021	Thursday	choppy	16	51	2		11			
27-Aug-2021	Friday	calm/rippled	19	61	3		12			
28-Aug-2021	Saturday	calm/rippled	43	72	66		54			
29-Aug-2021	Sunday		1							
30-Aug-2021	Monday	frequent whitecaps	4	17						
31-Aug-2021	Tuesday	choppy	12	30	4		4	27	0916	36
01-Sep-2021	Wednesday	calm/rippled	4		9		6			
02-Sep-2021	Thursday	calm/rippled	2		2			31	0905	42
03-Sep-2021	Friday	calm/rippled	15	20	9		13			
	Totals	choppy	337	1088	291		293	59*		82*
	Totals	choppy	260	762	329	1	273	41*		52*

* 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	52	10	520	2.931	1.265	0.004	1.05	1524	658	2	546
Midweek	82	21	1722	3.228	0.864		0.869	5559	1488		1496

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	2108	4477	641	22	339
2017	August	3129	8372	1935		1250
2018	August	4332	8452	8604	137	1968
2019	August	4065	9432	2388		1770
2020	August	2731	6589	2731		2239
2021	August	2182	6755	2130	3	2161
5-Yr Avg	August	3273	7464	3260	80	1513

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	1894	93%	7%	1906	86%	7%	130
Chinook	1165	22%	15%	896	24%	19%	172

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	595	60%
iRec Anglers	5140	47%

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

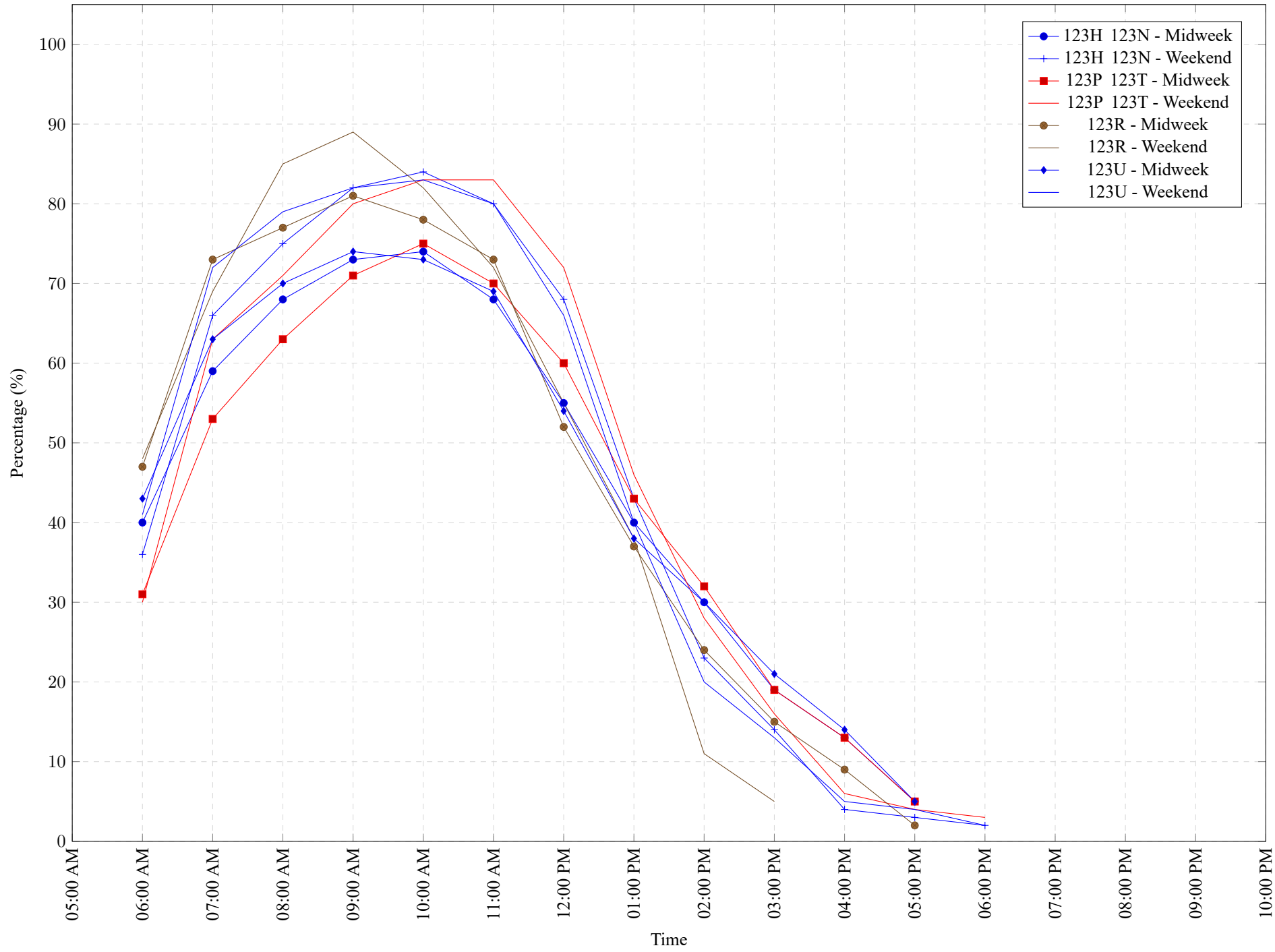


Table 7: Proportion of each day's fishing by hour.

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
123H	123N	Midweek	40%	59%	68%	73%	74%	68%	55%	40%	30%	19%	13%	5%	0%	0%	0%	0%	0%
123H	123N	Weekend	36%	66%	75%	82%	84%	80%	68%	43%	23%	14%	4%	3%	2%	0%	0%	0%	0%
123P	123T	Midweek	31%	53%	63%	71%	75%	70%	60%	43%	32%	19%	13%	5%	0%	0%	0%	0%	0%
123P	123T	Weekend	30%	63%	71%	80%	83%	83%	72%	46%	28%	16%	6%	4%	3%	0%	0%	0%	0%
123R		Midweek	47%	73%	77%	81%	78%	73%	52%	37%	24%	15%	9%	2%	0%	0%	0%	0%	0%
123R		Weekend	48%	69%	85%	89%	82%	72%	55%	38%	11%	5%	0%	0%	0%	0%	0%	0%	0%
123U		Midweek	43%	63%	70%	74%	73%	69%	54%	38%	30%	21%	14%	5%	0%	0%	0%	0%	0%
123U		Weekend	41%	72%	79%	82%	83%	80%	66%	40%	20%	13%	5%	4%	2%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Ramp	Eagle Marine (Fuel Dock)	Island West	McKay Bay Gas Dock	Mills Landing	Poett Nook	Tofino Resort and Marina	Ucluelet Gov Dock
29 Jul 2021	Midweek	choppy			frequent whitecaps					
30 Jul 2021	Midweek						calm/rippled		choppy	choppy
31 Jul 2021	Weekend					choppy				choppy
01 Aug 2021	Weekend		large swells							calm/rippled
02 Aug 2021	Weekend		calm/rippled							choppy
03 Aug 2021	Midweek									choppy
04 Aug 2021	Midweek					choppy				
05 Aug 2021	Midweek			calm/rippled						
06 Aug 2021	Midweek				calm/rippled					calm/rippled
07 Aug 2021	Weekend				choppy		choppy			choppy
08 Aug 2021	Weekend							calm/rippled	large swells	
09 Aug 2021	Midweek			calm/rippled			calm/rippled			
10 Aug 2021	Midweek				calm/rippled			calm/rippled		
11 Aug 2021	Midweek									choppy
12 Aug 2021	Midweek					calm/rippled				choppy
13 Aug 2021	Midweek						calm/rippled			calm/rippled
14 Aug 2021	Weekend			calm/rippled		choppy				
15 Aug 2021	Weekend				calm/rippled				calm/rippled	calm/rippled
16 Aug 2021	Midweek			choppy						
17 Aug 2021	Midweek									choppy
18 Aug 2021	Midweek				choppy					
19 Aug 2021	Midweek									frequent whitecaps
20 Aug 2021	Midweek									frequent whitecaps
21 Aug 2021	Weekend			calm/rippled			choppy			
22 Aug 2021	Weekend									choppy
23 Aug 2021	Midweek				choppy					choppy
24 Aug 2021	Midweek					calm/rippled				
25 Aug 2021	Midweek						choppy			
26 Aug 2021	Midweek			choppy	choppy					
27 Aug 2021	Midweek					calm/rippled				calm/rippled
28 Aug 2021	Weekend				calm/rippled	choppy			calm/rippled	calm/rippled
29 Aug 2021	Weekend									
30 Aug 2021	Midweek			frequent whitecaps						
31 Aug 2021	Midweek						frequent whitecaps			choppy
01 Sep 2021	Midweek						choppy		calm/rippled	
02 Sep 2021	Midweek									calm/rippled
03 Sep 2021	Midweek			calm/rippled	calm/rippled	choppy				