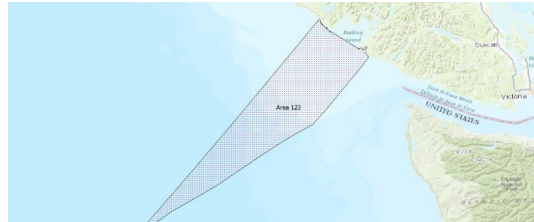


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 123 August 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

		China Creek		Clutesi Ramp		Eagle Marine (Fuel Dock)	Island West			McKay Bay Gas Dock			Method Marine (Fuel Dock)	Mills Landing			Pacific Gateway Marina	Poett Nook	Tofino Resort and Marina	Ucluelet Gov Dock		
Date	Day Type	MD	PM	AM	MD	MD	AM	MD	PM	AM	MD	PM	MD	AM	MD	PM	MD	PM	MD	AM	MD	PM
29 Jul 2022	Midweek	1										7								9		
30 Jul 2022	Weekend									3											11	
31 Jul 2022	Weekend			1					7													
01 Aug 2022	Weekend						3												1		20	
02 Aug 2022	Midweek																					6
03 Aug 2022	Midweek					38												4				
04 Aug 2022	Midweek													4								
05 Aug 2022	Midweek										5											
06 Aug 2022	Weekend					16						1		1								
07 Aug 2022	Weekend								7													7
08 Aug 2022	Midweek											5								6		
09 Aug 2022	Midweek									2										3		
10 Aug 2022	Midweek																					
11 Aug 2022	Midweek				1										2							
12 Aug 2022	Midweek								19											11		
13 Aug 2022	Weekend					22																8
14 Aug 2022	Weekend											10										
15 Aug 2022	Midweek		1												1						24	
16 Aug 2022	Midweek										7											8
17 Aug 2022	Midweek																				18	
18 Aug 2022	Midweek								13		5											
19 Aug 2022	Midweek					19																
20 Aug 2022	Weekend								6			9		1			2					26
21 Aug 2022	Weekend																					
22 Aug 2022	Midweek								11						2							
23 Aug 2022	Midweek																					
24 Aug 2022	Midweek																					
25 Aug 2022	Midweek				1	21	5															
26 Aug 2022	Midweek										2									8		
27 Aug 2022	Weekend								5			7										5
28 Aug 2022	Weekend				2																	
29 Aug 2022	Midweek			1																	8	
30 Aug 2022	Midweek								2							1						
31 Aug 2022	Midweek										5										19	
01 Sep 2022	Midweek					15																
02 Sep 2022	Midweek											8									21	
03 Sep 2022	Weekend								3		7											4

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-2022	Friday	choppy	19	66	31		42			
30-Jul-2022	Saturday	choppy	16	51	42		16			
31-Jul-2022	Sunday	calm/rippled	8	7	3			0	0832	0
01-Aug-2022	Monday (B.C. Day)	choppy	26	75	25		10			
02-Aug-2022	Tuesday	calm/rippled	9	17	12		4			
03-Aug-2022	Wednesday	choppy	45	122	32		66			
04-Aug-2022	Thursday	choppy	6	18	5		5	73	0914	93
05-Aug-2022	Friday	choppy	11	24			29			
06-Aug-2022	Saturday	calm/rippled	20	70	12	1	33	104	0900	132
07-Aug-2022	Sunday	choppy	14	34	4		15			
08-Aug-2022	Monday	choppy	11	11			9			
09-Aug-2022	Tuesday	choppy	5	9			19			
10-Aug-2022	Wednesday		0					4	1122	7
11-Aug-2022	Thursday	choppy	3	10				44	0956	57
12-Aug-2022	Friday	choppy	34	79	14	1	32			
13-Aug-2022	Saturday	choppy	30	103	17		31			
14-Aug-2022	Sunday	choppy	12	24	31		27	98	0856	125
15-Aug-2022	Monday	calm/rippled	29	109	41		50			
16-Aug-2022	Tuesday	choppy	16	28	3		21			
17-Aug-2022	Wednesday	choppy	20	82	6		10	63	0853	80
18-Aug-2022	Thursday	calm/rippled	21	40			7			
19-Aug-2022	Friday	choppy	21	70	3		6			
20-Aug-2022	Saturday	calm/rippled	35	115	2	2	30			
21-Aug-2022	Sunday	frequent whitecaps	12	31	5		21	113	0901	144
22-Aug-2022	Monday	frequent whitecaps	16	29			30			
23-Aug-2022	Tuesday		4	13						
24-Aug-2022	Wednesday		1	5	1			77	1116	117
25-Aug-2022	Thursday	choppy	27	73	4		10			
26-Aug-2022	Friday	choppy	13	27	4		22			
27-Aug-2022	Saturday	choppy	5	14	5			33	0917	42
28-Aug-2022	Sunday	choppy	15	30	1		37			
29-Aug-2022	Monday	choppy	11	47	1		16	52	0855	67
30-Aug-2022	Tuesday	choppy	4	3			9			
31-Aug-2022	Wednesday	choppy	25	61	9		58			
01-Sep-2022	Thursday	calm/rippled	16	49	7		16			
02-Sep-2022	Friday	choppy	30	66	11		46			
03-Sep-2022	Saturday	choppy	16	18	8		1			
	Totals	choppy	332	877	135	1	403	52*		70*
	Totals	choppy	169	496	102	3	204	87*		111*

* 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	70	22	1540	2.642	0.407	0.003	1.214	4069	627	5	1870
Weekend	111	9	999	2.935	0.604	0.018	1.207	2932	603	18	1206

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2022	August	2790	6924	1271	17	3491
5-Yr Avg	August	3288	7920	3558	70	1878

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	1059	87%	6%	1235	74%	5%	66
Chinook	905	19%	14%	1347	29%	10%	131

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	501	54%
iRec Anglers	5884	44%

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

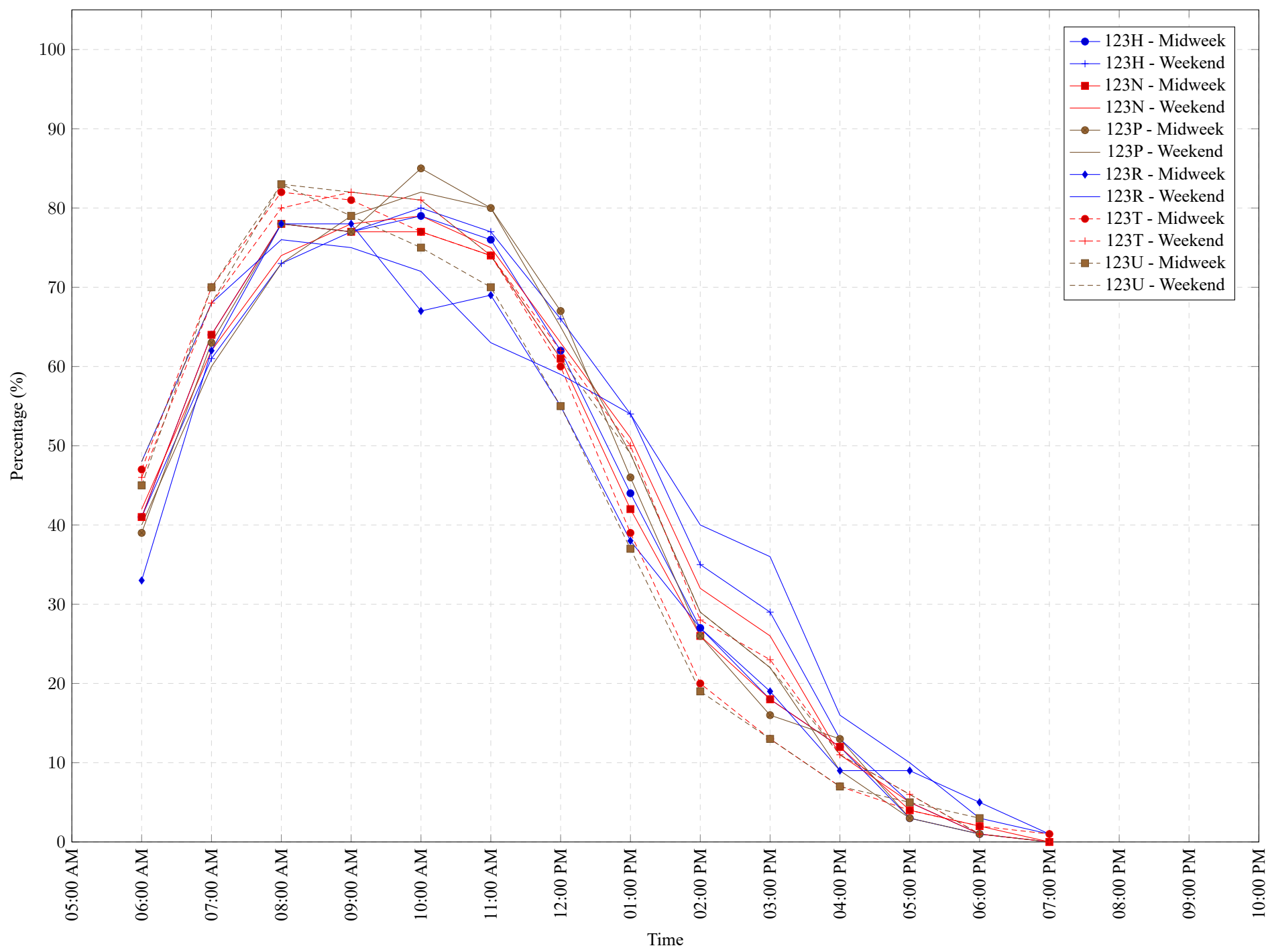


Table 7: Proportion of each day's fishing by hour.

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	Midweek	41%	64%	78%	77%	79%	76%	62%	44%	27%	18%	12%	3%	1%	0%	0%	0%	0%
123H	Weekend	41%	61%	73%	77%	80%	77%	66%	54%	35%	29%	13%	5%	1%	0%	0%	0%	0%
123N	Midweek	41%	64%	78%	77%	77%	74%	61%	42%	26%	18%	12%	4%	2%	0%	0%	0%	0%
123N	Weekend	42%	62%	74%	78%	79%	75%	63%	51%	32%	26%	11%	5%	1%	0%	0%	0%	0%
123P	Midweek	39%	63%	78%	77%	85%	80%	67%	46%	26%	16%	13%	3%	1%	0%	0%	0%	0%
123P	Weekend	40%	60%	73%	79%	82%	80%	65%	49%	29%	22%	9%	3%	0%	0%	0%	0%	0%
123R	Midweek	33%	62%	78%	78%	67%	69%	55%	38%	27%	19%	9%	9%	5%	1%	0%	0%	0%
123R	Weekend	48%	68%	76%	75%	72%	63%	59%	54%	40%	36%	16%	10%	3%	1%	0%	0%	0%
123T	Midweek	47%	70%	82%	81%	77%	74%	60%	39%	20%	13%	7%	4%	2%	1%	0%	0%	0%
123T	Weekend	46%	68%	80%	82%	81%	74%	62%	50%	28%	23%	11%	6%	1%	0%	0%	0%	0%
123U	Midweek	45%	70%	83%	79%	75%	70%	55%	37%	19%	13%	7%	5%	3%	0%	0%	0%	0%
123U	Weekend	48%	68%	83%	82%	81%	74%	61%	49%	29%	22%	11%	6%	1%	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	Method Marine (Fuel Dock)	Mills Landing	Pacific Gateway Marina	Poett Nook	Tofino Resort and Marina	Ucluelet Gov Dock
29 Jul 2022	Midweek	frequent whitecaps				choppy						calm/rippled
30 Jul 2022	Weekend					choppy						choppy
31 Jul 2022	Weekend		choppy		calm/rippled							
01 Aug 2022	Weekend				choppy						choppy	choppy
02 Aug 2022	Midweek											calm/rippled
03 Aug 2022	Midweek			choppy						frequent whitecaps		
04 Aug 2022	Midweek							choppy				
05 Aug 2022	Midweek					choppy						
06 Aug 2022	Weekend			calm/rippled			calm/rippled	calm/rippled				
07 Aug 2022	Weekend				choppy							calm/rippled
08 Aug 2022	Midweek					frequent whitecaps						choppy
09 Aug 2022	Midweek					choppy						frequent whitecaps
10 Aug 2022	Midweek											
11 Aug 2022	Midweek		choppy					choppy				
12 Aug 2022	Midweek				choppy							calm/rippled
13 Aug 2022	Weekend			choppy								choppy
14 Aug 2022	Weekend					choppy						
15 Aug 2022	Midweek	frequent whitecaps						calm/rippled				calm/rippled
16 Aug 2022	Midweek					calm/rippled						choppy
17 Aug 2022	Midweek											choppy
18 Aug 2022	Midweek				calm/rippled	choppy						
19 Aug 2022	Midweek			choppy								
20 Aug 2022	Weekend				choppy			choppy				calm/rippled
21 Aug 2022	Weekend					frequent whitecaps			choppy			
22 Aug 2022	Midweek				frequent whitecaps			choppy				
23 Aug 2022	Midweek											
24 Aug 2022	Midweek											
25 Aug 2022	Midweek		frequent whitecaps	choppy	frequent whitecaps							
26 Aug 2022	Midweek					frequent whitecaps						choppy
27 Aug 2022	Weekend				choppy							
28 Aug 2022	Weekend		frequent whitecaps			choppy						choppy
29 Aug 2022	Midweek		calm/rippled									choppy
30 Aug 2022	Midweek				choppy			calm/rippled				
31 Aug 2022	Midweek					frequent whitecaps						choppy
01 Sep 2022	Midweek			calm/rippled								
02 Sep 2022	Midweek					choppy						choppy
03 Sep 2022	Weekend				frequent whitecaps	choppy						choppy