

**2021 POST SEASON REVIEW AND
2022 PLANNING FRAMEWORK**

SALMON



**CENTRAL COAST
AREAS 7-10**

2021 POST SEASON REVIEW AND 2022 PLANNING FRAMEWORK

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READ CAREFULLY

1. Reporting of all catches to the Dept. of Fisheries and Oceans is the responsibility of the fisherman and a condition of licence renewal.
2. Accurate catch reports must include the map number or numbers showing the area in which your fish were caught.
3. The statistical areas shown on this map are to be used as a guide only. For more exact information refer to the Pacific Fishery Management Area Regulations.



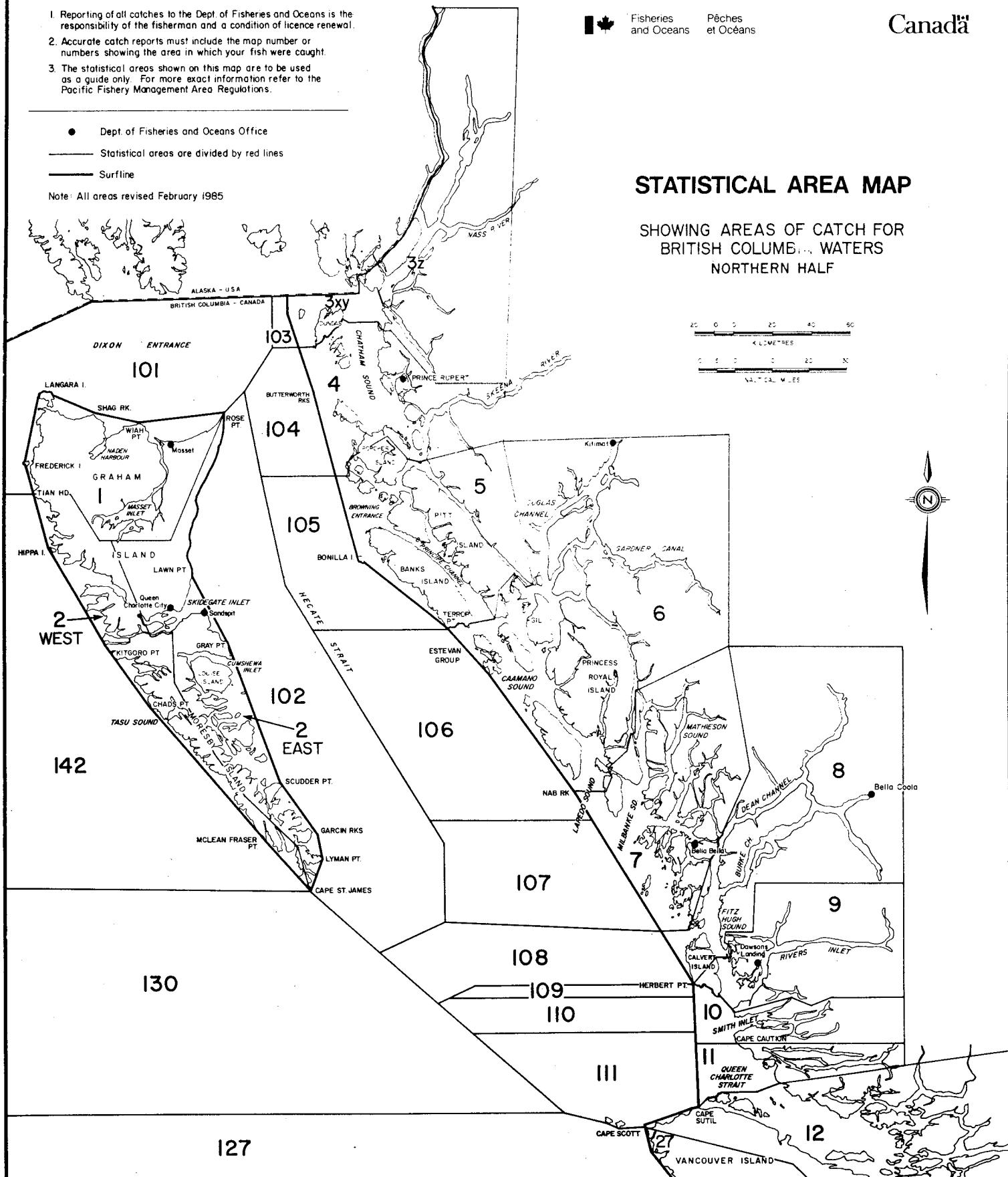
Fisheries
and Oceans

Pêches
et Océans

Canada

- Dept. of Fisheries and Oceans Office
- Statistical areas are divided by red lines
- Surfline

Note: All areas revised February 1985



2021 Stat Week Calendar

<u>January</u>	<u>February</u>	<u>March</u>
<u>Week</u> Su Mo Tu We Th Fr Sa 1 1 2 2 3 4 5 6 7 8 9 3 10 11 12 13 14 15 16 4 17 18 19 20 21 22 23 5 24 25 26 27 28 29 30 6 31	<u>Week</u> Su Mo Tu We Th Fr Sa 6 1 2 3 4 5 6 7 7 8 9 10 11 12 13 8 14 15 16 17 18 19 20 9 21 22 23 24 25 26 27 10 28	<u>Week</u> Su Mo Tu We Th Fr Sa 10 1 2 3 4 5 6 11 7 8 9 10 11 12 13 12 14 15 16 17 18 19 20 13 21 22 23 24 25 26 27 14 28 29 30 31
<u>April</u>	<u>May</u>	<u>June</u>
<u>Week</u> Su Mo Tu We Th Fr Sa 14 1 2 3 15 4 5 6 7 8 9 10 16 11 12 13 14 15 16 17 17 18 19 20 21 22 23 24 18 25 26 27 28 29 30	<u>Week</u> Su Mo Tu We Th Fr Sa 18 1 19 2 3 4 5 6 7 8 20 9 10 11 12 13 14 15 21 15 17 18 19 20 21 22 22 23 24 25 26 27 28 29 23 30 31	<u>Week</u> Su Mo Tu We Th Fr Sa 23 1 2 3 4 5 24 6 7 8 9 10 11 12 25 13 14 15 16 17 18 19 26 20 21 22 23 24 25 26 27 27 28 29 30
<u>July</u>	<u>August</u>	<u>September</u>
<u>Week</u> Su Mo Tu We Th Fr Sa 27 1 2 3 28 4 5 6 7 8 9 10 29 11 12 13 14 15 16 17 30 18 19 20 21 22 23 24 31 25 26 27 28 29 30 31	<u>Week</u> Su Mo Tu We Th Fr Sa 32 1 2 3 4 5 6 7 33 8 9 10 11 12 13 14 34 15 16 17 18 19 20 21 35 22 23 24 25 26 27 28 36 29 30 31	<u>Week</u> Su Mo Tu We Th Fr Sa 36 1 2 3 4 37 5 6 7 8 9 10 11 38 12 13 14 15 16 17 18 39 19 20 21 22 23 24 25 40 26 27 28 29 30
<u>October</u>	<u>November</u>	<u>December</u>
<u>Week</u> Su Mo Tu We Th Fr Sa 40 1 2 41 3 4 5 6 7 8 9 42 10 11 12 13 14 15 16 43 17 18 19 20 21 22 23 44 24 25 26 27 28 29 30 45 31	<u>Week</u> Su Mo Tu We Th Fr Sa 45 1 2 3 4 5 6 46 7 8 9 10 11 12 13 47 14 15 16 17 18 19 20 48 21 22 23 24 25 26 27 49 28 29 30	<u>Week</u> Su Mo Tu We Th Fr Sa 49 1 2 3 4 50 5 6 7 8 9 10 11 51 12 13 14 15 16 17 18 52 19 20 21 22 23 24 25 53 26 27 28 29 30 31

2022 Stat Week Calendar

<u>January</u>	<u>February</u>	<u>March</u>
<u>Week</u> Su Mo Tu We Th Fr Sa 1 1 2 2 3 4 5 6 7 8 3 9 10 11 12 13 14 15 4 16 17 18 19 20 21 22 5 23 24 25 26 27 28 29 6 30 31	<u>Week</u> Su Mo Tu We Th Fr <u>Sa</u> 6 1 2 3 4 5 7 6 7 8 9 10 11 12 8 13 14 15 16 17 18 19 9 20 21 22 23 24 25 26 10 27 28	<u>Week</u> Su Mo Tu We Th Fr Sa 10 1 2 3 4 5 11 6 7 8 9 10 11 12 12 13 14 15 16 17 18 19 13 20 21 22 23 24 25 26 14 27 28 29 30 31
<u>April</u>	<u>May</u>	<u>June</u>
<u>Week</u> Su Mo Tu We Th Fr Sa 14 1 2 15 3 4 5 6 7 8 9 16 10 11 12 13 14 15 16 17 17 18 19 20 21 22 23 18 24 25 26 27 28 29 30	<u>Week</u> Su Mo Tu We Th Fr <u>Sa</u> 18 1 2 3 4 5 6 7 19 8 9 10 11 12 13 14 20 15 16 17 18 19 20 21 21 22 23 24 25 26 27 28 22 29 30 31 23	<u>Week</u> Su Mo Tu We Th Fr Sa 23 1 2 3 4 24 5 6 7 8 9 10 11 25 12 13 14 15 16 17 18 26 19 20 21 22 23 24 25 27 26 27 28 29 30
<u>July</u>	<u>August</u>	<u>September</u>
<u>Week</u> Su Mo Tu We Th Fr Sa 27 1 2 28 3 4 5 6 7 8 9 29 10 11 12 13 14 15 16 30 17 18 19 20 21 22 23 31 24 25 26 27 28 29 30 32 31	<u>Week</u> Su Mo Tu We Th Fr <u>Sa</u> 32 1 2 3 4 5 6 33 7 8 9 10 11 12 13 34 14 15 16 17 18 19 20 35 21 22 23 24 25 26 27 36 28 29 30 31	<u>Week</u> Su Mo Tu We Th Fr Sa 36 1 2 3 37 4 5 6 7 8 9 10 38 11 12 13 14 15 16 17 39 18 19 20 21 22 23 24 40 25 26 27 28 29 30
<u>October</u>	<u>November</u>	<u>December</u>
<u>Week</u> Su Mo Tu We Th Fr Sa 40 1 41 2 3 4 5 6 7 8 42 9 10 11 12 13 14 15 43 16 17 18 19 20 21 22 44 23 24 25 26 27 28 29 45 30 31	<u>Week</u> Su Mo Tu We Th Fr <u>Sa</u> 45 1 2 3 4 5 46 6 7 8 9 10 11 12 47 13 14 15 16 17 18 19 48 20 21 22 23 24 25 26 49 27 28 29 30	<u>Week</u> Su Mo Tu We Th Fr Sa 49 1 2 3 50 4 5 6 7 8 9 10 51 11 12 13 14 15 16 17 52 18 19 20 21 22 23 24 53 25 26 27 28 29 30 31

January-janvier

February-février

March-mars

Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds			
1	0231	4.2	13.8	16	0312	4.4	14.4	1	0321	4.6	15.1	16	0339	4.4	14.4	1	0211	4.8	15.7	16	0225	4.6	15.1
0758		2.2	7.2	0853	2.0	6.6	0919	1.6	5.2	0951	1.7	5.6	0816	1.1	3.6	0842	1.3	4.3	0842		1.3	4.3	
FR 1354	4.8	15.7	SA 1447	4.7	15.4	MO 1516	4.6	15.1	TU 1544	4.1	13.5	MO 1420	4.8	15.7	TU 1444	4.2	13.8						
VE 2044	0.7	2.3	SA 2123	0.8	2.6	LU 2139	0.9	3.0	MA 2149	1.6	5.2	LU 2033	0.8	2.6	MA 2042	1.5	4.9						
2	0310	4.2	13.8	17	0351	4.4	14.4	2	0401	4.6	15.1	17	0411	4.3	14.1	2	0247	4.9	16.1	17	0251	4.5	14.8
0842	2.2	7.2	0939	2.0	6.6	1011	1.6	5.2	1035	1.8	5.9	0903	1.0	3.3	0918	1.3	4.3						
SA 1437	4.7	15.4	SU 1529	4.4	14.4	TU 1607	4.3	14.1	WE 1628	3.8	12.5	TU 1507	4.6	15.1	WE 1521	4.0	13.1						
SA 2123	0.8	2.6	DI 2159	1.1	3.6	MA 2219	1.2	3.9	ME 2221	1.9	6.2	MA 2111	1.1	3.6	ME 2110	1.8	5.9						
3	0352	4.2	13.8	18	0429	4.3	14.1	3	0444	4.6	15.1	18	0446	4.2	13.8	3	0325	4.9	16.1	18	0319	4.4	14.4
0932	2.2	7.2	1028	2.1	6.9	1109	1.6	5.2	1125	1.9	6.2	0953	1.0	3.3	0956	1.4	4.6						
SU 1525	4.5	14.8	MO 1614	4.1	13.5	WE 1705	4.0	13.1	TH 1719	3.5	11.5	WE 1557	4.3	14.1	TH 1601	3.8	12.5						
DI 2205	0.9	3.0	LU 2235	1.5	4.9	ME 2304	1.6	5.2	JE 2257	2.2	7.2	ME 2151	1.5	4.9	JE 2139	2.1	6.9						
4	0436	4.3	14.1	19	0510	4.2	13.8	4	0533	4.6	15.1	19	0529	4.1	13.5	4	0407	4.8	15.7	19	0350	4.2	13.8
1029	2.1	6.9	1123	2.1	6.9	1215	1.6	5.2	1227	1.9	6.2	1047	1.1	3.6	1039	1.6	5.2						
MO 1618	4.3	14.1	TU 1705	3.7	12.1	TH 1816	3.7	12.1	FR 1829	3.3	10.8	1655	3.9	12.8	FR 1648	3.5	11.5						
LU 2250	1.2	3.9	MA 2314	1.8	5.9	JE 2359	2.0	6.6	VE 2346	2.5	8.2	2237	1.9	6.2	VE 2213	2.3	7.5						
5	0525	4.3	14.1	20	0555	4.1	13.5	5	0631	4.6	15.1	20	0624	4.0	13.1	5	0456	4.7	15.4	20	0428	4.1	13.5
1133	2.0	6.6	1225	2.1	6.9	1330	1.5	4.9	1341	1.9	6.2	1150	1.3	4.3	1132	1.7	5.6						
TU 1721	4.0	13.1	WE 1807	3.5	11.5	FR 1944	3.5	11.5	SA 2008	3.2	10.5	1806	3.6	11.8	SA 1750	3.3	10.8						
MA 2340	1.5	4.9	ME 2359	2.1	6.9	VE			SA			2335	2.2	7.2	SA 2259	2.6	8.5						
6	0618	4.4	14.4	21	0646	4.1	13.5	6	0109	2.3	7.5	21	0100	2.7	8.9	6	0556	4.4	14.4	21	0518	3.9	12.8
1245	1.9	6.2	1335	2.1	6.9	0737	4.5	14.8	0732	4.0	13.1	SU 1457	1.8	5.9	SU 1940	1.4	4.6	SU 1921	1.8	5.9			
WE 1834	3.8	12.5	TH 1927	3.3	10.8	SA 1449	1.3	4.3	1457	3.8	10.8	DI 2142	3.3	10.8	SA			DI					
ME			JE			SA 2119	3.6	11.8	2124														
7	0037	1.7	5.6	22	0057	2.4	7.9	7	0232	2.4	7.9	22	0232	2.7	8.9	7	0055	2.5	8.2	22	0014	2.7	8.9
0714	4.5	14.8	0741	4.1	13.5	0848	4.6	15.1	0844	4.0	13.1	1431	1.4	4.6	0631	3.8	12.5	MO 1400	1.7	5.6			
TH 1358	1.7	5.6	1445	1.9	6.2	1559	1.1	3.6	1559	1.5	4.9	2118	3.6	11.8	1400			LU 2059	3.3	10.8			
JE 1959	3.6	11.8	VE 2058	3.3	10.8	DI 2234	3.8	12.5	2240	3.5	11.5												
8	0141	2.0	6.6	23	0207	2.6	8.5	8	0349	2.4	7.9	23	0346	2.6	8.5	8	0231	2.5	8.2	23	0158	2.7	8.9
0812	4.7	15.4	0837	4.2	13.8	0955	4.7	15.4	0946	4.2	13.8	1649	1.2	3.9	0837	4.3	14.1	1513	1.5	4.9			
FR 1508	1.3	4.3	1546	1.7	5.6	1659	0.9	3.0	1649	1.2	3.9	2321	3.8	12.5	1547	1.2	3.9	2201	3.5	11.5			
VE 2123	3.7	12.1	SA 2213	3.4	11.2	LU 2330	4.0	13.1	2330														
9	0250	2.1	6.9	24	0316	2.6	8.5	9	0452	2.2	7.2	24	0440	2.4	7.9	9	0350	2.4	7.9	24	0321	2.5	8.2
0910	4.8	15.7	0929	4.3	14.1	1054	4.8	15.7	1039	4.4	14.4	1646	1.0	3.3	0950	4.4	14.4	WE 1610	1.3	4.3			
SA 1610	1.0	3.3	1635	1.4	4.6	TU 1749	0.7	2.3	1731	1.0	3.3	2316	4.0	13.1	2146	1.0	3.3	ME 2243	3.8	12.5			
SA 2234	3.9	12.8	DI 2306	3.6	11.8	MA			ME 2357	4.0	13.1												
10	0356	2.2	7.2	25	0413	2.6	8.5	10	0016	4.2	13.8	25	0525	2.1	6.9	10	0449	2.1	6.9	25	0418	2.2	7.2
1006	5.0	16.4	1016	4.4	14.4	0543	2.0	6.6	1125	4.7	15.4	1810	0.7	2.3	1048	4.5	14.8	1655	1.0	3.3			
SU 1706	0.7	2.3	MO 1719	1.2	3.9	WE 1144	5.0	16.4	1810			JE			1733	0.9	3.0	JE 2319	4.1	13.5			
DI 2334	4.1	13.5	LU 2347	3.8	12.5	ME 1833	0.6	2.0	1833	0.6	2.0												
11	0455	2.2	7.2	26	0501	2.5	8.2	11	0055	4.4	14.4	26	0030	4.2	13.8	11	0536	1.8	5.9	26	0504	1.8	5.9
1059	5.1	16.7	1100	4.6	15.1	0629	1.9	6.2	0607	1.8	5.9	1230	5.0	16.4	1137	4.7	15.4	1735	0.8	2.6			
MO 1757	0.5	1.6	TU 1758	0.9	3.0	TH 1811	0.5	1.6	1209	4.9	16.1	1911	0.6	2.0	1846	0.6	2.0	1812	0.8	2.6			
LU			MA																				
12	0025	4.3	14.1	27	0024	4.0	13.1	12	0131	4.5	14.8	27	0103	4.5	14.8	12	0030	4.4	14.4	27	0548	1.4	4.6
0548	2.1	6.9	0544	2.3	7.5	0711	1.7	5.6	0649	1.6	5.2	1311	5.0	16.4	0617	1.6	5.2	1813	0.7	2.3			
TU 1149	5.2	17.1	WE 1142	4.8	15.7	VE 1946	0.7	1.6	1252	5.0	16.4	1922	0.5	1.6	1847	0.8	2.6	SA					
MA 1844	0.4	1.3	ME 1835	0.7	2.3				1922	0.5	1.6												
13	0110	4.4	14.4	28	0059	4.1	13.5	13	0205	4.5	14.8	28	0137	4.7	15.4	13	0101	4.5	14.8	28	0026	4.7	15.4
0637	2.0	6.6	0624	2.1	6.9	0751	1.7	5.6	0732	1.3	4.3	0910	5.0	16.4	0655	1.4	4.6	1238	4.8	15.7			
WE 1237	5.2	17.1	TH 1223	4.9	16.1	SA 1350	4.8	15.7	1336	5.0	16.4	2019	0.8	2.6	1257	4.7	15.4	1850	0.7	2.3			
ME 1928	0.3	1.0																					

TABLE DES MARÉES

2021

BELLA BELLA HNP (UTC-8h)

April-avril

May-mai

June-juin

Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds			
1	0253	5.1	16.7	16	0238	4.4	14.4	1	0316	4.8	15.7	16	0245	4.3	14.1	1	0501	4.0	13.1	16	0409	4.0	13.1
TH	0935	0.6	2.0		0927	1.1	3.6		1014	0.6	2.0		0946	1.0	3.3		1150	1.0	3.3		1057	1.0	3.3
JE	1550	4.2	13.8	FR	1543	3.7	12.1	SA	1645	3.9	12.8	SU	1616	3.6	11.8	TU	1836	3.9	12.8	WE	1736	3.8	12.5
JE	2130	1.7	5.6	VE	2109	2.2	7.2	SA	2214	2.2	7.2	DI	2133	2.4	7.9	MA				ME	2323	2.2	7.2
2	0337	4.9	16.1	17	0309	4.3	14.1	2	0412	4.5	14.8	17	0326	4.1	13.5	2	0026	2.2	7.2	17	0509	3.8	12.5
FR	1028	0.8	2.6		1007	1.2	3.9		1113	0.9	3.0		1032	1.1	3.6		0610	3.8	12.5		1148	1.2	3.9
VE	1650	3.9	12.8	SA	1629	3.6	11.8	SU	1755	3.7	12.1	MO	1709	3.5	11.5	WE	1250	1.3	4.3	TH	1830	3.9	12.8
VE	2221	2.1	6.9	SA	2146	2.4	7.9	DI	2324	2.3	7.5	LU	2228	2.5	8.2	ME	1937	3.9	12.8	JE			
3	0428	4.6	15.1	18	0347	4.1	13.5	3	0519	4.1	13.5	18	0419	3.9	12.8	3	0142	2.0	6.6	18	0034	2.0	6.6
SA	1130	1.0	3.3		1055	1.4	4.6		1222	1.1	3.6		1125	1.2	3.9		0725	3.6	11.8		0619	3.6	11.8
SA	1803	3.6	11.8	SU	1727	3.4	11.2	MO	1913	3.7	12.1	TU	1812	3.5	11.5	TH	1350	1.5	4.9	FR	1243	1.3	4.3
SA	2327	2.4	7.9	DI	2236	2.6	8.5	LU				MA	2340	2.5	8.2	JE	2031	4.0	13.1	VE	1923	4.0	13.1
4	0533	4.3	14.1	19	0438	3.9	12.8	4	0049	2.4	7.9	19	0527	3.7	12.1	4	0250	1.8	5.9	19	0145	1.8	5.9
SU	1245	1.3	4.3		1155	1.5	4.9		0639	3.9	12.8		1226	1.3	4.3		0839	3.5	11.5		0736	3.6	11.8
DI	1935	3.6	11.8	MO	1845	3.3	10.8	TU	1335	1.3	4.3	WE	1918	3.6	11.8	FR	1446	1.7	5.6	SA	1341	1.5	4.9
				LU	2353	2.7	8.9	MA	2025	3.8	12.5	ME				VE	2118	4.1	13.5	SA	2015	4.3	14.1
5	0056	2.5	8.2	20	0550	3.7	12.1	5	0214	2.2	7.2	20	0102	2.4	7.9	5	0346	1.6	5.2	20	0251	1.4	4.6
MO	0657	4.0	13.1		1308	1.5	4.9		0801	3.8	12.5		0646	3.7	12.1		0945	3.5	11.5		0853	3.6	11.8
MO	1409	1.3	4.3	TU	2009	3.4	11.2	WE	1442	1.4	4.6	TH	1330	1.4	4.6	SA	1537	1.8	5.9	SU	1440	1.6	5.2
LU	2100	3.7	12.1	MA				ME	2122	3.9	12.8	JE	2016	3.8	12.5	SA	2158	4.2	13.8	DI	2106	4.5	14.8
6	0230	2.4	7.9	21	0130	2.6	8.5	6	0323	2.0	6.6	21	0218	2.1	6.9	6	0433	1.3	4.3	21	0350	1.0	3.3
TU	0825	4.0	13.1		0718	3.7	12.1		0914	3.8	12.5		0806	3.7	12.1		1041	3.6	11.8		1004	3.7	12.1
MA	1522	1.3	4.3	WE	1421	1.5	4.9	TH	1538	1.4	4.6	FR	1430	1.4	4.6	SU	1623	1.9	6.2	MO	1539	1.7	5.6
MA	2201	3.9	12.8	ME	2110	3.6	11.8	JE	2206	4.1	13.5	VE	2105	4.1	13.5	DI	2235	4.3	14.1	LU	2155	4.8	15.7
7	0344	2.2	7.2	22	0251	2.3	7.5	7	0416	1.7	5.6	22	0320	1.7	5.6	7	0515	1.1	3.6	22	0446	0.6	2.0
WE	0938	4.1	13.5		0840	3.8	12.5		1014	3.8	12.5		0918	3.8	12.5		1129	3.7	12.1		1107	3.9	12.8
ME	1619	1.2	3.9	TU	1522	1.3	4.3	FR	1625	1.4	4.6	SA	1524	1.3	4.3	MO	1703	1.9	6.2	TU	1635	1.8	5.9
ME	2247	4.1	13.5	JE	2156	3.9	12.8	VE	2243	4.3	14.1	SA	2148	4.4	14.4	ME	2308	4.4	14.4	LU	2244	5.0	16.4
8	0438	1.9	6.2	23	0350	1.9	6.2	8	0500	1.4	4.6	23	0414	1.2	3.9	8	0552	0.9	3.0	23	0538	0.3	1.0
TH	1035	4.2	13.8		0946	4.0	13.1		1104	3.9	12.8		1021	4.0	13.1		1211	3.8	12.5		1203	4.0	13.1
JE	1704	1.1	3.6	FR	1611	1.2	3.9	SA	1704	1.5	4.9	SU	1614	1.4	4.6	TU	1740	2.0	6.6	WE	1729	1.8	5.9
JE	2323	4.3	14.1	VE	2234	4.3	14.1	SA	2316	4.4	14.4	DI	2230	4.8	15.7	MA	2340	4.5	14.8	ME	2334	5.1	16.7
9	0522	1.6	5.2	24	0440	1.5	4.9	9	0539	1.2	3.9	24	0504	0.7	2.3	9	0628	0.8	2.6	24	0629	0.1	0.3
FR	1123	4.3	14.1		1043	4.3	14.1		1147	4.0	13.1		1117	4.1	13.5		1249	3.8	12.5		1256	4.1	13.5
VE	1742	1.1	3.6	SA	1655	1.0	3.3	SU	1740	1.6	5.2	MO	1702	1.4	4.6	WE	1814	2.1	6.9	TH	1821	1.8	5.9
VE	2355	4.4	14.4	SA	2311	4.6	15.1	DI	2346	4.5	14.8	LU	2312	5.0	16.4	ME							
10	0600	1.3	4.3	25	0526	1.0	3.3	10	0615	1.0	3.3	25	0552	0.3	1.0	10	0012	4.5	14.8	25	0023	5.1	16.7
SA	1204	4.4	14.4		1134	4.4	14.4		1226	4.0	13.1		1210	4.3	14.1		0703	0.7	2.3		0719	0.0	0.0
SA	1815	1.2	3.9	SU	1737	1.0	3.3	MO	1812	1.7	5.6	TU	1749	1.5	4.9	TH	1325	3.8	12.5	FR	1345	4.2	13.8
SA				DI	2348	4.9	16.1	LU			MA	2355	5.2	17.1	JE	1848	2.1	6.9	VE	1912	1.8	5.9	
11	0025	4.5	14.8	26	0611	0.6	2.0	11	0014	4.6	15.1	26	0641	0.1	0.3	11	0044	4.5	14.8	26	0113	5.1	16.7
SU	0636	1.2	3.9		1223	4.6	15.1		0649	0.9	3.0		1302	4.3	14.1		0738	0.7	2.3		0807	0.1	0.3
DI	1242	4.4	14.4	MO	1817	1.1	3.6	WE	1303	4.0	13.1	WE	1836	1.6	5.2	ME	1401	3.8	12.5	SA	1434	4.2	13.8
DI	1846	1.3	4.3	LU				MA	1842	1.8	5.9	ME				VE	1922	2.1	6.9	SA	2003	1.8	5.9
12	0052	4.6	15.1	27	0025	5.2	17.1	12	0042	4.6	15.1	27	0039	5.3	17.4	12	0117	4.5	14.8	27	0202	4.9	16.1
0710	1.0	3.3		0656	0.3	1.0		0722	0.8	2.6		0729	0.0	0.0		0813	0.7	2.3		0853	0.2	0.7	
MO	1318	4.3	14.1	TU	1311	4.6	15.1	WE	1338	4.0	13.1	TH	1353	4.3	14.1	SA	1438	3.8	12.5	SU	1522	4.2	13.8
LU	1914	1.5	4.9	MA	1859	1.2	3.9	ME	1912	1.9	6.2	JE	1924	1.7	5.6	SA	1958	2.2	7.2	DI	2055	1.8	5.9
13	0118	4.6	15.1	28	0104	5.3	17.4	13	0109	4.6	15.1	28	0125	5.2	17.1	13	0153	4.4	14.4	28	0252	4.7	15.4
0743	1.0	3.3	</td																				

July-juillet

August-août

September-septembre

Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds			
1	0534	3.7	12.1	16	0453	3.8	12.5	1	0112	1.8	5.9	16	0050	1.3	4.3	1	0243	1.6	5.2	16	0312	1.1	3.6
TH	1158	1.4	4.6	TH	1111	1.2	3.9	FR	0710	3.2	10.5	SU	0703	3.4	11.2	WE	0933	3.2	10.5	TH	0955	3.7	12.1
JE	1839	4.0	13.1	VE	1743	4.2	13.8	SU	1242	2.2	7.2	MO	1230	2.1	6.9	ME	1428	2.6	8.5	TH	1519	2.3	7.5
				VE			DI	1920	3.9	12.8	LU	1857	4.3	14.1	ME	2033	3.9	12.8	JE	2119	4.3	14.1	
2	0057	1.9	6.2	17	0006	1.7	5.6	2	0222	1.7	5.6	17	0207	1.2	3.9	2	0346	1.4	4.6	17	0415	1.0	3.3
FR	0641	3.4	11.2	FR	0557	3.6	11.8	MO	0839	3.1	10.2	SA	1201	2.4	7.9	TU	1350	2.3	7.5	FR	1047	4.0	13.1
VE	1250	1.7	5.6	VE	1835	4.3	14.1	LU	2018	3.9	12.8	MA	2009	4.4	14.4	TH	1539	2.5	8.2	FR	1622	2.0	6.6
SA	1347	1.9	6.2	SA	1259	1.8	5.9	TU	1501	2.4	7.9	MA	2113	4.0	13.1	WE	1513	2.3	7.5	VE	2222	4.5	14.8
SA	2022	4.0	13.1	DI	1931	4.4	14.4	MA	2113	4.0	13.1	ME	2121	4.5	14.8					SA	1712	1.7	5.6
3	0206	1.8	5.9	18	0115	1.5	4.9	3	0327	1.5	4.9	18	0323	1.0	3.3	3	0436	1.2	3.9	18	0506	0.8	2.6
SA	0756	3.3	10.8	SA	0714	3.4	11.2	3	0958	3.2	10.5	18	1000	3.5	11.5	3	1109	3.6	11.8	FR	1630	2.3	7.5
SA	1347	1.9	6.2	SA	1259	1.8	5.9	TU	1501	2.4	7.9	MA	2113	4.0	13.1	WE	2227	4.2	13.8	SA	2314	4.6	15.1
SA	2022	4.0	13.1	DI	1931	4.4	14.4	MA	2113	4.0	13.1	ME	2121	4.5	14.8					SA	1712	1.7	5.6
4	0308	1.6	5.2	19	0226	1.2	3.9	4	0421	1.3	4.3	19	0428	0.8	2.6	4	0517	1.0	3.3	19	0548	0.7	2.3
SU	0913	3.3	10.8	SU	0839	3.4	11.2	4	1054	3.4	11.2	19	1101	3.8	12.5	4	1142	3.8	12.5	19	1205	4.4	14.4
DI	1445	2.1	6.9	MO	1406	2.0	6.6	WE	1601	2.4	7.9	TH	1622	2.1	6.9	SA	1713	2.0	6.6	SU	1756	1.4	4.6
DI	2110	4.1	13.5	LU	2031	4.5	14.8	ME	2204	4.1	13.5	JE	2225	4.6	15.1	SA	2312	4.4	14.4	DI	2359	4.7	15.4
5	0402	1.4	4.6	20	0333	0.9	3.0	5	0506	1.1	3.6	20	0522	0.6	2.0	5	0554	0.8	2.6	20	0625	0.7	2.3
MO	1019	3.3	10.8	MO	0958	3.5	11.5	5	1137	3.5	11.5	20	1150	4.0	13.1	5	1213	4.1	13.5	20	1238	4.5	14.8
LU	1540	2.2	7.2	TU	1516	2.0	6.6	TH	1650	2.3	7.5	FR	1718	1.9	6.2	SU	1752	1.8	5.9	MO	1836	1.2	3.9
LU	2153	4.2	13.8	MA	2131	4.7	15.4	JE	2249	4.3	14.1	VE	2320	4.8	15.7	DI	2354	4.6	15.1	LU			
6	0449	1.2	3.9	21	0434	0.7	2.3	6	0546	0.9	3.0	21	0609	0.4	1.3	6	0628	0.7	2.3	21	0040	4.7	15.4
TU	1112	3.5	11.5	WE	1104	3.7	12.1	6	1213	3.7	12.1	21	1232	4.2	13.8	6	1244	4.3	14.1	21	0658	0.9	3.0
MA	1629	2.2	7.2	WE	1622	2.0	6.6	FR	1732	2.2	7.2	SA	1807	1.7	5.6	MO	1832	1.5	4.9	TU	1309	4.6	15.1
MA	2234	4.3	14.1	ME	2229	4.8	15.7	VE	2331	4.4	14.4	SA				LU				MA	1914	1.1	3.6
7	0530	1.0	3.3	22	0530	0.4	1.3	7	0623	0.7	2.3	22	0009	4.9	16.1	7	0035	4.7	15.4	22	0119	4.6	15.1
WE	1156	3.6	11.8	WE	1159	3.9	12.8	7	1247	3.9	12.8	22	0650	0.4	1.3	WE	0702	0.6	2.0	22	0729	1.0	3.3
ME	1712	2.2	7.2	TH	1721	1.9	6.2	SA	1812	2.0	6.6	SU	1310	4.3	14.1	WE	1315	4.5	14.8	WE	1338	4.6	15.1
ME	2312	4.4	14.4	JE	2324	4.9	16.1	SA			DI	1851	1.5	4.9	MA	1912	1.2	3.9	ME	1952	1.1	3.6	
8	0609	0.8	2.6	23	0621	0.2	0.7	8	0011	4.6	15.1	23	0054	4.8	15.7	8	0117	4.7	15.4	23	0157	4.4	14.4
TH	1234	3.7	12.1	TH	1248	4.1	13.5	FR	0658	0.6	2.0	SU	1319	4.0	13.1	WE	0736	0.7	2.3	23	0759	1.3	4.3
JE	1752	2.2	7.2	WE	1814	1.8	5.9	DI	1851	1.8	5.9	MO	1345	4.4	14.4	WE	1348	4.7	15.4	TH	1407	4.6	15.1
JE	2349	4.5	14.8	VE				LU	1934	1.4	4.6	LU	1934	1.4	4.6	ME	1954	1.1	3.6	JE	2028	1.1	3.6
9	0645	0.7	2.3	24	0016	5.0	16.4	9	0051	4.6	15.1	24	0136	4.7	15.4	9	0159	4.6	15.1	24	0234	4.2	13.8
FR	1310	3.8	12.5	FR	0708	0.1	0.3	FR	0733	0.5	1.6	MO	1352	4.1	13.5	TU	1422	4.8	15.7	FR	1435	4.5	14.8
VE	1829	2.1	6.9	SA	1332	4.2	13.8	LU	1931	1.7	5.6	MA	2016	1.3	4.3	WE	2039	0.9	3.0	VE	2106	1.2	3.9
10	0026	4.5	14.8	25	0104	5.0	16.4	10	0131	4.6	15.1	25	0216	4.5	14.8	10	0244	4.5	14.8	25	0313	4.0	13.1
TH	0721	0.6	2.0	SU	0751	0.2	0.7	10	0807	0.5	1.6	25	0835	0.8	2.6	10	0846	1.1	3.6	25	0858	1.8	5.9
SA	1345	3.8	12.5	SU	1414	4.3	14.1	TU	1425	4.2	13.8	WE	1451	4.4	14.4	FR	1458	4.8	15.7	SA	1504	4.4	14.4
SA	1906	2.1	6.9	DI	1951	1.6	5.2	MA	2013	1.5	4.9	ME	2058	1.3	4.3	VE	2126	0.9	3.0	SA	2145	1.3	4.3
11	0104	4.5	14.8	26	0151	4.8	15.7	11	0213	4.6	15.1	26	0256	4.3	14.1	11	0333	4.2	13.8	26	0355	3.7	12.1
MO	0756	0.5	1.6	MO	0831	0.3	1.0	WE	0841	0.6	2.0	WE	1459	4.3	14.1	TH	1523	4.4	14.4	SA	1537	4.7	15.4
SU	1420	3.9	12.8	MO	1455	4.3	14.1	WE	1459	4.3	14.1	WE	1523	4.4	14.4	SA	1537	4.7	15.4	SU	1536	4.2	13.8
DI	1946	2.0	6.6	LU	2038	1.6	5.2	ME	2058	1.4	4.6	JE	2140	1.4	4.6	SA	2218	1.0	3.3	DI	2229	1.5	4.9
12	0143	4.5	14.8	27	0235	4.6	15.1	12	0257	4.4	14.4	27	0337	4.0	13.1	12	0428	3.9	12.8	27	0444	3.5	11.5
MO	0832	0.6	2.0	MO	0910	0.5	1.6	TH	0917	0.8	2.6	FR	1536	4.4	14.4	TH	1009	1.8	5.9	MO	1614	4.0	13.1
LU	1456	3.9	12.8	MA	1534	4.3	14.1	LU	1536	4.4	14.4	VE	2147	1.4	4.6	VE	2224	1.5	4.9	LU	2321	1.6	5.2
LU	2028	1.9	6.2	MA	2126	1.6	5.2	VE	2240	1.4	4.6	SA	2314	1.6	5.2					MA	2106	3.9	12.5
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TABLE DES MARÉES

2021

BELLA BELLA HNP (UTC-8h)

October-octobre

November-novembre

December-décembre

Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds			
1	0300	1.6	5.2	16	0350	1.2	3.9	1	0350	1.4	4.6	16	0442	1.7	5.6	1	0347	1.7	5.6	16	0448	2.2	7.2
0949	3.5	11.5		1019	4.2	13.8		1013	4.3	14.1		1054	4.6	15.1		1003	4.8	15.7		1052	4.6	15.1	
FR 1514	2.5	8.2		SA 1613	1.8	5.9		MO 1623	1.6	5.2		TU 1722	1.2	3.9		WE 1642	1.0	3.3		1741	1.0	3.3	
VE 2104	3.9	12.8		SA 2211	4.2	13.8		LU 2225	4.2	13.8		MA 2333	4.1	13.5		ME 2257	4.2	13.8		JE			
2	0354	1.4	4.6	17	0438	1.2	3.9	2	0432	1.3	4.3	17	0520	1.8	5.9	2	0435	1.8	5.9	17	0004	4.0	13.1
1028	3.8	12.5		1057	4.4	14.4		1048	4.6	15.1		1126	4.7	15.4		1045	5.1	16.7		0528	2.3	7.5	
SA 1607	2.2	7.2		SU 1659	1.5	4.9		TU 1706	1.2	3.9		WE 1759	1.0	3.3		1729	0.6	2.0		1126	4.7	15.4	
SA 2201	4.1	13.5		DI 2302	4.4	14.4		MA 2314	4.4	14.4		ME				2349	4.3	14.1		1818	0.9	3.0	
3	0438	1.2	3.9	18	0518	1.2	3.9	3	0512	1.3	4.3	18	0014	4.2	13.8	3	0522	1.8	5.9	18	0042	4.0	13.1
1101	4.1	13.5		1131	4.6	15.1		1122	4.9	16.1		0555	1.9	6.2		1127	5.3	17.4		0604	2.3	7.5	
SU 1650	1.8	5.9		MO 1740	1.2	3.9		WE 1748	0.8	2.6		TH 1156	4.8	15.7		1816	0.3	1.0		1159	4.7	15.4	
DI 2250	4.3	14.1		LU 2346	4.4	14.4		ME				JE 1834	0.9	3.0		SA 1852	0.8	2.6					
4	0516	1.0	3.3	19	0553	1.2	3.9	4	0002	4.5	14.8	19	0052	4.2	13.8	4	0040	4.4	14.4	19	0117	4.1	13.5
1132	4.3	14.1		1202	4.7	15.4		0552	1.3	4.3		0628	2.0	6.6		0609	1.8	5.9		0638	2.3	7.5	
MO 1730	1.5	4.9		TU 1818	1.0	3.3		1158	5.2	17.1		1225	4.8	15.7		1211	5.5	18.0		1232	4.8	15.7	
LU 2335	4.5	14.8		MA				1832	0.4	1.3		1908	0.8	2.6		1904	0.1	0.3		1926	0.8	2.6	
5	0552	0.9	3.0	20	0026	4.4	14.4	5	0049	4.6	15.1	20	0128	4.2	13.8	5	0129	4.5	14.8	20	0152	4.1	13.5
1204	4.6	15.1		0626	1.4	4.6		0632	1.5	4.9		0659	2.1	6.9		0657	1.9	6.2		0711	2.4	7.9	
TU 1810	1.1	3.6		WE 1231	4.7	15.4		1236	5.4	17.7		1254	4.7	15.4		1257	5.4	17.7		1304	4.7	15.4	
MA				ME 1854	0.9	3.0		1917	0.2	0.7		1941	0.8	2.6		1952	0.1	0.3		1959	0.8	2.6	
6	0018	4.7	15.4	21	0104	4.4	14.4	6	0136	4.6	15.1	21	0204	4.1	13.5	6	0220	4.5	14.8	21	0226	4.0	13.1
0627	0.9	3.0		0657	1.6	5.2		0714	1.6	5.2		0729	2.3	7.5		0747	2.0	6.6		0746	2.4	7.9	
WE 1236	4.9	16.1		TH 1259	4.7	15.4		1316	5.4	17.7		1323	4.7	15.4		1345	5.3	17.4		1338	4.7	15.4	
ME 1852	0.8	2.6		JE 1928	0.9	3.0		2003	0.2	0.7		2015	0.9	3.0		2041	0.2	0.7		2033	0.9	3.0	
7	0102	4.7	15.4	22	0141	4.3	14.1	7	0226	4.5	14.8	22	0240	4.0	13.1	7	0311	4.4	14.4	22	0301	4.0	13.1
0702	1.0	3.3		0726	1.8	5.9		0759	1.8	5.9		0801	2.4	7.9		0840	2.1	6.9		0823	2.4	7.9	
TH 1310	5.1	16.7		FR 1326	4.7	15.4		1359	5.3	17.4		1354	4.6	15.1		1436	5.1	16.7		1415	4.5	14.8	
JE 1935	0.6	2.0		VE 2002	0.9	3.0		2052	0.3	1.0		2051	1.0	3.3		2131	0.5	1.6		2109	0.9	3.0	
8	0146	4.6	15.1	23	0217	4.2	13.8	8	0319	4.3	14.1	23	0318	3.9	12.8	8	0405	4.3	14.1	23	0339	4.0	13.1
0739	1.2	3.9		0755	2.0	6.6		0848	2.0	6.6		0837	2.5	8.2		0938	2.2	7.2		0905	2.4	7.9	
FR 1345	5.1	16.7		SA 1353	4.6	15.1		1447	5.0	16.4		1428	4.4	14.4		1531	4.7	15.4		1455	4.4	14.4	
VE 2019	0.5	1.6		SA 2037	1.0	3.3		2145	0.6	2.0		2129	1.1	3.6		2223	0.8	2.6		2146	1.1	3.6	
9	0234	4.5	14.8	24	0254	4.0	13.1	9	0417	4.1	13.5	24	0401	3.8	12.5	9	0502	4.2	13.8	24	0420	4.0	13.1
0819	1.5	4.9		0825	2.2	7.2		0945	2.3	7.5		0918	2.6	8.5		1042	2.3	7.5		0955	2.4	7.9	
SA 1424	5.1	16.7		SU 1422	4.5	14.8		1542	4.7	15.4		1507	4.2	13.8		1631	4.4	14.4		1541	4.2	13.8	
SA 2107	0.5	1.6		DI 2113	1.1	3.6		2243	0.8	2.6		2211	1.3	4.3		2318	1.1	3.6		2227	1.2	3.9	
10	0324	4.2	13.8	25	0334	3.8	12.5	10	0524	3.9	12.8	25	0451	3.7	12.1	10	0602	4.2	13.8	25	0505	4.0	13.1
0902	1.8	5.9		0857	2.4	7.9		1055	2.4	7.9		1011	2.7	8.9		1155	2.3	7.5		1053	2.4	7.9	
SU 1507	4.9	16.1		MO 1453	4.3	14.1		1648	4.3	14.1		1556	4.0	13.1		1739	4.0	13.1		1636	4.0	13.1	
DI 2159	0.7	2.3		LU 2153	1.3	4.3		2349	1.1	3.6		2300	1.4	4.6		VE				2312	1.4	4.6	
11	0422	4.0	13.1	26	0420	3.6	11.8	11	0640	3.9	12.8	26	0549	3.7	12.1	11	0016	1.4	4.6	26	0554	4.1	13.5
0952	2.1	6.9		0935	2.6	8.5		1218	2.5	8.2		1120	2.7	8.9		1313	2.2	7.2		1741	3.8	12.5	
MO 1557	4.6	15.1		TU 1531	4.1	13.5		1807	4.0	13.1		1659	3.8	12.5		1855	3.8	12.5					
LU 2259	1.0	3.3		MA 2240	1.5	4.9		JE				2357	1.6	5.2									
12	0533	3.7	12.1	27	0519	3.5	11.5	12	0101	1.3	4.3	27	0652	3.8	12.5	12	0117	1.7	5.6	27	0003	1.6	5.2
1057	2.4	7.9		1028	2.7	8.9		0752	4.0	13.1		1241	2.6	8.5		0800	4.3	14.1		0646	4.2	13.8	
TU 1701	4.3	14.1		WE 1621	3.9	12.8		1346	2.3	7.5		1818	3.7	12.1		1426	2.0	6.6		1312	2.1	6.9	
MA				ME 2339	1.6	5.2		1932	3.9	12.8		SA				DI 2014	3.6	11.8		1858	3.6	11.8	
13	0011	1.2	3.9	28	0635	3.4	11.2	13	0211	1.5	4.9	28	0059	1.6	5.2	13	0217	1.9	6.2	28	0100	1.8	5.9
0700	3.6	11.8		1147	2.8	9.2		0852	4.2	13.8		1358	2.3	7.5		0851	4.4	14.4		0740	4.4	14.4	
WE 1224	2.5	8.2		TH 1733	3.7	12.1		SA 1458	2.0	6.6		DI 1940	3.9	12.8		MO 1527							

January-janvier

February-février

March-mars

Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds			
1	0232	4.3	14.1	16	0312	4.6	15.1	1	0326	4.7	15.4	16	0345	4.5	14.8	1	0216	5.0	16.4	16	0230	4.7	15.4
0806	2.1	6.9		0859	1.8	5.9		0927	1.5	4.9		0959	1.5	4.9		0823	0.9	3.0		0848	1.1	3.6	
FR 1403	4.9	16.1		SA 1458	4.9	16.1		MO 1526	4.7	15.4		TU 1556	4.2	13.8		1428	5.0	16.4		1453	4.4	14.4	
VE 2047	0.5	1.6		SA 2129	0.7	2.3		LU 2145	0.7	2.3		MA 2159	1.5	4.9		2040	0.6	2.0		2051	1.4	4.6	
2	0313	4.3	14.1	17	0352	4.5	14.8	2	0407	4.8	15.7	17	0418	4.4	14.4	2	0253	5.1	16.7	17	0258	4.6	15.1
0851	2.1	6.9		0946	1.8	5.9		1019	1.4	4.6		1043	1.6	5.2		0910	0.8	2.6		0925	1.1	3.6	
SA 1447	4.8	15.7		SU 1541	4.6	15.1		TU 1617	4.4	14.4		WE 1641	3.9	12.8		1515	4.7	15.4		1530	4.1	13.5	
SA 2127	0.6	2.0		DI 2206	1.0	3.3		MA 2227	1.1	3.6		ME 2231	1.8	5.9		2119	0.9	3.0		2119	1.7	5.6	
3	0355	4.4	14.4	18	0432	4.4	14.4	3	0451	4.8	15.7	18	0454	4.3	14.1	3	0333	5.1	16.7	18	0327	4.5	14.8
0941	2.0	6.6		1035	1.9	6.2		1114	1.4	4.6		1132	1.7	5.6		0958	0.8	2.6		1004	1.2	3.9	
SU 1535	4.6	15.1		MO 1628	4.2	13.8		WE 1715	4.1	13.5		TH 1733	3.6	11.8		1605	4.4	14.4		1611	3.8	12.5	
DI 2210	0.8	2.6		LU 2244	1.4	4.6		ME 2313	1.5	4.9		JE 2310	2.1	6.9		2159	1.3	4.3		2149	2.0	6.6	
4	0440	4.4	14.4	19	0515	4.3	14.1	4	0540	4.7	15.4	19	0538	4.1	13.5	4	0415	5.0	16.4	19	0358	4.3	14.1
1037	2.0	6.6		1128	2.0	6.6		1217	1.4	4.6		1231	1.8	5.9		1051	1.0	3.3		1047	1.4	4.6	
MO 1630	4.4	14.4		TU 1719	3.9	12.8		TH 1822	3.8	12.5		FR 1839	3.3	10.8		1702	4.0	13.1		1659	3.6	11.8	
LU 2256	1.1	3.6		MA 2325	1.7	5.6		JE				VE				2247	1.7	5.6		2225	2.2	7.2	
5	0529	4.4	14.4	20	0601	4.2	13.8	5	0008	1.8	5.9	20	0001	2.4	7.9	5	0504	4.8	15.7	20	0436	4.1	13.5
1139	1.9	6.2		1227	2.0	6.6		0637	4.6	15.1		0632	4.0	13.1		1151	1.1	3.6		1138	1.5	4.9	
TU 1733	4.1	13.5		WE 1819	3.6	11.8		FR 1329	1.4	4.6		1343	1.8	5.9		1809	3.7	12.1		1800	3.4	11.2	
MA 2347	1.3	4.3		ME				VE 1942	3.6	11.8		2007	3.2	10.5		2345	2.1	6.9		2315	2.5	8.2	
6	0622	4.5	14.8	21	0013	2.0	6.6	6	0117	2.2	7.2	21	0115	2.6	8.5	6	0604	4.5	14.8	21	0526	3.9	12.8
1247	1.8	5.9		0652	4.2	13.8		0743	4.6	15.1		0739	4.0	13.1		1305	1.3	4.3		1243	1.6	5.2	
WE 1843	3.9	12.8		TH 1334	1.9	6.2		SA 1450	1.3	4.3		1502	1.6	5.2		1933	3.5	11.5		1924	3.2	10.5	
ME				JE 1931	3.4	11.2		SA 2114	3.6	11.8		2142	3.3	10.8		SA				DI			
7	0044	1.6	5.2	22	0110	2.3	7.5	7	0237	2.3	7.5	22	0245	2.7	8.9	7	0102	2.4	7.9	22	0032	2.7	8.9
0719	4.6	15.1		0747	4.2	13.8		0854	4.7	15.4		0851	4.1	13.5		0719	4.4	14.4		0639	3.8	12.5	
TH 1358	1.6	5.2		FR 1445	1.8	5.9		SU 1605	1.0	3.3		1606	1.4	4.6		1434	1.3	4.3		1405	1.6	5.2	
JE 2001	3.7	12.1		VE 2055	3.4	11.2		DI 2233	3.8	12.5		2242	3.6	11.8		2114	3.6	11.8		2059	3.3	10.8	
8	0148	1.9	6.2	23	0218	2.5	8.2	8	0356	2.3	7.5	23	0357	2.5	8.2	8	0234	2.4	7.9	23	0211	2.7	8.9
0817	4.8	15.7		0843	4.2	13.8		1002	4.8	15.7		0955	4.3	14.1		0843	4.3	14.1		0806	3.9	12.8	
FR 1509	1.3	4.3		SA 1548	1.6	5.2		MO 1705	0.8	2.6		1656	1.1	3.6		1554	1.1	3.6		1521	1.4	4.6	
VE 2121	3.8	12.5		SA 2211	3.5	11.5		LU 2330	4.0	13.1		2323	3.8	12.5		2228	3.8	12.5		2203	3.6	11.8	
9	0256	2.0	6.6	24	0327	2.5	8.2	9	0458	2.1	6.9	24	0449	2.3	7.5	9	0354	2.2	7.2	24	0330	2.4	7.9
0915	4.9	16.1		0936	4.3	14.1		1102	5.0	16.4		1049	4.5	14.8		0957	4.5	14.8		0924	4.0	13.1	
SA 1613	0.9	3.0		SU 1639	1.3	4.3		TU 1755	0.5	1.6		WE 1737	0.8	2.6		1653	0.9	3.0		1617	1.1	3.6	
SA 2233	4.0	13.1		DI 2305	3.7	12.1		MA				ME 2358	4.1	13.5		2318	4.1	13.5		2245	3.9	12.8	
10	0403	2.1	6.9	25	0424	2.5	8.2	10	0015	4.3	14.1	25	0533	2.0	6.6	10	0453	1.9	6.2	25	0425	2.1	6.9
1013	5.1	16.7		1025	4.5	14.8		0549	1.9	6.2		1136	4.8	15.7		1056	4.6	15.1		1024	4.3	14.1	
SU 1710	0.6	2.0		MO 1723	1.0	3.3		WE 1153	5.1	16.7		1815	0.6	2.0		1740	0.7	2.3		1702	0.9	3.0	
DI 2332	4.2	13.8		LU 2347	3.9	12.8		ME 1838	0.4	1.3		JE				2357	4.3	14.1		2321	4.2	13.8	
11	0503	2.0	6.6	26	0511	2.3	7.5	11	0055	4.5	14.8	26	0032	4.3	14.1	11	0539	1.6	5.2	26	0510	1.7	5.6
1108	5.3	17.4		1110	4.7	15.4		0634	1.7	5.6		0614	1.7	5.6		1144	4.8	15.7		1115	4.6	15.1	
MO 1801	0.4	1.3		TU 1802	0.8	2.6		TH 1238	5.2	17.1		1219	5.0	16.4		1819	0.6	2.0		1742	0.6	2.0	
LU				MA				JE 1917	0.3	1.0		VE 1852	0.4	1.3		JE				VE 2356	4.5	14.8	
12	0023	4.4	14.4	27	0024	4.1	13.5	12	0131	4.6	15.1	27	0106	4.6	15.1	12	0031	4.5	14.8	27	0553	1.2	3.9
0555	1.9	6.2		0552	2.2	7.2		0716	1.5	4.9		0656	1.4	4.6		0621	1.4	4.6		1201	4.9	16.1	
TU 1159	5.4	17.7		WE 1152	4.9	16.1		FR 1320	5.1	16.7		1302	5.1	16.7		1226	4.9	16.1		1820	0.5	1.6	
MA 1848	0.2	0.7		ME 1839	0.6	2.0		VE 1952	0.4	1.3		1928	0.3	1.0		1853	0.6	2.0		SA			
13	0108	4.5	14.8	28	0059	4.2	13.8	13	0206	4.6	15.1	28	0141	4.8	15.7	13	0103	4.6	15.1	28	0031	4.9	16.1
0643	1.8	5.9		0632	2.0	6.6		0757	1.4	4.6		1344	5.1	16.7		0659	1.2	3.9		0636	0.8	2.6	
WE 1247	5.4	17.7		TH 1233	5.0	16.4		SA 1359	<														

TABLE DES MARÉES

2021

BELLA COOLA HNP (UTC-8h)

April-avril

May-mai

June-juin

Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds			
1	0301	5.2	17.1	16	0245	4.5	14.8	1	0324	5.0	16.4	16	0251	4.4	14.4	1	0512	4.2	13.8	16	0418	4.1	13.5
TH	0939	0.4	1.3		0932	1.0	3.3		1015	0.4	1.3		0948	0.9	3.0		1153	1.0	3.3		1059	1.0	3.3
JE	1555	4.3	14.1	FR	1551	3.8	12.5	SA	1645	4.1	13.5	SU	1621	3.8	12.5	TU	1833	4.1	13.5	WE	1740	4.0	13.1
JE	2139	1.6	5.2	VE	2119	2.2	7.2	SA	2222	2.1	6.9	DI	2146	2.4	7.9	MA				ME	2335	2.2	7.2
2	0345	5.0	16.4	17	0316	4.3	14.1	2	0421	4.6	15.1	17	0333	4.2	13.8	2	0029	2.1	6.9	17	0521	4.0	13.1
FR	1031	0.6	2.0		1012	1.1	3.6		1114	0.8	2.6		1033	1.1	3.6		0620	4.0	13.1		1151	1.2	3.9
VE	1652	4.0	13.1	SA	1638	3.6	11.8	SU	1752	3.9	12.8	MO	1715	3.7	12.1	WE	1254	1.3	4.3	TH	1832	4.1	13.5
VE	2231	1.9	6.2	SA	2159	2.4	7.9	DI	2332	2.2	7.2	LU	2244	2.5	8.2	ME	1935	4.1	13.5				
3	0437	4.7	15.4	18	0354	4.1	13.5	3	0530	4.2	13.8	18	0427	4.0	13.1	3	0141	2.0	6.6	18	0041	2.0	6.6
SA	1131	0.9	3.0		1059	1.3	4.3		1223	1.1	3.6		1127	1.2	3.9		0730	3.8	12.5		0631	3.8	12.5
SA	1801	3.7	12.1	SU	1735	3.5	11.5	MO	1908	3.8	12.5	TU	1815	3.7	12.1	TH	1355	1.5	4.9	FR	1247	1.4	4.6
SA	2336	2.2	7.2	DI	2254	2.5	8.2	LU				MA	2356	2.5	8.2	JE	2031	4.2	13.8	VE	1926	4.3	14.1
4	0543	4.3	14.1	19	0445	3.9	12.8	4	0053	2.3	7.5	19	0538	3.8	12.5	4	0248	1.8	5.9	19	0149	1.8	5.9
SU	1245	1.1	3.6		1158	1.4	4.6		0649	4.0	13.1		1229	1.3	4.3		0840	3.7	12.1		0744	3.7	12.1
DI	1927	3.6	11.8	MO	1848	3.4	11.2	TU	1339	1.2	3.9	WE	1919	3.8	12.5	FR	1452	1.6	5.2	SA	1346	1.5	4.9
				LU				MA	2023	3.9	12.8	ME				VE	2119	4.3	14.1	SA	2018	4.5	14.8
5	0101	2.4	7.9	20	0012	2.6	8.5	5	0214	2.1	6.9	20	0113	2.3	7.5	5	0345	1.5	4.9	20	0253	1.4	4.6
MO	0706	4.1	13.5		0559	3.8	12.5		0807	3.9	12.8		0658	3.8	12.5		0945	3.7	12.1		0857	3.8	12.5
MO	1413	1.2	3.9	TU	1311	1.5	4.9	WE	1448	1.3	4.3	TH	1334	1.3	4.3	SA	1543	1.8	5.9	SU	1445	1.6	5.2
LU	2059	3.7	12.1	MA	2008	3.5	11.5	ME	2123	4.1	13.5	JE	2016	4.0	13.1	SA	2200	4.4	14.4	DI	2109	4.8	15.7
6	0232	2.3	7.5	21	0142	2.5	8.2	6	0323	1.9	6.2	21	0223	2.0	6.6	6	0433	1.3	4.3	21	0353	1.0	3.3
TU	0831	4.1	13.5		0729	3.8	12.5		0917	3.9	12.8		0815	3.8	12.5		1041	3.8	12.5		1007	3.9	12.8
MA	1529	1.2	3.9	WE	1426	1.4	4.6		1545	1.3	4.3		1434	1.3	4.3		1629	1.9	6.2		1545	1.7	5.6
MA	2204	3.9	12.8	ME	2111	3.7	12.1		2208	4.3	14.1		2106	4.3	14.1		2237	4.5	14.8		2159	5.1	16.7
7	0345	2.0	6.6	22	0258	2.2	7.2	7	0417	1.6	5.2	22	0324	1.6	5.2	7	0514	1.1	3.6	22	0449	0.6	2.0
WE	0944	4.2	13.8		0850	3.9	12.8		1017	4.0	13.1		0925	4.0	13.1		1128	3.9	12.8		1108	4.1	13.5
WE	1626	1.1	3.6	TU	1527	1.2	3.9		1631	1.4	4.6		1530	1.3	4.3		1710	2.0	6.6		1642	1.8	5.9
ME	2249	4.2	13.8	JE	2157	4.1	13.5		2245	4.4	14.4		2151	4.7	15.4		2312	4.6	15.1		2250	5.3	17.4
8	0440	1.7	5.6	23	0356	1.8	5.9	8	0501	1.3	4.3	23	0418	1.1	3.6	8	0553	0.9	3.0	23	0541	0.2	0.7
TH	1041	4.3	14.1		0955	4.1	13.5		1106	4.1	13.5		1027	4.2	13.8		1209	4.0	13.1		1203	4.3	14.1
TH	1711	1.0	3.3	FR	1617	1.0	3.3	SA	1711	1.4	4.6	SU	1621	1.3	4.3	TU	1747	2.0	6.6	WE	1737	1.8	5.9
JE	2325	4.4	14.4	VE	2237	4.4	14.4	SA	2318	4.6	15.1	DI	2235	5.0	16.4	MA	2345	4.7	15.4	ME	2341	5.4	17.7
9	0523	1.4	4.6	24	0445	1.3	4.3	9	0539	1.0	3.3	24	0507	0.6	2.0	9	0629	0.7	2.3	24	0632	0.0	0.0
FR	1127	4.5	14.8		1051	4.4	14.4		1148	4.2	13.8		1122	4.4	14.4		1248	4.0	13.1		1255	4.4	14.4
VE	1749	1.0	3.3	SU	1702	0.9	3.0	SU	1746	1.5	4.9	MO	1710	1.3	4.3	WE	1822	2.1	6.9	TH	1828	1.7	5.6
VE	2357	4.5	14.8	SA	2315	4.8	15.7	DI	2349	4.7	15.4	LU	2318	5.3	17.4	ME				JE			
10	0602	1.2	3.9	25	0530	0.9	3.0	10	0615	0.8	2.6	25	0556	0.2	0.7	10	0017	4.7	15.4	25	0031	5.5	18.0
SA	1208	4.5	14.8		1141	4.6	15.1		1227	4.2	13.8		1214	4.5	14.8		0704	0.6	2.0		0721	-0.1	-0.3
SA	1822	1.0	3.3	SU	1744	0.9	3.0	MO	1819	1.6	5.2	TU	1757	1.4	4.6	TH	1325	4.1	13.5	FR	1344	4.5	14.8
SA				DI	2353	5.1	16.7	LU				MA				JE	1855	2.1	6.9	VE	1919	1.7	5.6
11	0027	4.7	15.4	26	0615	0.4	1.3	11	0018	4.7	15.4	26	0002	5.5	18.0	11	0050	4.7	15.4	26	0121	5.4	17.7
SU	0638	1.0	3.3		1228	4.8	15.7		0650	0.7	2.3		0644	-0.1	-0.3		0739	0.6	2.0		0809	0.0	0.0
SU	1246	4.5	14.8	MO	1826	0.9	3.0	TU	1304	4.2	13.8	WE	1303	4.6	15.1	FR	1401	4.1	13.5	SA	1432	4.5	14.8
DI	1853	1.1	3.6	LU				MA	1850	1.8	5.9	ME	1844	1.5	4.9	ME	1930	2.2	7.2	SA	2009	1.7	5.6
12	0056	4.7	15.4	27	0032	5.4	17.7	12	0047	4.7	15.4	27	0046	5.5	18.0	12	0124	4.7	15.4	27	0210	5.2	17.1
0713	0.8	2.6		TU	0701	0.1	0.3		0724	0.6	2.0		0732	-0.2	-0.7		0815	0.6	2.0		0856	0.1	0.3
MO	1322	4.5	14.8	LU	1922	1.3	4.3	WE	1340	4.2	13.8	TH	1353	4.6	15.1	SA	1440	4.0	13.1	SU	1520	4.4	14.4
				MA	1907	1.0	3.3	ME	1920	1.9	6.2	JE	1932	1.6	5.2	SA	2007	2.2	7.2	DI	2101	1.8	5.9
13	0123	4.8	15.7	28	0111	5.5	18.0	13	0115	4.7	15.4	28	0132	5.5	18.0	13	0159	4.6	15.1	28	0259	5.0	16.4
0747	0.8	2.6		WE	0747	-0.1	-0.3	</															

July-juillet

August-août

September-septembre

Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds			
1	0544	3.9	12.8	16	0503	4.1	13.5	1	0110	1.8	5.9	16	0049	1.3	4.3	1	0245	1.6	5.2	16	0316	1.1	3.6
TH	1204	1.4	4.6	FR	1116	1.2	3.9	0711	3.4	11.2	SU	0703	3.5	11.5	0930	3.3	10.8	0955	3.8	12.5			
JE	1840	4.2	13.8	VE	1748	4.4	14.4	1250	2.2	7.2	MO	1236	2.1	6.9	1435	2.7	8.9	1521	2.3	7.5			
					DI	1923	4.1	13.5	1901	4.6	15.1	LU				2038	4.0	13.1	2123	4.4	14.4		
2	0057	1.9	6.2	17	0011	1.7	5.6	2	0220	1.7	5.6	17	0206	1.2	3.9	2	0350	1.4	4.6	17	0421	0.9	3.0
FR	0647	3.7	12.1	SA	0607	3.8	12.5	0832	3.3	10.8	MO	0831	3.5	11.5	1029	3.5	11.5	1048	4.1	13.5			
VE	1256	1.7	5.6	SA	1207	1.5	4.9	1356	2.4	7.9	TU	1354	2.3	7.5	1546	2.5	8.2	1625	1.9	6.2			
VE	1933	4.2	13.8	SA	1840	4.5	14.8	LU	2020	4.1	13.5	MA	2012	4.6	15.1	2143	4.1	13.5	2227	4.6	15.1		
3	0203	1.8	5.9	18	0117	1.5	4.9	3	0327	1.5	4.9	18	0325	1.0	3.3	3	0440	1.2	3.9	18	0511	0.7	2.3
SA	0756	3.5	11.5	SU	0719	3.6	11.8	0953	3.4	11.2	WE	0957	3.7	12.1	1109	3.8	12.5	1129	4.3	14.1			
SA	1352	1.9	6.2	DI	1305	1.8	5.9	1507	2.5	8.2	WE	1517	2.3	7.5	1636	2.3	7.5	1715	1.6	5.2			
SA	2024	4.3	14.1	DI	1935	4.6	15.1	2117	4.2	13.8	MA	2125	4.7	15.4	2236	4.4	14.4	2319	4.8	15.7			
4	0306	1.6	5.2	19	0226	1.3	4.3	4	0423	1.3	4.3	19	0432	0.8	2.6	4	0521	0.9	3.0	19	0553	0.6	2.0
SU	0910	3.5	11.5	MO	0838	3.6	11.8	1052	3.5	11.5	WE	1608	2.5	8.2	1142	4.0	13.1	1205	4.6	15.1			
DI	1450	2.1	6.9	LU	1411	2.0	6.6	2210	4.3	14.1	ME	2231	4.9	16.1	1718	2.0	6.6	1758	1.3	4.3			
5	0402	1.4	4.6	20	0335	1.0	3.3	5	0509	1.1	3.6	20	0527	0.5	1.6	5	0557	0.7	2.3	20	0004	4.9	16.1
MO	1016	3.5	11.5	FR	0956	3.7	12.1	1136	3.7	12.1	TH	1149	4.2	13.8	1213	4.3	14.1	0629	0.6	2.0			
LU	1546	2.2	7.2	TU	1521	2.1	6.9	1657	2.3	7.5	FR	1722	1.8	5.9	1757	1.7	5.6	1239	4.7	15.4			
LU	2156	4.4	14.4	MA	2135	4.9	16.1	2257	4.5	14.8	VE	2327	5.0	16.4	DI			1839	1.1	3.6			
6	0449	1.2	3.9	21	0437	0.6	2.0	6	0549	0.9	3.0	21	0613	0.4	1.3	6	0002	4.8	15.7	21	0045	4.9	16.1
TU	1110	3.7	12.1	WE	1102	3.9	12.8	1212	3.9	12.8	FR	1230	4.4	14.4	0632	0.6	2.0	0703	0.7	2.3			
MA	1636	2.3	7.5	WE	1628	2.0	6.6	1739	2.2	7.2	SA	1810	1.6	5.2	1245	4.5	14.8	1310	4.8	15.7			
MA	2238	4.5	14.8	VE	2235	5.1	16.7	2339	4.6	15.1	SA				1836	1.4	4.6	1917	1.0	3.3			
7	0531	1.0	3.3	22	0534	0.4	1.3	7	0626	0.7	2.3	22	0016	5.1	16.7	7	0043	4.9	16.1	22	0123	4.8	15.7
WE	1153	3.8	12.5	TH	1157	4.1	13.5	1245	4.1	13.5	SU	0654	0.3	1.0	1317	4.7	15.4	0734	0.9	3.0			
ME	1719	2.3	7.5	TH	1727	1.9	6.2	1817	2.0	6.6	DI	1855	1.4	4.6	1917	1.1	3.6	1341	4.9	16.1			
ME	2318	4.6	15.1	JE	2331	5.2	17.1	SA			MA				1955	0.9	3.0	2110	1.0	3.3			
8	0610	0.8	2.6	23	0624	0.2	0.7	8	0020	4.8	15.7	23	0100	5.2	17.1	8	0124	5.0	16.4	23	0201	4.6	15.1
TH	1232	3.9	12.8	FR	1246	4.3	14.1	0701	0.5	1.6	SU	1318	4.2	13.8	0840	0.8	2.6	0805	1.2	3.9			
JE	1758	2.2	7.2	VE	1819	1.8	5.9	1426	4.5	14.8	MO	1345	4.7	15.4	1453	4.9	16.1	1410	4.8	15.7			
JE	2356	4.7	15.4	DI	1856	1.8	5.9	1856	1.8	5.9	LU	1938	1.3	4.3	2102	1.2	3.9	1959	0.9	3.0			
9	0647	0.7	2.3	24	0024	5.3	17.4	9	0059	4.9	16.1	24	0142	5.0	16.4	9	0206	4.9	16.1	24	0239	4.4	14.4
FR	1308	4.0	13.1	SA	0711	0.1	0.3	0735	0.5	1.6	MO	1352	4.4	14.4	0807	0.5	1.6	0834	1.5	4.9			
VE	1836	2.2	7.2	SA	1330	4.5	14.8	LU	1936	1.7	5.6	TA	1419	4.7	15.4	2020	0.8	2.6	1439	4.7	15.4		
				SA	1908	1.6	5.2	MA			MA				2044	0.8	2.6	VE	2110	1.0	3.3		
10	0034	4.7	15.4	25	0112	5.3	17.4	10	0139	4.9	16.1	25	0222	4.8	15.7	10	0250	4.7	15.4	25	0318	4.2	13.8
0723	0.6	2.0	FR	0754	0.1	0.3	0810	0.5	1.6	TU	1426	4.5	14.8	0851	1.0	3.3	0904	1.8	5.9				
SA	1344	4.1	13.5	SU	1413	4.6	15.1	2019	4.5	14.8	WE	1453	4.7	15.4	1503	5.0	16.4	1509	4.5	14.8			
SA	1913	2.1	6.9	DI	1955	1.6	5.2	MA			ME	2102	1.2	3.9	2130	0.8	2.6	2149	1.2	3.9			
11	0112	4.8	15.7	26	0158	5.2	17.1	11	0220	4.8	15.7	26	0303	4.5	14.8	11	0339	4.4	14.4	26	0400	3.9	12.8
0758	0.5	1.6	MO	0835	0.2	0.7	0845	0.6	2.0	WE	1502	4.6	15.1	0912	1.1	3.6	0935	2.1	6.9				
SU	1420	4.2	13.8	LU	0845	4.6	15.1	1502	4.6	15.1	TH	1526	4.6	15.1	1543	5.0	16.4	1540	4.4	14.4			
DI	1953	2.0	6.6	LU	1454	4.6	15.1	2104	1.4	4.6	ME	2144	1.3	4.3	2221	0.9	3.0	2232	1.3	4.3			
12	0151	4.7	15.4	27	0243	4.9	16.1	12	0304	4.6	15.1	27	0345	4.2	13.8	12	0433	4.1	13.5	27	0449	3.6	11.8
0834	0.5	1.6	MO	0914	0.5	1.6	0921	0.8	2.6	TU	1540	4.7	15.4	0945	1.4	4.6	1016	1.7	5.6				
LU	1457	4.2	13.8	MA	1534	4.5	14.8	2153	1.4	4.6	FR	1600	4.5	14.8	2228	1.4	4.6	1629	4.8	15.7			
LU	2036	2.0	6.6	MA	2131	1.6	5.2	VE			DI				2318	1.0	3.3	2323	1.5	4.9			
13	0232	4.7	15.4	28	0328	4.6	15.1	13	0352	4.4	14.4	28	0430	3.9	12.8	13	0537	3.8	12.5	28	0552	3.4	11.2
0911	0.6	2.0	TU	0952	0.8	2.6	0959	1.1	3.6	FR	1621	4.7	15.4	1019	1.8	5.9	1111	2.1	6.9				
TU	1536	4.3	14.1	WE	1614	4.5	14.8	1706	4.7	15.4	SA	1637	4.3	14.1	2317	1.6	5.2	1726	4.6	15.1			
MA	2123	1.9	6.2	ME	2220	1.6	5.2	2342	1.3	4.3	SA				LU			MA					
14	0317	4.5	14.8	29	0415	4.3	14.1	14	0446	4.1	13.5	29	0522	3.6	11.8	14	0026						

TABLE DES MARÉES

2021

BELLA COOLA HNP (UTC-8h)

October-octobre

November-novembre

December-décembre

Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds	Day	Time	Metres	Feet	jour	heure	mètres pieds			
1	0305	1.5	4.9	16	0356	1.1	3.6	1	0354	1.3	4.3	16	0449	1.6	5.2	1	0353	1.6	5.2	16	0456	2.1	6.9
0950	3.6	11.8		1021	4.3	14.1		1016	4.5	14.8		1058	4.8	15.7		1008	5.0	16.4		1058	4.8	15.7	
FR 1521	2.5	8.2		SA 1615	1.8	5.9		MO 1626	1.5	4.9		TU 1723	1.1	3.6		WE 1645	0.9	3.0		1742	1.0	3.3	
VE 2111	4.0	13.1		SA 2215	4.4	14.4		LU 2230	4.3	14.1		MA 2332	4.3	14.1		ME 2259	4.3	14.1		JE			
2	0359	1.3	4.3	17	0443	1.1	3.6	2	0438	1.2	3.9	17	0527	1.6	5.2	2	0443	1.6	5.2	17	0000	4.1	13.5
1029	3.9	12.8		1059	4.5	14.8		1051	4.8	15.7		1130	4.9	16.1		1051	5.3	17.4		0535	2.2	7.2	
SA 1612	2.1	6.9		SU 1702	1.4	4.6		TU 1709	1.0	3.3		WE 1800	0.9	3.0		1732	0.4	1.3		1133	4.8	15.7	
SA 2209	4.2	13.8		DI 2305	4.5	14.8		MA 2319	4.5	14.8		ME				2351	4.5	14.8		1819	0.8	2.6	
3	0442	1.1	3.6	18	0523	1.0	3.3	3	0518	1.1	3.6	18	0013	4.3	14.1	3	0530	1.6	5.2	18	0039	4.1	13.5
1102	4.2	13.8		1133	4.7	15.4		1127	5.2	17.1		0601	1.8	5.9		1135	5.5	18.0		0611	2.2	7.2	
SU 1654	1.7	5.6		MO 1742	1.1	3.6		WE 1752	0.6	2.0		TH 1201	4.9	16.1		1820	0.1	0.3		1207	4.9	16.1	
DI 2257	4.5	14.8		LU 2348	4.6	15.1		ME				JE 1836	0.7	2.3		1854	0.7	2.3					
4	0520	0.9	3.0	19	0559	1.1	3.6	4	0006	4.7	15.4	19	0050	4.3	14.1	4	0041	4.6	15.1	19	0115	4.2	13.8
1134	4.5	14.8		1205	4.9	16.1		0559	1.2	3.9		0634	1.9	6.2		0618	1.7	5.6		0645	2.2	7.2	
MO 1734	1.3	4.3		TU 1820	0.9	3.0		TH 1205	5.4	17.7		1231	4.9	16.1		1220	5.7	18.7		1240	4.9	16.1	
LU 2341	4.7	15.4		MA				JE 1836	0.2	0.7		1910	0.7	2.3		1907	-0.1	-0.3		1929	0.7	2.3	
5	0556	0.8	2.6	20	0028	4.6	15.1	5	0052	4.8	15.7	20	0127	4.3	14.1	5	0129	4.7	15.4	20	0150	4.2	13.8
1207	4.8	15.7		0631	1.2	3.9		0639	1.3	4.3		0705	2.0	6.6		0705	1.7	5.6		0719	2.3	7.5	
TU 1814	0.9	3.0		WE 1235	4.9	16.1		FR 1243	5.6	18.4		1300	4.9	16.1		1306	5.7	18.7		1314	4.8	15.7	
MA				ME 1856	0.8	2.6		VE 1921	0.0	0.0		1944	0.7	2.3		1955	-0.1	-0.3		2003	0.7	2.3	
6	0024	4.9	16.1	21	0105	4.6	15.1	6	0139	4.8	15.7	21	0203	4.2	13.8	6	0219	4.6	15.1	21	0226	4.2	13.8
0632	0.8	2.6		0702	1.4	4.6		0722	1.4	4.6		0736	2.2	7.2		0754	1.8	5.9		0754	2.3	7.5	
WE 1240	5.1	16.7		TH 1303	4.9	16.1		SA 1324	5.6	18.4		1330	4.8	15.7		1354	5.5	18.0		1348	4.8	15.7	
ME 1856	0.6	2.0		JE 1930	0.7	2.3		SA 2007	0.0	0.0		2018	0.8	2.6		2044	0.1	0.3		2037	0.8	2.6	
7	0107	4.9	16.1	22	0142	4.5	14.8	7	0227	4.6	15.1	22	0240	4.1	13.5	7	0310	4.5	14.8	22	0303	4.1	13.5
0708	0.9	3.0		0732	1.6	5.2		0806	1.7	5.6		0808	2.3	7.5		0846	1.9	6.2		0832	2.3	7.5	
TH 1315	5.3	17.4		1331	4.9	16.1		SU 1407	5.5	18.0		1400	4.7	15.4		1445	5.2	17.1		1424	4.6	15.1	
JE 1939	0.4	1.3		VE 2005	0.7	2.3		DI 2055	0.1	0.3		2054	0.9	3.0		2134	0.3	1.0		2112	0.9	3.0	
8	0151	4.9	16.1	23	0219	4.3	14.1	8	0319	4.4	14.4	23	0320	4.0	13.1	8	0404	4.4	14.4	23	0341	4.1	13.5
0746	1.1	3.6		0801	1.9	6.2		0855	1.9	6.2		0844	2.4	7.9		0943	2.0	6.6		0915	2.3	7.5	
FR 1352	5.4	17.7		SA 1359	4.8	15.7		MO 1454	5.2	17.1		1434	4.5	14.8		1540	4.9	16.1		1505	4.5	14.8	
VE 2024	0.3	1.0		SA 2040	0.8	2.6		LU 2147	0.4	1.3		2131	1.0	3.3		2226	0.6	2.0		2150	1.0	3.3	
9	0238	4.7	15.4	24	0257	4.1	13.5	9	0416	4.2	13.8	24	0404	3.9	12.8	9	0459	4.3	14.1	24	0423	4.1	13.5
0825	1.3	4.3		0831	2.1	6.9		0951	2.1	6.9		0927	2.5	8.2		1047	2.1	6.9		1006	2.3	7.5	
SA 1431	5.3	17.4		1427	4.6	15.1		TU 1549	4.8	15.7		1513	4.3	14.1		1641	4.5	14.8		1551	4.3	14.1	
SA 2111	0.4	1.3		DI 2117	1.0	3.3		MA 2244	0.7	2.3		2213	1.2	3.9		2322	1.0	3.3		2231	1.2	3.9	
10	0328	4.4	14.4	25	0338	3.9	12.8	10	0521	4.0	13.1	25	0454	3.8	12.5	10	0559	4.3	14.1	25	0509	4.1	13.5
0909	1.7	5.6		0903	2.3	7.5		1059	2.3	7.5		1022	2.6	8.5		1156	2.2	7.2		1103	2.3	7.5	
SU 1513	5.1	16.7		MO 1458	4.4	14.4		WE 1656	4.5	14.8		1602	4.1	13.5		1749	4.2	13.8		1647	4.0	13.1	
DI 2201	0.6	2.0		LU 2156	1.2	3.9		ME 2350	1.0	3.3		2303	1.4	4.6		VE				2317	1.4	4.6	
11	0424	4.1	13.5	26	0424	3.7	12.1	11	0635	4.0	13.1	26	0552	3.8	12.5	11	0022	1.3	4.3	26	0558	4.2	13.8
0959	2.0	6.6		0943	2.5	8.2		1219	2.4	7.9		1132	2.6	8.5		1709	3.9	12.8		1754	3.8	12.5	
MO 1603	4.8	15.7		TU 1534	4.2	13.8		TH 1814	4.2	13.8		FR 1709				VE				DI			
LU 2259	0.8	2.6		MA 2242	1.4	4.6																	
12	0530	3.8	12.5	27	0522	3.6	11.8	12	0104	1.3	4.3	27	0001	1.5	4.9	12	0123	1.6	5.2	27	0010	1.6	5.2
1103	2.3	7.5		1038	2.7	8.9		0750	4.0	13.1		0653	3.9	12.8		1248	2.5	8.2		0801	4.3	14.1	
TU 1706	4.5	14.8		WE 1623	4.0	13.1		FR 1343	2.2	7.2		1829	3.8	12.5		1422	1.9	6.2		1315	2.0	6.6	
MA				ME 2340	1.5	4.9		VE 1935	4.0	13.1		2059	3.9	12.8		2013	3.8	12.5		1907	3.7	12.1	
13	0009	1.1	3.6	28	0635	3.5	11.5	13	0216	1.4	4.6	28	0104	1.6	5.2	13	0224	1.8	5.9	28	0107	1.7	5.6
0653	3.7	12.1		1159	2.8	9.2		0853	4.2	13.8		1400	2.0	6.6		1400	2.2	7.2		0744	4.5	14.8	
WE 1226	2.5	8.2		TH 1738	3.8	12.5		SA 1457	2.0	6.6		1400	2.2	7.2		1526	1.6</b						

2021-2022 Consultation Plan

The Central Coast Salmon *2021 Post Season Review - 2022 Planning Framework* document will be distributed to Central Coast First Nations, sport fishing representatives and commercial fishing representatives the week of November 22, 2021. The document will be available at the North Coast SFAC meeting, the North Coast Post Season Review meeting, and the North Coast Harvest Board meetings in Prince Rupert.

The North Coast Integrated Salmon Harvest Planning Committee (IHPC) has been established by Fisheries and Oceans Canada (DFO) Pacific Region as a forum for stakeholders to provide formal advice and make recommendations to the Department on operational decisions related to salmon harvesting north of Cape Caution. This is part of a process to establish a more streamlined, representative, cross sectoral advisory process for harvest planning, management and post-season review; and reflects commitments outlined in both the Improved Decision-Making discussion paper (2000) and the results of the Fraser River Sockeye Review (2002). Participants on the committee are nominated by their respective organizations/sectors, and those nominations are forwarded to the Department. During the post season review, input and advice will be sought after regarding: stock status - to ensure conservation goals are met; any problems encountered in the management and enforcement of the fishery; any unexpected actions during the year not covered in the fishing plan; any management or enforcement actions that will improve the fishery; and expected stock status for the coming year.

First Nations

First Nations participation on the IHPC is intended to co-ordinate the fishing plans of First Nations and other users of the resource. DFO recognizes that some issues are best addressed in bilateral processes. Negotiation of Food, Social and Ceremonial (FSC) harvest plans is not within the scope of the IHPC; this remains within the scope of the bilateral relationship between First Nations and DFO. With the complexity and large number of First Nations in each geographic area, it is understood that to fully represent all FSC interests would be difficult. The expectation is that First Nations representatives would possess a general perspective and understanding of FSC and harvest management issues in their areas.

The First Nation Fisheries Council of BC has established a Salmon Coordinating Committee (SCC) as a result of BC First Nations' concerns about existing DFO processes to develop Integrated Fishery Management Plans (IFMPs). The purpose of the SCC is to advance First Nations priorities and recommendations in the management of salmon and development of DFO's salmon IFMPs. The SCC delegates, which includes one Central Coast representative, accomplish this through the advancement of strategic technical and management priorities at a tier two level.

In May/June 2021, a terms of reference was drafted for a 2021 Central Coast In-Season Salmon Management Process that described guiding principles, objectives, context, and a work plan for a 2021 in-season management process between DFO and the four Central Coast First Nations (CCFN): Heiltsuk, Kitasoo/Xai'xais, Nuxalk, and Wuikinuxv. The 2021 objectives included: 1) review current/preferred methodologies for in-season management; 2) communicate in-season observations, data, and reports to improve in-season management; and 3) discuss and develop in-season approaches to the above information. The Tier 2 engagement activities included a pre-

season meeting, in-season communications & meetings (June – September), and a post season review (Nov/Dec).

Both DFO and the Central Coast First Nations expect to further update this process in 2022 to align with the implementation of the Fisheries Resources Reconciliation Agreement between DFO and the Coastal First Nations (including the Central Coast First Nations).

DFO is seeking to develop a process (annual pre-season meeting, in-season communication, and post season review) in DFO Statistical Management Area 10 with the Gwa'sala and Nakwaxda'xw Nations.

Commercial Fishery

The commercial fishery advisory structure is now composed of Local Area Harvest Committees (AHCs) and a Commercial Harvest Planning Committee (CHPC). The AHCs relay information to salmon vessel owners, bring forward advice from salmon vessel owners on local issues to the CHPC, consider issues raised by licensees and take action as required, provide advice and clarification on specific inputs into reports including fishery monitoring information, enforcement, etc., provide advice on the development of local fishing plans within the context of Integrated Fishery Management Plan development, and provide advice regarding changes to fishing plans. The AHCs have representatives on the CHPC. The Department will consider the CHPC the primary source of advice and consultations on issues affecting the commercial sector.

Due to COVID-19 pandemic restrictions, no in-person meetings were permitted. All consultation and communication was carried out using email, teleconference, or virtual meeting technology. All post season meetings will be held using virtual technology. In-season consultation with local net fishers continued in the Central Coast in 2021. Post season meeting dates with local Central Coast commercial harvesters are to be determined for 2021.

The AHC meeting for Area C Gillnet and Area A Seine is being held on December 3, 2021. The North Coast Salmon Post Season Review meeting will be held on December 2 & 3. Due to COVID-19 pandemic restrictions, all post season meetings will be held using virtual meeting technology.

Sport Fishery

The Bella Coola Sport Fish Advisory Committee (SFAC) date is to be determined and will be held using virtual meeting technology. The Central Coast (Tidal) SFAC will meet also using virtual technology on November 24, 2021. At these meetings the *2021 Post Season Review - 2022 Planning Framework* document will be discussed and there will be short presentations on stock assessment, salmon enhancement and enforcement activities carried out this past season. These group will meet again virtually in late March/early April 2022 to respond to the comments and concerns that were brought forward regarding the *2021 Post Season Review - 2022 Planning Framework* and to provide an update on recent DFO initiatives.

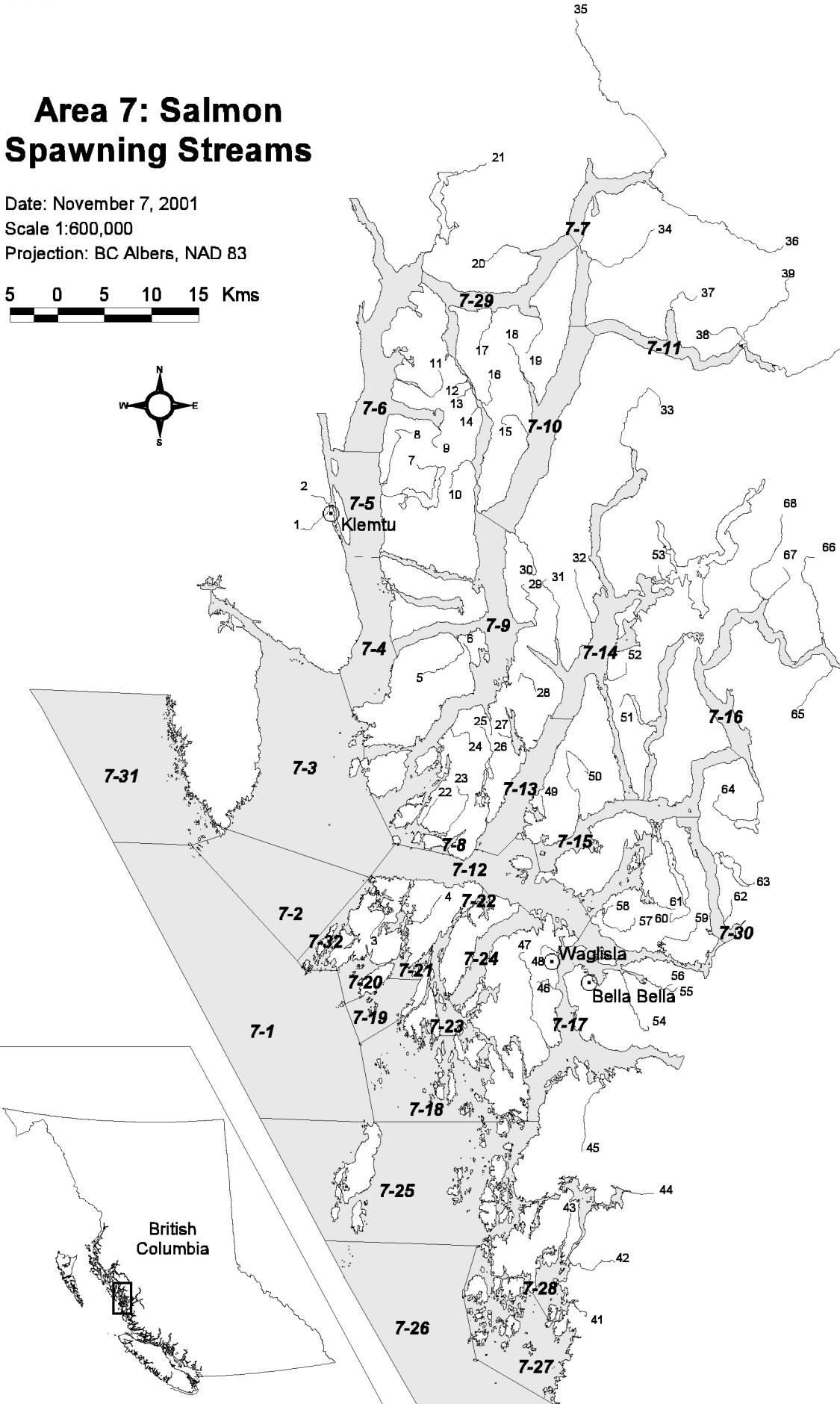
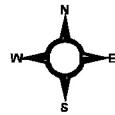
Area 7: Salmon Spawning Streams

Date: November 7, 2001

Scale 1:600,000

Projection: BC Albers, NAD 83

5 0 5 10 15 Kms



Stream Names

- 1 Kitasu Creek
 - 2 Klemtu Creek
 - 3 Sound Point Lagoon Creek
 - 4 Wahgilah Creek
 - 5 Bulley Bay Creek
 - 6 Robinson #1 Creek
 - 7 Lagoon Creek
 - 8 Mary Cove Creek
 - 9 Watson Bay Creek
 - 10 Calder Creek
 - 11 Bottleneck Creek
 - 12 Gorilla Creek
 - 13 Reak Creek
 - 14 Peno Creek
 - 15 Canyon Creek
 - 16 Geish Creek
 - 17 Duthie Creek
 - 18 James Bay Creek
 - 19 Windy Bay Creek
 - 20 Bolin Bay Creek
 - 21 Carter River
 - 22 Tuno Creek West
 - 23 Tuno Creek
 - 24 Windfall Creek
 - 25 Tankeeah River
 - 26 Tom Bay Creek
 - 27 Spiller Lagoon Creek
 - 28 Nameless Creek
 - 29 Salmon Bay Creek
 - 30 Hird Point Creek
 - 31 Neekas Creek
 - 32 Chamiss Creek
 - 33 Pine River
 - 34 Korich Creek
 - 35 Mussel River
 - 36 Poison Cove Creek
 - 37 Big Bay Creek
 - 38 Big Creek
 - 39 Kainet Creek
 - 40 Lard Creek
 - 41 Watt Creek
 - 42 Kildidt Creek
 - 43 Stewart Creek
 - 44 Kildidt Lagoon #2 Creek
 - 45 Cooper Inlet #1 Creek
 - 46 Mccloughlin Creek
 - 47 Ship Point Creek
 - 48 Kwakiutl Creek
 - 49 Hauser Creek
 - 50 Kwakusdis River
 - 51 Emily Creek
 - 52 Bullock Channel #1 Creek
 - 53 Ellerslie Lagoon Creek
 - 54 Kadjudis River
 - 55 Kunsoot River
 - 56 Drew Creek
 - 57 Sally Creek
 - 58 Lilian Creek
 - 59 Beale's Lagoon Creek
 - 60 Deer Pass Creek
 - 61 Deer Pass Lagoon #2 Creek
 - 62 Goat Bushu Creek
 - 63 Walker Lake Creek
 - 64 Clatse Creek
 - 65 Rainbow Creek
 - 66 Quaracha Creek
 - 67 Lee Creek
 - 68 Roscoe Creek

2021 POST SEASON SUMMARY AND ASSESSMENT
AREA 7 - BELLA BELLA SUB-DISTRICT

1. Preseason Expectations - Net Fishery:

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Stld</u>
Expected Surplus	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Target Escapement	24,200	N/A	440,720	311,950	N/A	N/A	N/A
Surplus	N/A	N/A	0	N/A	N/A	N/A	N/A

2. Postseason Catch

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Stld</u>
<u>Commercial Field Catches</u>							
<u>Seine</u>							
Seine	0	0	0	0	0	0	0
Gillnet	0	0	0	0	0	0	0
Total Net	0	0	0	0	0	0	0
Troll	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<u>Sport Catches</u> Information is incomplete at this time							
Tidal	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*
Non-Tidal	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*
Total	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*
<u>FSC Catches</u>							
Tidal	143	363	78	95	401	0	0
Non-Tidal	UNK	UNK	UNK	UNK	UNK	UNK	UNK
Total	143	363	78	95	401	0	0

3. Escapement

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Stld</u>
2021**	942	N/A	161,964	64,761	N/A	N/A	N/A
Target	24,200	N/A	440,720	311,950	N/A	N/A	N/A

4. Commercial Fishery Stats:

	<u>Date of First Fishery</u>	<u>Date of Last Fishery</u>	<u>Date of CFB</u>	<u>Total Days Fishing</u>	<u>Total Accum Effort</u>
Seine	N/A	N/A	N/A	0	0
Gillnet	N/A	N/A	N/A	0	0
Troll	See NC-PSR document for information				

*Combined Area 7,8,9 Sport Lodge and Charter Operator Weekly catch.

Commercial field net catches from in-season catch database.

**Cumulative escapement is the sum of those systems which have current year estimates only.

N/A - not available; A/P - Inspected and species present, but no estimate of escapement available

5. Commercial Net Fishery Summary:

Area 7 salmon returns fell short of the pre-season expectations for the fifth consecutive season. Key stream escapement estimates were far below target, with the exception of Neekas Creek and Kunsoot River Pinks.

There were no commercial gillnet or seine openings in Area 7 during the 2021 season, consistent with the pre-season expectations.

Poor Chum returns were realized in throughout Area 7, in-season assessment data indicated poor returns to key streams, and there were not sufficient returns to support commercial opportunities. Inclement weather and high water conditions in Area 7 resulted in difficult assessment conditions as the season progressed.

The Klemtu and McGoughlin Bay hatcheries failed to meet their Chum egg take targets. Bella Bella collected 1.4 million eggs and Klemtu 300,000. A lack of Chum and multiple high water events were significant factors. No surplus was identified for targeted commercial opportunities on hatchery stocks in 2021.

Under the Commercial Salmon Allocation Framework (CSAF), the Kitasoo First Nation and Heiltsuk First Nation have a small commercial fishery opportunity in Klemtu Pass and McGoughlin Bay, respectively. Allocation is based on a percentage of the commercial gill net or seine catch in these areas. As there was no commercial fishery in either location, these fisheries did not occur.

6. Commercial Troll Fishery Summary:

For information on CSAF Troll demonstration see North Coast Post Season Review.

7. Sport Fishery Summary:

COVID 19 precautions had many lodge/charter operators closed this season. There were a total of five lodges/charters that operated within Areas 7, 8, and 9 during the 2021 season. Those that did operate were at reduced capacity and with varying degrees of a shortened season. Catch and effort totals are not complete as not all lodge data has been submitted.

See Appendix II for a detailed summary of the Sport Lodge and Charter Operator Weekly catch.

8. First Nation Food, Social and Ceremonial Fishery Summary:

Communal Licences were issued to the Heiltsuk Tribal Council and Kitasoo/Xai'Xais Nations for the 2021 fishing season. The Aquatics Division of the Heiltsuk Integrated Resource Management

Department (HIRMD) administers the Heiltsuk food, social and ceremonial fisheries by issuing permits to individual band members and collecting catch statistics. Every Kitasoo Band member is eligible to fish under the Kitasoo Communal Licence and the Kitasoo Fisheries Program is responsible for collecting catch statistics.

See Appendix III for a summary of preliminary catches for these fisheries.

9. Escapement Summary:

Sockeye

Preliminary Sockeye escapement estimate is 32 for Mussel River and 700 for Kainet Creek. Inclement weather conditions resulted in no estimate for Kakushdish and Mary Cove Creeks, and Lagoon Creek was not inspected. The Kitasoo Fisheries Program took a total of approximately 20,000 eggs from Lagoon Creek and Mary's Cove for their Victor Creek facility. Due to unfavorable environmental conditions and low fish numbers, the Heiltsuk (HIRMD - Aquatics) did not collect any eggs from Tankeeah for the Emily Lake hatchery.

Coho

Assessment is ongoing and information to-date is inadequate to comment further. McLoughlin and Kitasoo hatcheries are conducting eggtake operations at this time.

Pink

Pink escapements are below target except for Neekas Creek and Kunsoot River, which made target.

Chum

Chum escapements were far below target for all the key streams in Area 7. The Bella Bella hatchery fell well short of the 2.5 million target with 1.4 million eggs on hand, Kitasoo hatchery fell short of their 1.5 million target with 331,397 eggs collected.

10. Current Year/Target Escapement Comparison - Key Streams (All estimates preliminary)

Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement
Mussel (Bear)	50,000	36,000
Kainet	75,000	25,700
Carter	10,000	N/I
James Bay	15,000	A/P

Nameless	20,000	A/P
Salmon Bay	20,000	3,800
Neekas	35,000	56,000
Kwakusdis	20,000	A/P
Kunsoot	10,000	10,000
Quartcha	8,000	1,600
Clatse	30,000	9,300
Cooper Inlet Creeks	20,000	A/P

Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement
Mussel (Bear)	40,000	10,000
Kainet	50,000	13,500
Nameless	5,000	N/I
Salmon Bay	10,000	860
Neekas	30,000	750
Kwakusdis	20,000	N/I
Kunsoot	8,500	260
Roscoe	50,000	24,000
Quartcha	5,000	1000
Clatse	10,000	900
Cooper Inlet	15,000	A/P

N/I- Not Inspected

N/O- Inspected but none observed

A/P- Inspected and species present, but no estimate of escapement available

11. Appendices:

Appendix I - Area 7 Weekly Net Catch Summary for 2021 -N/A

Appendix II - Area 7, 8, 9 Weekly Sport Lodge and Charter Operator Catch for 2021

Appendix III - Area 7 First Nation Food, Social and Ceremonial (FSC) Fishery Preliminary Catch for 2021

Appendix IV - Area 7 Preliminary Escapements for 2021

Appendix II - 2021 Areas 7 to 9 Sport Lodge/Charter Operator Weekly Catch

Wk #	Wk Ending	Angler Days	RETAINED								RELEASED	
			Coho		Chinook		Pk	Cm	Lng	Hal	Rk	Coho
			Marked	UnMarked	Marked	UnMarked						
22	29-May	20		0		4		18	9	22		
23	5-Jun	25		0		6		18	8	30		
24	12-Jun	30		6		19		24	10	36		
25	19-Jun	207		6	20	143		42	39	56		
26	26-Jun	301		10	27	189		65	30	142		
27	3-Jul	359		40	17	243		55	20	128		
28	10-Jul	308	1	41	28	217	4	58	33	109		
29	17-Jul	353		111	20	207	8	31	22	114		
30	24-Jul	383	36	187	24	225	37	4	69	49	90	
31	31-Jul	537	10	624	12	203	8	5	142	97	196	
32	7-Aug	531	64	687	9	186	7	88	102	152		
33	14-Aug	614		788	16	280	6	2	169	115	216	
34	21-Aug	539		687	13	137	1	3	54	51	112	
35	28-Aug	444		677	5	57	9	2	58	60	156	
36	4-Sep	491		607	4	18		96	84	174		
37	11-Sep	32		7		0		2	16	0		
Season Total			5,174	111	4,478	195	2,134	80	16	989	745	1,733
Ad - adult (L) - legal (Sub) - sublegal												

Lodges/Charter operating this season include:

Duncanby Lodge, Hakai Land and Sea, Legacy Lodge & Always An Adventure

Appendix III - 2021 Preliminary Kitasoo/Xai'Xais - FSC Weekly Catches

Area 7

	Week							Sthd.
Week	Ending	Effort	Sockeye	Coho	Pink	Chum	Chinook	Kept
34	21-Aug	11	0	28	0	2	10	0
35	28-Aug	5	0	10	0	0	12	0
36	4-Sep	4	0	10	0	0	3	0
37	11-Sep							
38	18-Sep							
39	25-Sep	1	0	1	0	0	0	0
TOTAL		N/A	0	49	0	2	25	0

Area 6

	Week							Sthd.
Week	Ending	Effort	Sockeye	Coho	Pink	Chum	Chinook	Kept
19	8-May	1	0	0	0	0	3	0
20	15-May	3	0	0	0	0	22	0
21	22-May	4	0	0	0	0	13	0
22	29-May	4	0	0	0	0	12	0
23	5-Jun	1	0	0	0	0	3	0
24	12-Jun							
25	19-Jun							
26	26-Jun							
27	3-Jul	8	1,526	0	0	0	2	0
28	10-Jul	8	1,624	0	0	0	0	0
29	17-Jul	6	613	1	1	3	2	0
30	24-Jul							
31	31-Jul							
32	7-Aug							
33	14-Aug							
34	21-Aug							
35	28-Aug	1	0	1	0	0	1	0
TOTAL		36	3,763	2	1	3	58	0

Appendix III - 2021 Heiltsuk - Preliminary FSC Salmon Harvest in Area 7

	Effort							Sthd.
Month	# of fishers	Sockeye	Coho	Pink	Chum	Chinook	Kept	
May - Sept		143	314	78	93	376	0	
TOTAL		143	314	78	93	376	0	

Appendix IV
Area 7 2021 Preliminary Escapements

FINLAYSON - MUSSEL CHANNEL	Sockeye	Coho	Pink	Chum	Chinook
BOLIN BAY CREEK (GREEN BAY CR.)	N/O	14	2000	130	N/I
BOTTLENECK CREEK	N/I	N/I	N/I	N/I	N/I
CALDER CREEK	N/I	N/I	N/I	N/I	N/I
CARTER RIVER	N/I	A/P	N/I	A/P	N/I
DUTHIE CREEK	N/O	A/P	5450	3770	N/I
GEISH CREEK	N/I	N/I	N/I	N/I	N/I
GORILLA CREEK	N/I	N/I	N/I	N/I	N/I
KITASOO CREEK	N/O	299	1017	2658	N/I
KLEMNTU CREEK	N/O	N/I	N/I	N/I	N/I
KORICH CREEK	N/I	N/I	N/I	A/P	N/I
LAGOON CREEK	N/I	N/I	A/P	A/P	N/I
MARY COVE CREEK	A/P	N/I	A/P	N/I	N/I
MUSSEL RIVER (BEAR R.)	32	A/P	36000	10000	N/I
POISON COVE CREEK	N/O	A/P	1000	200	N/I
WATSON BAY CREEK	N/I	N/I	N/I	N/I	N/I
WINDY BAY CREEK	N/O	A/P	A/P	A/P	N/I
Total	32	313	45,467	16,758	N/I

GUNBOAT - SEAFORTH - RETURN	Sockeye	Coho	Pink	Chum	Chinook
BULLOCK CHANNEL CREEKS (4)	N/O	A/P	5220	3,966	N/I
DEER PASS LAGOON CREEKS (2)	N/I	N/I	N/I	N/I	N/I
DREW CREEK	N/O	A/P	N/O	N/O	N/I
EMILY CREEK	N/I	N/I	N/I	N/I	N/I
FELL CREEK	N/O	N/O	60	14	N/I
GOAT BUSHU CREEK	N/O	A/P	150	12	N/I
KAKUSHDISH CREEK (KADJUSDIS CR.)	A/P	N/O	A/P	A/P	N/I
KUNSOOT RIVER	N/I	A/P	A/P	260	N/I
KWAKUSDIS RIVER	N/I	A/P	N/I	N/I	N/I
LILIAN CREEK	N/O	A/P	N/O	N/O	N/I
SALLY CREEK	N/I	A/P	A/P	N/I	N/I
SCRIBNER CREEK (BEALE'S LAGOON CREEK)	N/O	A/P	525	70	N/I
SOUND POINT LAGOON CREEK (YAAKLELE LAGOON)	N/I	N/I	N/I	N/I	N/I
TUNO CREEK EAST	N/I	N/I	N/I	N/I	N/I
TUNO CREEK WEST	N/I	N/I	N/I	N/I	N/I
WAHGILAH CREEK	N/I	N/I	N/I	N/I	N/I
WALKER LAKE CREEK	N/O	N/O	N/O	10	N/I
WEBSTER LAKE CREEK (DEER PASS CREEK)	N/O	N/I	600	A/P	N/I
Total	A/P	A/P	6,555	4,332	N/I

KYNOCK	Sockeye	Coho	Pink	Chum	Chinook
BIG CREEK	N/I	A/P	1700	N/O	N/I
FALLIS CREEK (DEBRISAY BAY CR.)	N/I	A/P	230	A/P	N/I
KAINET CREEK	700	A/P	25700	13500	N/I
LARD CREEK	2	A/P	1000	1500	N/I
Total	702	A/P	28,630	15,000	N/I

Area 7 2021 Preliminary Escapements

MATHIESON CHANNEL	Sockeye	Coho	Pink	Chum	Chinook
BULLEY BAY CREEK	N/I	A/P	N/I	N/I	N/I
CANYON CREEK	N/O	A/P	5500	60	N/I
HIRD POINT CREEK	N/O	N/I	A/P	A/P	N/I
JAMES BAY CREEK	A/P	A/P	A/P	A/P	N/I
MCPHERSON CREEK	N/I	N/I	N/I	N/I	N/I
NAMELESS CREEK	N/O	N/I	N/I	N/I	N/I
PENO CREEK	N/I	N/I	N/I	N/I	N/I
REAK CREEK	N/I	N/I	N/I	N/I	N/I
RESCUE BAY CREEKS	N/O	A/P	20	112	N/I
ROBINSON CREEKS	N/I	N/I	N/I	N/I	N/I
SALMON BAY CREEK	N/O	A/P	3800	860	N/I
TOM BAY CREEK	N/I	A/P	220	70	N/I
WINDFALL CREEK	N/O	N/I	N/I	N/I	N/I
Total	A/P	A/P	9,520	1,102	N/I

ROSCOE INLET	Sockeye	Coho	Pink	Chum	Chinook
CLATSE CREEK	N/O	A/P	9300	900	N/I
LEE CREEK	N/O	A/P	110	20	N/I
QUARTCHA CREEK	2	A/P	1600	1000	N/I
RAINBOW CREEK	N/O	A/P	2	10	N/I
ROSCOE CREEK	4	680	1580	24000	N/I
Total	6	680	12,592	25,930	N/I

SOUTHERN GROUP - HUNTER ISLAND	Sockeye	Coho	Pink	Chum	Chinook
ADA COVE CREEK	N/O	N/I	A/P	A/P	N/I
CHOKE PASS CREEKS (3)	N/I	N/I	N/I	N/I	N/I
COOPER INLET CREEKS (5)	100	A/P	A/P	A/P	N/I
FANCY COVE CREEK (HEAD)	N/O	N/I	N/O	4	N/I
FANCY COVE CREEK (RIGHT HAND CREEK)	N/O	N/I	N/O	20	N/I
FANNIE COVE LEFT HAND CREEK	N/O	A/P	A/P	A/P	N/I
FANNIE COVE RIGHT HAND CREEK	100	A/P	A/P	A/P	N/I
JANE CREEK	N/I	N/I	N/O	N/O	N/I
KWAKIUTL CREEK	N/I	N/I	N/I	N/I	N/I
MCLOUGHLIN BAY CREEK	N/I	N/I	N/I	500	N/I
Total	200	A/P	A/P	524	N/I

SPILLER	Sockeye	Coho	Pink	Chum	Chinook
CHEENIS LAKE CREEK	N/O	A/P	3200	365	N/I
ELLERSLIE LAGOON CREEK	N/I	N/I	N/I	N/I	N/I
NEEKAS CREEK	2	A/P	56000	750	N/I
SPILLER LAGOON CREEK	N/I	N/I	N/I	N/I	N/I
TANKEEAH RIVER (TINKEY R.)	A/P	A/P	N/I	A/P	N/I
Total	2	A/P	59,200	1,115	N/I

Total Area 7	942	993	161,964	64,761	N/I
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N/I - Not inspected

N/O - Inspected but none observed

N/P - No population present

A/P - Inspected and species present, but no estimate of escapement available

AREA 7 PINK EVEN YEARS

YEAR	CATCH	ESC	TOTAL STOCK
1960	175,550	112,475	288,025
1962	1,209,384	307,300	1,516,684
1964	627,628	353,650	981,278
1966	1,321,308	437,150	1,758,458
1968	824,063	562,325	1,386,388
1970	813,675	323,365	1,137,040
1972	1,316,500	269,150	1,585,650
1974	501,415	153,425	654,840
1976	486,539	263,740	750,279
1978	328,957	287,710	616,667
1980	421,954	229,821	651,775
1982	173,782	172,575	346,357
1984	121,614	170,220	291,834
1986	707,235	184,288	891,523
1988	396,449	272,440	668,889
1990	362,454	363,031	725,485
1992	59,642	267,194	326,836
1994	10,604	193,925	204,529
1996	20,403	225,371	245,774
1998	7,019	166,985	174,004
2000	2,365	189,900	192,265
2002	91,373	365,850	457,223
2004	139,742	240,580	380,322
2006	6,050	38,680	44,730
2008	0	60,148	60,148
2010	0	64,030	64,030
2012	23,810	183,680	207,490
2014	84,505	188,580	273,085
2016	15,319	63,603	78,922
2018	0	38,512	38,512
2020	0	217,248	217,248

AREA 7 PINK ODD YEARS

YEAR	CATCH	ESC	TOTAL STOCK
1961	553,194	333,475	886,669
1963	353,828	293,975	647,803
1965	602,811	111,535	714,346
1967	35,759	150,180	185,939
1969	40,597	234,585	275,182
1971	274,615	416,900	691,515
1973	383,541	182,650	566,191
1975	184,122	101,850	285,972
1977	287,406	292,720	580,126
1979	568,127	441,268	1,009,395
1981	938,989	290,420	1,229,409
1983	61,200	293,616	354,816
1985	888,470	328,142	1,216,612
1987	213,679	83,171	296,850
1989	32,063	284,076	316,139
1991	142,783	245,179	387,962
1993	17,203	275,828	293,031
1995	35,836	148,185	184,021
1997	26,815	191,675	218,490
1999	50,666	182,020	232,686
2001	142,184	427,460	569,644
2003	62,690	353,900	416,590
2005	27,728	222,675	250,403
2007	7,511	257,625	265,136
2009	3,203	566,297	569,500
2011	9,375	225,610	234,985
2013	32,162	383,316	415,478
2015	40,486	85,696	126,182
2017	940	121,865	122,805
2019	0	108,465	108,465
2021	0	161,964	161,964

*1960 to 2000 Catches From B.C. Catch Statistics.

**2001 to 2021 Final Hails.

***Net Catch Only.

AREA 7 CHUM

YEAR	CATCH	ESC	TOTAL STOCK
1960	124,751	118,475	243,226
1961	103,564	78,250	181,814
1962	258,507	235,825	494,332
1963	213,512	167,725	381,237
1964	292,970	218,675	511,645
1965	58,239	85,980	144,219
1966	289,316	448,917	738,233
1967	84,310	193,290	277,600
1968	373,007	333,275	706,282
1969	194,861	222,785	417,646
1970	797,822	372,550	1,170,372
1971	291,804	238,675	530,479
1972	633,657	266,000	899,657
1973	1,263,049	405,150	1,668,199
1974	550,360	228,090	778,450
1975	162,392	105,940	268,332
1976	149,014	95,735	244,749
1977	75,624	155,810	231,434
1978	332,921	267,750	600,671
1979	213,307	169,665	382,972
1980	396,854	97,567	494,421
1981	203,854	142,927	346,781
1982	255,636	200,882	456,518
1983	21,996	114,449	136,445
1984	217,813	144,762	362,575
1985	237,407	169,338	406,745
1986	329,523	150,662	480,185
1987	211,437	113,369	324,806
1988	313,274	216,935	530,209
1989	98,873	159,868	258,741
1990	213,116	151,348	364,464
1991	138,621	170,197	308,818
1992	49,129	57,335	106,464
1993	98,930	120,769	219,699
1994	190,852	112,748	303,600
1995	201,454	214,065	415,519
1996	65,119	230,765	295,884
1997	55,973	199,955	255,928
1998	99,883	322,330	422,213
1999	84,388	198,290	282,678
2000	33,387	169,820	203,207
2001	160,068	233,902	393,970
2002	237,348	218,680	456,028
2003	333,449	292,100	625,549
2004	416,283	299,366	715,649
2005	68,962	199,322	268,284
2006	27,479	156,208	183,687
2007	6,836	63,430	70,266
2008	0	64,352	64,352
2009	1,802	119,684	121,486
2010	9,200	109,693	118,893
2011	301,274	269,092	570,366
2012	165,534	165,105	330,639
2013	185,941	187,744	373,685
2014	201,826	164,723	366,549
2015	394,909	156,370	551,279
2016	62,105	86,756	148,861
2017	3,138	73,378	76,516
2018	0	50,522	50,522
2019	0	51,657	51,657
2020	0	17,239	17,239
2021	0	64,761	64,761

*1960 to 2000 Catches From B.C. Catch Statistics.

**2001 to 2021 Final Hails.

***Net Catch Only.

SALMON PROSPECTS FOR THE 2022 SEASON – AREA 7

- Pink:** Continued uncertainty around marine survival makes the forecasting of returns difficult. Catch is mainly incidental to the chum fishery . The average pink catch for the last five even years is 24,727, but no fisheries took place in 2018 and 2020. Escapement of 217,248 in the 2020 brood year was below the area total target of 440,270 , suggesting a poor return in 2022.
- Chum:** Wild chum escapements in the 2018 brood year were below average for most systems. Return rates have been highly variable, particularly over the last five seasons. The average forecast assumes good marine survival rates. The low forecast represents survival rates at the lower end of recent returns. It should be noted that returns have been below target in most of Area 7 since 2016, suggesting a continued trend towards poor ocean survival. Given the trend of poor returns in the last five years, surpluses are not expected for 2022.



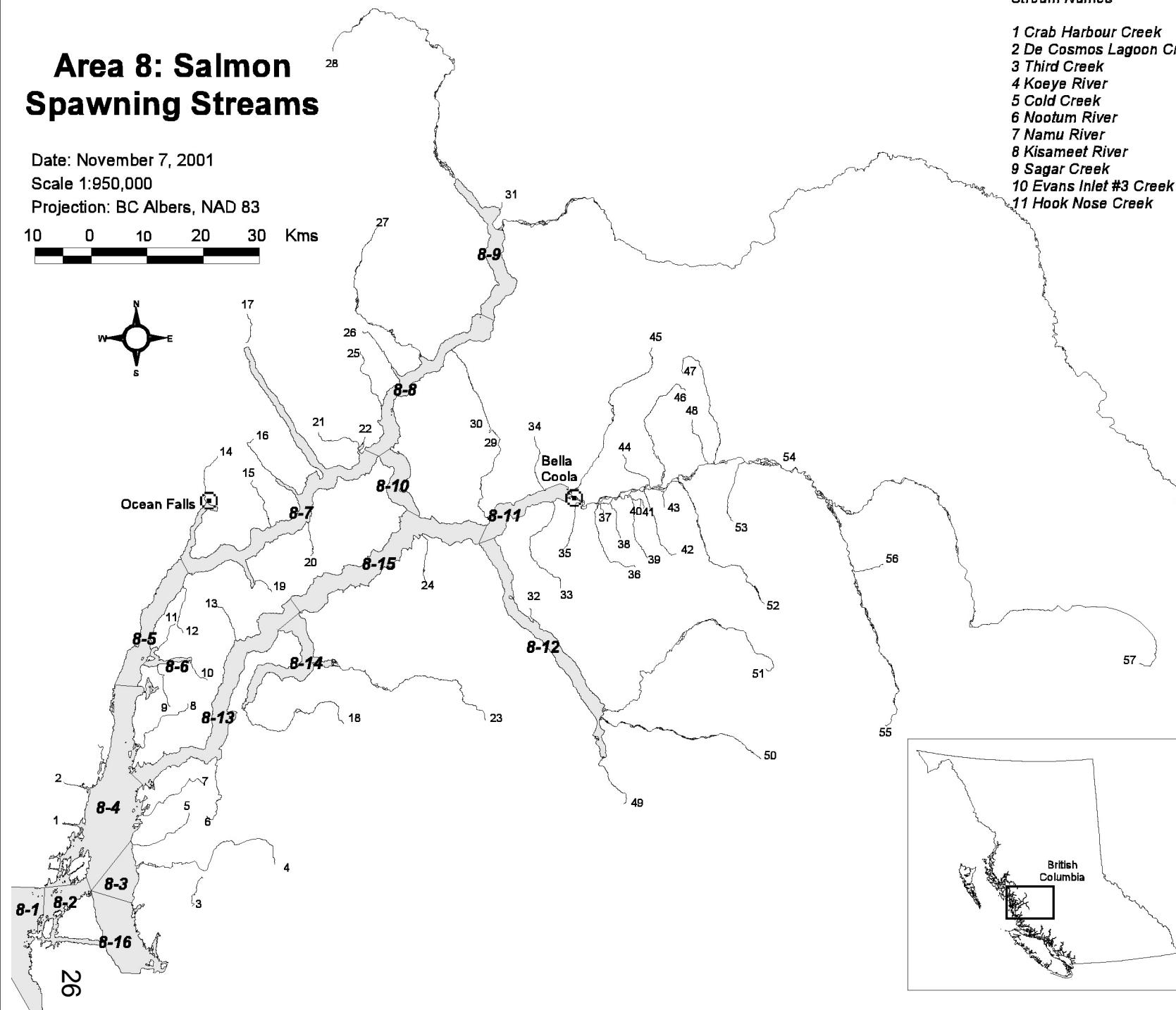
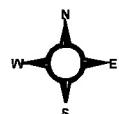
Area 8: Salmon Spawning Streams

Date: November 7, 2001

Scale 1:950,000

Projection: BC Albers, NAD 83

10 0 10 20 30 Kms



2021 POST SEASON SUMMARY AND ASSESSMENT
AREA 8 - BELLA COOLA SUB-DISTRICT

1. Preseason Expectations - Net Fishery:

	Atnarko						
	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
Expected Surplus	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Target Escapement	N/A	N/A	1,475,400	267,450	N/A	N/A	N/A
Surplus	0	N/A	N/A	N/A	N/A	N/A	N/A

2. Postseason Catch

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
<u>Commercial Field Catches</u>							
Seine							
Seine	0	0	0	0	0	0	0
Gillnet	0	0	0	425	1,684	0	0
Total Net	0	0	0	425	1,684	0	0
Troll	See NC-PSR document for information						
<u>Sport Catches</u> Information is incomplete at this time							
Tidal	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*
Non-Tidal	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*
Total	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*
<u>FSC Catches</u>							
Tidal	1,780	190	106	191	104	0	0
Non-Tidal	51	9	3	159	1,489	0	3
Total	1,831	199	109	350	1,593	0	3

3. Escapement

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
2021**	4,306	A/P	60,814	138,983	15,501	N/A	N/A
Target	N/A	N/A	1,475,400	267,450	N/A	N/A	N/A

4. Commercial Fishery Stats:

	<u>Date of First Fishery</u>	<u>Date of Last Fishery</u>	<u>Date of CFB</u>	<u>Total Days Fishing</u>	<u>Total Accum Effort</u>
Seine	N/A	N/A	N/A	N/A	N/A
Gillnet	17-Jun	5-Jul	7-Oct	4	162
Troll	See NC-PSR document for information				

*Combined Area 7,8,9 Sport Lodge and Charter Operator Weekly catch.

Commercial field net catches from in-season catch database.

**Cumulative escapement is the sum of those systems which have current year estimates only.

N/A - Not applicable

A/P - Inspected, species present but no escapement estimate available

5. Commercial Net Fishery Summary:

On June 29, 2021, Fisheries & Oceans Canada announced the Pacific Salmon Strategy Initiative (PSSI) commercial salmon harvest transformation actions. These conservation-based management actions resulted in the closure of the commercial Chum fishery for gill nets and seines throughout all of Area 8.

The BCGNA gill net Chinook fishery was approved through PSSI, however the start of the season was delayed one week due to concerns raised over the COVID-19 Pandemic and the potential introduction of COVID-19 into Central Coast communities.

The first of four total Chinook directed commercial openings in the Bella Coola Gill Net Area was June 14, with additional openings June 21, June 28, and July 5.

The average gill net fleet size was 40 vessels, with a total of 162 boat days. The total gill net catch in Area 8 was 1,684 Chinook and 425 Chum. The estimated release of non-target species was 1 Sockeye.

Additionally, there was a small scale economic opportunity fishery for Chinook salmon in the Bella Coola Gill Net Area, conducted by the Nuxalk First Nation. This fishery was held on July 8 for the Nuxalk First Nation Commercial Salmon Allocation Framework (CSAF) Fishery. The total effort was 14 vessels. The total catch was 211 Chinook and 178 Chum.

Due to PSSI closures, there were no Chum directed commercial opportunities in Area 8. In-season assessment of run strength was conducted throughout the season, throughout the Chinook directed fishery the by-catch of Chum was low suggesting a late or possibly low return of Chum. As in-season assessment continued the numbers of Chum in the indicator streams that are used for management of the fishery remained low.

See Appendix I for a complete summary of Area 8 weekly net catches.

6. Commercial Troll Fishery Summary:

For information on CSAF Troll demonstration fishery see North Coast Post Season Review.

7. Sport Fishery Summary:

Non-tidal

In 2021 the following river fisheries took place:

River	Season	Target Species
Atnarko	May - Jul	Chinook
Atnarko	Sep - Oct	Coho
Atnarko	Aug - Sep	Pink
Bella Coola	May - Jul	Chinook
Bella Coola	Aug - Sep	Pink
River	Season	Target Species
Bella Coola	Jul - Sep	Chum
Bella Coola	Sep - Nov	Coho
Dean	Jun - Jul	Chinook
Dean	Sep - Oct	Coho
Kimsquit	May - Jun	Chinook
Kimsquit	Aug - Oct	Coho
Kwatna	Aug - Oct	Coho
Martin	Sep - Oct	Coho

Salmon sport fishing on the Bella Coola and Atnarko Rivers was average for Chinook. Coho fishing was above average, there was limited Chum and Pink fishing effort.

Sport fishery limits were: 2 Pink, 1 Chum, 1 large Chinook and 3 jacks, and 2 large Coho and 2 jacks per day on the Bella Coola and Atnarko Rivers.

Tidal

COVID 19 precautions had many lodge/charter operators closed this season. There were a total of five lodges/charters that operated within Areas 7 , 8 , and 9 during the 2021 season. Those that did operate were at reduced capacity and with varying degrees of a shortened season. Catch and effort totals are not complete as not all lodge data has been submitted.

See Appendix II for a detailed summary of the Sport Lodge and Charter Operator Weekly catch.

8. First Nation Food, Social and Ceremonial (FSC) Fishery Summary:

Communal fishing licences were issued to all the First Nations fishing within Area 8.

The various FSC fisheries occur in Area 8 are summarised below:

First Nation	Location	Season	Method	Target Species
Nuxalk	Bella Coola R.	Spring	Drift/Set	Chinook/Sockeye
Nuxalk	Bella Coola R.	Summer	Drift	Chum
Nuxalk	Bella Coola R.	Fall	Drift	Coho
Nuxalk	N. Bent/Burke	Summer	Comm Gn	Chin/Sock/Coho
Ulkatcho	Atnarko River	Spring	Set net	Chinook
Ulkatcho	Takia River	Summer	Gaff	Chinook
Heiltsuk	Fitz Hugh Snd.	Summer	Comm Gn	Sock/Chum/Chin
Heiltsuk	Fisher Channel	Summer	Comm Gn	Sockeye/Coho

Bella Coola River:

The in-river FSC fishery reported catches of 51 Sockeye, 9 Coho, 3 Pink, 159 Chum, 1,489 Chinook and 3 steelhead.

See Appendix III for a summary of the preliminary catches for the Heiltsuk & Nuxalk fisheries.

9. Escapement Summary:

Sockeye

The Atnarko River sockeye escapement index area estimate is 7,763 using an Area-Under the Curve with estimated residency time of 25 days. The index site includes all river and lake sections above Stillwater. The total Atnarko River Sockeye eggs incubating at Snootli Creek hatchery is 191,091.

Coho

Area 8 assessments are ongoing as of the date of this report.

Pink

Pink escapements fell short of target in Area 8. The Bella Coola/Atnarko River fell short of the 1 million escapement target with a preliminary estimate of 4,826 fish. Estimates for Kwatna and Koeye Rivers also fell well short of their 100,000 escapement targets, preliminary escapement estimates are 20,900 and 36,318 fish, respectively.

Chum

Chum returns in Area 8 were below target. The Kimsquit River had a preliminary escapement estimate of 52,699, which is just short of the 60,000 target. The Bella Coola River summer Chum preliminary estimate is 66,752.

Escapements to other Area 8 systems were low. The escapement estimates for the Jenny Creeks and Cascade/Elcho systems are very low.

Snootli Hatchery met its chum targets and currently have 7.4M eyed eggs on hand.

Chinook

The Atnarko Chinook mark-recapture program was conducted again as per the protocol established in 2009. The preliminary escapement estimate is 14,751.

Snootli Creek Hatchery met its egg target of 2.1 million Atnarko River Chinook with 2,201,317 eggs incubating at Snootli Hatchery. The hatchery also took 39,254 eggs from Saloompt River and 48,702 from Nusatsum River.

See Appendix IV for a summary of 2021 escapements by stream.

10. Current Year/Target Escapement Comparison - Key Streams: (All estimates preliminary)

Sockeye Salmon:

Key Stream	Target Escapement	Current Year Escapement
Bella Coola/Atnarko	75,000	4,264
Kimsquit	30,000	A/P

Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement
Bella Coola/Atnarko	1,000,000	4,826
Kwatna	100,000	20,090
Koeye	100,000	36,318

Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement
Bella Coola	60,000 (summer) 20,000 (fall)	66,752 (summer) N/I (fall)
Kimsquit	60,000	52,699
Elcho	20,000	2,400
Cascade	12,000	830

Jenny Bay	6,000	850
Martin	15,000	A/P

Chinook Salmon:

Key Stream	Target Escapement	Current Year Escapement
Bella Coola/Atnarko	25,000	14,751
Dean	12,000	750

N/I- Not Inspected

N/O- Inspected but none observed

A/P- Inspected and species present, but no estimate of escapement available

11. Appendices:

- Appendix I - Area 8 Weekly Net Catch Summary for 2021
- Appendix II - Area 7, 8, 9 Weekly Sport Lodge and Charter Operator Catch for 2021
- Appendix III - Area 8 First Nation Food, Social and Ceremonial (FSC) Fishery Preliminary Catch for 2021
- Appendix IV - Area 8 Preliminary Escapements for 2021

Appendix I – Area 8 Weekly Net Catch Summary for 2021



Commercial SALMON GILL NET In-Season Estimated Catch-by-Area (Pieces) for Period 01-Apr-2021 to 22-Sep-2021

Management Area 8

Bella Coola Gillnet Area

Stat Week	Week of Year	Date	Effort	Sockeye Salmon		Coho Salmon		Pink Salmon		Chum Salmon		Chinook Salmon		Last Updated
				Kept	Rel	Kept	Rel	Kept	Rel	Kept	Rel	Kept	Rel Status	
06/3	25	14-Jun	33	0	0	0	0	0	0	5	0	171	2	Final 22-Sep-2021
		Total for Week	33	0	0	0	0	0	0	5	0	171	2	
06/4	26	21-Jun	47	0	0	0	0	0	0	43	0	333	0	Final 22-Sep-2021
		Total for Week	47	0	0	0	0	0	0	43	0	333	0	
07/1	27	28-Jun	39	0	0	0	0	0	0	35	0	492	0	Final 22-Sep-2021
		Total for Week	39	0	0	0	0	0	0	35	0	492	0	
07/2	28	05-Jul	43	0	1	0	0	0	0	342	1	688	0	Final 22-Sep-2021
		Total for Week	43	0	1	0	0	0	0	342	1	688	0	
Total for Bella Coola Gillnet Area in Period				162	0	1	0	0	0	425	1	1684	2	
Total for Management Area 8 in Period				162	0	1	0	0	0	425	1	1684	2	

Notes:

1. Consult the applicable Fishery Manager or Biologist as to the status of particular catch estimates.

Appendix II - 2021 Areas 7 to 9 Sport Lodge/Charter Operator Weekly Catch

Wk #	Wk Ending	Angler Days	RETAINED								RELEASED	
			Coho		Chinook		Pk	Cm	Lng	Hal	Rk	Coho
			Marked	UnMarked	Marked	UnMarked						
22	29-May	20		0		4		18	9	22		
23	5-Jun	25		0		6		18	8	30		
24	12-Jun	30		6		19		24	10	36		
25	19-Jun	207		6	20	143		42	39	56		
26	26-Jun	301		10	27	189		65	30	142		
27	3-Jul	359		40	17	243		55	20	128		
28	10-Jul	308	1	41	28	217	4	58	33	109		
29	17-Jul	353		111	20	207	8	31	22	114		
30	24-Jul	383	36	187	24	225	37	4	69	49	90	
31	31-Jul	537	10	624	12	203	8	5	142	97	196	
32	7-Aug	531	64	687	9	186	7	88	102	152		
33	14-Aug	614		788	16	280	6	2	169	115	216	
34	21-Aug	539		687	13	137	1	3	54	51	112	
35	28-Aug	444		677	5	57	9	2	58	60	156	
36	4-Sep	491		607	4	18		96	84	174		
37	11-Sep	32		7		0		2	16	0		
Season Total			5,174	111	4,478	195	2,134	80	16	989	745	1,733
Ad - adult (L) - legal (Sub) - sublegal												

Lodges/Charter operating this season include:
 Duncanby Lodge, Hakai Land and Sea, Legacy Lodge & Always An Adventure

Appendix III

2021 Bella Coola River Fishery (Nuxalk Nation) - Preliminary FSC Weekly Catches

	Week	Number of						
Week	Ending	Sets	Sockeye	Coho	Pink	Chum	Chinook	Sthd.
21	22-May	6	0	0	0	0	6	2
22	29-May	14	0	0	0	0	12	0
23	5-Jun	21	0	0	0	0	22	0
24	12-Jun	38	0	0	0	0	85	0
25	19-Jun	28	0	0	0	0	78	0
26	26-Jun	44	0	0	0	5	146	0
27	3-Jul	2	0	0	0	0	38	0
28	10-Jul	35	6	0	0	24	427	0
29	17-Jul	34	6	1	3	88	312	1
30	24-Jul	28	28	1	0	37	201	0
31	31-Jul	18	11	5	0	2	124	0
32	7-Aug	9	0	2	0	3	38	0
33	14-Aug							
	TOTAL	277	51	9	3	159	1,489	3

**Appendix III - 2021 Heiltsuk - Preliminary FSC Salmon Harvest in Area 8
(Sub-Areas 8-2, 8-3, 8-4, 8-5, 8-6)**

	Effort						Sthd.
Month	# of fishers	Sockeye	Coho	Pink	Chum	Chinook	Kept
May-Sept		1,780	190	106	191	104	0
TOTAL		1,780	190	106	191	104	0

Appendix IV
Area 8 2021 Preliminary Escapements

BURKE CHANNEL	Sockeye	Coho	Pink	Chum	Chinook
KWATNA RIVER	N/I	A/P	10,700	13,434	N/I
NOOTUM RIVER	N/I	N/I	N/I	N/I	N/I
QUATLENA RIVER	N/I	N/I	N/I	N/I	N/I
Total	N/I	A/P	10,700	13,434	N/I

DEAN CHANNEL	Sockeye	Coho	Pink	Chum	Chinook
CASCADE RIVER	N/O	A/P	300	830	N/I
ELCHO CREEK	40	600	3,200	2,400	N/O
EUCOTT BAY CREEKS	N/I	A/P	130	310	N/I
FRENCHMAN CREEK	N/I	N/I	N/I	N/I	N/I
GREEN RIVER	N/I	N/I	N/I	N/I	N/I
JENNY BAY CREEKS (3)	2	A/P	900	850	N/I
MARTIN RIVER	N/O	1300	700	A/P	N/I
STEELHEAD CREEK	N/I	N/I	N/I	N/I	N/I
Total	42	1,900	5,230	4,390	N/I

FISHER - FITZ HUGH	Sockeye	Coho	Pink	Chum	Chinook
EVANS INLET CREEKS	N/O	A/P	140	70	N/O
FOUR LAKES CREEK	N/O	N/O	50	500	N/O
HOOK NOSE CREEK	N/I	N/I	N/I	N/I	N/I
KISAMEET RIVER	N/I	N/I	N/I	N/I	N/I
KOEYE RIVER	N/I	N/I	36,318	1137	N/I
NAMU RIVER	N/I	N/I	N/I	N/I	N/I
SAGAR CREEK	N/O	N/O	1650	N/I	N/O
Total	N/I	A/P	38,158	1,707	N/I

NORTH BENTINCK	Sockeye	Coho	Pink	Chum	Chinook
ATNARKO SPAWNING CHANNEL	N/I	N/I	N/I	N/I	N/I
BELLA COOLA RIVER	7,763	N/I	4,826	66,752	14,751
NECLEETSCONNAY RIVER	N/O	A/P	A/P	A/P	N/O
NOOSESECK RIVER	N/I	N/I	N/I	N/I	N/I
Total	7,763	N/I	4,826	66,753	14,751

SOUTH BENTINCK	Sockeye	Coho	Pink	Chum	Chinook
ASEEK RIVER	N/I	N/I	N/I	N/I	N/I
NOEICK RIVER	N/I	N/I	N/I	N/I	N/I
TALEOMY RIVER	N/I	N/I	N/I	N/I	N/I
Total	N/I	N/I	N/I	N/I	N/I

UPPER DEAN CHANNEL	Sockeye	Coho	Pink	Chum	Chinook
DEAN RIVER	A/P	N/I	A/P	A/P	750
DEEP BAY CREEK	N/I	N/I	N/I	N/I	N/I
KIMSQUIT BAY	N/P	N/I	N/P	A/P	N/P
KIMSQUIT RIVER	N/O	N/I	A/P	52,699	N/I
SKOWQUILTZ RIVER	N/I	N/I	N/I	N/I	N/I
Total	N/O	N/I	A/P	52,699	750

Total Area 8	7,805	1,900	60,814	138,983	15,501
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N/I - Not inspected

N/O - Inspected but none observed

N/P - No population present

A/P - Inspected and species present, but no estimate of escapement available

AREA 8 PINK EVEN YEARS

YEAR	CATCH	ESC	TOTAL
			STOCK
1960	1,480,795	1,571,265	3,052,060
1962	12,144,042	3,910,088	16,054,130
1964	2,830,894	763,125	3,594,019
1966	2,120,002	939,850	3,059,852
1968	5,333,886	2,095,000	7,428,886
1970	2,012,361	731,100	2,743,461
1972	1,084,772	1,356,100	2,440,872
1974	2,765,920	1,469,400	4,235,320
1976	1,918,846	1,382,200	3,301,046
1978	1,685,105	2,293,475	3,978,580
1980	860,375	1,127,725	1,988,100
1982	39,178	195,590	234,768
1984	171,065	967,210	1,138,275
1986	3,420,738	3,271,535	6,692,273
1988	8,707,244	5,204,570	13,911,814
1990	3,635,064	2,759,835	6,394,899
1992	2,708,363	4,614,400	7,322,763
1994	561,940	367,790	929,730
1996	396,416	1,844,345	2,240,761
1998	520,841	626,245	1,147,086
2000	67,317	1,613,060	1,680,377
2002	1,229,750	2,002,805	3,232,555
2004	319,385	744,600	1,063,985
2006	56,379	239,795	296,174
2008	6,017	317,875	323,892
2010	1,362	203,375	204,737
2012	18,441	68,470	86,911
2014	41,497	80,170	121,667
2016	110,099	510,000	620,099
2018	49,114	66,503	115,617
2020	21,486	660,657	682,143

AREA 8 PINK ODD YEARS

YEAR	CATCH	ESC	TOTAL
			STOCK
1961	1,733,893	1,249,004	2,982,897
1963	2,018,970	748,425	2,767,395
1965	579,198	222,100	801,298
1967	20,017	66,310	86,327
1969	18,059	59,925	77,984
1971	35,813	257,150	292,963
1973	56,780	166,875	223,655
1975	90,486	150,100	240,586
1977	94,109	434,690	528,799
1979	682,007	1,123,325	1,805,332
1981	1,608,602	737,360	2,345,962
1983	785,966	1,420,270	2,206,236
1985	1,215,393	2,793,620	4,009,013
1987	397,181	383,056	780,237
1989	158,392	522,529	680,921
1991	114,161	2,399,345	2,513,506
1993	257,859	1,184,713	1,442,572
1995	236,520	629,099	865,619
1997	426,912	1,454,210	1,881,122
1999	128,066	937,230	1,065,296
2001	725,432	2,321,550	3,046,982
2003	714,549	1,069,300	1,783,849
2005	607,174	998,550	1,605,724
2007	218,218	749,330	967,548
2009	126,860	1,232,870	1,359,730
2011	3,234	429,500	432,734
2013	489,702	997,020	1,486,722
2015	707,604	616,590	1,324,194
2017	747,117	1,567,056	2,314,173
2019	9,207	102,914	112,121
2021	0	60,814	60,814

**1960 to 2000 Catches From B.C. Catch Statistics.

***2001 to 2021 Final Hails.

****Net Catch Only.

AREA 8 CHUM

YEAR	CATCH	ESC	TOTAL STOCK
1960	139,890	93,187	233,077
1961	171,459	92,965	264,424
1962	346,843	150,725	497,568
1963	318,880	236,650	555,530
1964	347,420	209,225	556,645
1965	48,903	13,600	62,503
1966	199,667	135,325	334,992
1967	90,056	90,500	180,556
1968	281,551	284,250	565,801
1969	97,924	84,600	182,524
1970	355,322	275,400	630,722
1971	60,495	82,875	143,370
1972	233,331	221,375	454,706
1973	251,163	277,775	528,938
1974	197,682	146,800	344,482
1975	134,519	83,575	218,094
1976	333,654	125,000	458,654
1977	79,524	122,950	202,474
1978	125,418	49,135	174,553
1979	209,301	99,485	308,786
1980	333,663	123,475	457,138
1981	302,602	107,090	409,692
1982	181,316	129,380	310,696
1983	330,157	155,045	485,202
1984	69,557	132,260	201,817
1985	525,808	220,865	746,673
1986	1,505,430	266,222	1,771,652
1987	520,155	138,170	658,325
1988	845,485	201,537	1,047,022
1989	236,943	121,789	358,732
1990	686,023	285,515	971,538
1991	234,988	84,607	319,595
1992	155,864	112,447	268,311
1993	186,617	133,188	319,805
1994	493,609	244,997	738,606
1995	708,638	204,550	918,188
1996	275,764	219,339	495,103
1997	234,803	196,375	431,178
1998	641,715	331,335	973,050
1999	179,812	188,800	368,612
2000	47,254	181,875	229,129
2001	312,774	175,200	487,974
2002	392,225	232,220	624,445
2003	670,992	380,100	1,051,092
2004	824,028	312,850	1,136,878
2005	272,992	142,300	415,292
2006	362,232	176,610	538,842
2007	250,765	146,700	397,465
2008	9,766	45,250	55,016
2009	42,375	65,660	108,035
2010	3,981	31,960	35,941
2011	33,463	203,240	236,703
2012	161,669	120,200	281,869
2013	361,679	192,020	553,699
2014	27,734	51,751	79,485
2015	479,914	145,800	625,714
2016	413,148	210,600	623,748
2017	330,124	211,437	541,561
2018	476,021	118,594	594,615
2019	94,927	192,190	287,117
2020	13,155	15,213	28,368
2021	0	138,983	138,983

1960 to 2000 Catches From B.C. Catch Statistics.
 2001 to 2021 Final Hails.
 Net Catch Only.

AREA 8 CHINOOK

YEAR	CATCH	ESC	TOTAL STOCK
1960	9,761	7,500	17,261
1961	13,116	15,000	28,116
1962	16,622	7,500	24,122
1963	17,259	20,000	37,259
1964	27,401	20,750	48,151
1965	22,904	24,250	47,154
1966	19,062	18,650	37,712
1967	22,131	29,250	51,381
1968	21,355	26,300	47,655
1969	12,299	13,900	26,199
1970	25,298	13,250	38,548
1971	11,762	33,400	45,162
1972	18,555	21,075	39,630
1973	30,910	19,950	50,860
1974	28,316	20,425	48,741
1975	30,680	8,425	39,105
1976	23,445	16,550	39,995
1977	13,430	15,600	29,030
1978	15,584	19,000	34,584
1979	26,248	9,100	35,348
1980	20,079	9,729	29,808
1981	12,779	8,100	20,879
1982	9,533	8,220	17,753
1983	16,260	9,230	25,490
1984	4,001	20,020	24,021
1985	10,718	32,110	42,828
1986	22,289	24,862	47,151
1987	7,156	15,956	23,112
1988	10,712	16,700	27,412
1989	4,586	24,635	29,221
1990	16,746	19,393	36,139
1991	9,524	20,410	29,934
1992	12,192	31,347	43,539
1993	8,758	36,900	45,658
1994	13,359	29,300	42,659
1995	10,463	33,110	43,573
1996	6,374	27,600	33,974
1997	3,344	19,450	22,794
1998	5,187	25,000	30,187
1999	4,077	26,800	30,877
2000	3,213	26,200	29,413
2001	4,587	27,795	32,382
2002	4,825	17,710	22,535
2003	2,647	18,715	21,362
2004	5,147	21,015	26,162
2005	6,179	20,700	26,879
2006	5,229	28,700	33,929
2007	5,416	13,300	18,716
2008	1,133	10,100	11,233
2009	4,096	12,000	16,096
2010	1,549	12,865	14,414
2011	5,176	9,850	15,026
2012	3,807	5,800	9,607
2013	5,299	24,777	30,076
2014	2,234	20,800	23,034
2015	5,328	47,935	53,263
2016	3,185	21,254	24,439
2017	3,148	12,267	15,415
2018	5,162	15,000	20,162
2019	4,106	20,000	24,106
2020	4,130	20,211	24,341
2021	1,651	15,501	17,152

*1960 to 2000 Catches From B.C. Catch Statistics.

**2001 to 2021 Final Hails.

***Net Catch Only.

SALMON PROSPECTS FOR THE 2022 SEASON – AREA 8

- Pink:** Even year escapements from the last 5 broods has been generally poor and highly variable, from a low of 86,9961 to a high of 682,143. Total area escapement in 2020 was 660,657 and expectations for 2022 are highly uncertain. No commercial fisheries are anticipated for 2022 due to PSSI closures.
- Chum:** No commercial fisheries are anticipated for 2022 at this time, due to the PSSI closures. Returns have fluctuated considerably over the last few years and expectations are highly uncertain. The forecast assumes favourable ocean productivity. It should be noted that returns have been below target in the non-enhanced Area 8 systems in recent years, suggesting a trend towards reduced ocean survival.
- Chinook:** Expectations for Atnarko River Chinook salmon in 2022 are uncertain, due to below average brood years from 2017-2019.

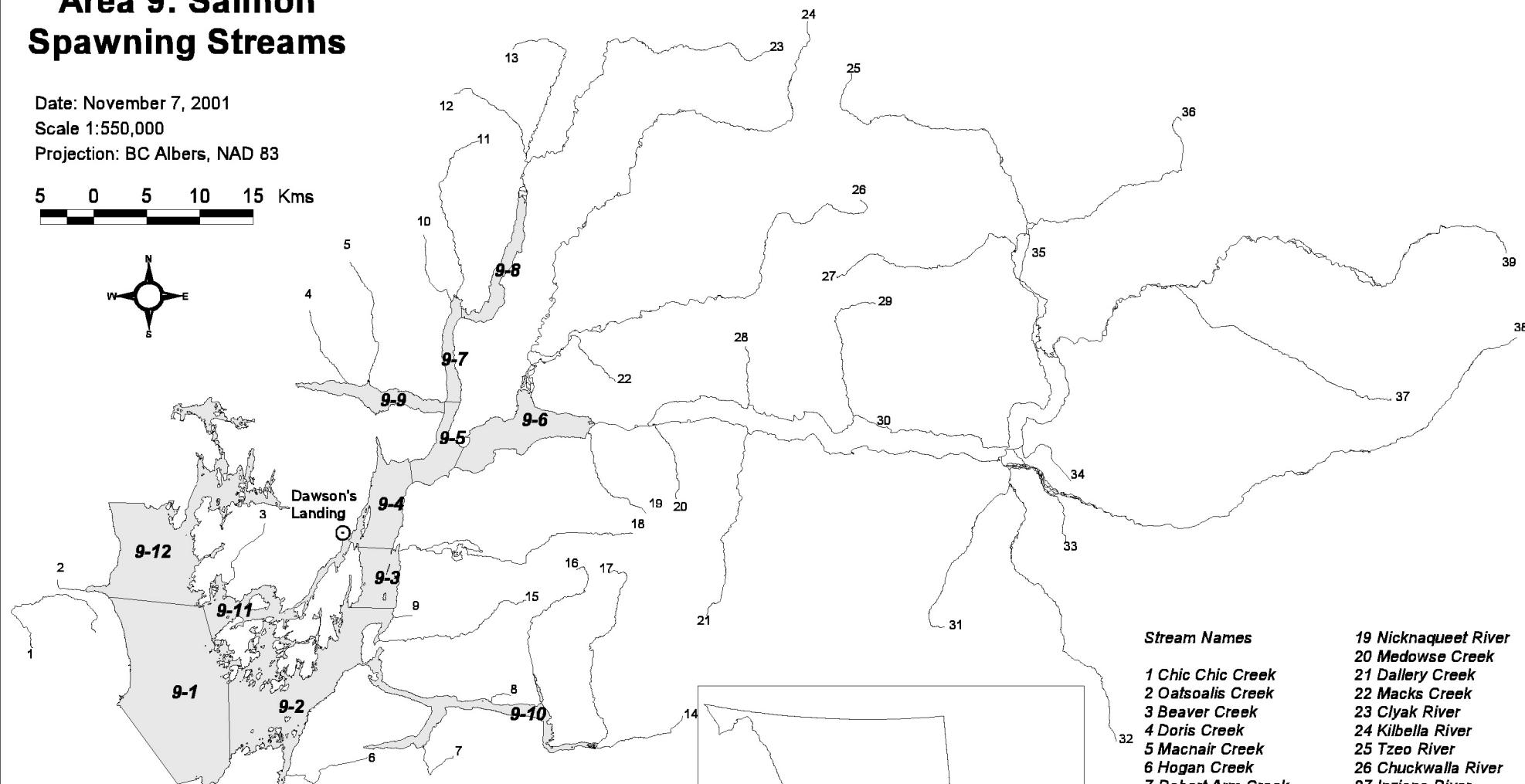
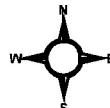
Area 9: Salmon Spawning Streams

Date: November 7, 2001

Scale 1:550,000

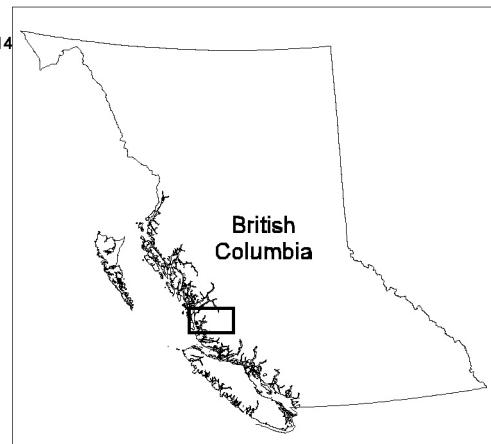
Projection: BC Albers, NAD 83

5 0 5 10 15 Kms



Stream Names

- 1 Chic Chic Creek
- 2 Oatsoalis Creek
- 3 Beaver Creek
- 4 Doris Creek
- 5 Macnair Creek
- 6 Hogan Creek
- 7 Robert Arm Creek
- 8 Perry Creek
- 9 Newichy Creek
- 10 Inrig Creek
- 11 Milton River
- 12 Niel Creek
- 13 Young River
- 14 Draney Creek
- 15 Johnston Creek
- 16 Allard Creek
- 17 Lockhart Gordon Creek
- 18 Sandell River
- 19 Nicknaqueet River
- 20 Medowse Creek
- 21 Dallery Creek
- 22 Macks Creek
- 23 Clyak River
- 24 Kilbella River
- 25 Tzeo River
- 26 Chuckwalla River
- 27 Inziana River
- 28 Amback Creek
- 29 Ashlum Creek
- 30 Owikeno Lake
- 31 Marble Creek
- 32 Neechanz River
- 33 Clear Creek
- 34 Genesee Creek
- 35 Wannock River
- 36 Washwash River
- 37 Lemelo Creek
- 38 Machmell River
- 39 Sheemahant River



2021 POST SEASON SUMMARY AND ASSESSMENT
AREA 9 - RIVERS INLET SUB-DISTRICT

1. Preseason Expectations - Net Fishery:

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
Expected Return	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Target Escapement	200,000	N/A	342,450	150,700	22,700	N/A	N/A
Surplus	0	N/A	N/A	N/A	N/A	N/A	N/A

2. Postseason Catch

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
<u>Commercial Field Catches</u>							
Seine	0	0	0	0	0	0	0
Gillnet	0	0	0	0	0	0	0
Total Net	0	0	0	0	0	0	0
Troll	0	0	0	0	0	0	0
<u>Sport Catches</u>							
Tidal	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*
Non-Tidal	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*
Total	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*
<u>FSC Catches</u>							
Tidal	Information is not available at this time						
Non-Tidal	1,309	17	9	1	0	0	0
Total	1,309	17	9	1	0	0	0

3. Escapement

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
2021**	131,208	A/P	586	3,081	104	N/A	N/A
Target	200k	N/A	342,450	150,700	22,700	N/A	N/A

4. Commercial Fishery Stats:

Seine	Not Applicable.
Gillnet	Not open this year.
Troll	Not open this year.

*Combined Area 7,8,9 Sport Lodge and Charter Operator Weekly catch.

**Cumulative escapement is the sum of those systems which have' current year estimates only.

N/A - not available

A/P - Inspected and species present, but no estimate of escapement available.

5. Commercial Net Fishery Summary:

There was no commercial fishing in Rivers Inlet in 2021.

The total sockeye return to Owikeno Lake this year is estimated at 131,208.

6. Commercial Troll Fishery Summary:

Area 9 and 109 did not open this year.

7. Sport Fishery Summary:

COVID 19 precautions had many lodge/charter operators closed this season. There were a total of five lodges/charters that operated within Areas 7 , 8 , and 9 during the 2021 season. Those that did operate were at reduced capacity and with varying degrees of a shortened season. Catch and effort totals are not complete as not all lodge data has been submitted.

See Appendix II for a detailed summary of the Sport Lodge Weekly catch.

8. First Nation Food, Social and Ceremonial Fishery Summary:

In 2021, the Wuikinuxv Fisheries Program continued their FSC catch and bio-sampling program. Through consistent netting effort and data collection, it is anticipated that the program will be able to produce a better understanding of run timing and strength of the Oweekeno sockeye stocks.

9. Escapement Summary:

Sockeye

Creek walks and aerial assessment of the Owikeno Lake tributaries were conducted by DFO personnel in collaboration with Wuikinuxv Fisheries staff, from late August to mid-October. The preliminary escapement index estimate is 131,2208 Sockeye. The index is estimated by multiplying the sum of escapement estimates from Area-Under-the-Curve of Ashlulm, Dallery, Genesee, Inziana and Washwash by 3.

The estimate should be reviewed cautiously as the index assumes the proportion of returns to clear and turbid streams remain consistent over time. It also relies on consistent observer efficiency and accurate estimated stream residency time.

A DIDSON and ARIS program was implemented again in 2021 by the Wuikinuxv Nation on the Wannock River to estimate escapement of salmon returning to Owikeno Lake. A process is currently underway to re-establish biological benchmarks for Oweekeno Lake sockeye by reviewing both escapement methodologies.

Coho

Survey information not available at the time this report was issued.

Chinook

In 2021, DFO conducted three overflights of the Chuckwalla and Killbella Systems; the preliminary estimates are 43 and 71 Chinook, respectively. A broodstock capture program was undertaken for both systems in 2021. The program entailed net fishing late August to the beginning of September. A total of 88,480 eggs from the Kilbella and Chuckwalla Rivers are on hand at Percy Walkus Hatchery in Wuikinuxv.

This year 331,397 Wannock summer chinook eggs were collected during the October brood stock program and are being incubated at Percy Walkus Hatchery in Wuikinuxv.

See Appendix IV for the 2021 escapements by stream.

10. Current Year/Target Escapement Comparison - Key Streams:
(All estimates preliminary)

Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement
Clyak/Neil/Young	50,000	160
Chuckwalla River	100,000	A/P
Johnston Creek	90,000	N/I
Kilbella River	50,000	A/P

Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement
Clyak/Neil/Young	40,000	2,150
Draney/Lockhart/Gordon	20,000	895
MacNair Creek	4,500	A/P
Wannock River	40,000	A/P

N/I- Not Inspected

N/O- Inspected but none observed

A/P- Inspected and species present, but no estimate of escapement available

11. Appendices:

- Appendix I - Area 9 Weekly Net Catch Summary for 2021 - N/A
- Appendix II - Area 7, 8, 9 Weekly Sport Lodge and Charter Operator Catch for 2021
- Appendix III - Area 9 First Nation Food, Social and Ceremonial (FSC) Fishery Catch Estimate for 2021
- Appendix IV - Area 9 Escapement Summary 2021

Appendix II - 2021 Areas 7 to 9 Sport Lodge/Charter Operator Weekly Catch

Wk #	Wk Ending	Angler Days	RETAINED								RELEASED	
			Coho		Chinook		Pk	Cm	Lng	Hal	Rk	Coho
			Marked	UnMarked	Marked	UnMarked						
22	29-May	20		0		4		18	9	22		
23	5-Jun	25		0		6		18	8	30		
24	12-Jun	30		6		19		24	10	36		
25	19-Jun	207		6	20	143		42	39	56		
26	26-Jun	301		10	27	189		65	30	142		
27	3-Jul	359		40	17	243		55	20	128		
28	10-Jul	308	1	41	28	217	4	58	33	109		
29	17-Jul	353		111	20	207	8	31	22	114		
30	24-Jul	383	36	187	24	225	37	4	69	49	90	
31	31-Jul	537	10	624	12	203	8	5	142	97	196	
32	7-Aug	531	64	687	9	186	7	88	102	152		
33	14-Aug	614		788	16	280	6	2	169	115	216	
34	21-Aug	539		687	13	137	1	3	54	51	112	
35	28-Aug	444		677	5	57	9	2	58	60	156	
36	4-Sep	491		607	4	18		96	84	174		
37	11-Sep	32		7		0		2	16	0		
Season Total			5,174	111	4,478	195	2,134	80	16	989	745	1,733
Ad - adult (L) - legal (Sub) - sublegal												

Lodges/Charter operating this season include:
 Duncanby Lodge, Hakai Land and Sea, Legacy Lodge & Always An Adventure

2021 Wuikinuxv (Oweekeno) - Preliminary Estimate of FSC Salmon Catch in Area 9

Test Fishery:

	Week	Effort						Sthd.
Week	Ending	Drifts/Sets	Sockeye	Coho	Pink	Chum	Chinook	Kept
27	3-Jul							
28	10-Jul	6	49					0
29	17-Jul	23	85					0
30	24-Jul	18	181		1			0
31	31-Jul	21	105		2			0
32	7-Aug	22	95	1	4	1		0
33	14-Aug	17	55	4	2			0
34	21-Aug	20	25	7				0
35	28-Aug	21		5				0
36	4-Sep	19						0
37	11-Sep	17						0
38	18-Sep	18						0
39	25-Sep	14						0
40	2-Oct	12						0
41	9-Oct	5						0
TOTAL		233	595	17	9	1	0	0

Community Catch In-River

	Week	Effort						Sthd.
Week	Ending	Drifts/Sets	Sockeye	Coho	Pink	Chum	Chinook	Kept
28	10-Jul							
29	17-Jul		357					
30	24-Jul		357					
TOTAL			714	0	0	0	0	0

Appendix IV
Area 9 Preliminary Escapements 2021

STREAM NAME	Sockeye	Coho	Pink	Chum	Chinook
ALLARD CREEK	N/I	N/I	N/I	N/I	N/I
AMBACK CREEK	A/P	N/I	A/P	N/O	N/O
ASHLUM CREEK	11,106	N/O	A/P	A/P	N/O
BEAVER CREEK	N/O	N/I	N/I	N/I	N/O
CHUCKWALLA RIVER	N/I	N/I	N/I	A/P	43
CLYAK, NEIL, & YOUNG RIVER	N/O	A/P	160	2,150	N/O
DALLERY CREEK	8,167	N/O	A/P	A/P	A/P
DRANEY CREEK	N/O	A/P	A/P	430	N/O
GENESEE CREEK	2,577	N/O	A/P	N/O	N/O
INZIANA RIVER	4,237	N/O	N/O	A/P	N/O
JOHNSTON CREEK	N/I	N/I	N/I	N/I	N/I
KILBELLA RIVER	N/I	N/I	N/I	A/P	71
LOCKHART GORDON CREEK	A/P	A/P	6	465	N/O
MACNAIR CREEK	N/O	A/P	A/P	A/P	N/O
MILTON RIVER	N/O	N/O	170	26	N/O
NEECHANZ RIVER	A/P	N/O	A/P	A/P	N/O
NICKNAQUEET RIVER	N/O	N/I	250	10	N/O
TZEO RIVER	A/P	N/O	N/O	N/O	N/O
WANNOCK RIVER AND FLATS	A/P	A/P	A/P	A/P	A/P
WASHWASH RIVER	17,649	N/O	A/P	A/P	A/P
Total Area 9**	131,208	A/P	586	3,081	104

N/I - Not inspected

N/O - Inspected but none observed

N/P - No population present

A/P - Inspected and species present, but no estimate of escapement available

**Estimated total based on expansion of Clear Stream Indices (Ashlum, Dallery, Inziana, Washwash & Genesee)

Historic Catch and Escapement

AREA 9 SOCKEYE

YEAR	CATCH	ESC	TOTAL STOCK
1960	516,503	68,800	585,303
1961	842,953	161,850	1,004,803
1962	1,035,917	413,500	1,449,417
1963	437,459	932,500	1,369,959
1964	1,053,591	573,900	1,627,491
1965	644,974	140,150	785,124
1966	528,212	200,000	728,212
1967	1,102,838	435,250	1,538,088
1968	2,665,792	555,000	3,220,792
1969	727,330	226,000	953,330
1970	19,019	102,250	121,269
1971	402,538	215,900	618,438
1972	379,006	221,500	600,506
1973	1,761,376	985,000	2,746,376
1974	118,704	557,025	675,729
1975	40,631	480,002	520,633
1976	613,666	300,000	913,666
1977	660,469	191,600	852,069
1978	568,682	383,000	951,682
1979	28,349	297,525	325,874
1980	522	313,000	313,522
1981	98,706	753,075	851,781
1982	39,178	823,000	862,178
1983	35,160	636,502	671,662
1984	53,879	214,301	268,180
1985	184,543	500,430	684,973
1986	337,443	825,626	1,163,069
1987	398,854	521,700	920,554
1988	372,018	503,000	875,018
1989	63,746	375,175	438,921
1990	234,281	586,510	820,791
1991	168,226	346,500	514,726
1992	508,068	343,005	851,073
1993	83,146	311,000	394,146
1994	40,320	91,500	131,820
1995	45,524	73,000	118,524
1996	0	65,000	65,000
1997	0	276,100	276,100
1998	0	52,020	52,020
1999	0	3,600	3,600
2000	0	21,100	21,100
2001	0	24,500	24,500
2002	0	100,000	100,000
2003	0	139,000	139,000
2004	0	115,000	115,000
2005	0	150,000	150,000
2006	0	108,000	108,000
2007	0	100,000	100,000
2008	0	83,000	83,000
2009	0	78,500	78,500
2010	0	100,000	100,000
2011	0	408,000	408,000
2012	0	150,000	150,000
2013	0	192,450	192,450
2014	0	118,500	118,500
2015	0	160,000	160,000
2016	0	247,200	247,200
2017	0	81,000	81,000
2018	0	160,847	160,847
2019	0	25,419	25,419
2020	0	10,911	10,911
2021	0	131,208	131,208

* Catches From B.C. Catch Statistics and field catch data.

** Catch is commercial net only, does not include FSC and sport.

SALMON PROSPECTS FOR THE 2022 SEASON – AREA 9

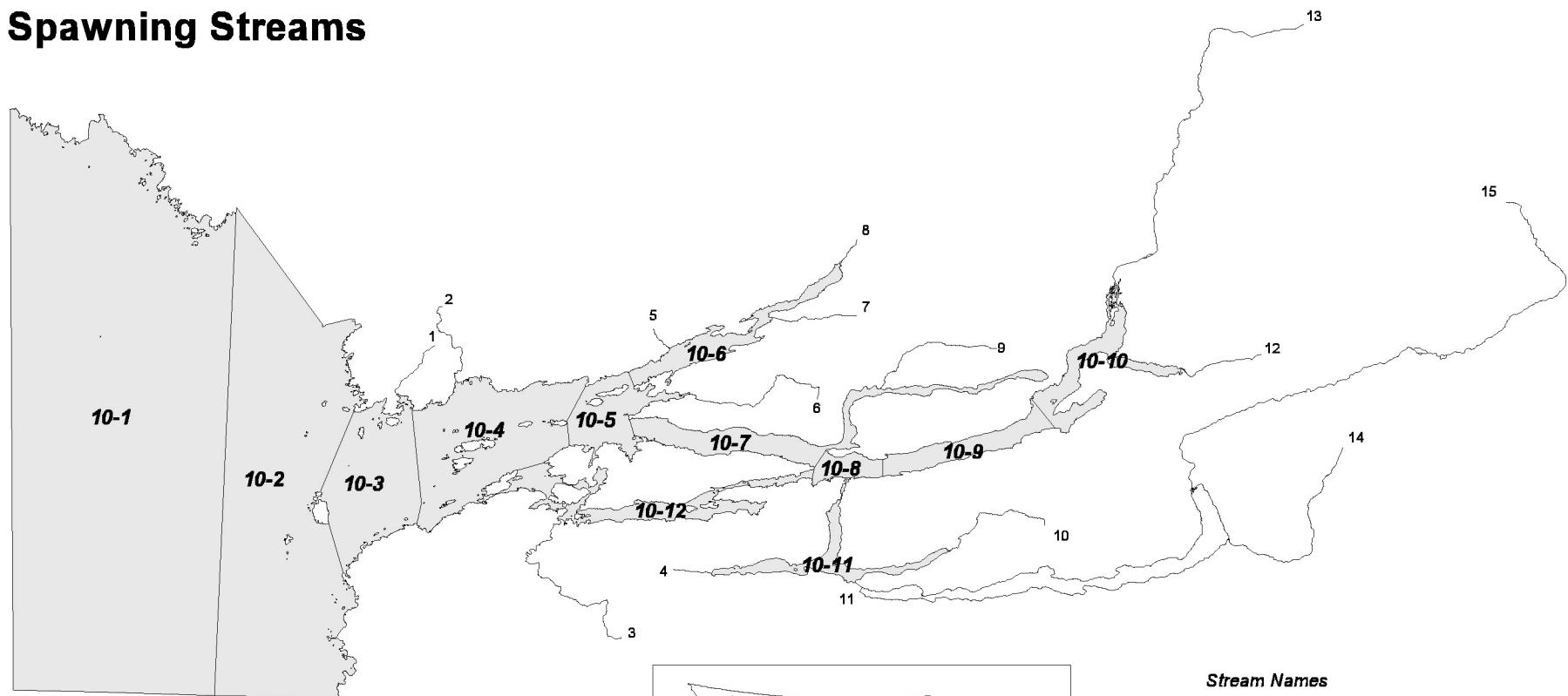
Sockeye: No commercial fisheries anticipated.

Pink: No commercial fisheries anticipated.

Chum: No commercial fisheries anticipated.



Area 10: Salmon Spawning Streams



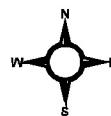
Date: November 7, 2001

Scale 1:400,000

Projection: BC Albers, NAD 83

5 0 5 10 Kms

50



Stream Names

- 1 Hagen Creek
- 2 Dsulish Creek
- 3 Takush River
- 4 Wyclees Lagoon Creek West
- 5 Boss Creek
- 6 Margaret Creek
- 7 Boswell Creek
- 8 Corduroy Creek
- 9 Naysash Creek
- 10 Wyclees Lagoon Creek East
- 11 Doceo River
- 12 Walkum Creek
- 13 Nekite River
- 14 Canoe Creek
- 15 Smokehouse Creek

2021 POST SEASON SUMMARY AND ASSESSMENT
AREA 10 - SMITH INLET SUB-DISTRICT

1. Preseason Expectations - Net Fishery:

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
Expected Return	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Target Escapement	100,000	N/A	N/A	N/A	N/A	N/A	N/A
Surplus	N/A	N/A	N/A	N/A	N/A	N/A	N/A

2. Postseason Catch

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
<u>Commercial Field Catches</u>							
Seine							
Seine	0	0	0	0	0	0	0
Gillnet	0	0	0	0	0	0	0
Total Net	0	0	0	0	0	0	0
Troll	0	0	0	0	0	0	0
<u>Sport Catches</u>							
Tidal	0	21	1	0	10	0	0
Non-Tidal	UNK	UNK	UNK	UNK	UNK	UNK	UNK
Total	0	21	1	0	10	0	0
<u>FSC Catches</u>							
Tidal	Information is not available at this time						
Non-Tidal	Information is not available at this time						
Total							

3. Escapement

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
2021*	N/I	A/P	A/P	A/P	A/P	N/A	N/A
Target	100,000	N/A	N/A	N/A	N/A	N/A	N/A

4. Commercial Fishery Stats:

	<u>Date of First Fishery</u>	<u>Date of Last Fishery</u>	<u>Date of CFB</u>	<u>Total Days Fishing</u>	<u>Total Accum Effort</u>
Seine	Not open this year.			0	0
Gillnet	Not open this year.			0	0
Troll	Not open this year.			0	0

*Cumulative escapement is the sum of those systems which have current year estimates only.

N/A - not available

A/P - Inspected and species present, but no estimate of escapement

5. Commercial Net Fishery Summary:

There was no forecast made for the sockeye return to Long Lake for 2021.

The Doceo Counting Fence did not operate in 2021. Due to the ongoing nature of the relationship between the Gwa'sala-'Nakwaxda'xw Nation and Government of Canada, the Doceo Fence program did not occur for the 2021 season.

The Department takes the relationship with all First Nations very seriously. In the case of the Gwa'sala-'Nakwaxda'xw Nations (GNN), there are several high level issues to be addressed collaboratively between the GNN and the Government of Canada.

The Department continues to work toward resolution of the issues raised and are optimistic that a collaborative approach will lead to a long term agreement with GNN, enabling the operation of the Doceo assessment project and other matters of common interest.

6. Commercial Troll Fishery Summary:

Area 10 and 110 did not open this year.

7. Sport Fishery Summary:

Logbook and creel information has been used to provide recreational catch information from Area 10 this season.

See Appendix II for the 2021 Area 10 Preliminary Recreational Catch Information.

8. First Nation Social and Ceremonial Fishery (FSC) Summary:

An Area 10 FSC communal licence was issued to the Gwa'sala-'Nakwaxda'xw for the 2021 fishing season. The Gwa'sala-'Nakwaxda'xw's Natural Resource Office administers the food, social and ceremonial fisheries by issuing permits to band members and collecting catch statistics.

At this time there is no estimate of the Gwa'sala-'Nakwaxda'xw Area 10 FSC catch this season.

9. Escapement Summary:

Doceo Fence Overview 2021

The Doceo Fence did not operate in 2021 and no alternate assessment methods were employed by DFO. DFO has made no estimates for any salmon species within Long Lake systems.

Sockeye

No estimate has been made by DFO for 2021.

Coho

No estimate has been made for 2021.

Pink

No estimate has been made for 2021.

Chum

No estimate has been made for 2021.

Chinook

No estimate has been made for 2021.

See Appendix IV for escapements by stream.

10. Current Year/Target Escapement Comparison - Key Streams:
(All estimates preliminary)

Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement
Nekite River	65,000	N/I
Walkum Creek	500	N/I

Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement
Nekite River	60,000	N/I
Nekite Spawning Channel	16,000	N/I
Takush River	15,000	N/I
Walkum River	7,500	N/I

N/I- Not Inspected

N/O- Inspected but none observed

A/P- Inspected and species present, but no estimate of escapement available

11. Appendices:

- Appendix I - Area 10 Weekly Net Catch Summary for 2021 - N/A
- Appendix II - Area 10 Preliminary Recreational Catch Information for 2021
- Appendix III - Area 10 First Nation Food, Social and Ceremonial (FSC) Fishery Catch Summary for 2021 - N/A
- Appendix IV - Area 10 Escapement Summary 2021
- Appendix V - Doceee River Fence Count 2021 - N/A

Appendix II - 2021 Area 10 Preliminary Recreational Catch Information

Wk Wk # Ending	Angler Days	RETAINED									
		Coho		Chinook		Pk	Cm	Lng	Hal	Rk	
		Marked	UnMarked	Marked	UnMarked						
29 17-Jul	7				2			15	3	11	
30 24-Jul	14							36	7	12	
31 31-Jul	14		2			1	1	19	5	21	
32 7-Aug	10			1		1		26	3	6	
33 14-Aug	11					1		13	1	27	
34 21-Aug	8					1		20	3	8	
35 28-Aug	15	2		16		4		20	3	8	
36 4-Sep	4							5		11	
37 11-Sep											
Season Total	83	2	19	0	10	1	0	154	25	104	

Appendix IV
Area 10 Preliminary Escapements 2021

STREAM NAME	Sockeye	Coho	Pink	Chum	Chinook
DOCEE RIVER	N/I	N/I	N/I	N/I	N/I
NEKITE RIVER	N/I	N/I	N/I	N/I	N/I
TAKUSH RIVER	N/I	N/I	N/I	N/I	N/I
WALKUM CREEK	N/I	N/I	N/I	N/I	N/I
Total	N/I	N/I	N/I	N/I	N/I

N/I - Not inspected

N/O - Inspected but none observed

N/P - No population present

A/P - Inspected and species present, but no estimate of escapement available

AREA 10 SOCKEYE

YEAR	CATCH	ESC	TOTAL STOCK
1960	219,341	18,525	237,866
1961	213,277	22,525	235,802
1962	252,058	110,075	362,133
1963	174,996	68,686	243,682
1964	236,432	50,200	286,632
1965	289,821	11,000	300,821
1966	172,091	50,000	222,091
1967	286,000	50,000	336,000
1968	454,106	197,929	652,035
1969	166,998	110,200	277,198
1970	82,677	70,065	152,742
1971	142,955	135,068	278,023
1972	59,397	76,248	135,645
1973	294,693	169,753	464,446
1974	347,705	91,023	438,728
1975	52,673	62,967	115,640
1976	92,189	60,904	153,093
1977	54,828	128,607	183,435
1978	233,522	84,105	317,627
1979	11,022	20,257	31,279
1980	2,318	128,453	130,771
1981	154,355	214,345	368,700
1982	295,789	214,500	510,289
1983	131,221	199,654	330,875
1984	21,163	89,154	110,317
1985	369,178	250,002	619,180
1986	369,854	199,000	568,854
1987	194,926	200,000	394,926
1988	301,731	207,000	508,731
1989	71,821	166,810	238,631
1990	58,579	149,020	207,599
1991	574,550	260,000	834,550
1992	722,816	220,000	942,816
1993	284,156	220,000	504,156
1994	58,094	100,000	158,094
1995	26,428	57,000	83,428
1996	8,700	54,000	62,700
1997	0	32,000	32,000
1998	0	76,000	76,000
1999	0	5,900	5,900
2000	0	1,430	1,430
2001	0	8,450	8,450
2002	0	92,000	92,000
2003	0	179,500	179,500
2004	0	7,800	7,800
2005	0	14,000	14,000
2006	0	26,800	26,800
2007	0	19,102	19,102
2008	0	16,389	16,389
2009	0	18,446	18,446
2010	0	38,633	38,633
2011*	43,388	139,504	182,892
2012	0	16,000	16,000
2013	0	84,810	84,810
2014	1,882	97,845	99,727
2015	0	104,949	104,949
2016	71,400	188,464	259,864
2017	0	N/I	N/I
2018	0	N/I	N/I
2019	0	N/I	N/I
2020	0	N/I	N/I
2021	0	N/I	N/I

* Final hailed catch

Catches From B.C. Catch Statistics and field catch data.

Net Catch Only.

SALMON PROSPECTS FOR THE 2022 SEASON – AREA 10

- Sockeye:** Escapement estimates not possible for 2021, and forecast not possible for 2022. Sockeye harvest opportunities in Area 10 are dependent on marine survival and management plans given the Doceo fence in Smith Inlet is not operational.
- Pink:** Limited information is available. What information is available suggests low escapements in the brood year, no surplus is expected.
- Chum:** Limited information is available. What information is available suggests low escapements in the brood year, no surplus is expected