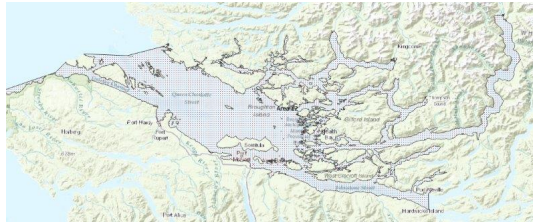


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 12 August 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

| Date | Day Type | Alder Bay Campsite | | Bear Cove | | Port McNeill Ramp | Quarterdeck Marina | | Telegraph Cove | |
|-------------|----------|-----------------------|----|-----------|----|-------------------------|-----------------------|----|----------------|----|
| | | AM | PM | AM | PM | PM | AM | PM | AM | PM |
| 29 Jul 2022 | Midweek | | | | | 10 | | | | |
| 30 Jul 2022 | Weekend | 10 | | | | | 9 | | | |
| 31 Jul 2022 | Weekend | | | | 13 | | | | 18 | |
| 01 Aug 2022 | Weekend | | | | | | 7 | | | |
| 02 Aug 2022 | Midweek | | | 12 | | | | | | |
| 03 Aug 2022 | Midweek | | | | | | 2 | | 5 | |
| 04 Aug 2022 | Midweek | | | | | | | | | |
| 05 Aug 2022 | Midweek | | | | | | | | | |
| 06 Aug 2022 | Weekend | | | | | | 5 | | | 11 |
| 07 Aug 2022 | Weekend | | | 12 | | | | | | 8 |
| 08 Aug 2022 | Midweek | | | | | | 10 | | | |
| 09 Aug 2022 | Midweek | | | 16 | | | | | | |
| 10 Aug 2022 | Midweek | | 9 | 15 | | | | | | |
| 11 Aug 2022 | Midweek | | | | | | | | 8 | |
| 12 Aug 2022 | Midweek | | | | | 4 | | | | |
| 13 Aug 2022 | Weekend | | | | | | | | | 7 |
| 14 Aug 2022 | Weekend | | | 8 | | | | | 5 | |
| 15 Aug 2022 | Midweek | | | | 10 | | | | | |
| 16 Aug 2022 | Midweek | | | 7 | | | | | | |
| 17 Aug 2022 | Midweek | | | | | | | | | 8 |
| 18 Aug 2022 | Midweek | | | | | | | | 12 | |
| 19 Aug 2022 | Midweek | | | | | | | | | 6 |
| 20 Aug 2022 | Weekend | | | | | | 5 | | 4 | |
| 21 Aug 2022 | Weekend | | | 5 | | | | | | |
| 22 Aug 2022 | Midweek | | | | | | 3 | | | |
| 23 Aug 2022 | Midweek | | | | | | | | | |
| 24 Aug 2022 | Midweek | | | 7 | | | | | | 8 |
| 25 Aug 2022 | Midweek | | | | | | | | | 1 |
| 26 Aug 2022 | Midweek | | | | | 3 | | | | |
| 27 Aug 2022 | Weekend | | | | | | 4 | | | |
| 28 Aug 2022 | Weekend | | | | 4 | | | | | |
| 29 Aug 2022 | Midweek | | | | | | | | | |
| 30 Aug 2022 | Midweek | | | | | | | | | |
| 31 Aug 2022 | Midweek | | | | | | | | | |
| 01 Sep 2022 | Midweek | | | | | | | | | |
| 02 Sep 2022 | Midweek | | | | | | | | | |
| 03 Sep 2022 | Weekend | | | | | | | | | |

Table 2: Daily tally of interviews, catch and effort.

| Date | Day | Average Fishing Conditions | Interviews & Log Trips | Chinook | Coho | Sockeye | Halibut | Observed Fishing | Flight Time | Expanded Fishing |
|-------------|-------------------|----------------------------|------------------------|---------|------|---------|---------|------------------|-------------|------------------|
| 29-Jul-2022 | Friday | calm/rippled | 10 | | 7 | | 1 | 95 | 1103 | 113 |
| 30-Jul-2022 | Saturday | calm/rippled | 21 | 9 | 35 | | 1 | | | |
| 31-Jul-2022 | Sunday | calm/rippled | 31 | 12 | 47 | | 1 | | | |
| 01-Aug-2022 | Monday (B.C. Day) | frequent whitecaps | 11 | 7 | 13 | | | | | |
| 02-Aug-2022 | Tuesday | choppy | 14 | 5 | 10 | | | | | |
| 03-Aug-2022 | Wednesday | calm/rippled | 8 | 8 | | | | | | |
| 04-Aug-2022 | Thursday | | 0 | | | | | 32 | 1023 | 38 |
| 05-Aug-2022 | Friday | | 2 | 5 | | | | | | |
| 06-Aug-2022 | Saturday | calm/rippled | 19 | 9 | | | 1 | | | |
| 07-Aug-2022 | Sunday | choppy | 22 | 10 | | | 2 | 16 | 1144 | 20 |
| 08-Aug-2022 | Monday | frequent whitecaps | 13 | 14 | 4 | | | | | |
| 09-Aug-2022 | Tuesday | choppy | 17 | 8 | 1 | | 2 | | | |
| 10-Aug-2022 | Wednesday | choppy | 24 | 4 | 2 | | | | | |
| 11-Aug-2022 | Thursday | calm/rippled | 8 | 8 | | | | | | |
| 12-Aug-2022 | Friday | calm/rippled | 4 | 1 | 1 | | | 44 | 1212 | 52 |
| 13-Aug-2022 | Saturday | calm/rippled | 7 | 5 | 1 | | | | | |
| 14-Aug-2022 | Sunday | choppy | 13 | 6 | 4 | | | 73 | 1037 | 87 |
| 15-Aug-2022 | Monday | choppy | 10 | 4 | 1 | | 1 | | | |
| 16-Aug-2022 | Tuesday | calm/rippled | 7 | 5 | 2 | | | 55 | 1111 | 66 |
| 17-Aug-2022 | Wednesday | calm/rippled | 8 | 3 | 8 | | | | | |
| 18-Aug-2022 | Thursday | calm/rippled | 14 | 11 | 7 | | | | | |
| 19-Aug-2022 | Friday | calm/rippled | 7 | 5 | 8 | | | | | |
| 20-Aug-2022 | Saturday | calm/rippled | 11 | 8 | | | 4 | | | |
| 21-Aug-2022 | Sunday | calm/rippled | 5 | 2 | | | 5 | | | |
| 22-Aug-2022 | Monday | calm/rippled | 3 | 1 | | | | | | |
| 23-Aug-2022 | Tuesday | | 1 | | | | | | | |
| 24-Aug-2022 | Wednesday | calm/rippled | 15 | 6 | 9 | | 3 | | | |
| 25-Aug-2022 | Thursday | calm/rippled | 2 | 1 | | | 1 | 39 | 1130 | 46 |
| 26-Aug-2022 | Friday | calm/rippled | 3 | 2 | | | | | | |
| 27-Aug-2022 | Saturday | calm/rippled | 5 | 2 | 2 | | 10 | 35 | 1030 | 41 |
| 28-Aug-2022 | Sunday | calm/rippled | 4 | 5 | | | 2 | | | |
| 29-Aug-2022 | Monday | | 0 | | | | | | | |
| 30-Aug-2022 | Tuesday | | 0 | | | | | | | |
| 31-Aug-2022 | Wednesday | | 1 | 3 | | | | | | |
| 01-Sep-2022 | Thursday | | 0 | | | | | | | |
| 02-Sep-2022 | Friday | | 2 | 1 | | | 2 | | | |
| 03-Sep-2022 | Saturday | | 0 | | | | | | | |
| | Totals | calm/rippled | 161 | 94 | 53 | | 7 | 43* | | 51* |
| | Totals | calm/rippled | 97 | 54 | 20 | | 24 | 41* | | 49* |

* Average number of boats Observed and Expanded

Table 3: Simple area based cpue (catch per boat trip) expansion.

| Day Type | Average Expanded Boats | Number of Days | Total Estimated Effort | CPUE | | | | Retained | | | |
|----------|------------------------|----------------|------------------------|---------|-------|---------|---------|----------|------|---------|---------|
| | | | | Chinook | Coho | Sockeye | Halibut | Chinook | Coho | Sockeye | Halibut |
| Weekend | 49 | 9 | 441 | 0.557 | 0.206 | | 0.247 | 246 | 91 | | 109 |
| Midweek | 51 | 22 | 1122 | 0.584 | 0.329 | | 0.043 | 655 | 369 | | 48 |

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

| Year | Month | Total Effort | Chinook Kept | Coho Kept | Sockeye Kept | Halibut Kept |
|----------|--------|--------------|--------------|-----------|--------------|--------------|
| 2017 | August | 5419 | 4225 | 679 | 67 | 255 |
| 2018 | August | 5876 | 2160 | 376 | 3646 | 227 |
| 2019 | August | 5027 | 2697 | 367 | 6 | 385 |
| 2020 | August | 4199 | 1400 | 767 | | 846 |
| 2021 | August | 3414 | 1257 | 310 | 0 | 232 |
| 2022 | August | 1695 | 792 | 225 | 0 | 107 |
| 5-Yr Avg | August | 4787 | 2348 | 500 | 930 | 389 |

Table 5: Sport Head Recovery Review.

| Species | Creel Marked Catch | Creel Mark Rate | Creel Submission Rate | iRec Marked Catch | iRec Mark Rate | iRec Submission Rate | Sport Head Recoveries |
|---------|--------------------|-----------------|-----------------------|-------------------|----------------|----------------------|-----------------------|
| Coho | 57 | 25% | 47% | 308 | 25% | 9% | 27 |
| Chinook | 27 | 3% | 111% | 221 | 14% | 14% | 30 |

Table 6: Guided Proprtions Review.

| Data Source | Interviews / Angler Days | Guided Proportion |
|------------------|--------------------------|-------------------|
| Creel Interivews | 258 | 11% |
| iRec Anglers | 7252 | 14% |

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

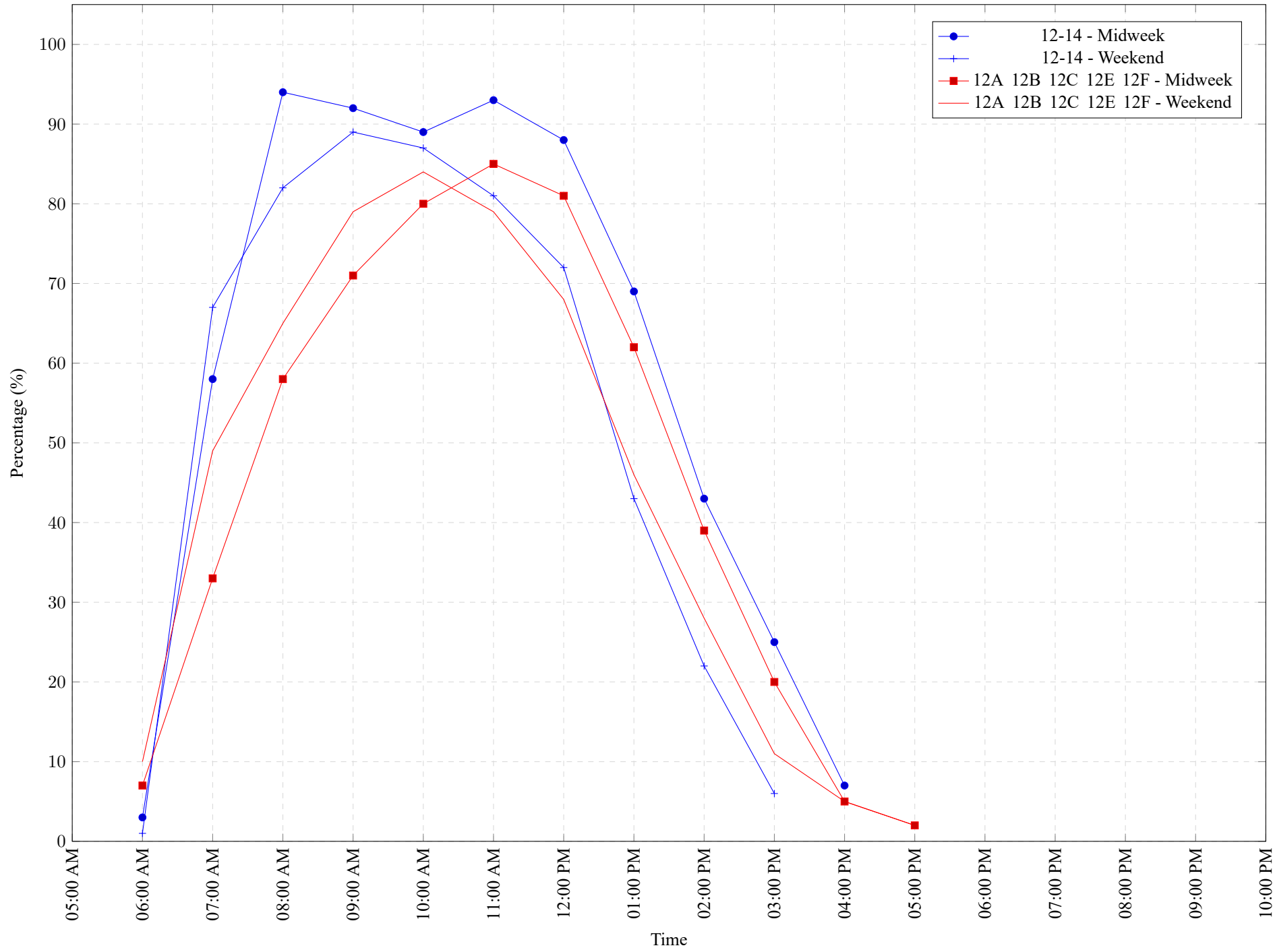


Table 7: Proportion of each day's fishing by hour.

| Areas | | | | | Day Type | 6:00 AM | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 PM | 01:00 PM | 02:00 PM | 03:00 PM | 04:00 PM | 05:00 PM | 06:00 PM | 07:00 PM | 08:00 PM | 09:00 PM | 10:00 PM |
|-------|-----|-----|-----|-----|----------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 12-14 | | | | | Midweek | 3% | 58% | 94% | 92% | 89% | 93% | 88% | 69% | 43% | 25% | 7% | 0% | 0% | 0% | 0% | 0% | 0% |
| 12-14 | | | | | Weekend | 1% | 67% | 82% | 89% | 87% | 81% | 72% | 43% | 22% | 6% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| 12A | 12B | 12C | 12E | 12F | Midweek | 7% | 33% | 58% | 71% | 80% | 85% | 81% | 62% | 39% | 20% | 5% | 2% | 0% | 0% | 0% | 0% | 0% |
| 12A | 12B | 12C | 12E | 12F | Weekend | 10% | 49% | 65% | 79% | 84% | 79% | 68% | 46% | 28% | 11% | 5% | 2% | 0% | 0% | 0% | 0% | 0% |

Table 8: Daily Fishing Conditions.

| Date | Day Type | Alder Bay Campsite | Bear Cove | Port McNeill Ramp | Quarterdeck Marina | Telegraph Cove |
|-------------|----------|-----------------------|--------------|----------------------|-----------------------|-------------------|
| 29 Jul 2022 | Midweek | | | calm/rippled | | |
| 30 Jul 2022 | Weekend | calm/rippled | | | choppy | |
| 31 Jul 2022 | Weekend | | choppy | | | calm/rippled |
| 01 Aug 2022 | Weekend | | | | frequent whitecaps | |
| 02 Aug 2022 | Midweek | | choppy | | | |
| 03 Aug 2022 | Midweek | | | | choppy | calm/rippled |
| 04 Aug 2022 | Midweek | | | | | |
| 05 Aug 2022 | Midweek | | | | | |
| 06 Aug 2022 | Weekend | | | | calm/rippled | calm/rippled |
| 07 Aug 2022 | Weekend | | choppy | | | calm/rippled |
| 08 Aug 2022 | Midweek | | | | frequent whitecaps | |
| 09 Aug 2022 | Midweek | | choppy | | | |
| 10 Aug 2022 | Midweek | calm/rippled | choppy | | | |
| 11 Aug 2022 | Midweek | | | | | calm/rippled |
| 12 Aug 2022 | Midweek | | | calm/rippled | | |
| 13 Aug 2022 | Weekend | | | | | calm/rippled |
| 14 Aug 2022 | Weekend | | choppy | | | calm/rippled |
| 15 Aug 2022 | Midweek | | choppy | | | |
| 16 Aug 2022 | Midweek | | calm/rippled | | | |
| 17 Aug 2022 | Midweek | | | | | calm/rippled |
| 18 Aug 2022 | Midweek | | | | | calm/rippled |
| 19 Aug 2022 | Midweek | | | | | calm/rippled |
| 20 Aug 2022 | Weekend | | | | calm/rippled | calm/rippled |
| 21 Aug 2022 | Weekend | | calm/rippled | | | |
| 22 Aug 2022 | Midweek | | | | calm/rippled | |
| 23 Aug 2022 | Midweek | | | | | |
| 24 Aug 2022 | Midweek | | calm/rippled | | | calm/rippled |
| 25 Aug 2022 | Midweek | | | | | calm/rippled |
| 26 Aug 2022 | Midweek | | | calm/rippled | | |
| 27 Aug 2022 | Weekend | | | | calm/rippled | |
| 28 Aug 2022 | Weekend | | calm/rippled | | | |
| 29 Aug 2022 | Midweek | | | | | |
| 30 Aug 2022 | Midweek | | | | | |
| 31 Aug 2022 | Midweek | | | | | |
| 01 Sep 2022 | Midweek | | | | | |
| 02 Sep 2022 | Midweek | | | | | |
| 03 Sep 2022 | Weekend | | | | | |