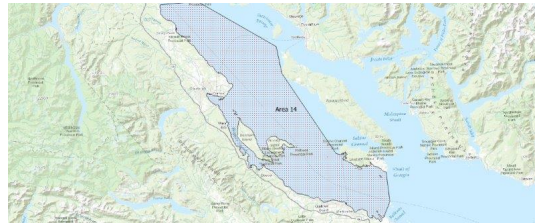


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 14 October 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 12th February, 2022



Fisheries and Oceans
Canada

Pêches et Océans
Canada

**your
catch
counts**

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

| Date | Day Type | Comox | French Ck | | Kitty Coleman | |
|-------------|----------|-----------|-----------|----|---------------|----|
| | | Mun PM | AM | PM | AM | PM |
| 28 Sep 2021 | Midweek | | | | | |
| 29 Sep 2021 | Midweek | | | | | |
| 30 Sep 2021 | Midweek | | | | | |
| 01 Oct 2021 | Midweek | | | | 5 | |
| 02 Oct 2021 | Weekend | | | | | |
| 03 Oct 2021 | Weekend | 4 | | | | 1 |
| 04 Oct 2021 | Midweek | | | | | |
| 05 Oct 2021 | Midweek | | | | | |
| 06 Oct 2021 | Midweek | | | | | |
| 07 Oct 2021 | Midweek | 4 | | | | |
| 08 Oct 2021 | Midweek | | | | | |
| 09 Oct 2021 | Weekend | | | | | |
| 10 Oct 2021 | Weekend | | 4 | | | 1 |
| 11 Oct 2021 | Weekend | | | | | |
| 12 Oct 2021 | Midweek | | | | | |
| 13 Oct 2021 | Midweek | | | 3 | | |
| 14 Oct 2021 | Midweek | | | | | |
| 15 Oct 2021 | Midweek | | | | | |
| 16 Oct 2021 | Weekend | | | | | |
| 17 Oct 2021 | Weekend | | | | | |
| 18 Oct 2021 | Midweek | | | | | |
| 19 Oct 2021 | Midweek | | | | | |
| 20 Oct 2021 | Midweek | | | | | |
| 21 Oct 2021 | Midweek | | | | | |
| 22 Oct 2021 | Midweek | | | | | |
| 23 Oct 2021 | Weekend | | | | | |
| 24 Oct 2021 | Weekend | | | | | |
| 25 Oct 2021 | Midweek | | | | | |
| 26 Oct 2021 | Midweek | | | | | |
| 27 Oct 2021 | Midweek | | | 2 | | |
| 28 Oct 2021 | Midweek | | | | | |
| 29 Oct 2021 | Midweek | | | | | |
| 30 Oct 2021 | Weekend | | 1 | | | |
| 31 Oct 2021 | Weekend | | | | | |
| 01 Nov 2021 | Midweek | | | | | |
| 02 Nov 2021 | Midweek | | | | | |
| 03 Nov 2021 | Midweek | | | | | |

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

| Date | Day | Average Fishing Conditions | Interviews & Log Trips | Chinook | Coho | Sockeye | Halibut | Observed Fishing | Flight Time | Expanded Fishing |
|-------------|--------------------------|----------------------------|------------------------|---------|------|---------|---------|------------------|-------------|------------------|
| 28-Sep-2021 | Tuesday | | 1 | | | | | | | |
| 29-Sep-2021 | Wednesday | | 0 | | | | | | | |
| 30-Sep-2021 | Thursday | | 2 | | | | | | | |
| 01-Oct-2021 | Friday | calm/rippled | 5 | 3 | 6 | | | | | |
| 02-Oct-2021 | Saturday | | 0 | | | | | | | |
| 03-Oct-2021 | Sunday | choppy | 7 | 2 | | | | 14 | 1252 | 18 |
| 04-Oct-2021 | Monday | | 1 | 2 | | | | | | |
| 05-Oct-2021 | Tuesday | | 0 | | | | | | | |
| 06-Oct-2021 | Wednesday | | 1 | 1 | | | | 9 | 1224 | 15 |
| 07-Oct-2021 | Thursday | choppy | 5 | 3 | | | | | | |
| 08-Oct-2021 | Friday | | 1 | 3 | | | | | | |
| 09-Oct-2021 | Saturday | | 0 | | | | | 0 | 1218 | 0 |
| 10-Oct-2021 | Sunday | choppy | 6 | 2 | | | | | | |
| 11-Oct-2021 | Monday (Thanksgiving) | | 1 | 1 | | | | | | |
| 12-Oct-2021 | Tuesday | | 0 | | | | | | | |
| 13-Oct-2021 | Wednesday | calm/rippled | 3 | 2 | | | | | | |
| 14-Oct-2021 | Thursday | | 0 | | | | | 0 | 1219 | 0 |
| 15-Oct-2021 | Friday | | 0 | | | | | | | |
| 16-Oct-2021 | Saturday | | 0 | | | | | | | |
| 17-Oct-2021 | Sunday | | 2 | 1 | | | | | | |
| 18-Oct-2021 | Monday | | 1 | 3 | | | | | | |
| 19-Oct-2021 | Tuesday | | 2 | 2 | | | | 4 | 1232 | 7 |
| 20-Oct-2021 | Wednesday | | 0 | | | | | | | |
| 21-Oct-2021 | Thursday | | 0 | | | | | | | |
| 22-Oct-2021 | Friday | | 1 | | | | | | | |
| 23-Oct-2021 | Saturday | | 0 | | | | | | | |
| 24-Oct-2021 | Sunday | | 0 | | | | | | | |
| 25-Oct-2021 | Monday | | 0 | | | | | | | |
| 26-Oct-2021 | Tuesday | | 0 | | | | | 0 | 1259 | 0 |
| 27-Oct-2021 | Wednesday | calm/rippled | 2 | 3 | | | | | | |
| 28-Oct-2021 | Thursday | | 0 | | | | | | | |
| 29-Oct-2021 | Friday | | 0 | | | | | | | |
| 30-Oct-2021 | Saturday | calm/rippled | 1 | | | | | 10 | 1223 | 13 |
| 31-Oct-2021 | Sunday | | 0 | | | | | 27 | 1247 | 37 |
| 01-Nov-2021 | Monday | | 0 | | | | | | | |
| 02-Nov-2021 | Tuesday | | 0 | | | | | | | |
| 03-Nov-2021 | Wednesday | | 0 | | | | | | | |
| | Totals | calm/rippled | 22 | 22 | 6 | | | 3* | | 6* |
| | Totals | choppy | 17 | 6 | | | | 13* | | 17* |

* Average number of boats Observed and Expanded

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

| Day Type | Average Expanded Boats | Number of Days | Total Estimated Effort | CPUE | | | | Retained | | | |
|----------|------------------------|----------------|------------------------|---------|-------|---------|---------|----------|------|---------|---------|
| | | | | Chinook | Coho | Sockeye | Halibut | Chinook | Coho | Sockeye | Halibut |
| Midweek | 6 | 20 | 120 | 1 | 0.273 | | | 120 | 33 | | |
| Weekend | 17 | 11 | 187 | 0.353 | | | | 66 | | | |

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

| Year | Month | Total Effort | Chinook Kept | Coho Kept | Sockeye Kept | Halibut Kept |
|----------|---------|--------------|--------------|-----------|--------------|--------------|
| 2017 | October | 152 | 4 | 3 | | |
| 2018 | October | 720 | 264 | | | |
| 2019 | October | 548 | 104 | | | 0 |
| 2020 | October | 1003 | 56 | 40 | | 0 |
| 2021 | October | 296 | 92 | 48 | | 0 |
| 5-Yr Avg | October | 606 | 107 | 22 | | 0 |

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 |
|---------|--------------------|-----------------|-----------------------|-------------------|----------------|----------------------|-----------------------|
| Chinook | 21 | 23% | 10% | 2 | 3% | 100% | 2 |

Table 6: Guided Proprtions Review.

| Data Source | Interviews / Angler Days | Guided Proportion |
|------------------|--------------------------|-------------------|
| Creel Interivews | 39 | 5% |
| iRec Anglers | 674 | 30% |

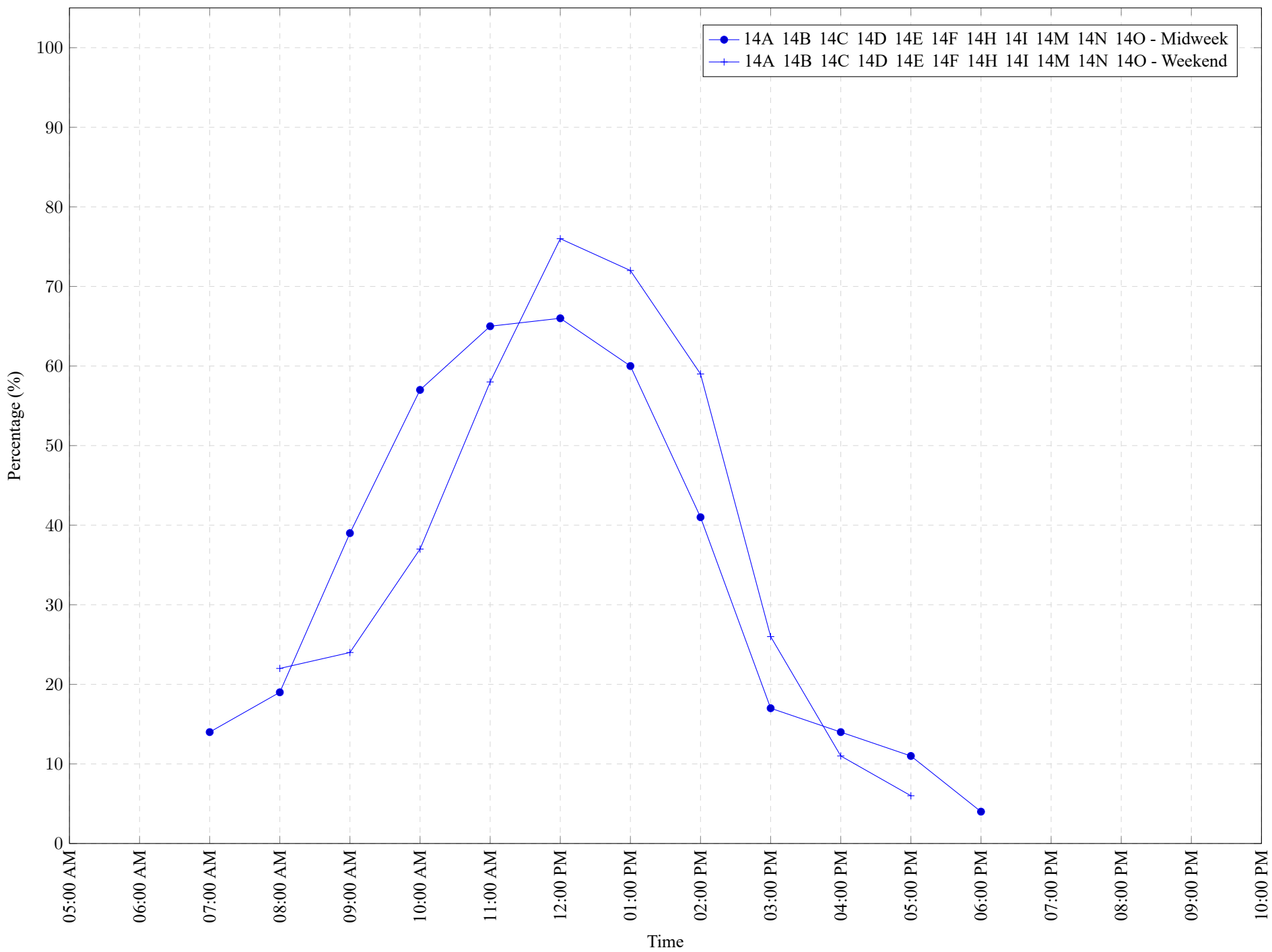
Figure 1: Proportion of each day's fishing by hour.

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 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|----------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 14A | 14B | 14C | 14D | 14E | 14F | 14H | 14I | 14M | 14N | 14O | | Midweek | 0% | 14% | 19% | 39% | 57% | 65% | 66% | 60% | 41% | 17% | 14% | 11% | 4% | 0% | 0% | 0% | 0% |
| 14A | 14B | 14C | 14D | 14E | 14F | 14H | 14I | 14M | 14N | 14O | | Weekend | 0% | 0% | 22% | 24% | 37% | 58% | 76% | 72% | 59% | 26% | 11% | 6% | 0% | 0% | 0% | 0% | 0% |

Table 8: Daily Fishing Conditions.

| Date | Day Type | Comox Mun | French Ck | Kitty Coleman |
|-------------|----------|-----------|--------------|---------------|
| 28 Sep 2021 | Midweek | | | |
| 29 Sep 2021 | Midweek | | | |
| 30 Sep 2021 | Midweek | | | |
| 01 Oct 2021 | Midweek | | | calm/rippled |
| 02 Oct 2021 | Weekend | | | |
| 03 Oct 2021 | Weekend | choppy | | choppy |
| 04 Oct 2021 | Midweek | | | |
| 05 Oct 2021 | Midweek | | | |
| 06 Oct 2021 | Midweek | | | |
| 07 Oct 2021 | Midweek | choppy | | |
| 08 Oct 2021 | Midweek | | | |
| 09 Oct 2021 | Weekend | | | |
| 10 Oct 2021 | Weekend | | choppy | calm/rippled |
| 11 Oct 2021 | Weekend | | | |
| 12 Oct 2021 | Midweek | | | |
| 13 Oct 2021 | Midweek | | calm/rippled | |
| 14 Oct 2021 | Midweek | | | |
| 15 Oct 2021 | Midweek | | | |
| 16 Oct 2021 | Weekend | | | |
| 17 Oct 2021 | Weekend | | | |
| 18 Oct 2021 | Midweek | | | |
| 19 Oct 2021 | Midweek | | | |
| 20 Oct 2021 | Midweek | | | |
| 21 Oct 2021 | Midweek | | | |
| 22 Oct 2021 | Midweek | | | |
| 23 Oct 2021 | Weekend | | | |
| 24 Oct 2021 | Weekend | | | |
| 25 Oct 2021 | Midweek | | | |
| 26 Oct 2021 | Midweek | | | |
| 27 Oct 2021 | Midweek | | calm/rippled | |
| 28 Oct 2021 | Midweek | | | |
| 29 Oct 2021 | Midweek | | | |
| 30 Oct 2021 | Weekend | | calm/rippled | |
| 31 Oct 2021 | Weekend | | | |
| 01 Nov 2021 | Midweek | | | |
| 02 Nov 2021 | Midweek | | | |
| 03 Nov 2021 | Midweek | | | |