FISHERIES AND OCEANS CANADA

South Coast Assessment Bulletin

CREEL SURVEY DATA REVIEW PACKAGE

Area 27 May 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 |
|-------------|----------|
| 28 Apr 2022 | Midweek |
| 29 Apr 2022 | Midweek |
| 30 Apr 2022 | Weekend |
| 01 May 2022 | Weekend |
| 02 May 2022 | Midweek |
| 03 May 2022 | Midweek |
| 04 May 2022 | Midweek |
| 05 May 2022 | Midweek |
| 06 May 2022 | Midweek |
| 07 May 2022 | Weekend |
| 08 May 2022 | Weekend |
| 09 May 2022 | Midweek |
| 10 May 2022 | Midweek |
| 11 May 2022 | Midweek |
| 12 May 2022 | Midweek |
| 13 May 2022 | Midweek |
| 14 May 2022 | Weekend |
| 15 May 2022 | Weekend |
| 16 May 2022 | Midweek |
| 17 May 2022 | Midweek |
| 18 May 2022 | Midweek |
| 19 May 2022 | Midweek |
| 20 May 2022 | Midweek |
| 21 May 2022 | Weekend |
| 22 May 2022 | Weekend |
| 23 May 2022 | Weekend |
| 24 May 2022 | Midweek |
| 25 May 2022 | Midweek |
| 26 May 2022 | Midweek |
| 27 May 2022 | Midweek |
| 28 May 2022 | Weekend |
| 29 May 2022 | Weekend |
| 30 May 2022 | Midweek |
| 31 May 2022 | Midweek |
| 01 Jun 2022 | Midweek |
| 02 Jun 2022 | Midweek |
| 03 Jun 2022 | Midweek |

| Date | Day | Average Fishing Conditions | Interviews & Log Trips | Chinook | Coho | Sockeye | Halibut | Observed Fishing | Flight Time | Expanded Fishing |
|-------------|----------------|----------------------------------|---------------------------|---------|------|---------|---------|---------------------|----------------|---------------------|
| 28-Apr-2022 | Thursday | | 0 | | | | | | | |
| 29-Apr-2022 | Friday | | 0 | | | | | | | |
| 30-Apr-2022 | Saturday | | 0 | | | | | | | |
| 01-May-2022 | Sunday | | 0 | | | | | | | |
| 02-May-2022 | Monday | | 2 | 1 | | | | | | |
| 03-May-2022 | Tuesday | | 0 | | | | | | | |
| 04-May-2022 | Wednesday | | 0 | | | | | | | |
| 05-May-2022 | Thursday | | 0 | | | | | | | |
| 06-May-2022 | Friday | | 0 | | | | | | | |
| 07-May-2022 | Saturday | | 0 | | | | | 0 | 0927 | |
| 08-May-2022 | Sunday | | 0 | | | | | | | |
| 09-May-2022 | Monday | | 0 | | | | | | | |
| 10-May-2022 | Tuesday | | 0 | | | | | | | |
| 11-May-2022 | Wednesday | | 0 | | | | | | | |
| 12-May-2022 | Thursday | | 0 | | | | | | | |
| 13-May-2022 | Friday | | 0 | | | | | | | |
| 14-May-2022 | Saturday | | 0 | | | | | 0 | 0942 | |
| 15-May-2022 | Sunday | | 0 | | | | | | | |
| 16-May-2022 | Monday | | 0 | | | | | | | |
| 17-May-2022 | Tuesday | | 0 | | | | | 0 | 0950 | |
| 18-May-2022 | Wednesday | | 0 | | | | | | | |
| 19-May-2022 | Thursday | | 1 | | | | 2 | | | |
| 20-May-2022 | Friday | | 0 | | | | | | | |
| 21-May-2022 | Saturday | | 2 | | | | 4 | | | |
| 22-May-2022 | Sunday | | 3 | 1 | | | | | | |
| 23-May-2022 | Monday | | 0 | | | | | | | |
| | (Victoria Day) | | | | | | | | | |
| 24-May-2022 | Tuesday | | 0 | | | | | | | |
| 25-May-2022 | Wednesday | | 0 | | | | | | | |
| 26-May-2022 | Thursday | | 0 | | | | | | | |
| 27-May-2022 | Friday | | 2 | 3 | | | | | | |
| 28-May-2022 | Saturday | | 2 | | | | 5 | | | |
| 29-May-2022 | Sunday | | 0 | | | | | 0 | 0922 | |
| 30-May-2022 | Monday | | 0 | | | | | | | |
| 31-May-2022 | Tuesday | | 3 | 1 | | | 8 | | | |
| 01-Jun-2022 | Wednesday | | 2 | 3 | 2 | | | | | |
| 02-Jun-2022 | Thursday | | 2 | 1 | 1 | | 6 | | | |
| 03-Jun-2022 | Friday | | 3 | 3 | | | 7 | | | |
| | Totals | | 8 | 5 | | | 10 | 0^* | | * |
| | Totals | | 7 | 1 | | | 9 | 0^* | | * |

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

* Average number of boats Observed and Expanded

| | | | | | C | PUE | | | Ret | ained | |
|----------|----------|-----------|-----------|---------|------|---------|---------|---------|------|---------|---------|
| Day Type | Average | Number of | Total | Chinook | Coho | Sockeye | Halibut | Chinook | Coho | Sockeye | Halibut |
| | Expanded | Days | Estimated | | | | | | | | |
| | Boats | | Effort | | | | | | | | |
| Weekend | | 10 | | 0.143 | | | 1.286 | | | | |
| Midweek | | 21 | | 0.625 | | | 1.25 | | | | |

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

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

| Year | Month | Total Effort | Chinook Kept | Coho Kept | Sockeye Kept | Halibut Kept |
|----------|-------|--------------|--------------|-----------|--------------|--------------|
| 2017 | May | 144 | 50 | 24 | | 40 |
| 2018 | May | 137 | 43 | | | 88 |
| 2019 | May | 148 | 42 | | | 32 |
| 2020 | May | 217 | 24 | | | 31 |
| 2021 | May | 137 | 54 | | | 57 |
| 5-Yr Avg | May | 157 | 43 | 24 | | 50 |

Table 5: Sport Head Recovery Review.

| Species | Creel Marked Catch | Mark | Creel Submission Rate | iRec Marked Catch | Mark | iRec Submission Rate | Sport Head Recoveries |
|---------|--------------------------|------|-----------------------------|-------------------------|------|----------------------------|--------------------------|
| Chinook | | % | | 78 | 27% | 5% | 4 |

Table 6: Guided Proprtions Review.

| Data Source | Interviews / Angler Days | Guided Proportion |
|--------------|--------------------------|-------------------|
| iRec Anglers | 721 | 20% |

| 05:00 AM | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 00 | 00 |
|----------|---|----|----|----|----|----|----|----|-------------------------------|----|----|----|
| 06:00 AM | | | | | | | | | | | | |
| 07:00 AM | | | | | | | | | | | | |
| 08:00 AM | | | | | | | | | | | | |
| 00:00 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 | | | | | | | | | | | | |
| M4 00:60 | | | | | | | | | | | | |
| 10:00 PM | | | | | | | | | | | | |

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

S

| Areas | Day Type | 6:00 | 7:00 | 8:00 | 9:00 | 10:00 | 11:00 | 12:00 | 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00 | 08:00 | 09:00 | 10:00 |
|-------|----------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | AM | AM | AM | AM | AM | AM | PM |

| Date | Day Type |
|-------------|----------|
| 28 Apr 2022 | Midweek |
| 29 Apr 2022 | Midweek |
| 30 Apr 2022 | Weekend |
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Table 8: Daily Fishing Conditions.