

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (West) May 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Wednesday 11th October, 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 | Pacific Gateway Marina MD |
|-------------|----------|---------------------------|
| 28 Apr 2023 | Midweek | |
| 29 Apr 2023 | Weekend | |
| 30 Apr 2023 | Weekend | |
| 01 May 2023 | Midweek | |
| 02 May 2023 | Midweek | |
| 03 May 2023 | Midweek | |
| 04 May 2023 | Midweek | |
| 05 May 2023 | Midweek | |
| 06 May 2023 | Weekend | |
| 07 May 2023 | Weekend | |
| 08 May 2023 | Midweek | |
| 09 May 2023 | Midweek | |
| 10 May 2023 | Midweek | |
| 11 May 2023 | Midweek | |
| 12 May 2023 | Midweek | |
| 13 May 2023 | Weekend | |
| 14 May 2023 | Weekend | |
| 15 May 2023 | Midweek | |
| 16 May 2023 | Midweek | |
| 17 May 2023 | Midweek | |
| 18 May 2023 | Midweek | |
| 19 May 2023 | Midweek | |
| 20 May 2023 | Weekend | |
| 21 May 2023 | Weekend | |
| 22 May 2023 | Weekend | |
| 23 May 2023 | Midweek | |
| 24 May 2023 | Midweek | |
| 25 May 2023 | Midweek | |
| 26 May 2023 | Midweek | |
| 27 May 2023 | Weekend | |
| 28 May 2023 | Weekend | |
| 29 May 2023 | Midweek | |
| 30 May 2023 | Midweek | |
| 31 May 2023 | Midweek | |
| 01 Jun 2023 | Midweek | |
| 02 Jun 2023 | Midweek | 6 |
| 03 Jun 2023 | Weekend | 5 |

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-Apr-2023 | Friday | | 0 | | | | | | | |
| 29-Apr-2023 | Saturday | | 0 | | | | | 3 | 0955 | |
| 30-Apr-2023 | Sunday | | 0 | | | | | | | |
| 01-May-2023 | Monday | | 0 | | | | | | | |
| 02-May-2023 | Tuesday | | 0 | | | | | | | |
| 03-May-2023 | Wednesday | | 0 | | | | | | | |
| 04-May-2023 | Thursday | | 0 | | | | | | | |
| 05-May-2023 | Friday | | 0 | | | | | 1 | 1006 | |
| 06-May-2023 | Saturday | | 0 | | | | | 4 | 1013 | |
| 07-May-2023 | Sunday | | 0 | | | | | | | |
| 08-May-2023 | Monday | | 0 | | | | | | | |
| 09-May-2023 | Tuesday | | 0 | | | | | | | |
| 10-May-2023 | Wednesday | | 0 | | | | | | | |
| 11-May-2023 | Thursday | | 0 | | | | | | | |
| 12-May-2023 | Friday | | 0 | | | | | | | |
| 13-May-2023 | Saturday | | 0 | | | | | 6 | 1013 | |
| 14-May-2023 | Sunday | | 1 | | | | 1 | | | |
| 15-May-2023 | Monday | | 0 | | | | | | | |
| 16-May-2023 | Tuesday | | 0 | | | | | | | |
| 17-May-2023 | Wednesday | | 0 | | | | | | | |
| 18-May-2023 | Thursday | | 0 | | | | | | | |
| 19-May-2023 | Friday | | 0 | | | | | | | |
| 20-May-2023 | Saturday | | 0 | | | | | 1 | 1001 | |
| 21-May-2023 | Sunday | | 0 | | | | | | | |
| 22-May-2023 | Monday (Victoria Day) | | 0 | | | | | | | |
| 23-May-2023 | Tuesday | | 0 | | | | | 4 | 1003 | |
| 24-May-2023 | Wednesday | | 0 | | | | | | | |
| 25-May-2023 | Thursday | | 0 | | | | | | | |
| 26-May-2023 | Friday | | 0 | | | | | | | |
| 27-May-2023 | Saturday | | 0 | | | | | | | |
| 28-May-2023 | Sunday | | 0 | | | | | | | |
| 29-May-2023 | Monday | | 0 | | | | | | | |
| 30-May-2023 | Tuesday | | 0 | | | | | | | |
| 31-May-2023 | Wednesday | | 0 | | | | | | | |
| 01-Jun-2023 | Thursday | | 0 | | | | | 4 | 0850 | |
| 02-Jun-2023 | Friday | calm/rippled | 6 | | | | | | | |
| 03-Jun-2023 | Saturday | calm/rippled | 5 | | | | | 24 | 0923 | |
| | Totals | | | | | | | 3* | | * |
| | Totals | | 1 | | | | 1 | 4* | | * |

* 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 | | 22 | | | | | | | | | |
| Weekend | | 9 | | | | | 1 | | | | |

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

| Year | Month | Total Effort | Chinook Kept | Coho Kept | Sockeye Kept | Halibut Kept |
|----------|-------|--------------|--------------|-----------|--------------|--------------|
| 2020 | May | 62 | | | | 22 |
| 2021 | May | 164 | 7 | | | 60 |
| 5-Yr Avg | May | 113 | 7 | | | 41 |

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 | 25 | 100% | 176% | 58 | 84% | 76% | 44 |

Table 6: Guided Proprtions Review.

| Data Source | Interviews / Angler Days | Guided Proportion |
|------------------|--------------------------|-------------------|
| Creel Interivews | 68 | 9% |
| iRec Anglers | 411 | 34% |
| iRec Anglers | 1002 | 17% |

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

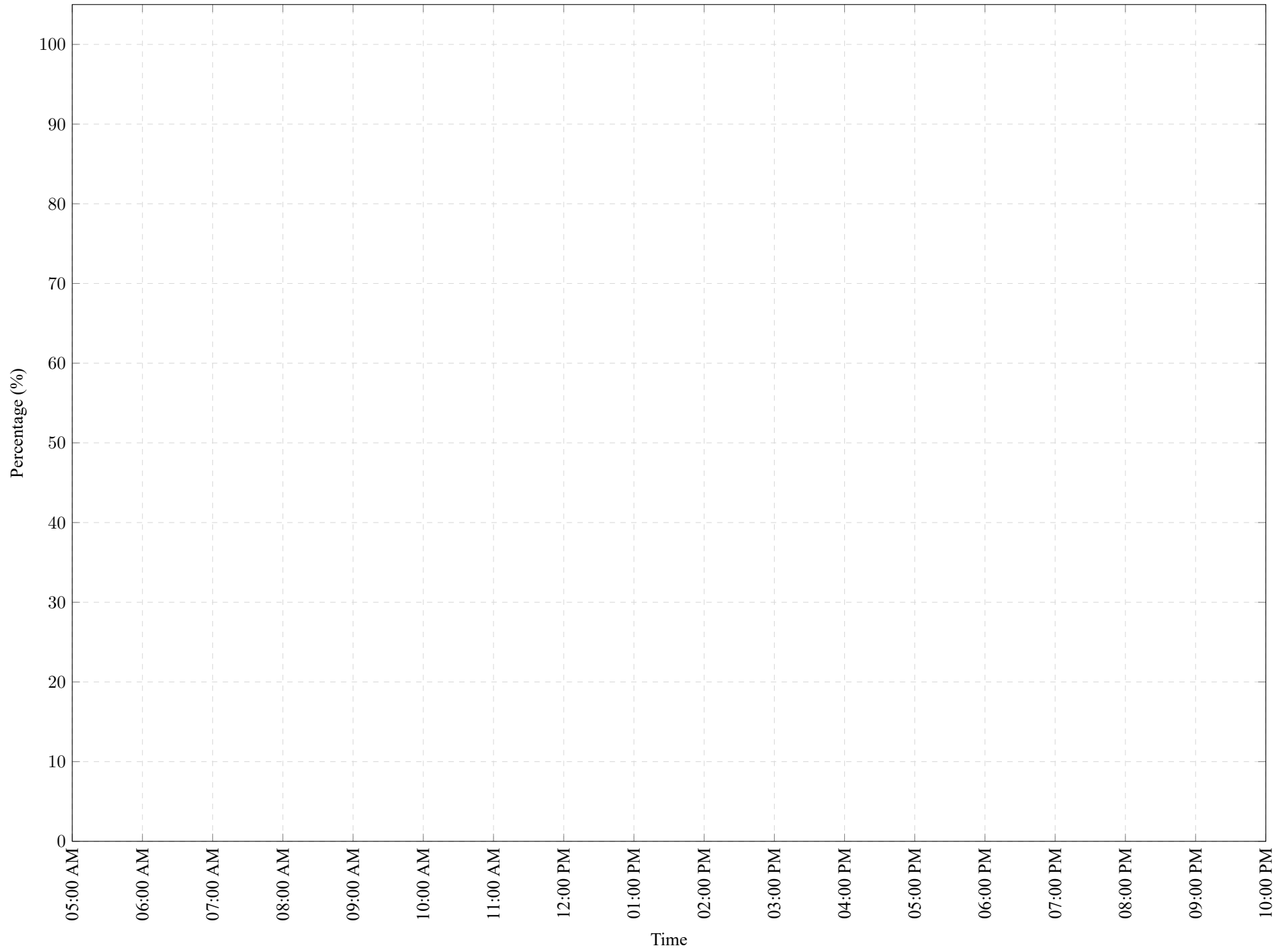


Table 7: Proportion of each day's fishing by hour.

| Areas | Day Type | 6:00 | 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 | PM | PM | PM | PM | PM | PM | PM | PM | PM | PM |

Table 8: Daily Fishing Conditions.

| Date | Day Type | Pacific Gateway Marina |
|-------------|----------|------------------------|
| 28 Apr 2023 | Midweek | |
| 29 Apr 2023 | Weekend | |
| 30 Apr 2023 | Weekend | |
| 01 May 2023 | Midweek | |
| 02 May 2023 | Midweek | |
| 03 May 2023 | Midweek | |
| 04 May 2023 | Midweek | |
| 05 May 2023 | Midweek | |
| 06 May 2023 | Weekend | |
| 07 May 2023 | Weekend | |
| 08 May 2023 | Midweek | |
| 09 May 2023 | Midweek | |
| 10 May 2023 | Midweek | |
| 11 May 2023 | Midweek | |
| 12 May 2023 | Midweek | |
| 13 May 2023 | Weekend | |
| 14 May 2023 | Weekend | |
| 15 May 2023 | Midweek | |
| 16 May 2023 | Midweek | |
| 17 May 2023 | Midweek | |
| 18 May 2023 | Midweek | |
| 19 May 2023 | Midweek | |
| 20 May 2023 | Weekend | |
| 21 May 2023 | Weekend | |
| 22 May 2023 | Weekend | |
| 23 May 2023 | Midweek | |
| 24 May 2023 | Midweek | |
| 25 May 2023 | Midweek | |
| 26 May 2023 | Midweek | |
| 27 May 2023 | Weekend | |
| 28 May 2023 | Weekend | |
| 29 May 2023 | Midweek | |
| 30 May 2023 | Midweek | |
| 31 May 2023 | Midweek | |
| 01 Jun 2023 | Midweek | |
| 02 Jun 2023 | Midweek | calm/rippled |
| 03 Jun 2023 | Weekend | calm/rippled |