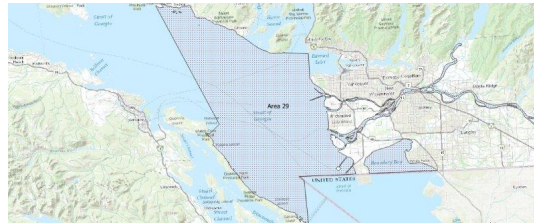


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 29 June 2019



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



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 | McDonald Beach | | Planetarium | | Sewell's West | Thunderbird Marina |
|-------------|----------|----------------|----|-------------|----|---------------|--------------------|
| | | AM | PM | AM | PM | PM | AM |
| 29 May 2019 | Midweek | | | | | | |
| 30 May 2019 | Midweek | | | | | | |
| 31 May 2019 | Midweek | | | | | | |
| 01 Jun 2019 | Weekend | | | | | | |
| 02 Jun 2019 | Weekend | | | | | | |
| 03 Jun 2019 | Midweek | | | | | | |
| 04 Jun 2019 | Midweek | | | | | | |
| 05 Jun 2019 | Midweek | | | | | | |
| 06 Jun 2019 | Midweek | | | | | | |
| 07 Jun 2019 | Midweek | | | | | | |
| 08 Jun 2019 | Weekend | | | | | | |
| 09 Jun 2019 | Weekend | 2 | | | | | |
| 10 Jun 2019 | Midweek | | | | | | |
| 11 Jun 2019 | Midweek | | | | | | |
| 12 Jun 2019 | Midweek | | | | 2 | | |
| 13 Jun 2019 | Midweek | | | | | | |
| 14 Jun 2019 | Midweek | | | | | | |
| 15 Jun 2019 | Weekend | | | 1 | | | |
| 16 Jun 2019 | Weekend | | | | | | 1 |
| 17 Jun 2019 | Midweek | | | | | | |
| 18 Jun 2019 | Midweek | | | | | | |
| 19 Jun 2019 | Midweek | | | | | | |
| 20 Jun 2019 | Midweek | | | | | | |
| 21 Jun 2019 | Midweek | | | | | | |
| 22 Jun 2019 | Weekend | | | | | 1 | |
| 23 Jun 2019 | Weekend | | 6 | | | | |
| 24 Jun 2019 | Midweek | | | | | | |
| 25 Jun 2019 | Midweek | | | | | | |
| 26 Jun 2019 | Midweek | | 2 | | | | |
| 27 Jun 2019 | Midweek | | | | | | |
| 28 Jun 2019 | Midweek | | | | 3 | | |
| 29 Jun 2019 | Weekend | | 19 | | | | |
| 30 Jun 2019 | Weekend | | | | 8 | | |
| 01 Jul 2019 | Weekend | | | | | | |
| 02 Jul 2019 | Midweek | | | | | | |
| 03 Jul 2019 | 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 |
|-------------|---------------------|----------------------------|------------------------|---------|------|---------|---------|------------------|-------------|------------------|
| 29-May-2019 | Wednesday | | 0 | | | | | | | |
| 30-May-2019 | Thursday | | 0 | | | | | | | |
| 31-May-2019 | Friday | | 1 | | | | | | | |
| 01-Jun-2019 | Saturday | | 1 | | | | | | | |
| 02-Jun-2019 | Sunday | | 0 | | | | | 36 | 1241 | 44 |
| 03-Jun-2019 | Monday | | 1 | | | | | | | |
| 04-Jun-2019 | Tuesday | | 0 | | | | | | | |
| 05-Jun-2019 | Wednesday | | 0 | | | | | | | |
| 06-Jun-2019 | Thursday | | 1 | | | | | | | |
| 07-Jun-2019 | Friday | | 0 | | | | | 9 | 1248 | 16 |
| 08-Jun-2019 | Saturday | | 0 | | | | | | | |
| 09-Jun-2019 | Sunday | calm/rippled | 2 | | | | | 57 | 1246 | 71 |
| 10-Jun-2019 | Monday | | 0 | | | | | | | |
| 11-Jun-2019 | Tuesday | | 0 | | | | | | | |
| 12-Jun-2019 | Wednesday | choppy | 2 | | | | | | | |
| 13-Jun-2019 | Thursday | | 1 | | | | | 9 | 1242 | 16 |
| 14-Jun-2019 | Friday | | 0 | | | | | | | |
| 15-Jun-2019 | Saturday | calm/rippled | 2 | | | | | | | |
| 16-Jun-2019 | Sunday | calm/rippled | 2 | | | | | | | |
| 17-Jun-2019 | Monday | | 0 | | | | | | | |
| 18-Jun-2019 | Tuesday | | 0 | | | | | | | |
| 19-Jun-2019 | Wednesday | | 0 | | | | | 0 | 1248 | 0 |
| 20-Jun-2019 | Thursday | | 0 | | | | | | | |
| 21-Jun-2019 | Friday | | 0 | | | | | | | |
| 22-Jun-2019 | Saturday | choppy | 1 | | | | | 34 | 1245 | 42 |
| 23-Jun-2019 | Sunday | calm/rippled | 6 | | | | | | | |
| 24-Jun-2019 | Monday | | 0 | | | | | | | |
| 25-Jun-2019 | Tuesday | | 3 | | 4 | | | | | |
| 26-Jun-2019 | Wednesday | choppy | 2 | | 1 | | | 16 | 1238 | 28 |
| 27-Jun-2019 | Thursday | | 0 | | | | | | | |
| 28-Jun-2019 | Friday | choppy | 3 | | 1 | | | | | |
| 29-Jun-2019 | Saturday | calm/rippled | 19 | 1 | 7 | | | 97 | 1254 | 122 |
| 30-Jun-2019 | Sunday | choppy | 9 | | 1 | | | | | |
| 01-Jul-2019 | Monday (Canada Day) | | 0 | | | | | | | |
| 02-Jul-2019 | Tuesday | | 0 | | | | | | | |
| 03-Jul-2019 | Wednesday | | 1 | | | | | | | |
| | Totals | choppy | 13 | | 6 | | | 9* | | 15* |
| | Totals | calm/rippled | 42 | 1 | 8 | | | 56* | | 70* |

* 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 | 70 | 10 | 700 | 0.0240 | 0.19 | | | 17 | 133 | | |
| Midweek | 15 | 20 | 300 | | 0.4620 | | | | 139 | | |

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

| Year | Month | Total Effort | Chinook Kept | Coho Kept | Sockeye Kept | Halibut Kept |
|----------|-------|--------------|--------------|-----------|--------------|--------------|
| 2014 | June | 758 | 193 | 53 | | |
| 2015 | June | 1597 | 456 | 132 | | |
| 2016 | June | 1703 | 393 | 104 | | |
| 2017 | June | 1888 | 446 | 5 | | |
| 2018 | June | 1970 | 435 | 307 | | |
| 2019 | June | 1023 | 8 | 94 | | 0 |
| 5-Yr Avg | June | 1583 | 385 | 120 | | |

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 | 94 | 100% | 3% | 271 | 100% | 1% | 3 |

Table 6: Guided Proprtions Review.

| Data Source | Interviews / Angler Days | Guided Proportion |
|------------------|--------------------------|-------------------|
| Creel Interivews | 55 | 1% |
| iRec Anglers | 2165 | 24% |
| iRec Responses | 69 | 9% |

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

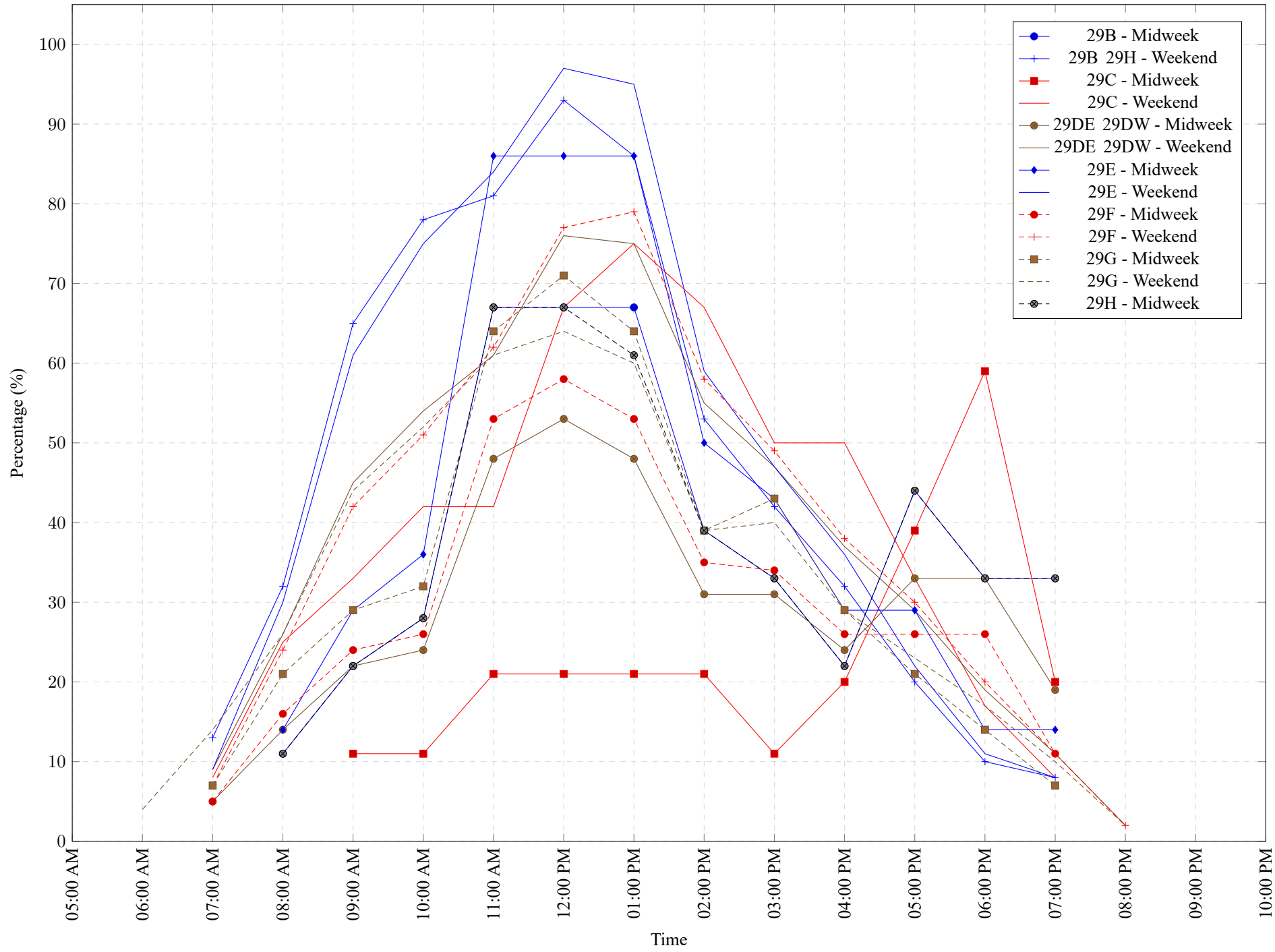


Table 7: Proportion of each day's fishing by hour.

| 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 |
|-----------|----------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 29B | Midweek | 0% | 0% | 11% | 22% | 28% | 67% | 67% | 67% | 39% | 33% | 22% | 44% | 33% | 33% | 0% | 0% | 0% |
| 29B 29H | Weekend | 0% | 13% | 32% | 65% | 78% | 81% | 93% | 86% | 53% | 42% | 32% | 20% | 10% | 8% | 0% | 0% | 0% |
| 29C | Midweek | 0% | 0% | 0% | 11% | 11% | 21% | 21% | 21% | 21% | 11% | 20% | 39% | 59% | 20% | 0% | 0% | 0% |
| 29C | Weekend | 0% | 8% | 25% | 33% | 42% | 42% | 67% | 75% | 67% | 50% | 50% | 33% | 17% | 8% | 0% | 0% | 0% |
| 29DE 29DW | Midweek | 0% | 5% | 14% | 22% | 24% | 48% | 53% | 48% | 31% | 31% | 24% | 33% | 33% | 19% | 0% | 0% | 0% |
| 29DE 29DW | Weekend | 0% | 9% | 26% | 45% | 54% | 61% | 76% | 75% | 55% | 47% | 37% | 29% | 19% | 11% | 2% | 0% | 0% |
| 29E | Midweek | 0% | 0% | 14% | 29% | 36% | 86% | 86% | 86% | 50% | 43% | 29% | 29% | 14% | 14% | 0% | 0% | 0% |
| 29E | Weekend | 0% | 9% | 30% | 61% | 75% | 84% | 97% | 95% | 59% | 47% | 36% | 22% | 11% | 8% | 0% | 0% | 0% |
| 29F | Midweek | 0% | 5% | 16% | 24% | 26% | 53% | 58% | 53% | 35% | 34% | 26% | 26% | 26% | 11% | 0% | 0% | 0% |
| 29F | Weekend | 0% | 7% | 24% | 42% | 51% | 62% | 77% | 79% | 58% | 49% | 38% | 30% | 20% | 11% | 2% | 0% | 0% |
| 29G | Midweek | 0% | 7% | 21% | 29% | 32% | 64% | 71% | 64% | 39% | 43% | 29% | 21% | 14% | 7% | 0% | 0% | 0% |
| 29G | Weekend | 4% | 14% | 26% | 44% | 52% | 61% | 64% | 60% | 39% | 40% | 29% | 23% | 17% | 10% | 2% | 0% | 0% |
| 29H | Midweek | 0% | 0% | 11% | 22% | 28% | 67% | 67% | 61% | 39% | 33% | 22% | 44% | 33% | 33% | 0% | 0% | 0% |

Table 8: Daily Fishing Conditions.

| Date | Day Type | McDonald Beach | Planetarium | Sewell's West | Thunderbird Marina |
|-------------|----------|----------------|--------------|---------------|--------------------|
| 29 May 2019 | Midweek | | | | |
| 30 May 2019 | Midweek | | | | |
| 31 May 2019 | Midweek | | | | |
| 01 Jun 2019 | Weekend | | | | |
| 02 Jun 2019 | Weekend | | | | |
| 03 Jun 2019 | Midweek | | | | |
| 04 Jun 2019 | Midweek | | | | |
| 05 Jun 2019 | Midweek | | | | |
| 06 Jun 2019 | Midweek | | | | |
| 07 Jun 2019 | Midweek | | | | |
| 08 Jun 2019 | Weekend | | | | |
| 09 Jun 2019 | Weekend | calm/rippled | | | |
| 10 Jun 2019 | Midweek | | | | |
| 11 Jun 2019 | Midweek | | | | |
| 12 Jun 2019 | Midweek | | choppy | | |
| 13 Jun 2019 | Midweek | | | | |
| 14 Jun 2019 | Midweek | | | | |
| 15 Jun 2019 | Weekend | | calm/rippled | | |
| 16 Jun 2019 | Weekend | | | | calm/rippled |
| 17 Jun 2019 | Midweek | | | | |
| 18 Jun 2019 | Midweek | | | | |
| 19 Jun 2019 | Midweek | | | | |
| 20 Jun 2019 | Midweek | | | | |
| 21 Jun 2019 | Midweek | | | | |
| 22 Jun 2019 | Weekend | | | choppy | |
| 23 Jun 2019 | Weekend | calm/rippled | | | |
| 24 Jun 2019 | Midweek | | | | |
| 25 Jun 2019 | Midweek | | | | |
| 26 Jun 2019 | Midweek | choppy | | | |
| 27 Jun 2019 | Midweek | | | | |
| 28 Jun 2019 | Midweek | | choppy | | |
| 29 Jun 2019 | Weekend | calm/rippled | | | |
| 30 Jun 2019 | Weekend | | choppy | | |
| 01 Jul 2019 | Weekend | | | | |
| 02 Jul 2019 | Midweek | | | | |
| 03 Jul 2019 | Midweek | | | | |