

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) April 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 | Cattle Point | | Flemming | | Jock's Dock (Crab Shack) | Pedder Bay | | Sidney |
|-------------|----------|--------------|----|----------|----|-----------------------------------|------------|----|--------|
| | | AM | PM | AM | PM | PM | AM | PM | PM |
| 29 Mar 2019 | Midweek | | | | | | | | |
| 30 Mar 2019 | Weekend | | | | | | | | |
| 31 Mar 2019 | Weekend | | | | | | | | |
| 01 Apr 2019 | Midweek | | | | 6 | | | | |
| 02 Apr 2019 | Midweek | | | | | | | | |
| 03 Apr 2019 | Midweek | | | | | | | | |
| 04 Apr 2019 | Midweek | 3 | | | | | | | |
| 05 Apr 2019 | Midweek | | | | | | | | |
| 06 Apr 2019 | Weekend | | | | | | | | |
| 07 Apr 2019 | Weekend | | | | | | | | |
| 08 Apr 2019 | Midweek | | | | | | | | |
| 09 Apr 2019 | Midweek | | | | | | | 1 | |
| 10 Apr 2019 | Midweek | | | | | | | | |
| 11 Apr 2019 | Midweek | | | | | | | | |
| 12 Apr 2019 | Midweek | | | | | | | | |
| 13 Apr 2019 | Weekend | | | | 5 | | 14 | | |
| 14 Apr 2019 | Weekend | | | | | | | | |
| 15 Apr 2019 | Midweek | | | | | | | | |
| 16 Apr 2019 | Midweek | | | | | | | | |
| 17 Apr 2019 | Midweek | | | | | | | | |
| 18 Apr 2019 | Midweek | | | | | | | | |
| 19 Apr 2019 | Weekend | | | | | | | | |
| 20 Apr 2019 | Weekend | | | | | | | | |
| 21 Apr 2019 | Weekend | | | | | | | 1 | |
| 22 Apr 2019 | Midweek | | | | 2 | | | | |
| 23 Apr 2019 | Midweek | | | | | | | | |
| 24 Apr 2019 | Midweek | | | | | | | | |
| 25 Apr 2019 | Midweek | | | | | | | | |
| 26 Apr 2019 | Midweek | | | 5 | | | | | |
| 27 Apr 2019 | Weekend | | | | | | | | 2 |
| 28 Apr 2019 | Weekend | | | 2 | | | | 34 | |
| 29 Apr 2019 | Midweek | | 1 | | | 1 | | | |
| 30 Apr 2019 | Midweek | | | | | | 4 | | |
| 01 May 2019 | Midweek | | | | | | | | |
| 02 May 2019 | Midweek | | | | | | | | |
| 03 May 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-Mar-2019 | Friday | | 0 | | | | | | | |
| 30-Mar-2019 | Saturday | | 0 | | | | | | | |
| 31-Mar-2019 | Sunday | | 0 | | | | | | | |
| 01-Apr-2019 | Monday | choppy | 6 | 1 | | | | | | |
| 02-Apr-2019 | Tuesday | | 0 | | | | | | | |
| 03-Apr-2019 | Wednesday | | 0 | | | | | | | |
| 04-Apr-2019 | Thursday | calm/rippled | 3 | | | | 1 | 20 | 1132 | 35 |
| 05-Apr-2019 | Friday | | 0 | | | | | | | |
| 06-Apr-2019 | Saturday | | 0 | | | | | | | |
| 07-Apr-2019 | Sunday | | 0 | | | | | | | |
| 08-Apr-2019 | Monday | | 0 | | | | | | | |
| 09-Apr-2019 | Tuesday | frequent whitecaps | 1 | | | | | | | |
| 10-Apr-2019 | Wednesday | | 0 | | | | | | | |
| 11-Apr-2019 | Thursday | | 0 | | | | | 3 | 1151 | 5 |
| 12-Apr-2019 | Friday | | 0 | | | | | | | |
| 13-Apr-2019 | Saturday | choppy | 19 | 4 | | | | | | |
| 14-Apr-2019 | Sunday | | 0 | | | | | 6 | 1145 | 8 |
| 15-Apr-2019 | Monday | | 0 | | | | | | | |
| 16-Apr-2019 | Tuesday | | 0 | | | | | | | |
| 17-Apr-2019 | Wednesday | | 0 | | | | | | | |
| 18-Apr-2019 | Thursday | | 0 | | | | | | | |
| 19-Apr-2019 | Friday (Good Friday) | | 0 | | | | | | | |
| 20-Apr-2019 | Saturday | | 0 | | | | | 17 | 1134 | 22 |
| 21-Apr-2019 | Sunday | frequent whitecaps | 1 | | | | | | | |
| 22-Apr-2019 | Monday | calm/rippled | 2 | | | | | | | |
| 23-Apr-2019 | Tuesday | | 0 | | | | | | | |
| 24-Apr-2019 | Wednesday | | 0 | | | | | | | |
| 25-Apr-2019 | Thursday | | 0 | | | | | 34 | 1134 | 58 |
| 26-Apr-2019 | Friday | frequent whitecaps | 5 | | | | 1 | | | |
| 27-Apr-2019 | Saturday | choppy | 2 | | | | | 18 | 1130 | 22 |
| 28-Apr-2019 | Sunday | calm/rippled | 36 | | | | 22 | | | |
| 29-Apr-2019 | Monday | choppy | 2 | | | | | | | |
| 30-Apr-2019 | Tuesday | calm/rippled | 4 | | | | 4 | | | |
| 01-May-2019 | Wednesday | | 0 | | | | | | | |
| 02-May-2019 | Thursday | | 0 | | | | | | | |
| 03-May-2019 | Friday | | 0 | | | | | | | |
| | Totals | choppy | 23 | 1 | | | 6 | 19* | | 33* |
| | Totals | choppy | 58 | 4 | | | 22 | 14* | | 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 |
| Weekend | 17 | 9 | 153 | 0.0690 | | | 0.3790 | 11 | | | 58 |
| Midweek | 33 | 21 | 693 | 0.0430 | | | 0.2610 | 30 | | | 181 |

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

| Year | Month | Total Effort | Chinook Kept | Coho Kept | Sockeye Kept | Halibut Kept |
|----------|-------|--------------|--------------|-----------|--------------|--------------|
| 2014 | April | 919 | 218 | | | 688 |
| 2015 | April | 2373 | 482 | | | 1405 |
| 2016 | April | 1682 | 382 | | | 558 |
| 2017 | April | 984 | 268 | | | 331 |
| 2018 | April | 659 | 343 | | | 107 |
| 2019 | April | 853 | 75 | | | 278 |
| 5-Yr Avg | April | 1323 | 339 | | | 618 |

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 | 67 | 89% | 12% | 64 | 56% | 13% | 8 |

Table 6: Guided Proprtions Review.

| Data Source | Interviews / Angler Days | Guided Proportion |
|------------------|--------------------------|-------------------|
| Creel Interivews | 81 | 4% |
| iRec Anglers | 1227 | 29% |
| iRec Responses | 72 | 6% |

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

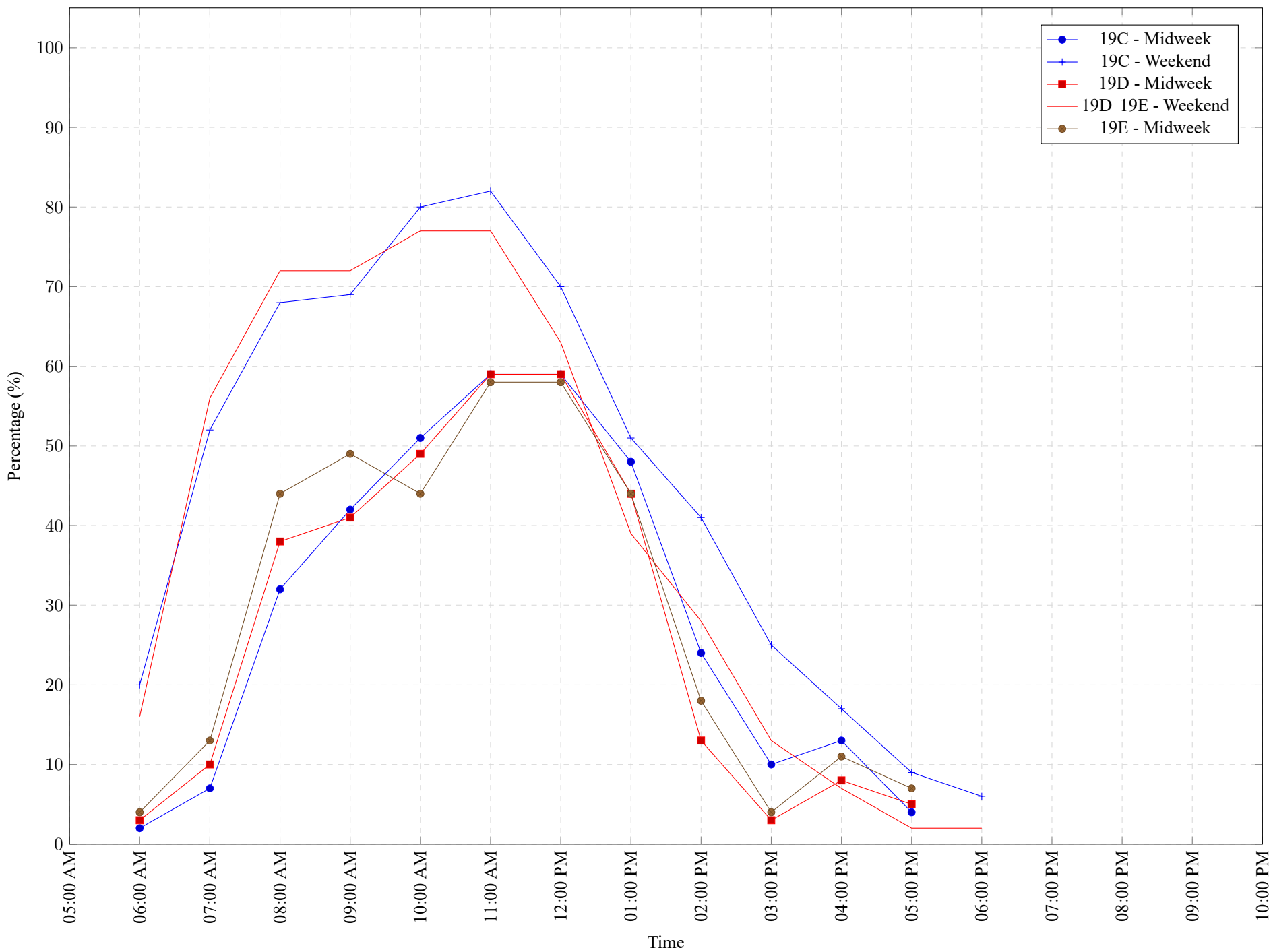


Table 7: Proportion of each day's fishing by hour.

| 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 |
|---------|----------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 19C | Midweek | 2% | 7% | 32% | 42% | 51% | 59% | 59% | 48% | 24% | 10% | 13% | 4% | 0% | 0% | 0% | 0% | 0% |
| 19C | Weekend | 20% | 52% | 68% | 69% | 80% | 82% | 70% | 51% | 41% | 25% | 17% | 9% | 6% | 0% | 0% | 0% | 0% |
| 19D | Midweek | 3% | 10% | 38% | 41% | 49% | 59% | 59% | 44% | 13% | 3% | 8% | 5% | 0% | 0% | 0% | 0% | 0% |
| 19D 19E | Weekend | 16% | 56% | 72% | 72% | 77% | 77% | 63% | 39% | 28% | 13% | 7% | 2% | 2% | 0% | 0% | 0% | 0% |
| 19E | Midweek | 4% | 13% | 44% | 49% | 44% | 58% | 58% | 44% | 18% | 4% | 11% | 7% | 0% | 0% | 0% | 0% | 0% |

Table 8: Daily Fishing Conditions.

| Date | Day Type | Cattle Point | Flemming | Jock's Dock (Crab Shack) | Pedder Bay | Sidney |
|-------------|----------|--------------|--------------------|-----------------------------|--------------------|--------|
| 29 Mar 2019 | Midweek | | | | | |
| 30 Mar 2019 | Weekend | | | | | |
| 31 Mar 2019 | Weekend | | | | | |
| 01 Apr 2019 | Midweek | | choppy | | | |
| 02 Apr 2019 | Midweek | | | | | |
| 03 Apr 2019 | Midweek | | | | | |
| 04 Apr 2019 | Midweek | calm/rippled | | | | |
| 05 Apr 2019 | Midweek | | | | | |
| 06 Apr 2019 | Weekend | | | | | |
| 07 Apr 2019 | Weekend | | | | | |
| 08 Apr 2019 | Midweek | | | | | |
| 09 Apr 2019 | Midweek | | | | frequent whitecaps | |
| 10 Apr 2019 | Midweek | | | | | |
| 11 Apr 2019 | Midweek | | | | | |
| 12 Apr 2019 | Midweek | | | | | |
| 13 Apr 2019 | Weekend | | frequent whitecaps | | choppy | |
| 14 Apr 2019 | Weekend | | | | | |
| 15 Apr 2019 | Midweek | | | | | |
| 16 Apr 2019 | Midweek | | | | | |
| 17 Apr 2019 | Midweek | | | | | |
| 18 Apr 2019 | Midweek | | | | | |
| 19 Apr 2019 | Weekend | | | | | |
| 20 Apr 2019 | Weekend | | | | | |
| 21 Apr 2019 | Weekend | | | | frequent whitecaps | |
| 22 Apr 2019 | Midweek | | calm/rippled | | | |
| 23 Apr 2019 | Midweek | | | | | |
| 24 Apr 2019 | Midweek | | | | | |
| 25 Apr 2019 | Midweek | | | | | |
| 26 Apr 2019 | Midweek | | frequent whitecaps | | | |
| 27 Apr 2019 | Weekend | | | | | choppy |
| 28 Apr 2019 | Weekend | | choppy | | calm/rippled | |
| 29 Apr 2019 | Midweek | choppy | | choppy | | |
| 30 Apr 2019 | Midweek | | | | calm/rippled | |
| 01 May 2019 | Midweek | | | | | |
| 02 May 2019 | Midweek | | | | | |
| 03 May 2019 | Midweek | | | | | |