| Area | Category | Legal Marked | Legal Unmarked | Sublegal Marked | Sublegal Unmarked | Total | Total Legal | Total Unmarked | Criteria |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5 | Estimated | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | 5,758 |  |
| 5 | FRAM | 4,034 | 1,724 | 8,686 | 3,318 | 17,762 | 5,758 | 5,042 | Legal Size |  |
|  | Difference | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! |  |  |
|  | \% | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/O! | \#DIV/0! | \#DIV/0! |  |  |
| 7 | Estimated | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! |  |  |
| 7 | FRAM | 4,177 | 1,793 | 2,823 | 1,842 | 10,635 | 5,970 | 3,635 | Total Encounters |  |
|  | Difference | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! |  |  |
|  | \% | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! |  |  |
| 9 | Estimated | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | 0 | Harvest Estimate |
| 9 | FRAM | 2,394 | 639 | 3,736 | 1,567 | 8,336 | 3,033 | 2,206 | 5,587 | Harvest Quota |
|  | Difference | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | - | \% of Catch |
|  | \% | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | Quota |  |
| 10 | Estimated | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | 0 | Harvest Estimate |
| 10 | FRAM | 5,428 | 1,049 | 6,972 | 1,984 | 15,433 | 6,477 | 3,033 | 4,743 | Harvest Quota |
|  | Difference | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | - | \% of Catch |
|  | \% | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | Quota |  |
| 11 | Estimated | 2,847 | 813 | 3,660 | 1,220 | 8,541 | 3,660 | 2,034 | 2179 | Harvest Estimate |
| 11 | FRAM | 6,122 | 889 | 6,987 | 1,716 | 15,714 | 7,011 | 2,605 | 5344 | Harvest Quota |
|  | Difference | 3,275 | 76 | 3,327 | 496 | 7,173 | 3,351 | 571 | 41\% | \% of Catch |
|  | \% | 47\% | 91\% | 52\% | 71\% | 54\% | 52\% | 78\% | Quota |  |

Preliminary In-Season Estimates of Effort and Salmon Catch (Retained and Released) from Private Boats During the Area 11 Summer Mark-selective Chinook Fishery, June 1 - September 30, 2018.

| Month | Stat Weeks | Stratum Start Date | Stratum <br> End Date | Effort |  | Retained Chinook |  | Released Chinook |  | Chinook Encounters Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Boats | Anglers | AD | UM | AD | UM |  |
| Jun | 26 | Jun-01 | Jun-03 | 644 | 1,034 | 348 | 0 | 739 | 286 | 1,373 |
|  | 27 | Jun-04 | Jun-10 | 1,039 | 1,605 | 428 | 3 | 907 | 348 | 1,685 |
|  | 28 | Jun-11 | Jun-17 | 1,072 | 1,729 | 354 | 0 | 751 | 291 | 1,397 |
| Jul | 29 | Jun-18 | Jun-24 | 1,586 | 2,565 | 538 | 5 | 1,140 | 436 | 2,119 |
|  | 30 | Jun-25 | Jul-01 | 1,259 | 2,130 | 270 | 0 | 573 | 222 | 1,065 |
|  | 31 | Jul-02 | Jul-08 | 1,540 | 2,213 | 229 | 3 | 485 | 184 | 902 |
|  | 32 | Jul-09 | Jul-15 |  |  |  |  |  |  |  |
|  | 33 | Jul-16 | Jul-22 |  |  |  |  |  |  |  |
| Aug | 34 | Jul-23 | Jul-29 |  |  |  |  |  |  |  |
|  | 35 | Jul-30 | Aug-05 |  |  |  |  |  |  |  |
|  | 36 | Aug-06 | Aug-12 |  |  |  |  |  |  |  |
|  | 37 | Aug-13 | Aug-19 |  |  |  |  |  |  |  |
|  | 38 | Aug-20 | Aug-26 |  |  |  |  |  |  |  |
| Sep | 39 | Aug-27 | Sep-02 |  |  |  |  |  |  |  |
|  | 40 | Sep-03 | Sep-09 |  |  |  |  |  |  |  |
|  | 41 | Sep-10 | Sep-16 |  |  |  |  |  |  |  |
|  | 42 | Sep-17 | Sep-23 |  |  |  |  |  |  |  |
|  | 43 | Sep-24 | Sep-30 |  |  |  |  |  |  |  |
| Season Total: |  |  |  | 7,141 | 11,276 | 2,167 | 12 | 4,595 | 1,768 | 8,541 |
| Variance: |  |  |  | 426,753 | 734,059 | 143,974 | 28 | 4,725,269 | 733,301 | 9,939,206 |
| Standard Error: |  |  |  | 653 | 857 | 379 | 5 | 2,174 | 856 | 3,153 |
| CV (\%): |  |  |  | 9.10\% | 7.60\% | 17.50\% | 44.60\% | 47.30\% | 48.40\% | 36.90\% |
| 95\% CI: |  |  |  | 5,861-8,422 | 9,596-12,955 | 1,424-2,911 | 2-22 | 334-8,855 | 89-3,446 | 2,362-14,721 |

Area 11 Selective Chinook Fishery, June 1 - September 30, 2018

## Number Chinook Encounters by Size and Mark Status in STRs

Table 2. Total Chinook encountered (retained and released) by private-boat anglers logging their trips on voluntary salmon trip reports (STRs) in the Area 11 mark-selective Chinook fishery, June 1 - Sep 30, 2018.

| Data Description | Chinook Encounters by Size/Mark Status ${ }^{11}$ |  |  |  |  | Legal-size <br> Mark Rate | Overall <br> Mark <br> Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | LM | LU | SM | SU | Total |  |  |
| Total Number Chin. Encounters on <br> STRs, June 1-September 30, 2018: | 7 | 2 | 9 | 3 | $\mathbf{2 1}$ | $77.8 \%$ | $76.2 \%$ |
| Encounter Rates (LM, LU, SM, SU) ${ }^{21}:$ | $33.3 \%$ | $9.5 \%$ | $42.9 \%$ | $14.3 \%$ | $100.0 \%$ |  |  |

${ }^{1 /}$ LM=Legal size (22 inches total length and larger) and marked; LU=Legal size and unmarked; SM=Sublegal size and marked; SU=Sublegal size and unmarked.
${ }^{2 /}$ STR-based proportions of Chinook encounters by size/mark status (LM, LU, SM, and SU; calculated from pooled Area 11 Chinook encounters on STRs) were applied to estimate total-area Chinook encounters in Area 11 from June 1 - September 30, 201i (see previous tab) using the Conrad and McHugh (2008) method.

