**Data & Calculations**

## ORIGINAL NUMBER TAGGED \_\_\_\_\_\_\_10\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **Sample #** | **# of tagged fish in sample** | **Total sample size** | **% tagged** |
| 1 | 4 | 55 | 7.3% |
| 2 | 1 | 22 | 4.5% |
| 3 | 0 | 14 | 0% |
| 4 | 2 | 47 | 4% |
| 5 | 0 | 13 | 0% |
| 6 | 1 | 35 | 2.8% |
| 7 | 1 | 20 | 5% |
| 8 | 3 | 27 | 11.1% |
| 9 | 0 | 19 | 0% |
| 10 | 0 | 22 | 0% |
| 11 | 1 | 22 | 4.5% |
| 12 | 0 | 25 | 0% |
| 13 | 2 | 29 | 6.8% |
| 14 | 2 | 26 | 7.6% |
| 15 | 1 | 23 | 4.3% |
| 16 | 0 | 8 | 0% |
| 17 | 1 | 30 | 3.3% |
| 18 | 0 | 13 | 0% |
| 19 | 0 | 35 | 0% |
| 20 | 2 | 16 | 12.5% |

**Average Percent Tagged \_\_\_\_\_3.685%\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

estimated population size: number tagged / mean of the sample percentages = \_\_\_\_\_271.37\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Actual population size = \_\_\_\_\_\_\_\_221\_\_\_\_\_\_\_\_\_\_\_\_\_

% error between actual population size and estimated population size = \_\_\_\_\_\_\_22.8\_\_\_\_\_\_\_\_\_\_\_\_\_\_



**Results from other groups: Ordered by Percent of Error from Lowest to Highest**

|  |  |  |
| --- | --- | --- |
| **# tagged** | **Number of samples** | **% error** |
| 20 | 20 | 0.5% |
| 30 | 15 | 2.5% |
| 30 | 10 | 4% |
| 10 | 20 | 7.87% |
| 20 | 15 | 8.9% |
| 30 | 10 | 9.5% |
| 10 | 15 | 11% |
| 20 | 10 | 16.2% |
| 20 | 15 | 19% |
| 10 | 20 | 22.8% |
| 20 | 20 | 27.5% |
| 10 | 10 | 31.3% |
| 30 | 20 | 32.5% |
| 30 | 15 | 124% |