Atka mackerel tagging issues:

1. Model added natural mortality for tagged fish
2. Reporting rate by vessel (sea fisher versus rest of fleet), Need to break out data by vessel
3. Incorporating length data to account for exits

# Organization of data

## For reporting rate

Look at processing mode—are there experiments where it’s known that heading was occurring versus not

Vessel number | Trial/haul | number seeded | number found

|  |  |  |
| --- | --- | --- |
| **Year** | **Headed & gutted.** | **Wholefish/foodfish.** |
| 1992 | 21,938 | 11,531 |
| 1993 | 34,978 | 14,100 |
| 1994 | 31,722 | 8,078 |
| 1995 | 46,891 | 6,462 |
| 1996 | 63,641 | 16,719 |
| 1997 | 36,311 | 6,844 |
| 1998 | 35,990 | 4,870 |
| 1999 | 36,131 | 10,103 |
| 2000 | 36,868 | 2,920 |
| 2001 | 42,129 | 5,021 |
| 2002 | 30,406 | 3,270 |
| 2003 | 34,229 | 7,130 |
| 2004 | 40,863 | 5,001 |
| 2005 | 54,619 | 891 |
| 2006 | 53,674 | 2,569 |
| 2007 | 53,566 | 517 |
| 2008 | 49,250 | 2,890 |
| 2009 | 61,202 | 3,663 |
| 2010 | 62,035 | 2,151 |
| 2011 | 44,931 | 5,071 |
| 2012 | 40,185 | 5,432 |
| 2013 | 19,127 | 2,907 |
| 2014 | 3,599 | 411 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Headed&gutted** | **Wholefish/foodfish.** | **GrandTotal** |
| JAN | 99,165 | 790 | 99,955 |
| FEB | 186,404 | 11,141 | 197,545 |
| MAR | 104,650 | 23,997 | 128,647 |
| APR | 79,258 | 15,879 | 95,137 |
| MAY | 32,064 | 6,190 | 38,254 |
| JUN | 16,102 | 5,010 | 21,112 |
| JUL | 38,545 | 8,669 | 47,215 |
| AUG | 24,951 | 13,469 | 38,420 |
| SEP | 217,458 | 26,106 | 243,564 |
| OCT | 124,379 | 13,916 | 138,296 |
| NOV | 10,509 | 3,104 | 13,613 |
| DEC | 798 | 279 | 1,077 |
| **GrandTotal** | **934284.185** | **128550.42** | **1,062,835** |

Double versus single tags

Reporting rate issues:





Steps to complete tables:

1. Correct data from file S sent
2. Check days elapsed
3. Correct retention rates for 2011 vs all
4. Correct the code to do the reporting rate by event