

# Tobin Harbor Brook Trout Report

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## Introduction

Brook trout are important. Isle Royale is a fun place to sample fish.

## Methods

We electrofished. Caught and aged fish. Used a catch curve analysis to estimate the instantaneous mortality rate.

## Results

A total of 623 brook trout were captured. The maximum catch of 201 occurred at age-1. The instantaneous mortality computed for ages 1 to 5 was 0.273 with a 95% confidence interval from 0.189 to 0.357 (Figure 1).

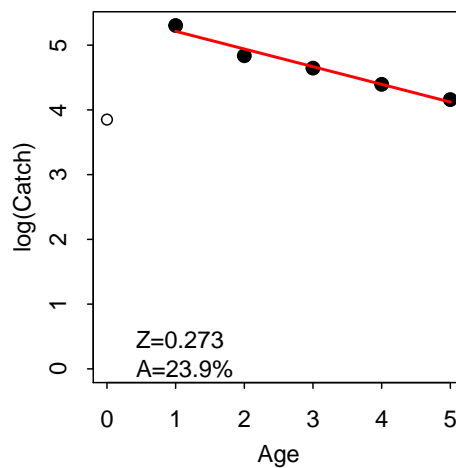


Figure 1. Log catch versus age for Tobin Harbor Brook Trout, with the ages used for estimating  $Z$  shown.

## Discussion

We did great work.

# Reproducibility Information

## Version Information

- **Compiled Date:** Thu Dec 05 2013
- **Compiled Time:** 2:09:41 PM

## R Information

- **R Version:** R version 3.0.2 (2013-09-25)
- **System:** Windows, i386-w64-mingw32/i386 (32-bit)
- **Base Packages:** base, datasets, graphics, grDevices, methods, stats, utils
- **Other Packages:** FSA\_0.4.2, knitr\_1.5.12
- **Loaded-Only Packages:** bitops\_1.0-6, car\_2.0-19, caTools\_1.16, cluster\_1.14.4, evaluate\_0.5.1, formatR\_0.10, gdata\_2.13.2, gplots\_2.12.1, grid\_3.0.2, gtools\_3.1.1, Hmisc\_3.12-2, KernSmooth\_2.23-10, lattice\_0.20-24, MASS\_7.3-29, multcomp\_1.3-1, mvtnorm\_0.9-9996, nlme\_3.1-113, nnet\_7.3-7, plotrix\_3.5-2, quantreg\_5.05, rpart\_4.1-3, sandwich\_2.3-0, sciplot\_1.1-0, SparseM\_1.03, splines\_3.0.2, stringr\_0.6.2, survival\_2.37-4, tools\_3.0.2, zoo\_1.7-10
- **Required Packages:** FSA and its dependencies (car, gdata, gplots, Hmisc, knitr, multcomp, nlme, plotrix, quantreg, sciplot)