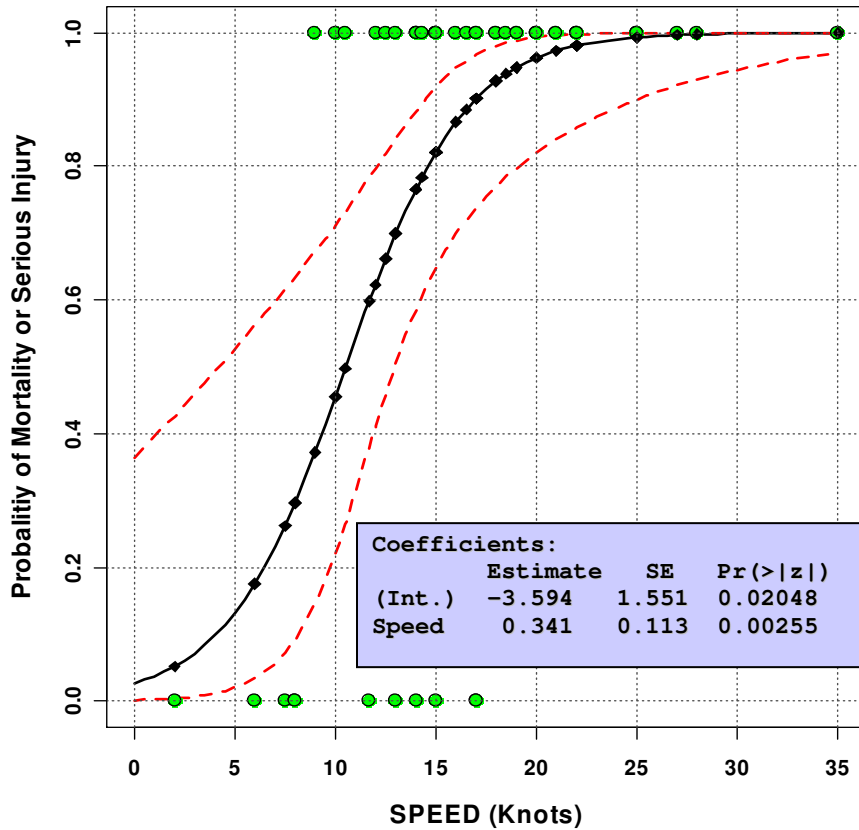


## Appendix III: Relationship Between Ship Speed and Whale Mortality



**Figure 1 (left).** Calculations by NOAA scientists Richard Pace and Gregory Silber show that the probability of whale death or serious injury increases rapidly with increasing ship speed. NOAA predicts a 90% chance of death or serious injury in whales struck by ships traveling at 17 knots, but only a 50% chance at 10.5 knots.

**Figure 2 (bottom).** Council of Economic Advisers staff concluded that the relationship between whale mortality and ship speed is not as strong as is suggested by career NOAA scientists and independent, peer-reviewed publications. A NOAA review described this analysis as “biased.”

