## Exercise - K-Pass Removal

Answer the following questions with R code by creating (and editing if you make a mistake) an R script and iteratively running the code in RStudio.

- 1. In one reach of the Little Stawamus Creek (British Columbia), Decker et al. (1999) had the following removals of Coho Salmon (Oncorhynchus kisutch) in three passes 107, 62, and 17. Use this information to estimate the initial population size (with the Carle-Strub method) as well as the probability of capture (with appropriate 95% confidence intervals).
- 2. Schnute (1983) recorded the number of Brook Trout (Salvelinus fontinalis) removed in passes in two streams in the the Nashwaak Experimental Watersheds Project (Canada) on multiple dates. The data are recorded in **BrookTroutNEWP.csv**. Use this information to estimate the initial population size (with the Zippin method) and probability of capture (with appropriate 95% confidence intervals) for each stream, section, and date combination.