



Overview of River Herring Extinction Risk Analysis Workshop

- Public workshop held on July 10th with the working group meetings held July 11-12th
- Workshop discussions:
 - Endangered Species Act (ESA) and NMFS response process to petitions under the ESA
 - Overview of Stock Structure Workshop
 - ASMFC assessment report, data, models, and findings;
 - Extinction Risk Analysis (ERA) differ depending on data
 - Panel presentations on potential models to use for an ERA for river herring



Overview of River Herring Extinction Risk Analysis Working Group Discussions

- Available data sets for both species rangewide
 - NEFSC coastwide trawl survey
 - YOY indices
 - Various state coast surveys
- Available data sets for both species by area for genetically unique groups as identified through the stock structure workshop
 - Run counts
 - Trawl surveys
 - YOY indices



Working Group Discussions (cont.)

- Models that may work for alewife and blueback herring using coastwide data for entire range
 - MARSS Package in R (R package for fitting linear Multivariate Auto-Regressive State-Space Models)
 - Model used on the West Coast for ERA
 - NEFSC trawl survey (Spring, Fall, and Winter)
 - Dennis Model
 - Run Dennis Model on each survey separately for probabilities of extinction



Working Group Discussions (cont.)

- Models that may work for genetically unique groups
 - MARSS Package in R
 - Data sets together
 - Dennis Model
 - Individual data sets

Both models project out varying timeframes in order to determine potential probabilities of extinction