



# **D8 Multi Regional Social Accounting Matrix (SSC Only)**

February 2020 Council Meeting

## **Action Memo**

Council Staff: Anna Henry  
Other Presenters: Dr. Chang Seung (AFSC), Scott Miller (AKRO)  
Action Required: Review model for use in future analyses

### **BACKGROUND**

NMFS Alaska Fisheries Science Center (AFSC) and Alaska Regional Office (AKRO) economists developed a Multi-Regional Social Accounting Matrix (MRSAM) model to estimate regional economic effects of proposed fishery management actions. The model is designed to consider a change in the value of fish caught by species or by vessel type and calculate the economic impacts on industry output, employment, value added, household income, and state and local government revenue, all for each of three U.S. regions – Alaska, West Coast, and the rest of United States. Due to data constraints, the model calculates only state-level (i.e., the entire State of Alaska) impacts, and does not, at this time, provide sub-state impacts such as the impacts on boroughs and census areas or cities/communities. A web application allows users to apply the model to a given change in fisheries value and compute the resulting impacts. A technical memo describing the specifics of the model and a user's manual providing step-by-step instructions for using the web application are also provided. The SSC requested to review the model for potential use in future Council analyses.