OBJECTIVES

The objective of this study is to enhance a multilevel and multiobjective programming model (developed by Pan et al. 2001) to evaluate the economic impacts of recent sea turtle conservation policies in the Hawaii longline fishery. The K-P model has some limitations as a forecast model and operating tool. The objective of this study is to develop a new model that can provide a better forecast and control tool for the Hawaii longline fishery. We have developed a methodology that can evaluate the economic impacts of various policies on the longline fishery. This methodology is implemented in a simulation model that can simulate various policies and their impacts on the longline fishery.