**projections.r**

**Purpose**  This function makes the biomass projections for the following year based on the full model run results and various TAC possibilities. This needs to be run before the decision table function is run as this contains the projection information needed in the decision table.

**Version Control**  Likely several version of this kicking around, but as always this is the best…

**Required packages** None

**Locally Derived Functions** None

**Section 1**

Takes the model run parameters and projects the biomass and exploitation rate for the following 2 years. The catch from the end of the survey to the start of the calendar year is included here to properly adjust the biomass the following year. The model also projects a second year which assumes no fishing mortality in that second year so the 2 year projection itself is an odd number. But this projection is important as it is taken by the decision table an exploitation rate is assumed and projections 2 years out based on various harvest scenarios is generated.

***Argument(s)***

1. model.out The model run results
2. C.p The projected catch from the start of the survey year (i.e. September for

GBa, July for BBn) to the end of a calendar year. If a second value is specified this is just a second catch scenario to look at. The Default = c(200,300)