**fit.plt.r**

**Purpose**  This function is used to show the fit of the model to the actual data for Biomass, Recruits, and CPUE.

**Version Control**  Likely several versions of this exist, but this version rules them all

**Required packages** None

**Locally Derived Functions** None

**Section 1**

Takes the results of a model run and compares the actual data with the model results. The plots include fully recruited biomass, recruit biomass, and CPUE (if it was calculated). The standard errors (based on CV’s) can be added to the plot, but this has been supressed for CPUE as they error bars aren’t legit. Credible intervals can also be added to the biomass figures. There is also an option to “adjust” the CPUE and biomasses, default for both is 1, I suggest this doesn’t change until someone can suggest what the purpose of these adjustments could be.

***Argument(s)***

1. data.out The model output. Default = missing, must be supplied
2. name An optional name to give the plot output. Potentially useful for saving

test runs. Default = ""

1. years The years of interest, thismust align with the model years. Default =

missing, must be supplied

1. CI Plot the confidence intervals: (T/F) default = F
2. CV Using the Coefficient of variation plot the standard error. (T/F) default = F
3. Iadj Determines whether the survey biomass is in bank biomass or

biomass/tow. Default=1 gives bank biomass I am not sure what you would enter to get the biomass/tow (the obvious division by # of tows doesn't actually make sense)

1. Uadj Some sort of adjustment to CPUE, not sure what values this could take.

Default=1

1. graphic Where to plot the figures. Options are 'screen' (default) and 'pdf'
2. ymaxB Maximum y value for fully recruited biomass. Default is missing
3. ymaxR Maximum y value for recruit biomass. Default is missing
4. alpha Default =0.05
5. path Path to save if producing a pdf, default = ""
6. wd The width of the figure, default = 8.5
7. ht The height of the figure, default = 11