

## Change Log for FishGraph Functions

Date	Routine changed	By	Ver	Changes
10 Oct 2007	landings.plots	MHP	1.0	Revised so that observed data plot with circles, predicted with lines only (per FishGraph defaults).
26 Nov 2007	F.time.plots	MHP	1.01	Fixed errors when draft = FALSE.
26 Nov 2007	BSR.time.plots	MHP	1.02	Fixed error in which titles were drawn even with draft = FALSE.
1 Oct 2008	CLD.total.plots	MHP	1.03	Bug fixed in axis labeling (units)
26 Aug 2009	Index.plots	MHP	1.04	Bug fixed trying to make pairs plot when only one index
26 Aug 2009	F.time.plots	MHP	1.04	Bug fixed trying to make stacked barplot when only one index
26 Aug 2009	Selectivity.plots	MHP	1.04	Added plot.points option
26 Aug 2009	Comp.yearly.plots	MHP	1.04	Revise manual to explain data elements for N and N(eff). When N(eff) is printed or plotted, default is now to use values stored with data. Internal computation still possible through an option.
9 Sep 2009	fgsupport	MHP	1.05	Improve error message when row names are generated.
9 Sep 2009	PerRec.plots	MHP	1.05	Fix bug so that units of measure are printed correctly.
9 Sep 2009	CLD.total.plots	MHP	1.05	Fix so function works (though useless) with only one fishery.
9 Sep 2009	Selectivity.plots	MHP	1.05	Add error message when (e.g.) sel.age is found but no matrices or vectors under it to plot.
28 Oct 2015	Comp.plots	KWS, RTC	2.0	Option for Pearson residuals, in place of angular deviations. Creates plots of pooled compositions
28 Oct 2015	Growth.plots	KWS	2.0	Fixed the <i>plot.all</i> feature (plots every column in x\$a.series)
28 Oct 2015	PerRec.plots	KWS	2.0	Added option for F.references
28 Oct 2015	EqRec.plots	KWS	2.0	Renamed Eq.plots Searches for components SSB.eq, B.eq, etc. (i.e., requires *.eq extension) Added option for F.references Added plots of B.eq v L.eq and B.eq v D.eq
28 Oct 2015	StockRec.plots	KWS	2.0	Removed S v logR plot Added S v log(R/S) plot Modified legend when bias-correction is used Option for time trajectory overlay (added by default)
28 Oct 2015	CLD.total.plots	KWS	2.0	Option for horizontal reference lines
28 Oct 2015	NFZ.age.plots	RTC	2.0	Added bubble plots of N at age and B at age, both with overlay of average values through time Same for landings and discards if plot.CLD=TRUE
28 Oct 2015	BSR.time.plots	KWS	2.0	Option for horizontal reference lines. Previously, MSY references were hardcoded. Now, they are the default, but can be replaced with user-defined references (e.g., SPR quantities), or removed altogether. MSST not required, reference added to SSB plot only if found
28 Oct 2015	Index.plots	KWS, EHW	2.0	Removed the bar plot and paired scatter plots of residuals Option for error bars ( $\pm 2$ SEs) on observed values Option for residual diagnostics Option for curve from different time blocks to be on the same plot
28 Oct 2015	F.time.plots	KWS	2.0	Option for user-defined F metrics (e.g., apical F) An extension of *.ratio alerts FishGraph that the metric is a relative measure (e.g., F.apical/F40).

28 Oct 2015	Cohort.plots (new)	KWS, EHW	2.0	Plots saved in compyr folder
28 Oct 2015	Parm.plots (new)	KWS, EHW	2.0	Plots saved to parms folder
28 Oct 2015	Bound.vec.plots (new)	KWS, EHW	2.0	Plots saved in boundvecs folder Searches for parm.tvec and parm.avec components
28 Oct 2015	Phase.plots (new)	KWS	2.0	Plots saved in phase folder Creates phase plots of stock and fishery status, with user-defined time series and user-defined threshold references SSB and F.full are default time series Fmsy and MSST are default references
28-Oct-2015	Comp.yearly.plots	KWS	2.0	Removed "Neff/N" from panel annotation Removed "print.angle" option Set default: compact = True