**Purpose:** Simple plot of time series of Abundance or Biomass for commercial, recruit and pre-recruit scallops. Each class gets it’s own panel.

**Version Control:** Multiple versions exist, usually duplicates of each other but no guarantees.

**Required packages**:

**Function Arguments Summary**

1. **shf**: The shell height frequency data
2. **years**: The years to run across. default = 1981:2008
3. **Bank**: The bank to choose. Used for path for output file only so doesn't matter if pdf = F

Default = 'GBa'

1. **type**: Do we want to plot the Abundance (N) or biomass (B). Default = "N"
2. **pdf**: Save plot as a pdf. (T/F) default=F
3. **plots**: Which size classes should be printed. Default = c('pre','rec','com'), any combination of

these is acceptable: "pre" = pre-recruits, "rec" = recruits, "com" = commercial

1. **CS**: Commercial size. Default = NULL
2. **RS** Recruit size. Default = NULL
3. **clr**: Color for the data. Default=c(1,1)
4. **cx**: Plot magnification. Default =1
5. **pch**: Symbol used for points. Default = 1:2
6. **lty**: The line type. Default = 1:2
7. **wd**: Width of plot window. Default = 10
8. **ht**: Height of plot window. Default = 8
9. **Npt**: Are the data Numbers (Biomass) per tow or total numbers (Biomass). Default is Npt = T

so numbers(biomass) per tow.

1. **se**: Plot the standard errors. This is only correct if Npt = T. (T/F) Default = F
2. **ys**: Scaling for maximum of y axis. Default = 1
3. **yl2**: y axis upper limit. when Npt = T specify as Number per tow, or Biomass(kg) per tow

when Npt = F specify as tonnes or total numbers (millions). Default is missing and calculated from data.

1. **ymin**: minimum for y axis. Default = 0
2. **dat2** A second dataset used in SE calculations. Default = NULL
3. **areas** A numeric vector of area sizes. Default = NULL
4. **ypos** Picks the year above which we want to add text to the plots. Default = 1 which gives

nice results generally

1. **add.title**: Add a title to the plot? (T/F) default = F.
2. **cx.mn**: Magnification of title plot. Default = 1.
3. **titl**: The title name. Default is blank.
4. **axis.cx**: The axis magnification. Default = 1

**Section 1**

Simple plot of time series of Abundance or Biomass for commercial, recruit and pre-recruit scallops. Each class gets it’s own panel. You can’t plot both abundance and biomass at once.

**Function Index**

%in%

abline

axis

c

dev.off

function

if

is.null

length

max

min

mtext

names

paste

par

plot

points

pdf

rep

segments

subset

sum

text

windows