Shelf Data Project Metadata

Last updated: April 23, 2015

#Data Definitions:

```
browseURL('https://github.com/BKreakie/shelfData/blob/master/shelfData20150423.Rmd')
```

The data can be loaded into R with the following code: ************ #Get the Data

```
library(RCurl)
x<-getURL("https://github.com/BKreakie/shelfData/blob/master/modern_04212015.csv")
modernData<-read.csv(text=x)

x<-getURL("https://github.com/BKreakie/shelfData/blob/master/historic_04212015.csv")
historicData<-read.csv(text=x)
```

Shelf Data: This work is based on two main data sets that were collected by two different sampling effort. The historic data was collected between 2000 and 2005 and had few variables measures. The modern data was

'historic_04212015.csv': 235 obs. of 16 variables: NOTE: some missing values

'modern_04212015.csv': 209 obs. of 31 variables: NOTE: some missing values

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Modern Data

Field	Definition
FID_	Sample identifier
Cruise	ID for NOAA sampling cruise
month	Month in which the sample was collected
year	Year in which the sample was collected
Station	ID for NOAA sample location
position	Whether sample was collected at the 'Surface (Surf)' or 'Deep'
lat	Latitude
long	Longitude
d15N	Mean stable isotope measure for nitrogen
d13C	Mean stable isotope measure for carbon

Field	Definition
iso	Filtered for iso (ml)
Chl	Chlorophyll (flo-thru)
discreteCh	Chlorophyll (discrete)
NO3	Nitrate
NO2	Nitrite
sumN	Total of summed nitrate and nitrite
PO4	Phosphate
NH4	Ammonium (dropped from anaylsis due to contamination)
distMeters	Distance (in meters) from sample point to any land
PN	Particulate Nitrogen
Season	season of the year based on month sampled
temp	Surface tempture
sal	Salinity
nearLand	Distance (in meters) from sample point to coast line
densityLar	Density of population centers based on large radius
densitySma	Density of populatation centers based on small radius
Ches	Euclidead distance to Chesapeake Bay (centroid)
Del	Euclidead distance to Delaware bay
Hud	Euclidead distance to Hudson Bay
LI	Euclidead distance to Long Island Sound
Nar	Euclidead distance to Narragansett Bay
Bos	Euclidead distance to Boston Harbor

Historic Data

Field	Definition
FID_	Sample identifier
month	Month in which the sample was collected
year	Year in which the sample was collected
lat	Latitude
long	Longitude
d15N	Mean stable isotope measure for nitrogen
d13C	Mean stable isotope measure for carbon
distMeters	Distance (in meters) from sample point to any land
nearLand	Distance (in meters) from sample point to coast line
densityLar	Density of population centers based on large radius

Field	Definition
densitySma	Density of populatation centers based on small radius
Ches	Euclidead distance to Chesapeake Bay (centroid)
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