

EcomonStrata\_v4.dbf, EcomonStrata\_v4.shp, EcomonStrata\_v4.shx

ECOMON shapefiles created from Matlab Structure file using shapewrite  
Version 4, created 08June2012 by HJW

There currently are 47 ECOMON strata used to randomly select plankton stations from Cape Hatteras, North Carolina, to Cape Sable, Nova Scotia. These strata comprise 4 regions: Mid-Atlantic Bight, Southern New England, Georges Bank, and Gulf of Maine. An additional 59 strata were created to encompass sampling from past programs and potential future sampling work along the entire US east coast. These strata extend from Miami, Florida to the Scotian Shelf, and off the shelf edge out to 3000-m of depth.

Naming of the strata is numeric from 1 to 106, except for two strata that are split into two polygons. Strata 38 and 48 are split and the names were changed to distinguish the east and west polygons.

381 = 38 east

382 = 38 west

481 = 48 east

482 = 48 west

Therefore there are 108 total polygons.

Variables in the Strata listed below.

Geometry = polygon

BoundingBox = Bounding box of the polygon

X = Longitude, decimal degrees

Y = Latitude, decimal degrees

Name = Strata number

NumofPoly = Number of polygons that make up the strata, 1 or 2

NumofSta = Number of plankton stations sampled in the strata for current ECOMON program

Region = Strata groupings, MAB = Mid-Atlantic Bight, SNE = Southern New England, GB = Georges Bank, GOM = Gulf of Maine, NS = Scotian Shelf (Nova Scotia), CC = Carolina Capes (North Carolina), SC/GA = South Carolina / Georgia, EF = East Florida

Area = Area of strata, km<sup>2</sup>, Note area reported for 381 and 382 is the same, and equals total for the two polygons combined (same for 481 and 482)

Type = Strata description, C = coastal, IS = inner-shelf, MS = mid-shelf, SB = shelf break, Bank = bank, Off = off-shelf, Basin = deep basin

