**Purpose:** Area calculations for contour.gen.r family of functions.

Notes:

* The ‘km’ used for the area calcs is the first two latitudes of the data object multiplied by 111.2. Why these two points of latitude and what is the 111.2 conversion?
* The width here is different from that we'd use for a survey, and does this align with what we do inshore? This is correct for offshore but if we use this code for other data this could be bad.

**Version Control:** Likely many versions of this function

**Libraries**:, splacns

**Function Arguments Summary**

1. **strata.dat**: The data, a vector of Z values.
2. **strata.def**: The strata boundaries. Default = c(0,5,10,20,40)
3. **units**: The value of the units. Default = 'km2' which is total area. Optionally can be "towable' which divides by area of an individual tow.

**Section 1**

Simple function to calculate the area for the offshore strata. See notes above for a couple of concerns about the calculations.

**Function Index**

for

function

If

is.na

length