# Inclusion Percent/Inclusion Area

Sites will need to evaluate if they need to migrate settings from AWIPS-1 for "inclusion percent" and/or "inclusion area".  These settings are there basically to prevent a county from being included in a warning do to a tiny portion of the county being touched by a polygon.

In AWIPS-2, the files that control this are geospatialConfig\_COUNTY.xml, geospatialConfig\_MARINE.xml and geospatialConfig\_ZONE.xml.  These files can be found in the Localization Perspective in D2D -> Warngen.  All of these files contain "areaSource" definitions that control the inclusion of the various geographic entities.  In each file, the \*first\* areaSource is the one that controls the primary geographic entity for that type (i.e. Counties for COUNTY, Zones for ZONE).  Within those definition are three variables that control whether or not a particular entity is included in the hazard...

<inclusionPercent>

<inclusionArea>

<inclusionAndOr>

<inclusionPercent> - Percentage (0-100) of an entity that must be included in a polygon to be included in a hazard product.

<inclusionArea> - Number of square miles of an entity that must be included in a polygon to be included in a hazard product.

<inclusionAndOr> - Flag to determine if **either**or **both** of the above must be met for inclusion.  If this is set to **AND** (the default) then both of the above must be true for a county to be included.  With this flag set to **AND**, you only need to set one of the above variables to stop counties from being included when barely touched by a polygon.

Override the geospatialConfig\_\* files at the site level to make necessary changes.