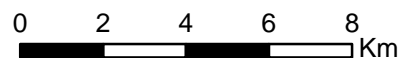


Tutuila Island BPI Structures
 5 m grid cell size
 NOAA Coral Reef Ecosystem Division
 Pacific Islands Benthic Habitat
 Mapping Center
NOT FOR NAVIGATION

Universal Transverse Mercator
 Projection Zone 2S,
 Ellipsoid: WGS84



Bathymetric Position Index (BPI) Structures are derived from two scales of a focal mean analysis on bathymetry; slope; and depth. After testing 10 experimental combinations, the two scales of BPI (20 & 250) were chosen based on distance across predicted reef structures as seen in the bathymetry (also after Lundblad et al. 2006). Three ranges of slope defined flats, slopes, and near vertical: $x < 5$; $5 < x < 70$; $x > 70$. Depth alone, in this case, is added only to separate flat structures into shelf (<30 m) and broad flat (>30 m) environments (depths based on SCUBA limits).

