

145°30'E

145°35'E

145°40'E

145°45'E

15°5'N

15°5'N

15°N

15°N

14°55'N

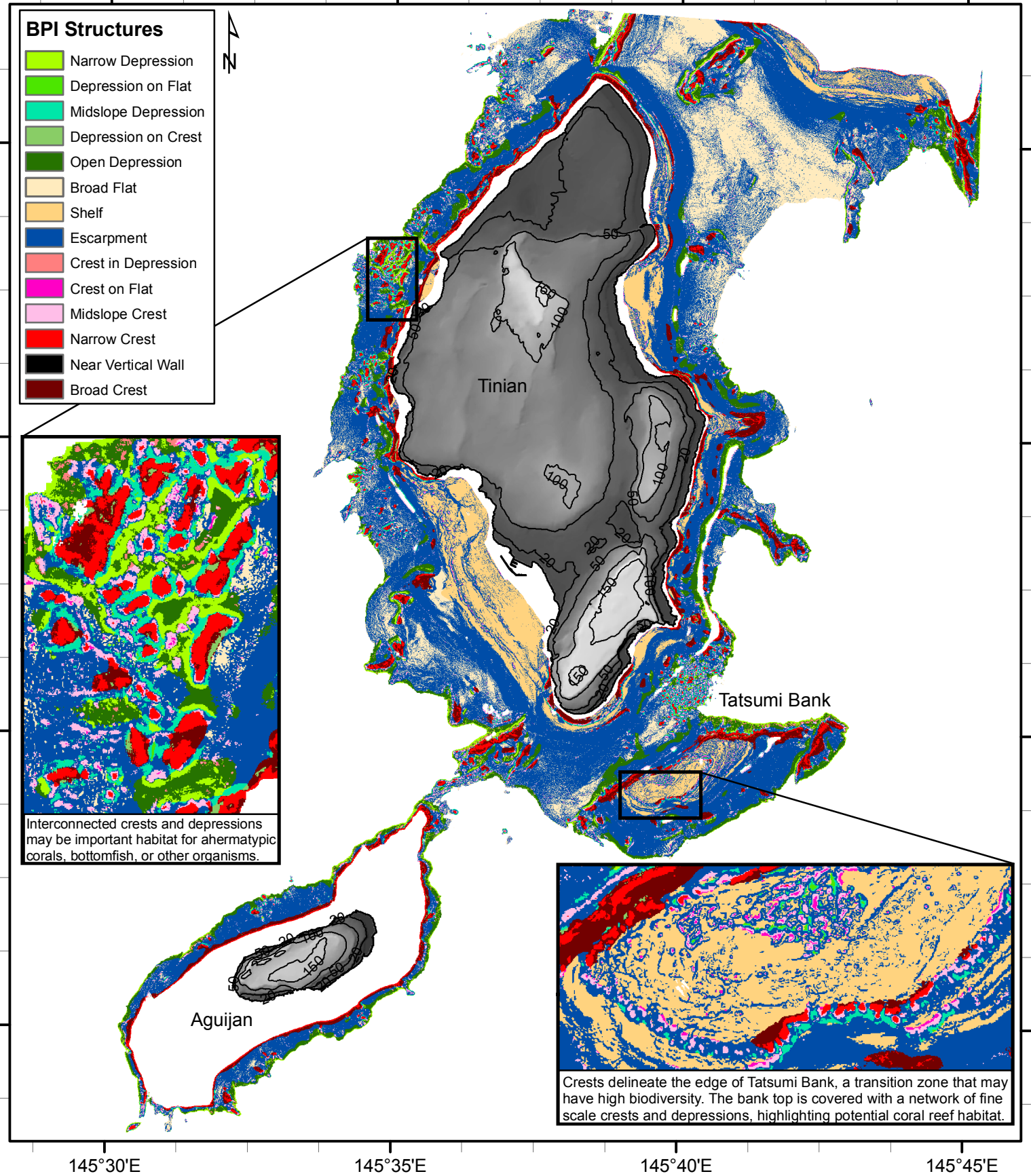
14°55'N

14°50'N

14°50'N

BPI Structures

- Narrow Depression
- Depression on Flat
- Midslope Depression
- Depression on Crest
- Open Depression
- Broad Flat
- Shelf
- Escarpment
- Crest in Depression
- Crest on Flat
- Midslope Crest
- Narrow Crest
- Near Vertical Wall
- Broad Crest



Interconnected crests and depressions may be important habitat for ahermatypic corals, bottomfish, or other organisms.

Crests delineate the edge of Tatsumi Bank, a transition zone that may have high biodiversity. The bank top is covered with a network of fine scale crests and depressions, highlighting potential coral reef habitat.

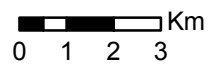
Tinian and Aguijan Islands, & Tatsumi Bank BPI Structures

5-m grid cell size

NOAA PIFSC Coral Reef Ecosystem Division Pacific Islands Benthic Habitat Mapping Center

NOT FOR NAVIGATION

UTM, Zone 55N, WGS84



Tinian, Aguijan and Tatsumi Bathymetric Position Index (BPI) Structures are derived from two scales (50 and 250) of a focal mean analysis on bathymetry and slope to predict reef structures. Shelves are defined here as those at depths above -100m while broad flats are found below -100m. These definitions are based on a bathymetric drop off outside the harbor and at the edge of Tatsumi Bank. Grayscale elevation data, in meters, are courtesy of the USGS. See metadata for more information.

