



Volcanic basement topography (elevation range)

This map shows the elevation of the upper surface of the basement volcanic units that underlie the northern Guam limestone plateau. The basement elevation is highly significant because the basement surface guides the movement of groundwater and separates the NGLA into subsurface drainage basins. The source of the geospatial information is the 2013 volcanic basement map, an update of the original 1982 map produced by the Northern Guam Lens Study (CDM, 1982). The work on updating the map utilized geophysical and drilling data to correct and refine the understanding of basement topography and improve the map; see WERI Technical Report #141 (Bendixson, 2013). Details on the methodology used, content, and applications of the map can be found in WERI Technical Report #142 (Vann et al., 2013).



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