



Surface geology

This is a detailed geologic map of southern Guam, showing all the recognized stratigraphic units: formations, members, and facies. The map is based on the newest geologic map of Guam by Siegrist, H.G. and Reagan, M. (2008), who updated and revised the original Geologic Map of Guam by Tracey et al. (1964). Reinterpretation and revision of the map utilized a wealth of new data, including radiometric dating of selected volcanic rocks and a thin-section study of new limestone specimens. The work resulted in a single 1:50,000-scale map, as well as nine 1:24,000 scale maps, corresponding to the USGS 7.5-minute quadrangles that cover the island of Guam. The maps were published in early 2008 and were scanned, georeferenced, and digitized to produce GIS shapefiles.

Facpi Formation
 Alutom Formation
 Mahlac Member

Umatac Formation

Dandan Flow Member
 Bolanos Pyroclastic Member
 Schroeder Flow Member
 Geus River Member

Maemong Limestone
 Alifan Limestone
 Talisay Member
 Bonya Limestone
 Janum Limestone
 Barrigada Limestone
 Tarague Limestone
 Merizo Limestone
 Beach Deposits
 Aluvium
 Artificial fill

Mariana Limestone

Reef Facies
 Phosphorite Facies
 Molluscan Facies
 Halimeda Facies
 Fore-reef Facies
 Detrital Facies
 Hagåtña Argillaceous Member



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This map is for awareness and educational
 purposes only. It contains no authoritative positional
 or other information. See the full disclaimer at
www.south.hydroguam.net/disclaimer.html



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