



**EXPLANATION**

Qr	Deposits of Recent age Emerald limestone, beach, marshland, storm wash, and artificial fill
Qm	Miscellaneous deposits of Pleistocene and Recent age Alluvium, clay wash, mass waste deposits, and younger terrace deposits
Qta	Tanapag limestone Raised fringing reef-limestone, below elevation of 100 feet
Qc	Post-Mariana terrace deposits Reworked, quartz-rich, buffaceous sands and gravels between elevations of 100 and 500 feet
Qm	Mariana limestone Includes classic and reef-limestone, Halimeda-rich, <i>Acropora</i> -rich, and argillaceous rubble facies
Tt	Older terrace deposits Reworked, argillaceous, locally quartz- rich buffaceous sand and gravel be- tween elevations of 500 and 710 feet
Tt	Tagapochau limestone Includes inequigranular, equigranular, rubble, marly, buffaceous and transitional carbon- ate facies, and differentiated limestone; Tm, Machapi conglomerate member; Td, Domo sandstone member; <i>Solenastrea</i> zone, and locally thick residual clays
Tt	Fine-Sinu formation Interlayered andesitic marine tuffs, and perlitic flows; Tt, separately mapped facies
Tm	Mariana limestone Includes white, spargingly foraminiferal, clastic limestone; pink, with foraminif- eral clastic limestone; and limestone- volcanic conglomerate
Td	Domo sandstone formation Includes marine transitional rocks and volcanically derived conglomerates, buff- aceous sandstones that are mostly mar- ine, and breccias
Th	Hagman formation, showing thicker flow rocks Includes andesitic conglomerates and buffaceous sandstones that are mostly marine; andesitic breccias and tuffs; Tt, thicker andesite flow rocks
Ts	Sankakuyama formation Includes dacitic tuffs, vitrophyric and perlitic dacite breccias; Td, unre- lated dacite flow rocks

**EXPLANATION FOR INTERPRETIVE COLUMNAR SECTION**

Qr	Calcareous gravel and sand in elevated moats
Qc	Recently emerged limestone
Qm	Alluvium
Qta	Clay wash
Qc	Younger terrace deposits
Qm	Tanapag limestone
Qc	Post-Mariana terrace deposits
Qm	Mariana limestone
Qm	Halimeda-rich facies
Qm	Acropora-rich facies
Qm	Dobby facies
Tt	Older terrace deposits
Tt	Tagapochau limestone
Tt	Inequigranular facies
Tt	Equigranular facies
Tt	Rubble facies
Tt	Marly facies
Tt	Buffaceous facies
Tt	Transitional facies
Tt	Machapi conglomerate member
Tt	Domo sandstone member
Tt	Fine-Sinu formation
Tt	Interbedded tuff and flows
Tt	Andesite flow rock
Tm	Mariana limestone
Tm	White facies
Tm	Basal transitional facies
Tm	Domo sandstone formation
Tm	Clastic conglomerate facies
Tm	Quartz-poor sandstone facies
Tm	Clastic facies
Tm	with abundant free quartz
Tm	Breccia facies
Tm	Hagman formation
Tm	Clastic conglomerate facies
Tm	Reef-frag facies
Tm	Andesite flow rock
Tm	Sankakuyama formation
Tm	Mixed dacite pyroclastic
Tm	Dacitic tuff
Tm	Suphyroclastic
Tm	Andesite flow rock
Tm	Perlitic

**GLOSSARY**  
(Approved geographic names are entirely in the Chamorro language as on this map. The following transitions provide cross-reference to the text where the generics are in English)  
Katan=north  
Liallan=south  
Hagai=lake  
Kanal=river  
Laderan=cliff or cliffs  
Ogo=mount, mountain, hill, ridge  
Sabaan=grasslands (mostly swordgrass)

**INDEX MAP SHOWING AREAS OF RESPONSIBILITY**

**GENERALIZED GEOLOGIC MAP AND SECTIONS OF SAIPAN, MARIANA ISLANDS**  
Scale 1:21,680  
Contour interval 100 feet  
Datum is mean sea level

Geology by Preston E. Cloud, Jr., Robert George Schmidt, and Harold W. Burke, 1948-49. Paleontological field control by W. Storrs Cole