



Horblende porphyry
Dark-colored rock characterized by hornblende phenocrysts as much as 25 millimeters in length

Pyroxene diorite
Melting gray to pinkish gray fine-grained intercrystalline rock composed chiefly of plagioclase and pyroxene

Geological Map of the Cerro La Tuza Area

Legend:

- Un differentiated intrusive rock**
Light-colored weathered rock shows original mineral assemblage except for re-equilibration
- Metamorphic Rocks**
 - Hydrothermally altered rocks**
Light-gray clays rock, mottled when weathered by shades of red, brown, and grayish purple; locally highly siliceous and well-saturated; located in part at Cerro La Tuza
- Structural Features**
 - Contact**
Dashed where approximately located
 - Indefinite contact**
 - Concealed contact**
 - Horizontal beds**
 - Strike and dip of overturned beds**
 - Strike and dip on questionable bedding plane**

[illegible]

Geological map of the area around Monte Corno. The map shows topographic contours and various geological units labeled with letters (K, D, G, M, L, S, T, C, P, Q). Key features include the quarry (marked with a star) and the clay pit (marked with a cross). The map also shows the location of the village of Corno and the road to the quarry. A scale bar indicates distances in meters (0, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000).

Legend:

- Strike and dip of beds
- Strike of vertical beds
- Trough and plunge of axis
- Quarry
- Clay pit

Geology mapped in 1955-57

LITHOLOGY TYPE		DISTRIBUTION	EXCAVATION	ENGINEERING GEOLOGY	
				STRENGTH AND STABILITY	UTILIZATION
	Massive fine	Widely distributed in formation 1 and formation K. Stone is relatively hard and brittle. Available for construction purposes through most of the quadrangle.	Requires extensive drilling and blasting, except when severely shattered.	Foundation strength is good for dams, bridges, and foundations of most structures, although where shales are approximately parallel to bedding, some shales may be weak with respect to sliding. Stone stability is good with exception as above.	Non-argillaceous fine provides good base for road and concrete foundations for roads. Good concrete aggregate. Some use for concrete. Possible rock fill for earth dams.
	Monocut and breccia.	Occurs chiefly in formation 1 and formation K. Readily available for construction purposes through most of the quadrangle.	More easily excavated than massive fine, but drilling and blasting necessary in most cases.	Foundation strength is good for heavy construction, except where shattered. Stability of steep slopes is poor as mass movement may occur thereon.	Good fill and earth dam fill material with washing.
					MISCELLANEOUS
					Tends to be brittle. This rock is too hard to use in most concrete. Some shales are in the quadrangle with thin cracks in the aggregate, which may be a liability with high alkali cement.

[illegible]

<p>The water stored in the Lago de Cera is reported to be used mainly for the irrigation of the fields of Puerto Rico.</p>	<p>Intrusive igneous rock.</p> <p>From (LH&G 1983) reports that the <i>pyrit</i> of the Cera which underlies the Comarca quadrangle... depends on the extent of diatritization and the <i>pyrit</i> occurring on the kind of rock that forms the <i>pyrit</i>. He also states that "The <i>pyrit</i> characteristics are available to the <i>pyrit</i>, but these are available about everywhere, and the <i>pyrit</i> is not available in the <i>pyrit</i>." The <i>pyrit</i> is adequate to maintain these <i>pyrit</i>.</p>	<p>with moderate weathering. Slope stability is good due to sufficiency of compaction and the presence of a well-sorted and compactly graded fill.</p>
<p>Hydrothermally altered rocks.</p>	<p>From the west end of Cerro La Pinta, eastward beyond the ridge of the Comarca, and northeast and east of Cerro.</p>	<p>Foundation strength and slope stability are generally poor, except in locally extensive areas of argillite, siltstone, and sandstone. Much of the hydrothermally altered rocks is highly fractured.</p>
<p>Alluvial deposits.</p>	<p>Chiriqui in the vicinity of Lago de Cera and in the upper reaches of Cerro La Pinta and the valley of Cerro La Pinta. Small deposits in the valley of Cerro La Pinta and the valley of Cerro La Pinta and adjacent to other areas.</p>	<p>Foundation strength for heavy loads is poor, particularly in the upper reaches of Cerro La Pinta. Low slope shales are requisite for road cuts and other permanent excavations.</p>

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