

**EXPLANATION**

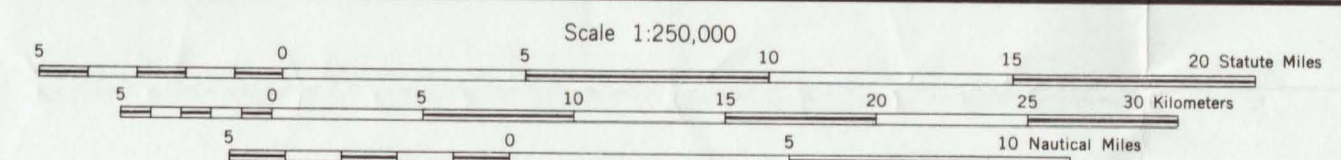
Qal	Alluvium	QUATERNARY
Qa	Low terrace deposits	
Qc	Alluvial fan deposits, colluvium, and travertine	
Qt	Fluvial terrace deposits	
Op	Plaza deposits	
Kl	Bada Limestone	
Kc	Del Rio Clay	
Ks	Edwards Ls., Walnut Fm., Segovia, Ft. Terrett, etc. Mts.	LOWER CRETACEOUS
Kpa	Paluxy Sand	
Kgr(u)	Glen Rose Limestone, Hensell Sand, and Travis Peak Formation	
Kha	Cow Creek Limestone and Hammett Shale	
Ksa	Symons Sand	
P1	Permian? rocks undivided	PERMIAN?
C	Canyon Group undivided	PENNSYLVANIAN
Sm	Smithwick Formation	
IPmf	Marble Falls Limestone	
M	Mississippian and Devonian rocks undivided	MISSISSIPPIAN & DEVONIAN
Ss	Starcke Limestone	SILURIAN
Ob	Burnam Limestone	ORDOVICIAN
Oh	Honeycut Formation	
Og	Gorman Formation	
Da	Tanyard Formation	
Cws	San Saba, Point Pk., Morgan Cr. Ls. and Weige Ss. Mts.	CAMBRIAN
Cwp	Lom Mtn. Ss., Cap Mtn. Ls. and Hickory Ss. Mts.	
Cw	Linite	
Ygr	Younger granitic intrusive rocks	
Tm	Town Mountain Granite	
Mt	Melarschite	
Rm	Red Mountain Gneiss and metagranite	
Bg	Big Branch Gneiss	
Cs	Coal Creek Serpentine	
Mir	Mafic igneous rocks	
Pack	Packoaddle Sch., Click, Rough Ridge, Sandy, and Honey Fms.	
Lc	Last Creek Gneiss	
Vs	Valley Spring Gneiss	
Dd	Dabase-dike	
F	Fault	
Th	Thrust fault	
Bar	Barbs on overriding plate	

Prepared by the Army Map Service (AMS), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1954 by photogrammetric methods. Horizontal and vertical control by USCGS and USGS. Aerial photography 1952-53. Photographic field annotated, 1954.

10,000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue.

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**VIRGIL E. BARNES, PROJECT DIRECTOR**  
Geologic mapping mostly from sources shown on Index of Geologic Mapping and by V. E. Barnes with contributions gratefully acknowledged from Shell Development Company and Shell Oil Company. Map scribed by R. L. Dillon. Geological mapping reviewed by Austin Geological Society, Geologic Atlas Committee, Robert E. Boyer, Chairman, and Stephen E. Clabaugh (Department of Geological Sciences) and Ernest T. Baker, Jr. (U. S. Geological Survey).



CONTOUR INTERVAL 100 FEET  
TRANSVERSE MERCATOR PROJECTION  
1980 MAGNETIC DECLINATION FOR CENTER OF THIS SHEET IS 8°48'E  
MEAN ANNUAL CHANGE IS 5.33' WESTWARD

**INDEX OF GEOLOGIC MAPPING**  
Sources consulted include items in bibliography in "Index to Areal Geologic Maps in Texas, 1891-1961," by T. E. Brown (1963), Bureau of Economic Geology, The University of Texas at Austin. For references for areas A through RR and for other sources, see text.

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