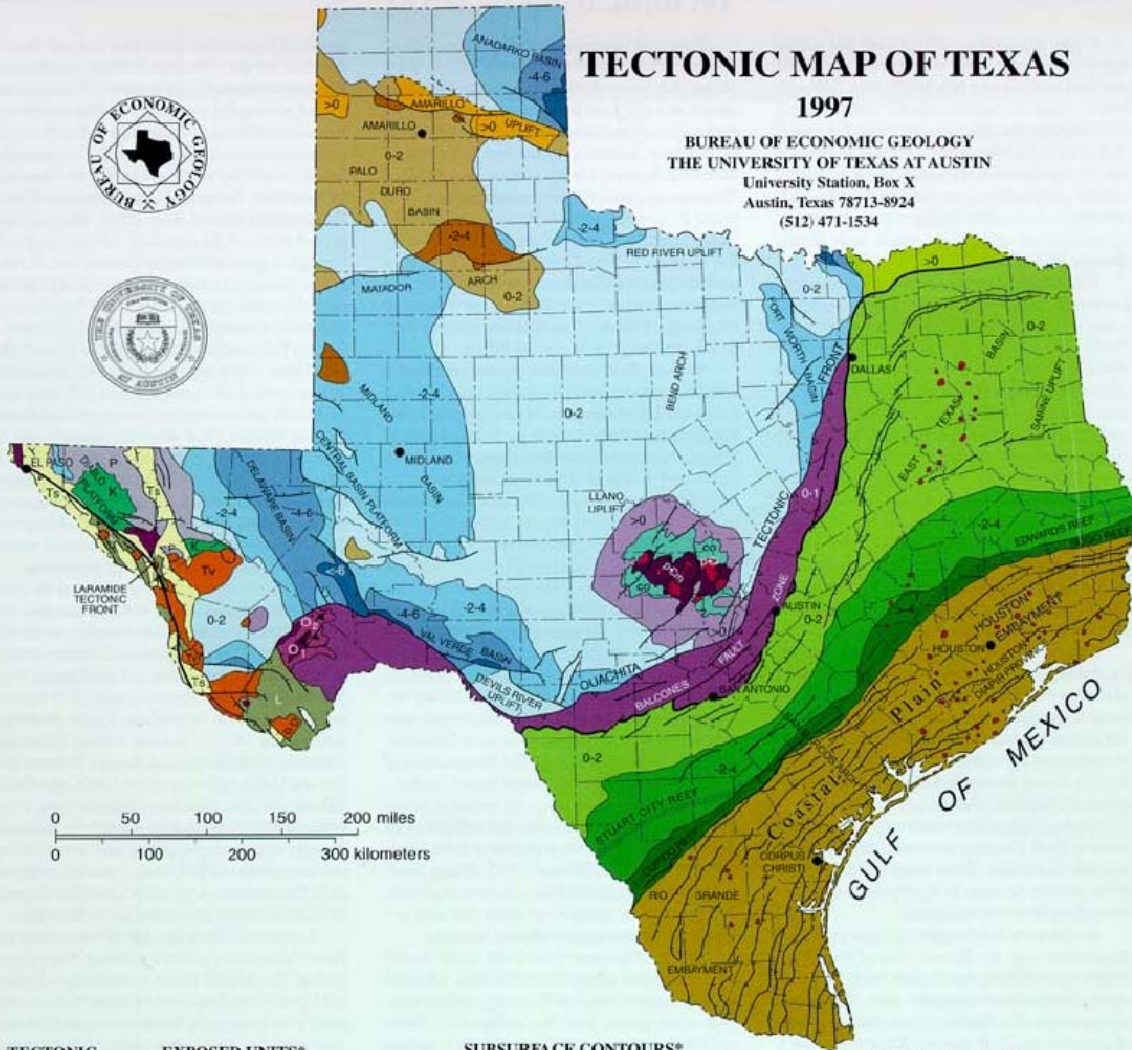




TECTONIC MAP OF TEXAS

1997

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TECTONIC EPISODE

Tertiary

EXPOSED UNITS*

Ts Late Tertiary extensional basin

Tv Trans-Pecos igneous

Laramide

L Deformed Cretaceous strata

Gulf Coast

K Cretaceous strata

Ouachita

Foreland:

P Upper Paleozoic

CO Lower Paleozoic

Marathon:

O₂ Upper Paleozoic flysch

O₁ Lower Paleozoic

Llano

p-Ci Precambrian igneous

p-Cm Precambrian metamorphic

SUBSURFACE CONTOURS*

(elevation in kilometers**)

Top of pre-Tertiary

<-4

Base of Austin Chalk or Top of Edwards Group Cretaceous

>0 0 to -2 -2 to -4 -4 to -6 <-6

Top of Ellenburger Paleozoic

>0 0 to -2 -2 to -4 -4 to -6 <-6

Top of Precambrian

>0 0 to -2 -2 to -4

Buried Ouachita facies Paleozoic

0 to -1

* Note changes in mapped horizon.

** >0, elevation greater than sea level;

<-6, depths greater than 6 km below sea level

OTHER FEATURES

Caldera

Salt diapirs

Lower Cretaceous reef trend

Normal fault, indicating downthrown side

Thrust fault, teeth on upper plate

TECTONIC FRONTS

Laramide tectonic front

Ouachita tectonic front

Gulf Basin margin