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Bedrock Geology and Hydrostratigraphy of the Edwards and Trinity Aquifers Within the Driftwood and Wimberley 7.5-Minute Quadrangles, Hays and Comal Counties, Texas

By
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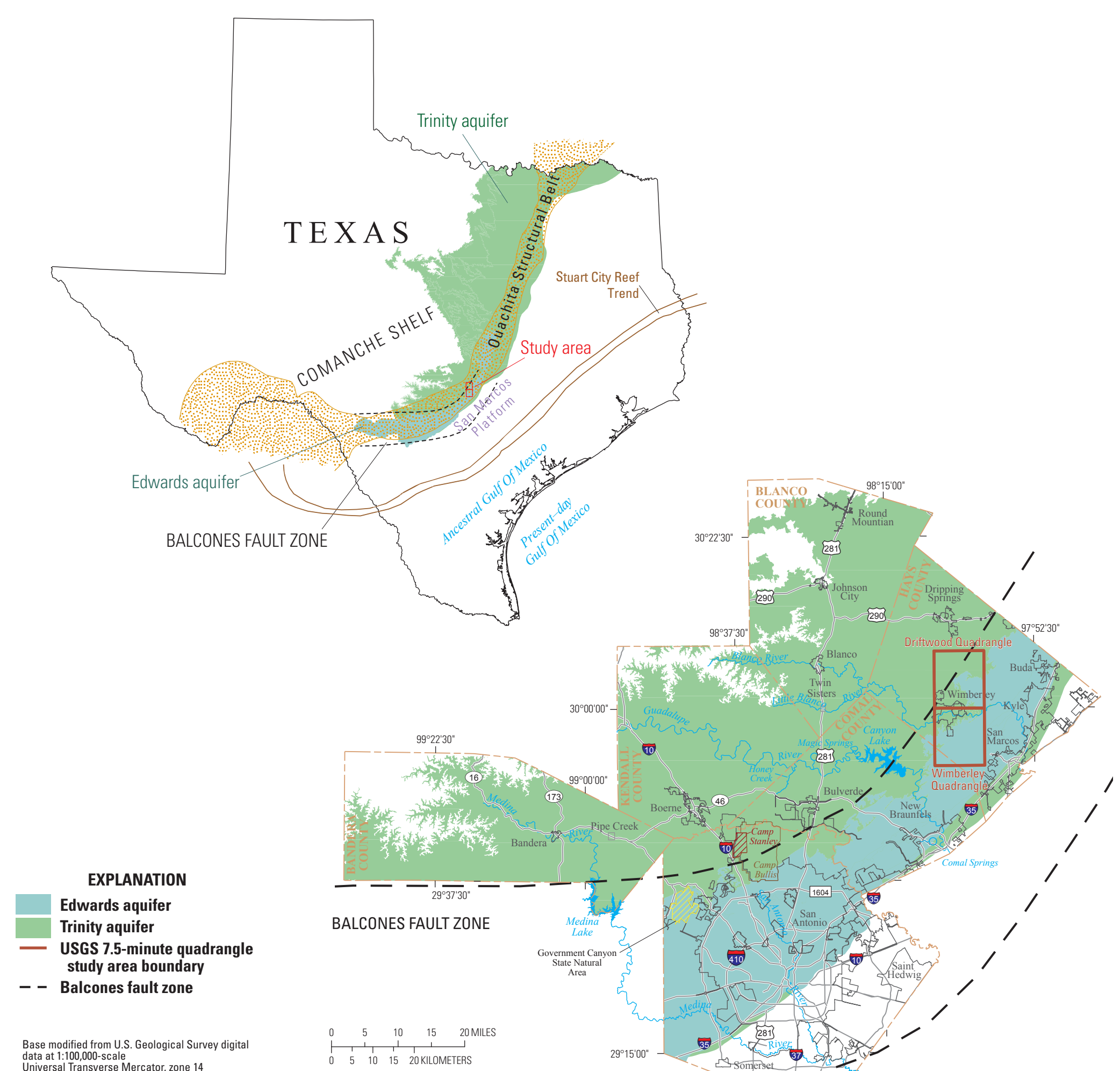


Figure 1. Location of the study area, Driftwood and Wimberley 7.5-minute quadrangles, Hays and Comal Counties, Texas. Aquifers from Geogee and others, 2011

[illegible]

Period	Geology	Hydrostratigraphy						
		Lithology and lithocology		Hydrologic function		Field identification		
		Unit (formal and informal)	Thickness' (outcrop in the study area in feet)	Hydrologic function	Porosity type	Field identification		
Early Cretaceous	Geology	Lithology and lithocology	Unit	Formation	Unit	Formation	Unit	Formation
Middle Cretaceous	Geology	Lithology and lithocology	Unit	Formation	Unit	Formation	Unit	Formation
Late Cretaceous	Geology	Lithology and lithocology	Unit	Formation	Unit	Formation	Unit	Formation
Early Tertiary	Geology	Lithology and lithocology	Unit	Formation	Unit	Formation	Unit	Formation
Middle Tertiary	Geology	Lithology and lithocology	Unit	Formation	Unit	Formation	Unit	Formation
Late Tertiary	Geology	Lithology and lithocology	Unit	Formation	Unit	Formation	Unit	Formation
Quaternary	Geology	Lithology and lithocology	Unit	Formation	Unit	Formation	Unit	Formation

²Thickness range based on field mapping in the study area

EXPLANATION OF HYDROSTRATIGRAPHIC UNITS			
Formation	Member (Formal and informal)	Informal hydrostratigraphic	
Del Rio Clay	*	Kdr	Upper confining unit
Georgetown	*	Kg	Del Rio (D.R.)
Person	Cyclic and marine, undisturbed	Kp	I
	Leached and collapsed, undisturbed	Kpic	II
	Regional dense, undisturbed	Kp	III
Kainer	Granular	Kg	IV
	Knowledge, impure	Kp	V
	Dolomitic	Ksd	VI
Wahpet Clay	Band nodular	Kbny	VII
		Kp	VIII
Upper Glen Rose Limestone		Kgrbc	Camp Bells
		Kgr	Upper evaporite
		Kgrf	Fossiliferous
		Kgrs	Lower evaporite
Glen Rose Limestone		Kgrb	Buvalde
		Kgrf	Lotts Basin
Lower Glen Rose Limestone		Kgrs	Two Sisters
		Kgrbc	Deepened-bed
		Kgr	Ram
		Kgrbc	Winger Creek

MAP EXPLANATION

—U— Fault—Type unspecified, dashed where inferred; U, upthrown block
D, downthrown block

— Contact—Between hydrostratigraphic units

— Corbula bed contact—The *Corbula* sp. bed

— Study boundary

50	Strike and dip of hydrostratigraphic unit
>	Cave—Orientation unspecified
⊙	Sink

Spring

<https://doi.org/10.2133/jim2006.0526>

30°15'00"	88°15'00"	88°10'30"	88°00'00"	87°52'30"
	HOLLY	DIPPING SPRINGS	SIGNAL HILL	
30°07'30"	ROUGH HOLLOW	DRIFTWOOD	MOUNTAIN CITY	
30°00'00"				
	DOVILS BUCKHORN	WOMBERLEY	SAN MARCOS SOUTH	
29°52'30"				
	SATTLER	HUNTER	SAN MARCOS SOUTH	
29°45'00"				

Index map showing map areas in yellow and adjacent

U.S. Geological Survey (USGS) 7.5-minute
quadrangles.

Multiply	By	To obtain
	Length	
inch (in.)	2.54	centimeter
inch (in.)	25.4	millimeter
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer

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hydrostratigraphy of the Edwards and Trinity aquifers

Trinity aquifers within the Driftwood and Wimberley
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