GEOLOGY OF TEXAS

Paleontological Society of Austin

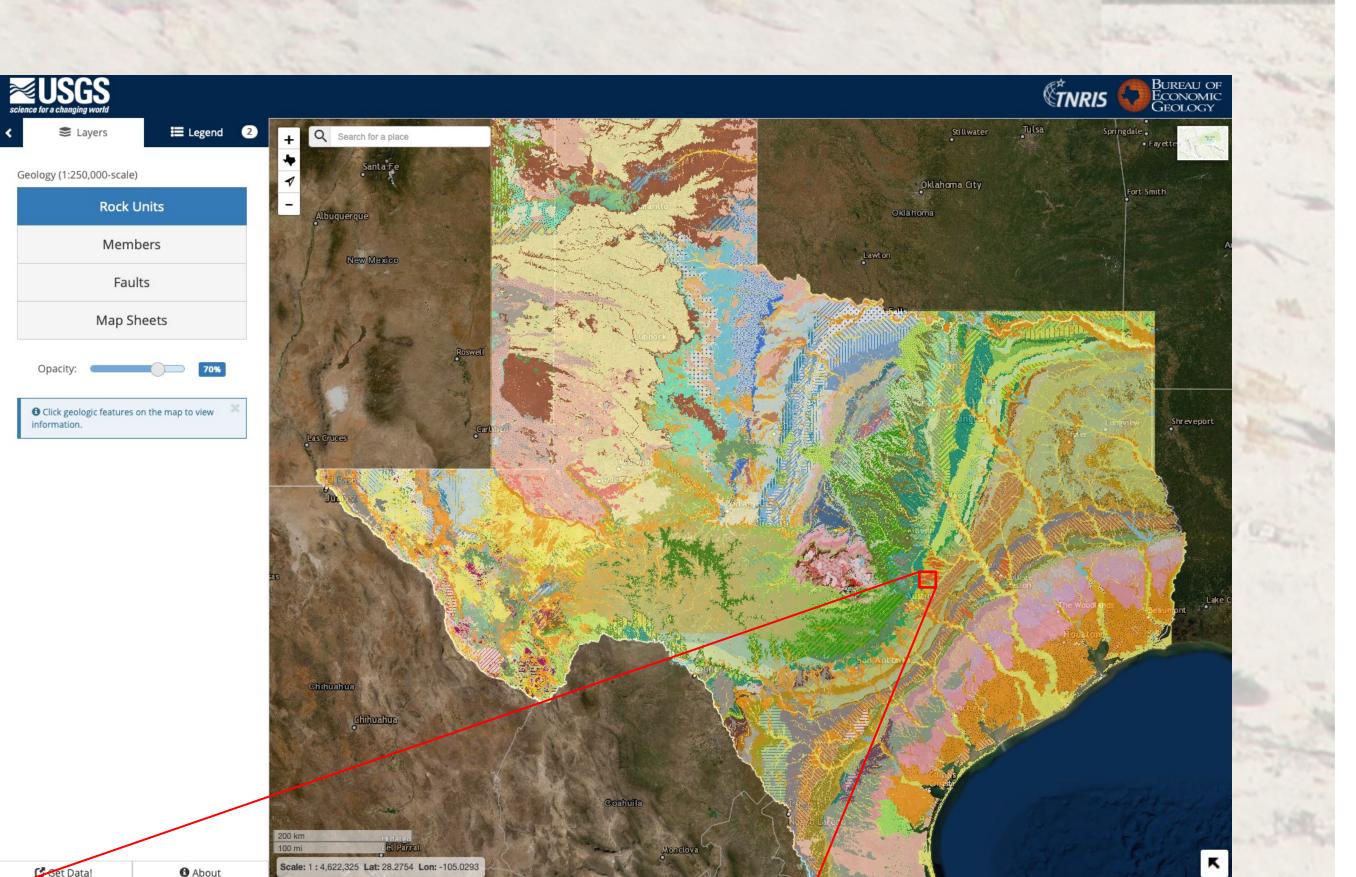
Geological Maps of Texas

- Where can I find fossils? •
- How old are the local rocks? •
- What formation is this? •

Go to txpub.usgs.gov/txgeology/

Type in an address: 3300 E Palm Valley Blvd Round Rock, TX

Zoom in and click on the different formations to get detailed descriptions. Note that green shades indicate Cretaceous formations.



Paper geological maps of Texas can be purchased at the Bureau of **Economic Geology** website.

Rock Unit

Rock Unit Name Eagle Ford Group

Rock Unit Code Kef

Sheet Name Austin

Period Cretaceous

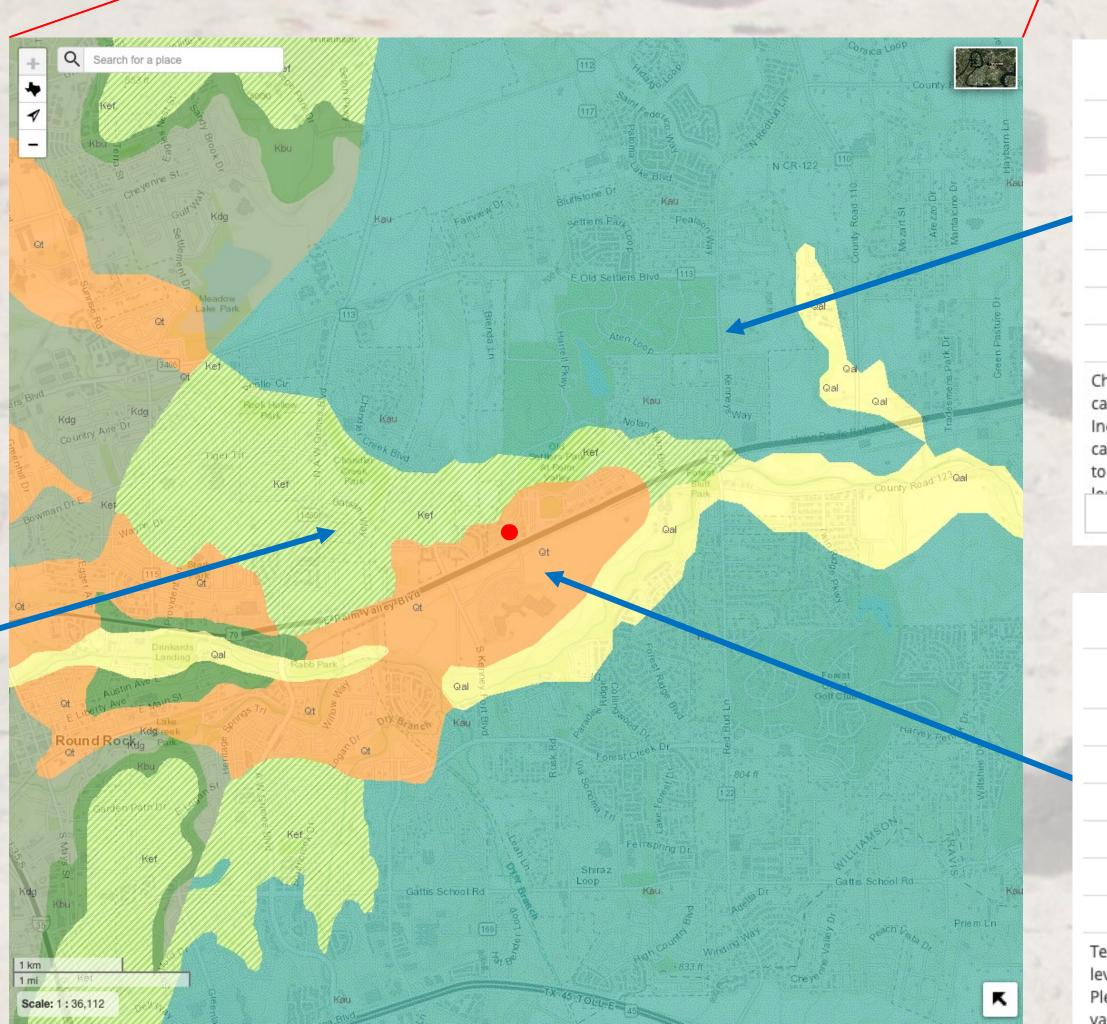
Epoch or Series Gulfian

Group Eagle Ford Group

Geo-Order Number 7191

shale and limestone. Upper part-shale, compact, silty, contains fossil fish teeth and bones, 10 feet or more thick; middle part-silty limestone grading to calcareous siltstone, flaggy, medium gray, weathers pale yellowish brown, 5 feet thick. Lower part chalo calcareous dark gr × Close

🔍 Zoom



Rock Unit Code Kau Sheet Name Austin Period Cretaceous Epoch or Series Gulfian Group Austin Group Geo-Order Number 7129 Chalk and marl; chalk mostly microgranular calcite with minor Foraminifera tests and Inoceramus prisms, averages about 85 percent calcium carbonate, ledge forming grayish white to white; alternates with marl, bentonitic seams locally recording medium

Rock Unit

Rock Unit Name Austin Chalk

Q Zoom

X Close

Rock Unit

Rock Unit Name Fluviatile terrace deposits Rock Unit Code Qt Sheet Name Austin Period Quaternary Epoch or Series Pleistocene

Group N/A

Geo-Order Number 33

Terraces along streams, consist of three or more levels which may correspond to coastal Pleistocene units; gravel, sand, silt, and clay in various proportions with gravel more prominent in the older higher terraces

Triassic				Jurassio	C	Cret	Cretaceous	
Early Middle	l	Late		Early Mid	dle Late	e Early	Late	
252 MYA	235 MYA	1 M	201 MYA	174 N	IYA 163 MYA	145 MYA	100 MYA	66 N
				2	1			
Cambrian	Ordovician	Silurian	Devonian	Carboniferous	Permian	Mesozoic	Cenozoic	
541 MYA	485 MYA		419 MYA	359 MYA	298 MYA	252 million years ago (MYA)	66 MYA	Nov
Hadeon A			Archean	Archean		Proterozoic	Paleozoic	
4.6 BYA 4.6 billion years ago (BYA)			go (BYA)	-	2.5 BYA		521 MYA	

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