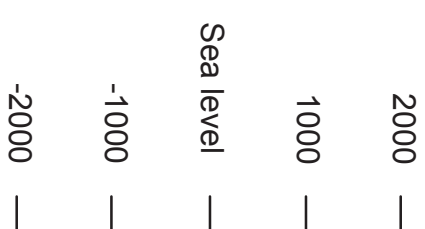


ELEVATION (FEET)



DESCRIPTION OF GEOLOGIC MAP UNITS

BEDROCK UNITS

SEDIMENTARY UNITS

Quaternary	Qal	Alluvium — River and stream floodplain deposits, silty sand, mud, channel gravel, rounded pebbles and cobbles.
	Qt	Fluvial terrace deposits — Gravel, silt, sand, and clay; increasing amounts of sand, silt, and clay in the Carrizo Sand unit. These deposits are mostly above flood level along entrenched streams. Fluvial characteristics, such as point bars, oxbows, and abandoned-channel segments, are well preserved.
Tertiary	Eqcs	Queen City Shale/Claystone — Local beds of fine glauconitic siltstone and claystone, greenish to brown, weathers greenish-gray and white, locally indurated with fine- to medium-grained sandstone, thin interbedded clay beds prevalent.
	Eqc1	Queen City Sandstone — Quartz sand and clay; fine- to medium-grained sandstone, well sorted, massive, occasionally indurated, light- to brownish-gray, locally carbonaceous, occasionally crossbedded; weathers mottled red and white, with ironstone concretions and hematitic cement common; thickness varies between 100 and 400 ft. Exposed outcrop and paralic residual cover 40–80 inches thick. Eqc1 , residual cover deeper than 80 inches, Eqc2 .
	Eqc2	
	Er	Reklaw Formation — Fine- to medium-grained sandstone, siltstone, and clay; abundant hematitic concretions, muscovite, glauconitic sands and silts; friable, highly indurated, crossbedded, with occasional mollusk and pelecypod fossils; frequent clay, siltstone, lignitic beds; thickness ranges between 50 and 80 ft.
Quaternary	Ec1	Carrizo Sand — Sandstone, medium to coarse grained, typically fining toward the top, poorly sorted, friable to locally indurated, noncalcareous, thick bedded, light-yellow to orange and brown, weathers yellowish-brown, locally iron-oxide banded, surface thickly forested with oak, formation thickens to the west, averaging 1400–2000 ft. Exposed outcrop and paralic residual cover 40–80 inches thick, Ec1 , residual cover deeper than 80 inches, Ec2 .
	Ec2	

MAP SYMBOLS

(All map symbols may not appear on this sheet)

	QUARRY / SAND-PIT AREA		CROSS-SECTION LINE
	BODY OF WATER		FAULT CONTACT — Showing local normal offset — U, upthrown block; D, downthrown block, with amount of displacement
	RIVER		SAMPLE LOCALITY — Location of sample taken for analytical work and sample number
	INTERMITTENT STREAM / CREEK		BEDDING — Sedimentary bedding plane showing strike and dip angle
	HIGHWAY		HORIZONTAL BEDDING
	ROAD / STREET		

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Bedding and crossbedding in fine- to medium-grained sandstone, unconsolidated to loosely cemented in quarry/sand-pit operation extracting from the Carrizo Sand unit (Photo taken 01/23/13 by B.A. Elliott).



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