

COLUMNAR SECTION SHEET 1

GENERALIZED SECTION FOR THE AUSTIN QUADRANGLE.
SCALE: 1 INCH = 200 FEET.

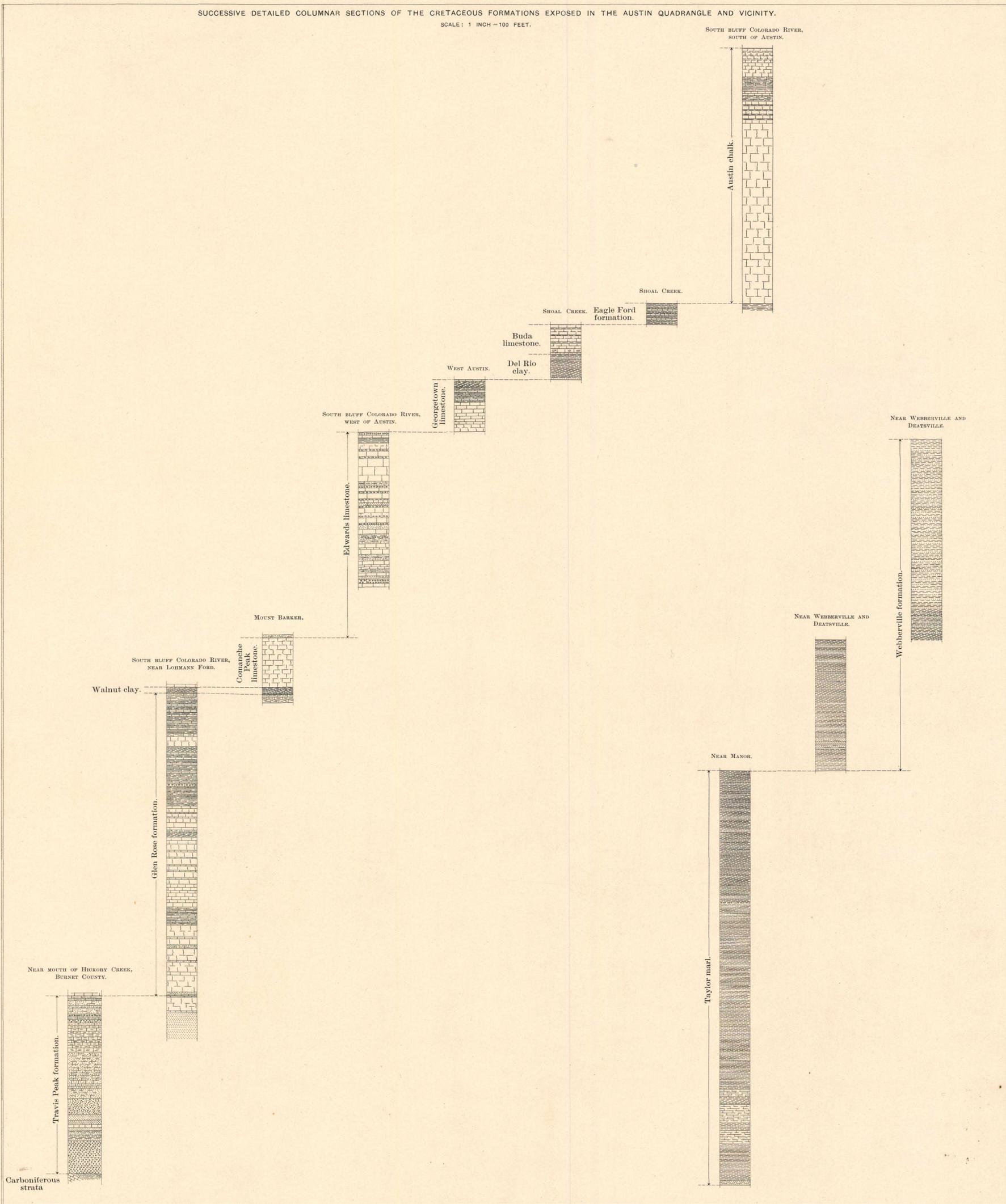
PERIOD.	FORMATION NAME.	SYMBOL.	COLUMNAR SECTION.	THICKNESS IN FEET.	CHARACTER OF ROCKS.	CHARACTER OF TOPOGRAPHY AND SOIL.
NEO-PLAIS.	Alluvium.	Pal		0-40	Mostly silt.	Wide flats along the larger streams, heavily forested with hard wood, such as pecan.
	Terrace gravels.	Pt		0-50	Gravel and sand, chiefly granitic, and calcareous marl.	Lower terraces along Colorado River and Onion Creek, heavily forested with post oak and black-jack.
NEO-CENE	Uvalde formation.	Nu		0-70	Gravel, chiefly flints from the Edwards limestone.	Caps the higher hills east of the Balcones escarpment.
EOCENE	Lytton formation.	El		300+	Clay, laminated sand and clay, and sandstone, the latter often cross bedded. Excepting some hard sandstone beds, the rocks are unconsolidated.	Undulating surface with low hills. Sandy soil bearing a growth of oak timber, bordered on the west by dense mesquite thicket with opuntias.
	Webberville formation.	Kvv		400±	Black, shaly, bituminous clay with occasional arenaceous and harder layers. Distinguishable from the Taylor marl by the presence of greensand or glauconite and by its fossils.	Rolling prairie. Fertile, black, sticky soil with scattered growth of mesquite trees.
GULF SERIES	Taylor marl.	Kt		540±	Bluish, unctuous, marly clay ("joint clay") which weathers into yellow laminated subsoil and black surface soil.	Rolling prairie. Fertile, black, sticky soil.
	Austin chalk.	Ka		410±	White chalk with conchoidal fracture. Marly in the upper portion.	Rolling prairie, broken in places by growth of live oak and juniper. Fertile, black, argillaceous soil.
CRETACEOUS	Eagle Ford formation.	Kef	30±	Laminated blue clay and flaggy limestone, containing fish bones and teeth.	Prairie with fertile, stiff, argillaceous soil, and elm and hackberry growth in places.	
	Buda limestone.	Kbd	45	Massive thick-bedded pinkish-yellow limestone with nodular fracture.	Stony surface with shallow soil and live-oak growth.	
	Del Rio clay.	Kdr	80	Unctuous greenish clay weathering light blue or yellowish. Contains numerous specimens of <i>Exogyra arietina</i> .	"Hog-wallow" prairies. Stiff, argillaceous soil covered by thin growth of mesquite bushes.	
	Georgetown limestone.	Kg	80	White limestone with irregular fracture, slightly arenaceous and frequently containing marly beds.	Stony prairie. Inferior shallow soil with juniper and live-oak growth.	
	Edwards limestone.	Ke	300±	Massive white limestone with beds of flints.	Rocky summits and highlands with cliffs and canyon walls. Shallow black and chocolate-colored soil covered with live oak and scrub oak.	
COMANCHE SERIES	Comanche Peak limestone.	Kcp	40	White chalky limestone.	Usually barren chalky slopes.	
	Walnut clay.	Kw	15	Yellow clay, containing many specimens of <i>Exogyra texana</i> .	Steep slopes with sterile clay soil.	
	Glen Rose formation.	Kgr	450	White and yellowish limestone in bands of various thickness, flaggy and marly in places, and sandy toward the top and base.	Slopes, terraced by harder beds, with vertical cliffs along stream bluffs. Prairie, in places covered with juniper and sumac growth.	
	Travis Peak formation.	Ktp	100+	Conglomerate, grit, sand, clay, and calcareous beds.	Lower slope and bottom of Colorado Canyon.	

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COLUMNAR SECTION SHEET 2

SUCCESSIVE DETAILED COLUMNAR SECTIONS OF THE CRETACEOUS FORMATIONS EXPOSED IN THE AUSTIN QUADRANGLE AND VICINITY.

SCALE: 1 INCH = 100 FEET.



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FIG. 4.—TERRACE OF OLD ALLUVIUM UPON UPPER BEDS OF THE EDWARDS LIMESTONE, COLORADO VALLEY, WEST AUSTIN.
Showing previously eroded surface of the limestone.



FIG. 5.—RESIDUAL GRAVEL OF THE UVALDE FORMATION IN THE BLACK PRAIRIE REGION.
Composed of flint nodules derived from the Edwards limestone in the region of the Edwards Plateau.



FIG. 6.—MINOR BLOCK FAULTING IN THE EDWARDS LIMESTONE, BARTON CREEK.
Showing the type of faulting in the Balcones fault zone.



FIG. 7.—TYPICAL EXPOSURE OF TAYLOR MARL, BLUE BLUFF, COLORADO RIVER.
Remnant of a gravel terrace caps the bluff at the right.

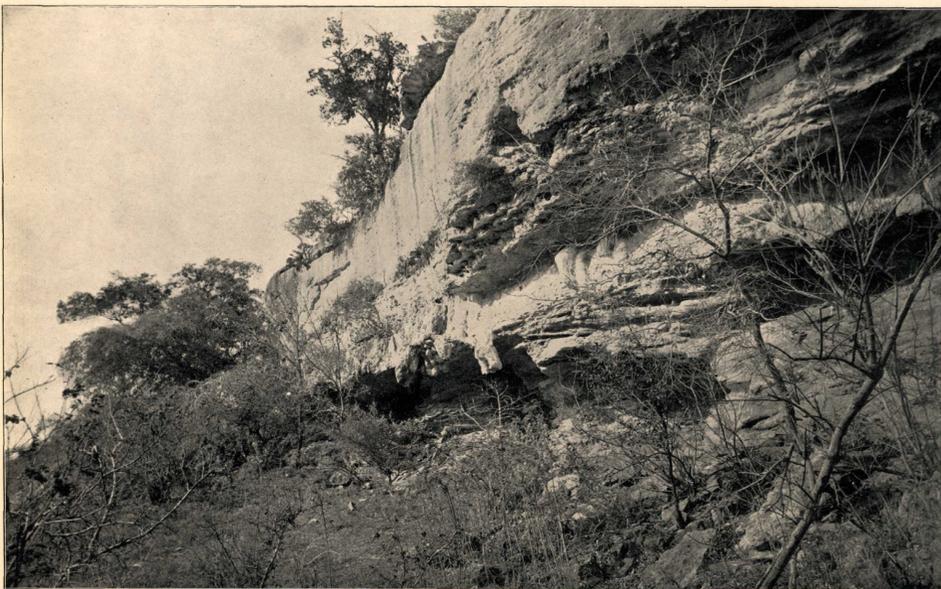


FIG. 8.—CLIFF OF AUSTIN CHALK, ONION CREEK.
Interbedded volcanic tuff at the base of the exposure.



FIG. 9.—GLEN ROSE FORMATION, FORMING WEST BLUFF OF MOUNT BONNEL.
Old alluvial plain of the Colorado River, cut in the Edwards Plateau, is shown in the valley on the left.

