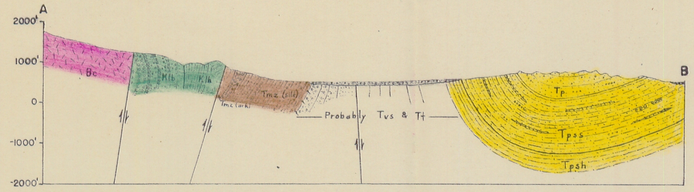
Lewis_ la_ 1941



EXPLANATION

QUATERNARY

- RECENT — Qal — ALLUVIUM AND VALLEY FILL (*Coalescing alluvial fans deposited during several cycles and valley fill*)
- PLEISTOCENE — Qt — TERRACE DEPOSITS (*River gravels and dissected fans*)

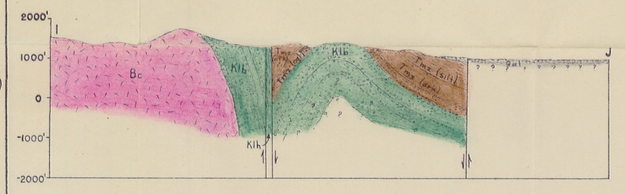
TERTIARY

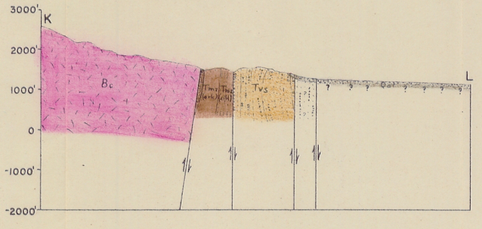
- MIOCENE — Tp — PUENTE FORMATION (*Diatomaceous shale of varying degrees of purity, sandy shale, silt, buff sandstone, and conglomerate*)
- MIOCENE — Tf — TEMBLOR FORMATION (*White to buff arkosic sandstone*)
- OLIGOCENE (?) — Tvs — VAQUEROS (MIOCENE) and SESPE (OLIGOCENE ?) FORMATIONS (*Red and variegated clay and sandy clay, poorly sorted material, probably of non-marine origin*)
- EOCENE — Td — DOMENGINE FORMATION (*White to buff quartzose sandstone, shaly sandstone and conglomerate*)
- EOCENE — Tm — MARTINEZ FORMATION (*Divided into upper member consisting of tan-weathering siltstone and shale, and lower member of arkose with chlorite and clay zone near base*)

CRETACEOUS

- UPPER CRETACEOUS — Kwp, Kws — WILLIAMS FORMATION (*Divided into (upper) Pleasants sandy shale member and (lower) Schulz conglomerate member*)
- UPPER CRETACEOUS — Klb, Klp — LADD FORMATION (*Divided into (upper) Holz shale and (lower) Baker conglomerate members. Probably includes the Trabuco formation red conglomerate and sandstone*)
- UPPER CRETACEOUS — Bc — TRIASSIC SLATE AND ASSOCIATED ROCKS (*Slate carrying Triassic fossils, and a later series effusive igneous rocks; mostly andesitic rocks in this area*)

DATUM IS MEAN SEA LEVEL





REVISIONS	
	SECTIONS A-B TO K-L FOR THE GEOLOGIC MAPS OF A PART OF THE NORTHERN SANTA ANA MOUNTAIN REGION CALIFORNIA

SCALE	DATE	APPROVED		GEOLOGY BY
1" = 2000'	6-1941		DR BY L.A.L. TR BY " CH BY F.D.B.	LLOYD A. LEWIS

HORIZONTAL AND VERTICAL SCALE

Lewis Plate 1