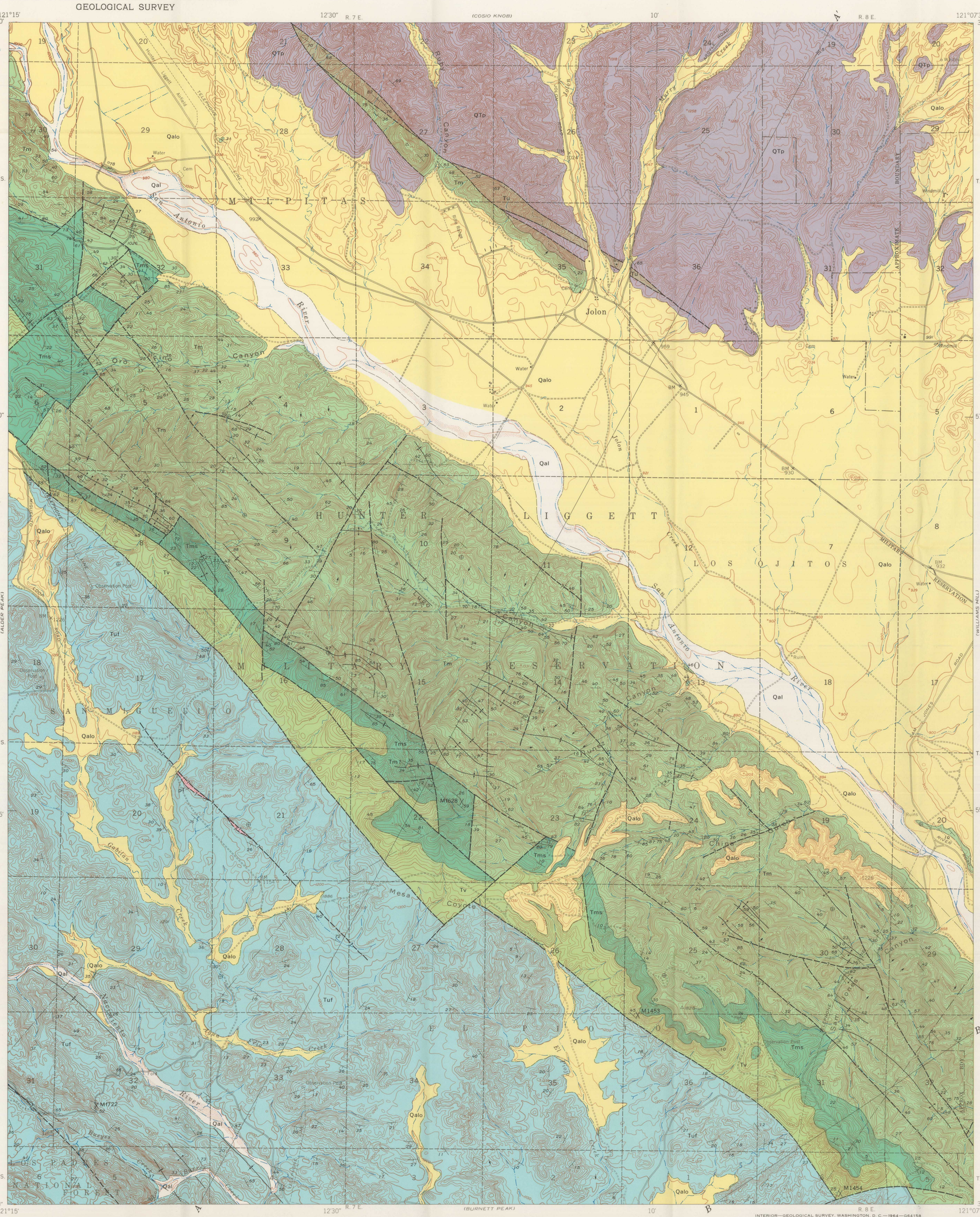


Base by Army Map Service, 1949

SCALE 1:24 000

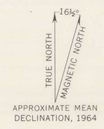
1 ½ 0 1 MILE

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1964—G64158

Geology mapped by David L. Durham, 1961–62



EXPLANATION

Recent	Qal	**Alluvium** *Unconsolidated sand and gravel along streams*	QUATERNARY
Pleistocene and Recent(?)	Qalo	**Older alluvium** *Semiconsolidated gravel, sand, and silt; locally well cemented*	QUATERNARY
Pliocene and Pleistocene(?)	QTp	**Paso Robles Formation** *Pebble conglomerate, conglomeratic sandstone, and sandstone; nonmarine*	TERTIARY AND QUATERNARY(?)
Pliocene	Tu	**Unnamed formation** *Sandstone, very fine grained, locally granulitic and pebbly, mudstone, diatomaceous mudstone; marine*	TERTIARY
Miocene	Tm, Tms	**Monterey Shale** Tm, *porcelanite, porcelaneous mudstone, mudstone, chert, dolomitic carbonate beds and concretions; marine* Tms, *Sandholdt Member: calcareous mudstone and shale, siltstone, sandstone, porcelaneous rocks, chert, dolomitic carbonate beds; marine*	TERTIARY
Miocene	Tv	**Vaqueros Formation** *Sandstone, chiefly fine- or medium-grained, and mudstone; marine*	TERTIARY
Paleocene(?)	Tuf	**Unnamed formation** *Sandstone, massive, medium- to coarse-grained, poorly sorted, conglomerate; mudstone; marine*	TERTIARY(?)
	pT	**Basement complex** *Plutonic rocks poorly exposed*	PRE-TERTIARY

LITHOLOGIC SYMBOLS

Mudstone, siltstone, shale, and porcelaneous rocks

Sandstone

Conglomerate and conglomeratic sandstone

Contact
Dashed where gradational or approximately located

Fault
Dashed where approximately located; dashed and queried where inferred

Anticline
Showing trace of axial plane

Overturned anticline
Showing trace of axial plane and direction of dip of limbs

Syncline
Showing trace of axial plane

20 Strike and dip of beds

70 Strike and dip of overturned beds

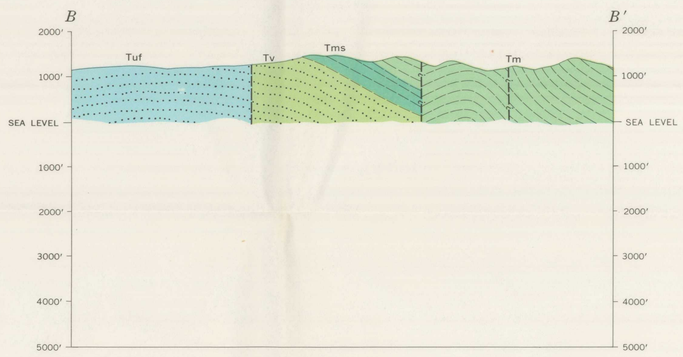
Strike and dip of vertical beds

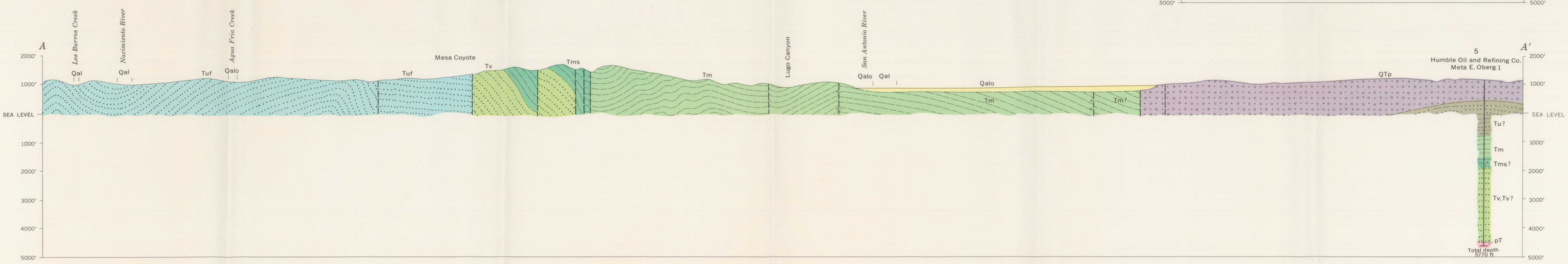
Approximate direction of dip of poorly exposed beds

Horizontal beds

M1455 Fossil locality
Numbered according to locality list in text

5 Oil Wells—dry hole
Numbered according to table 2 in text





GEOLOGIC MAP AND SECTIONS OF THE JOLON QUADRANGLE, MONTEREY COUNTY, CALIFORNIA