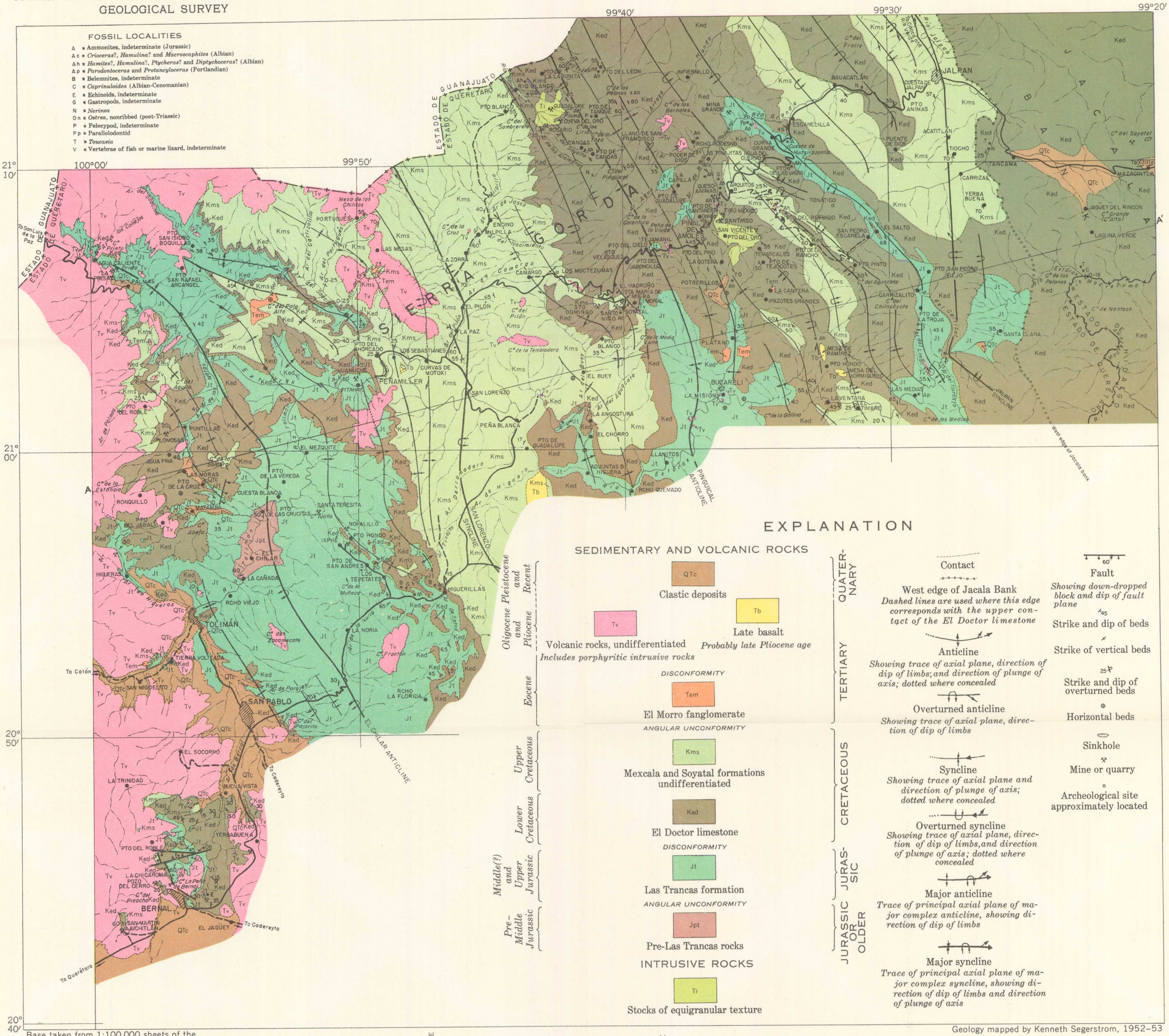


EXPLANATION

SEDIMENTARY AND VOLCANIC ROCKS

Age	Symbol	Description
Pleistocene and Recent (Quaternary)	QTc	Clastic deposits
Oligocene and Pliocene (Tertiary)	Tb	Late basalt — *Probably late Pliocene age*
Oligocene and Pliocene (Tertiary)	Tv	Volcanic rocks, undifferentiated — *Includes porphyritic intrusive rocks*
		DISCONFORMITY
Eocene (Tertiary)	Tem	El Morro fanglomerate
		ANGULAR UNCONFORMITY
Upper Cretaceous	Kms	Mexcala and Soyatal formations undifferentiated
Lower Cretaceous	Ked	El Doctor limestone
		DISCONFORMITY
Middle(?) and Upper Jurassic	Jt	Las Trancas formation
		ANGULAR UNCONFORMITY
Pre-Middle Jurassic	Jpt	Pre-Las Trancas rocks

INTRUSIVE ROCKS

Symbol	Description
Ti	Stocks of equigranular texture

Contact

West edge of Jacala Bank
Dashed lines are used where this edge corresponds with the upper contact of the El Doctor limestone

Anticline
Showing trace of axial plane, direction of dip of limbs; and direction of plunge of axis; dotted where concealed

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

Syncline
Showing trace of axial plane and direction of plunge of axis; dotted where concealed

Overturned syncline
Showing trace of axial plane, direction of dip of limbs, and direction of plunge of axis; dotted where concealed

Major anticline
Trace of principal axial plane of major complex anticline, showing direction of dip of limbs

Major syncline
Trace of principal axial plane of major complex syncline, showing direction of dip of limbs and direction of plunge of axis

Fault
Showing down-dropped block and dip of fault plane

Strike and dip of beds

Strike of vertical beds

Strike and dip of overturned beds

Horizontal beds

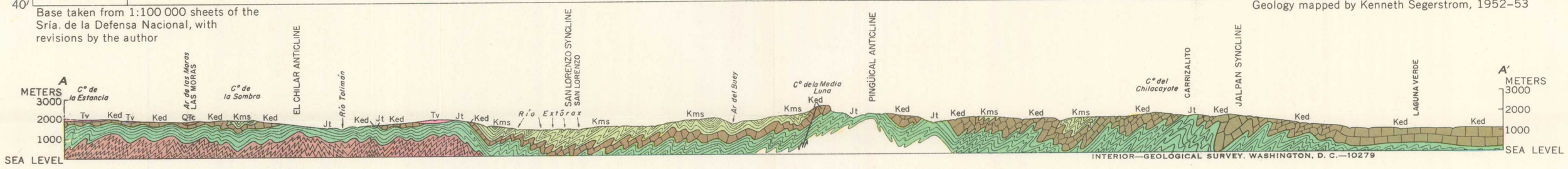
Sinkhole

Mine or quarry

Archeological site approximately located

Base taken from 1:100 000 sheets of the Sría. de la Defensa Nacional, with revisions by the author

Geology mapped by Kenneth Segerstrom, 1952–53



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RECONNAISSANCE GEOLOGIC MAP AND SECTION OF THE BERNAL-JALPAN AREA, QUERETARO, MEXICO

5 0 5 10 MILES

5 0 5 10 15 KILOMETERS