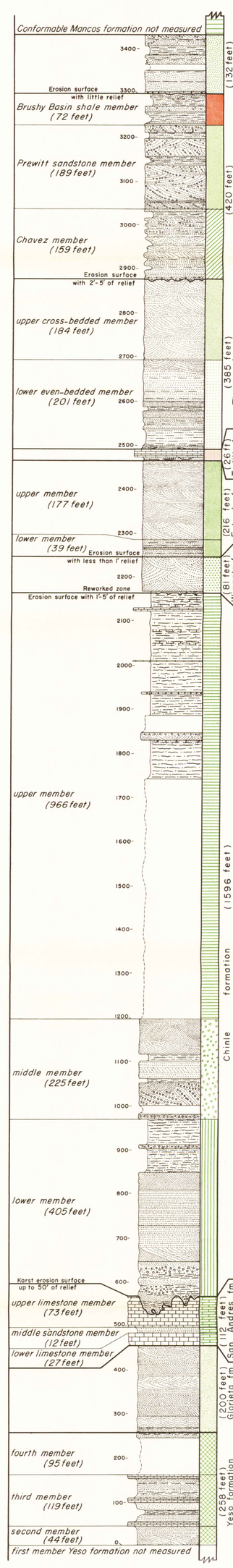


EXPLANATION

Sandstone even-bedded · Sandstone cross-bedded · Conglomerate showing even- and cross-bedding · Mudstone · Limy mudstone and siltstone · Shale · Limestone · Covered · Siltstone

COMPOSITE COLUMNAR SECTION

Geology by Clay T. Smith and others, New Mexico Institute of Mining and Technology. Surveyed 1948 - 51.

EXPLANATION

TERTIARY QUATERNARY

- Qal — Alluvium
- QTb — Basalt

CRETACEOUS

- Km — Mancos formation
- Kd — Dakota formation

JURASSIC

- Jmb, Jmp, Jmc — Morrison formation; Jmb, Brushy Basin member; Jmp, Prewitt member; Jmc, Chavez member
- Jtu, Jtl — Thoreau formation; Jtu, upper member; Jtl, lower member
- Jt — Todilto formation
- Je — Entrada formation
- Jw — Wingate formation

San Rafael group; Glen Canyon group

TRIASSIC

- Rcu, Rcm, Rcl — Chinle formation; Rcu, upper member; Rcm, middle member; Rcl, lower member

PERMIAN

- Ps — San Andres formation
- Pg — Glorieta formation
- Py — Yeso formation

Contact — dashed where approximately located, dotted where concealed or inferred

Fault — dashed where approximately located, dotted where concealed or inferred; U, upthrown; D, downthrown

Strike and dip of beds

Uranium prospect

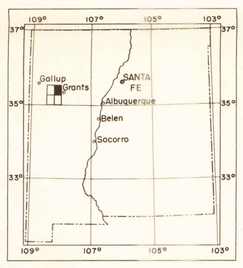
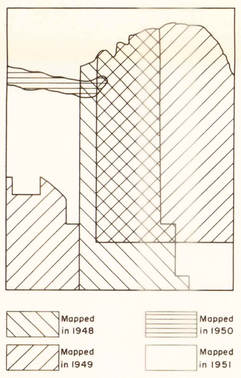
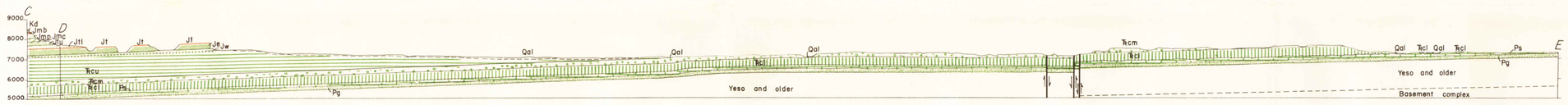
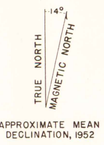


Fig. I. Outline map of New Mexico showing location of Thoreau Quadrangle (Black) and adjacent quadrangles under investigation.

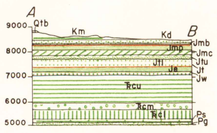


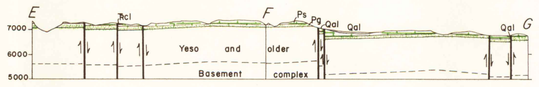
Geologic Mapping Index





APPROXIMATE MEAN DECLINATION, 1952





GEOLOGIC MAP AND SECTION OF THE THOREAU QUADRANGLE, NEW MEXICO

Scale $\frac{1}{48,000}$

1 0 1 2 3 MILES