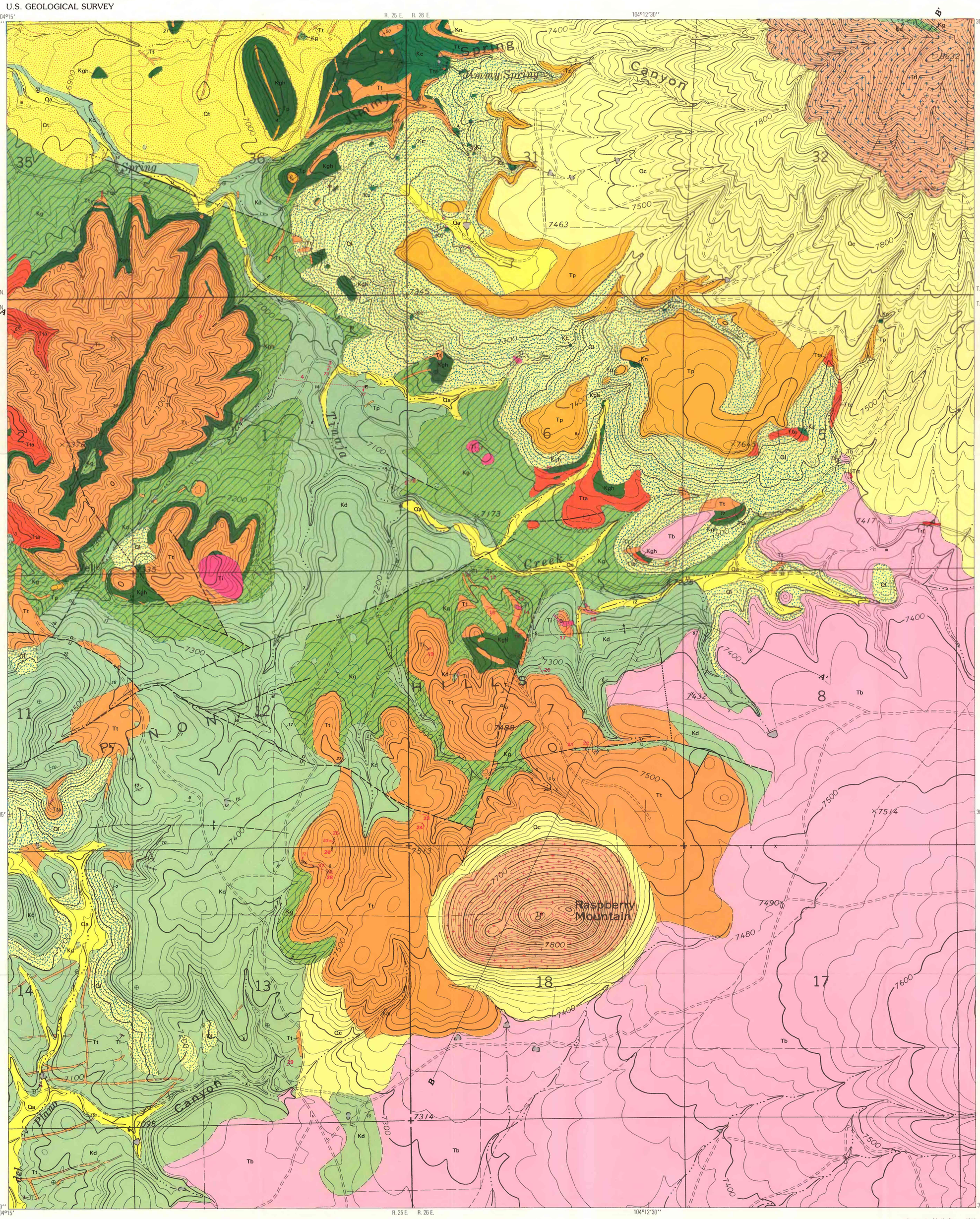



## CORRELATION OF MAP UNITS

| | | |
|---|---|---|
| Qa, Qc, Ql, Qt | | QUATERNARY |
| Unconformity | | |
| Tb | Pliocene | TERTIARY |
| Trr, Trt, Tl, Ti | Miocene | |
| Tp, Tta, Tt | Oligocene | |
| Unconformity | | |
| Kn, Kc, Kgh, Kg, Kd | Cretaceous; Lower Cretaceous | CRETACEOUS |
| Jm, Jbr, Je | Upper Jurassic | JURASSIC |
| Ꞧd | Upper Triassic | TRIASSIC |

## LIST OF MAP UNITS

| | |
|---|---|
| Qa | Alluvium (Quaternary) |
| Qc | Colluvium (Quaternary) |
| Ql | Landslide deposits (Quaternary) |
| Qt | Terrace gravels (Quaternary) |
| Tb | Basalt (Pliocene) |
| Trl | Rhyodacite of Laughlin Peak (Miocene) |
| Trr | Rhyodacite of Raspberry Mountian (Miocene) |
| Trt | Rhyodacitic tuff (Miocene) |
| Ti | Intrusive breccia (Oligocene) |
| Tl | Lamprophyre dike (Oligocene) |
| Tp | Phonolite (Oligocene) |
| Tta | Trachyandesite (Oligocene) |
| Tt | Trachyte (Oligocene) |
| Kn | Niobrara Formation (Upper Cretaceous) |
| Kc | Carlile Shale (Upper Cretaceous) |
| Kgh | Greenhorn Formation (Upper Cretaceous) |
| Kg | Graneros Shale (Upper Cretaceous) |
| Kd | Dakota Sandstone (Upper and Lower Cretaceous) |
| Jm | Morrison Formation (Upper Jurassic) (Sections only) |
| Jbr | Bell Ranch(?) Formation (Jurassic) (Sections only) |
| Je | Exeter Sandstone (Jurassic) (Sections only) |
| Ꞧd | Dockum Formation (Upper Triassic) (Sections only) |

CONTACT—Dashed where approximately located

FAULT—Showing dip; dashed where approximately located; dotted where concealed; U, upthrown side; D, downthrown side

ANTICLINE—Approximately located

STRIKE AND DIP OF BEDS
Inclined

Horizontal

STRIKE AND DIP OF FLOW STRUCTURES

PIT

SHAFT

CAVED ADIT

12 LOCALITY NUMBER OF VEIN—See tables

VEIN—Showing dip, dotted where not exposed

Base from northwest part of U.S. Geological Survey, Pine Buttes, 1:24,000 (1971)
Roads as of 1980

APPROXIMATE MEAN DECLINATION, 1985

SCALE 1:12 000

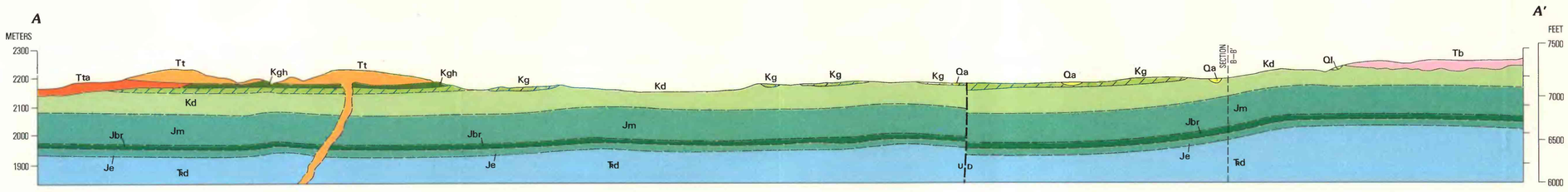
½ 0 1 MILE

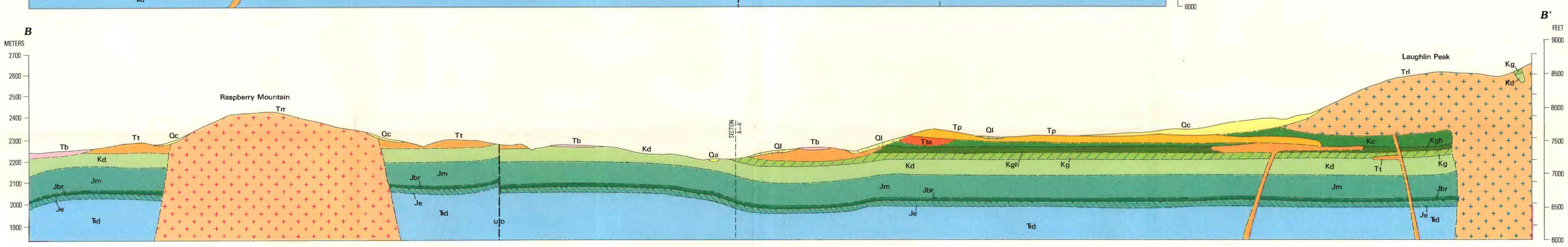
.5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

NEW MEXICO

Geology by M. H. Staatz, 1980




# GEOLOGIC MAP AND SECTIONS OF THE LAUGHLIN PEAK AREA, COLFAX COUNTY, NEW MEXICO