

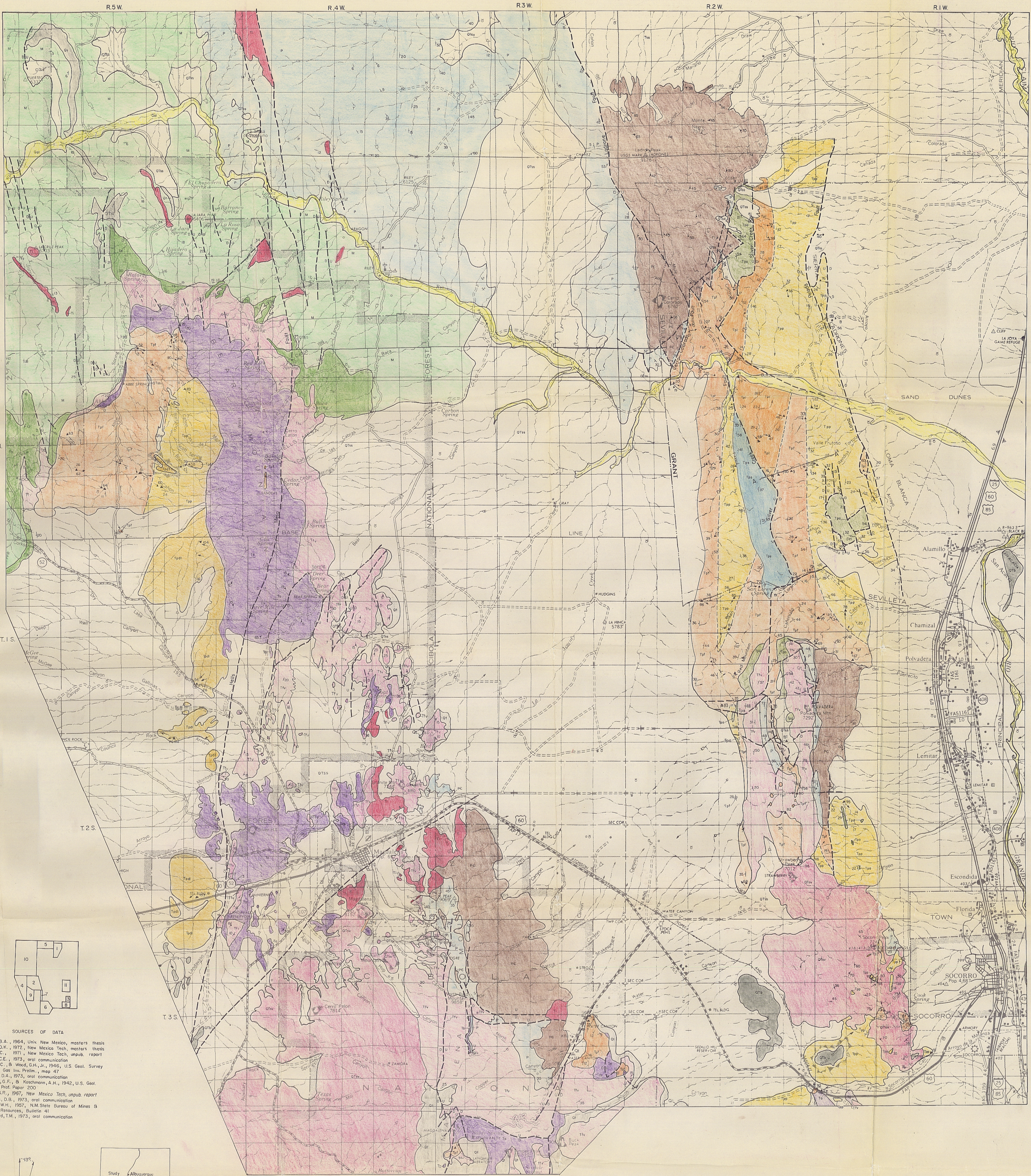
GENERALIZED GEOLOGIC MAP OF NORTHCENTRAL SOCORRO COUNTY, NEW MEXICO

JAMES E. BRUNING

1973

PLATE I

EXPLANATION



EXPLANATION

RECENT
0 to 10,000 Y.

- Qal Alluvium and stream gravels
- Qt Talus, landslide and colluvium
- Qtb Basalt flows
- Qts Upper Santa Fe sediments overlain by sediment, tephra, and other deposits of sand, gravel, and caliche

LATE MIOCENE - PLEISTOCENE
10 to 11.5 MY.

- Qtsv Santa Fe volcanics and intrusives

MIOCENE
10 to 24 MY.

POPOTOSA FORMATION

- Tpd Fanalagrate of Dry Lake Canyon Peak
- Tpl Fanalagrate of Ladron Peak
- Tpf Fanalagrate facies
- Tpa Plays facies
- Tps Andesite of Silver Creek
- Tpo Andesite undifferentiated

OLIGOCENE - MIOCENE
10 to 24 MY.

- Tof Tertiary andesites
- Tfv Tertiary felsic volcanics
- Tt Tertiary intrusives

Eocene
0.5 MY. to 35 MY.

- Tb Base Formation
- M Mesozoic undifferentiated
- P Late Paleozoic undifferentiated (Mississippian, Pennsylvanian, and Permian)
- PE Precambrian undifferentiated

Geological Symbols:

- Contact
- Facies boundary
- High angle fault (U: upthrown side, D: downthrown side)
- Primitive road
- Unimproved road
- Graded and drained road
- Intermittent stream
- Strike and dip of bedding
- Strike and dip of foliation
- Flow direction
- Pebble or cobble count location
- Type Section

SCALE 1:62,500

0 1000 2000 3000 4000 5000 6000 8000 10000 FT.

- SOURCES OF DATA**
1. Black, B.A., 1964, Univ. New Mexico, masters thesis
 2. Brown, D.K., 1972, New Mexico Tech, masters thesis
 3. Burton, C., 1971, New Mexico Tech, unpub. report
 4. Chapin, C.E., 1973, oral communication
 5. Kelly, V.C. & Wood, G.H., Jr., 1946, U.S. Geol. Survey Oil and Gas Inv. Prelim., map 47
 6. Kreweld, D.A., 1973, oral communication
 7. Loughlin, G.F. & Koschmann, A.H., 1942, U.S. Geol. Survey Prof. Paper 200
 8. Lowell, G.R., 1967, New Mexico Tech, unpub. report
 9. Simmons, D.B., 1973, oral communication
 10. Tomlin, W.H., 1957, N.M. State Bureau of Mines & Mineral Resources, Bulletin 41
 11. Woodward, T.M., 1973, oral communication

