



FORMATIONS

SEDIMENTARY ROCKS

- Gypsum sand (Yellow)
- Quartz sand with minor amounts of gypsum sand and gypsum dust (Orange)
- Clay, gypsum, and other physically and chemically deposited sediments on flats (Green)
- Clay, gypsum, gravel, and other sediments on slopes. Chiefly gypsum at the low levels, gravel and clay at the high levels, and adobe clay at intermediate levels; wind-blown gypsum and quartz sand occur locally. (Dark Green)

TOPOGRAPHIC FEATURES

- Dunes (Yellow)
- Alkali flats, occupying basins excavated by the wind (Orange)
- Stream-built slopes, modified by stream erosion, lacustrine deposition and erosion, wind work, and solution by underground water (Green)
- Rocky buttes (Blue)
- Malpais (Red)

DEPTH TO WATER TABLE (Forecast)

- Between 0 and 25 feet (Light Green)
- Between 25 and 60 feet (Medium Green)
- Between 60 and 100 feet (Dark Green)
- More than 100 feet (Very Dark Green)
- Undetermined (Blue)
- Probably between 0 and 100 feet (Red)

QUATERNARY

- Deposited chiefly by stream, lacustrine, and eolian waters (Yellow, Orange, Green)
- Deposited chiefly by stream, lacustrine, and eolian waters (Dark Green)
- Malpais group (Red)

IGNEOUS ROCKS

- Dark-gray indurated limestone containing marine fossils (Blue)
- Vesicular basalt (Red)

Contours on water table, indicating elevation of upper surface of underground water

- Contour interval 25 feet
- Datum is mean sea level

Well investigated (Circle with dot)

Well and pumping plant investigated (Circle with cross)

Boundaries of areas in which mesquite is the dominant vegetation (Red line)



DIAGRAM OF TOWNSHIP

6	5	4	3	2	1
17	16	15	14	13	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

APPROXIMATE MEAN ELEVATION 1915

R. B. Marshall, Chief Geographer.
 Sledge Tatum, Geographer in charge.
 Topography by C. J. Ballinger.
 Control by R. B. Robertson and K. W. Trimble.
 Surveyed in 1912.

MAP OF THE PRINCIPAL SHALLOW-WATER AREA OF TULAROSA BASIN, NEW MEXICO
 SHOWING GEOLOGIC FORMATIONS, UNDERGROUND WATER, AND VEGETATION

Geology, underground water, and vegetation
 by O. E. Meinzer, assisted by E. Carpenter.
 Surveyed in 1911.