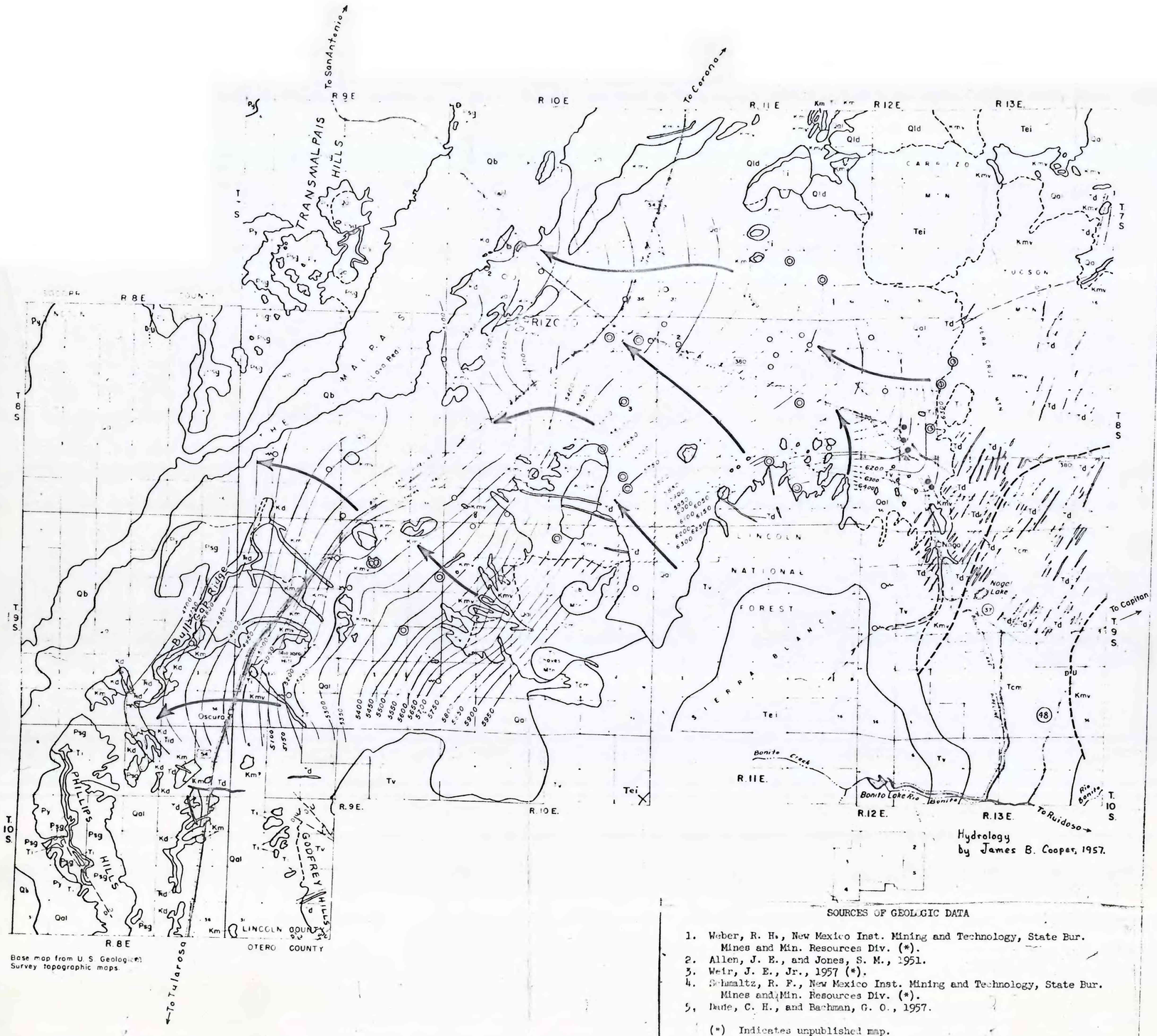
68-70




SOURCES OF GEOLOGIC DATA

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2. Allen, J. E., and Jones, S. M., 1951.
3. Weir, J. E., Jr., 1957 (*).
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5. Dane, C. H., and Bachman, G. O., 1957.

(*) Indicates unpublished map.

## EXPLANATION

### SEDIMENTARY ROCKS

**QUATERNARY**

**Qal** — Alluvium
Clay, silt, sand, gravel, boulders. May include some gravel of Tertiary age. Yields 10 to 400 gpm of water to wells

**Qld** — Landslide detritus
Mostly from Cretaceous rocks. Yields little or no water to wells

**TERTIARY(?)**

**Tcm** — Cub Mountain Formation of Bodine (1956)
Sandstone, quartzite, conglomerate. May yield water to wells where below water table

**CRETACEOUS**

Upper Cretaceous

**Kmv** — Mesaverde Group
Coal-bearing sandstone and shale. Yields 5 to 25 gpm of water to wells

**Km** — Mancos Shale
Dark fissile shale. Yields little or no water to wells

**Kd** — Dakota Sandstone
Buff sandstone. May yield water to wells

**TRIASSIC**

Upper Triassic

**Td** — Dockum Group
Red beds, siltstone, sandstone, and conglomerate. Yields little or no water to wells

**PERMIAN**

**Psg** — San Andres Limestone and Glorieta Sandstone
Limestone, gypsum, and sandstone. May yield water to wells in western part of area

**Py** — Yeso Formation
Gypsum, siltstone, limestone, and sandstone. May yield water to wells in western part of area

### IGNEOUS ROCKS

**QUATERNARY**

**Qb** — Basalt flow
Black to brown vesicular basalt. Yields no water to wells

**TERTIARY**

**Tv** — Extrusive rocks
Yields little or no water to wells

**Ti** — Intrusive rocks
Yields little or no water to wells

**Tei** — Extrusive and Intrusive rocks
Yields little or no water to wells

**Td** — Dike

Fault
u, upthrown side; d, downthrown side

Well in Alluvium

Well in Cretaceous rocks

Well in Alluvium and Cretaceous rocks

$O_2$
Numeral represents number of wells at indicated location

Spring

Contact between geologic formations; dashed where data meager

4800
Contour line drawn on water table; dashed where data meager. Contour interval 50 feet. Datum mean sea level

Direction of ground water movement

1 0 1 2 3 Miles

FIGURE 22 -- MAP OF THE CARRIZOZO AREA, LINCOLN COUNTY, N. MEX., showing geology, water wells, and altitude of the water table, April 1957