

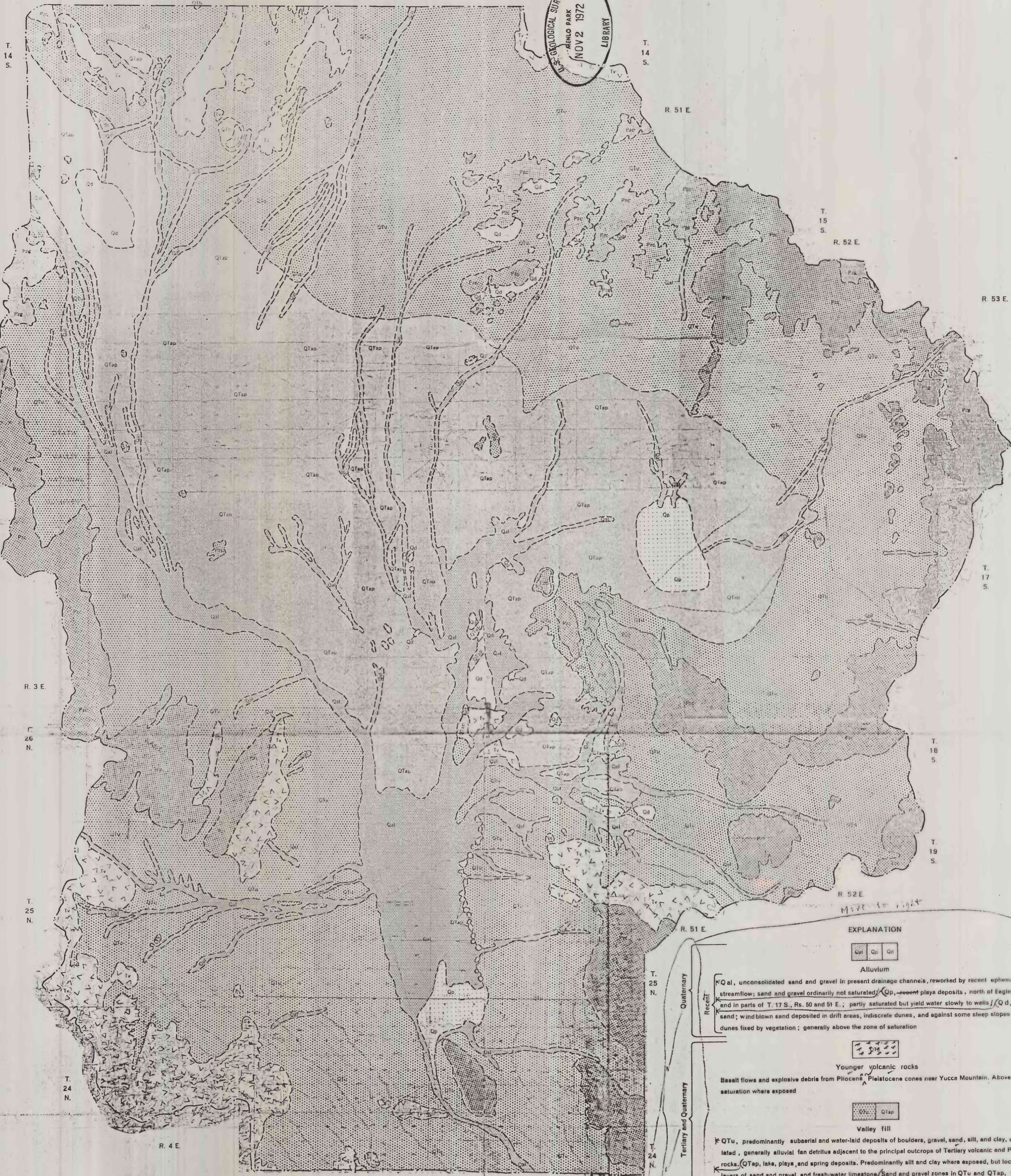
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EXPLANATION

Quaternary

Recent

Qal, Qd, Qlap

Alluvium

Qal, unconsolidated sand and gravel in present drainage channels, reworked by recent ephemeral streamflow; sand and gravel ordinarily not saturated; Qd, recent plays deposits, north of Eagle Mountain and in parts of T. 17 S., Rs. 50 and 51 E.; partly saturated but yield water slowly to wells; Qd, dune sand; wind-blown sand deposited in drift areas, indistinct dunes, and against some steep slopes; locally dunes fixed by vegetation; generally above the zone of saturation

Tertiary and Quaternary

Qlu, Qlap

Valley fill

Qlu, predominantly subaerial and water-laid deposits of boulders, gravel, sand, silt, and clay, undifferentiated, generally alluvial fan detritus adjacent to the principal outcrops of Tertiary volcanic and Paleozoic rocks; Qlap, lake, plays, and spring deposits. Predominantly silt and clay where exposed, but locally include layers of sand and gravel, and fresh-water limestones; Sand and gravel zones in Qlu and Qlap, where saturated, comprise principal supply to large-yield wells

Tertiary

Volcanic rocks

Largely volcanic tuff and ash fall material, locally welded; includes some flows. Yields to wells small unless developed throughout thick section of saturated tuff or in highly fractured welded tuff

Paleozoic

Sedimentary rocks

Pzc, Limestone and dolomite of Paleozoic age; transmits water freely where highly fractured or where solution openings occur; Pzg, quartzite or sandstone and argillite of Paleozoic age or, southwest of Big Dune, of Precambrian (?) age

Geologic contact, approximate

Boundary of Death Valley National Monument

Boundary of plate, in part drainage divide

Boundary of military reservation

Scale 1:125,000

0 2 1/2 Miles

1962

Base: U. S. Geological Survey 1:62,500 scale Topographic quadrangles; Ash Meadows (1952), Big Dune (1952), Eagle Mountain (1951), Ryan (1952), and Specter Range (1952); and Lathrop Wells (unpublished); and 1:250,000 scale Topographic quadrangle, Death Valley (1958)

PLATE 2. GENERALIZED GEOLOGY MAP OF THE AMARGOSA DESERT IN THE VICINITY OF LATHROP WELLS, NEVADA AND DEATH VALLEY JUNCTION, CALIFORNIA