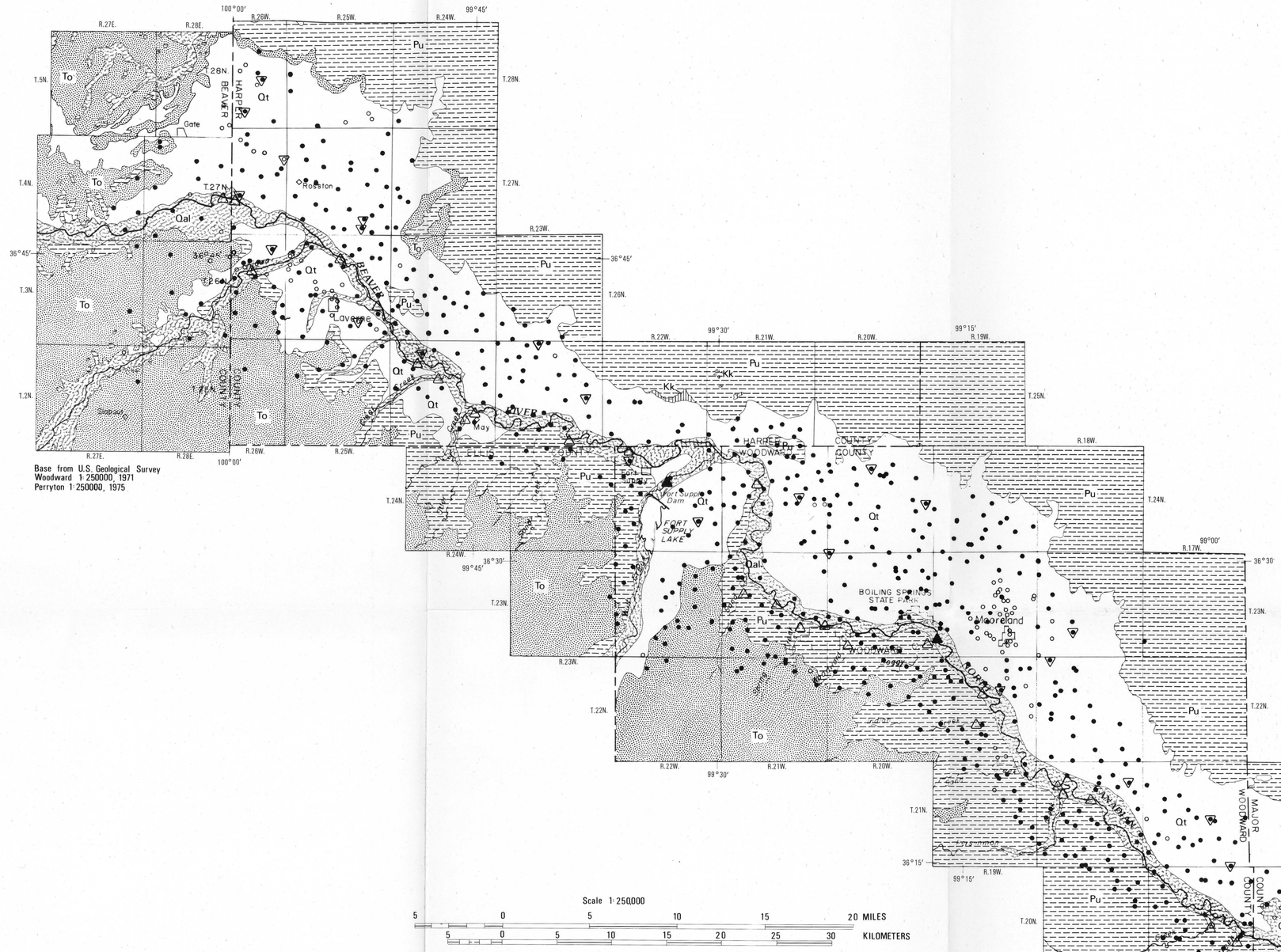

Base from U.S. Geological Survey
Woodward 1:250000, 1971
Perryton 1:250000, 1975

Scale 1:250000

5 0 5 10 15 20 MILES

5 0 5 10 15 20 25 30 KILOMETERS

Geology from Morton (1980) and Barnes (1970)

EXPLANATION

QUAT ARY
- Qal — ALLUVIUM AND LOW TERRACE DEPOSITS
- Qt — HIGH TERRACE DEPOSITS — Also includes windblown dune sand, playa deposits, and volcanic ash

TERTIARY
- To — OGALLALA FORMATION

CRETACEOUS
- Kk — KIOWA FORMATION

PERMIAN
- Pu — PERMIAN FORMATIONS UNDIFFERENTIATED — Includes the Cloud Chief Formation, Rush Springs Formation, Marlow Formation, Dog Creek Formation, Blaine Formation, and Flowerpot Shale

- GEOLOGIC CONTACT
- DOMESTIC WELL, STOCK WELL, OR TEST HOLE
- INDUSTRIAL, IRRIGATION, OR PUBLIC-SUPPLY WELL
- SPRING
- ▲ CONTINUOUS-RECORD STREAMFLOW GAGING STATION
- △ STREAMFLOW MEASUREMENT SITE
- ▽ WATER-QUALITY SAMPLING SITE

The stratigraphic nomenclature is that of the Oklahoma Geological Survey and does not necessarily agree with that of the U.S. Geological Survey.

MAP SHOWING GEOLOGY AND LOCATION OF DATA-COLLECTION SITES ALONG THE BEAVER-NORTH CANADIAN RIVER, NORTHWESTERN OKLAHOMA.