

EXPLANATION

Pleistocene and Recent

QUATERNARY

Tertiary

Eocene

Qal
Alluvium
Gravel, sand, and silt

Ts
Sparta Sand
Sand, silty sand, and sandy shale.

Tw
Weches Greensand
Glauconitic sand, sandstone, shale, limestone, and marl.

Tqc
Queen City Sand
Sand and lignitic and sandy shale.

Contact
Dashed where approximately located; dotted where concealed

Fault
U, upthrown side, D, downthrown side; dashed where inferred

River mile upstream from mouth

Total dissolved solids in parts per million
Bicarbonate in parts per million

Measurement site number
Discharge in cubic feet per second
Streambed material
Water temperature (°F)

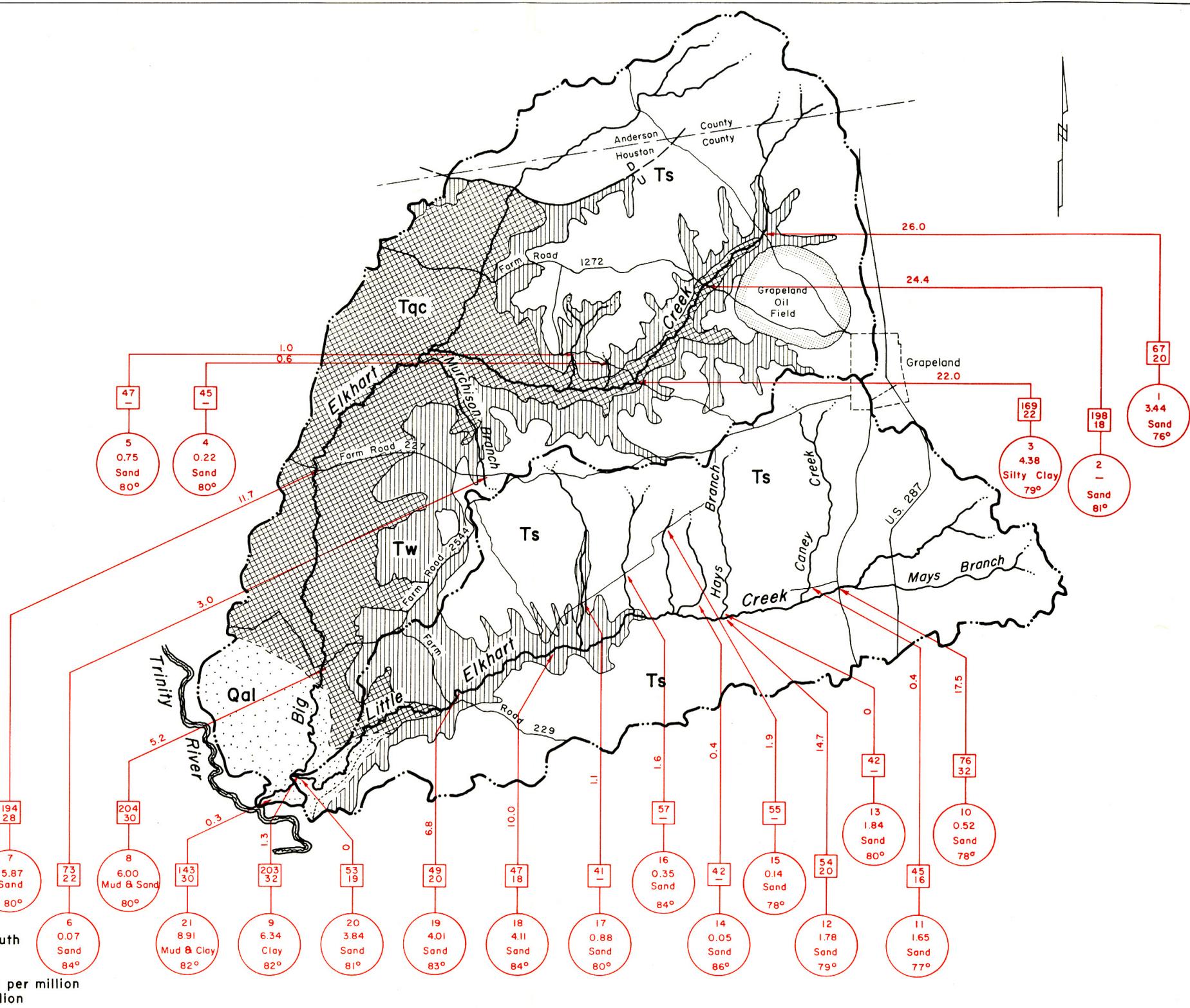


Figure 5
Geologic Map of the Big Elkhart and Little Elkhart Creeks Watersheds Showing Water Discharge and Chemical Character of Surface Water, September 15-16, 1965

U.S. Geological Survey in cooperation with the Texas Water Development Board

Geology modified from Geologic Map of Texas, (Darton and others, 1937); maps supplied by the Humble Oil Company; Stenzel (1938); and Tarver (1965)

Base from U.S. Geological Survey topographic quadrangles