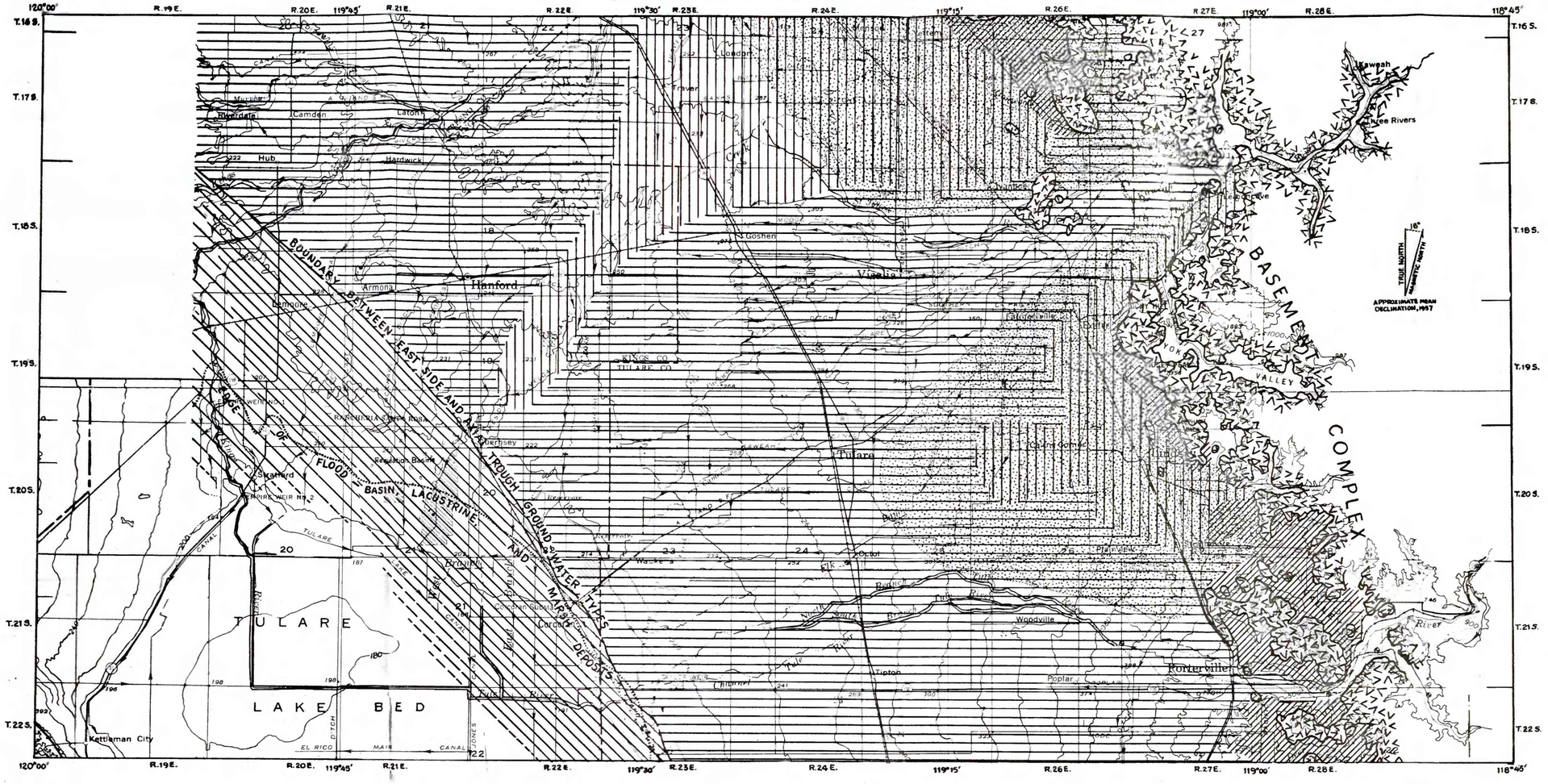
U.S. GEOLOGICAL SURVEY

Prepared in cooperation with CALIFORNIA DEPARTMENT OF WATER RESOURCES



EXPLANATION

EAST SIDE

Ground-water types in younger alluvium and oxidized older alluvium

Vertical lines indicate calcium bicarbonate water. Stippling indicates calcium, magnesium, and sodium may be of equal concentration. Horizontal lines indicate chloride may occur in concentrations greater than 1.0 equivalent per million

Ground-water types in oxidized continental deposits

Diagonal lines indicate sodium bicarbonate water. Stippling indicates calcium, magnesium, and sodium may be of equal concentration, and chloride may occur in concentrations greater than 1.0 equivalent per million

AXIAL TROUGH

Sodium bicarbonate water

Sodium bicarbonate to sodium sulfate water

Ground-water types between the E-clay and the A-clay

MAP SHOWING AREAL DISTRIBUTION OF GROUND WATER TYPES, HANFORD-VISALIA AREA, SAN JOAQUIN VALLEY, CALIFORNIA