



EXPLANATION

HYDROLOGY

— 2400 POTENTIOMETRIC CONTOUR—Shows approximate altitude at which water level would have stood in wells tapping shallow aquifers.

— 2390 WELL SITE—Number is altitude of water level, in feet above mean sea level. r. indicates reported water level. Line under number indicates water level is from a deep aquifer and data do not fit the contour interval.

→ ARROW—Indicates general direction of ground-water movement

— BOUNDARY OF DETAILED STUDY

• 2390r WELL SITE—Number is altitude of water level, in feet above mean sea level. r. indicates reported water level. Line under number indicates water level is from a deep aquifer and data do not fit the contour interval.

— SPRING

△ STREAMFLOW MEASUREMENT SITE—Letter refers to location described in text. Solid symbol represents continuous-record gaging station. Open symbol represents measurement site without a gage.

▼ QUALITY-OF-WATER SITE—Solid symbol represents active site

CHEMICAL QUALITY OF WATER

Chemical constituents diagram

Ground water

Shows concentration of cations and anions, in milliequivalents per liter. Number above diagram is dissolved-solids concentration, in milligrams per liter. Letters below diagram are abbreviations for geologic source: Kfh, Fox Hills-Hell Creek aquifer of Late Cretaceous age; Tf, Fort Union Formation of Tertiary age; Tf, Flaxville Formation of Tertiary age; Qo, glacial outwash of Quaternary age; and Qal, alluvium of Quaternary age.

Sodium (Na) — Chloride (Cl)
Calcium (Ca) — Bicarbonate (HCO_3^-)
Magnesium (Mg) — Sulfate (SO_4^{2-})
Qo

Surface water

Shows concentration of cations and anions, in milliequivalents per liter. Number above diagram is dissolved-solids concentration, in milligrams per liter. Numbers below diagram are month, day, and year of collection.

Sodium (Na) — Chloride (Cl)
Calcium (Ca) — Bicarbonate (HCO_3^-)
Magnesium (Mg) — Sulfate (SO_4^{2-})
8-17-77

1/2 0 1 MILE
5 0 KILOMETER
CONTOUR INTERVAL 10 FEET
NATIONAL GEODIGIC VERTICAL DATUM OF 1929

Base from U.S. Geological Survey, Four Buttes, Four Buttes NE, Four Buttes NW, Killenbeck Reservoir, Modoc, Scobey, Scobey NW, and Si Merrill Slough, 1:24,000, 1973