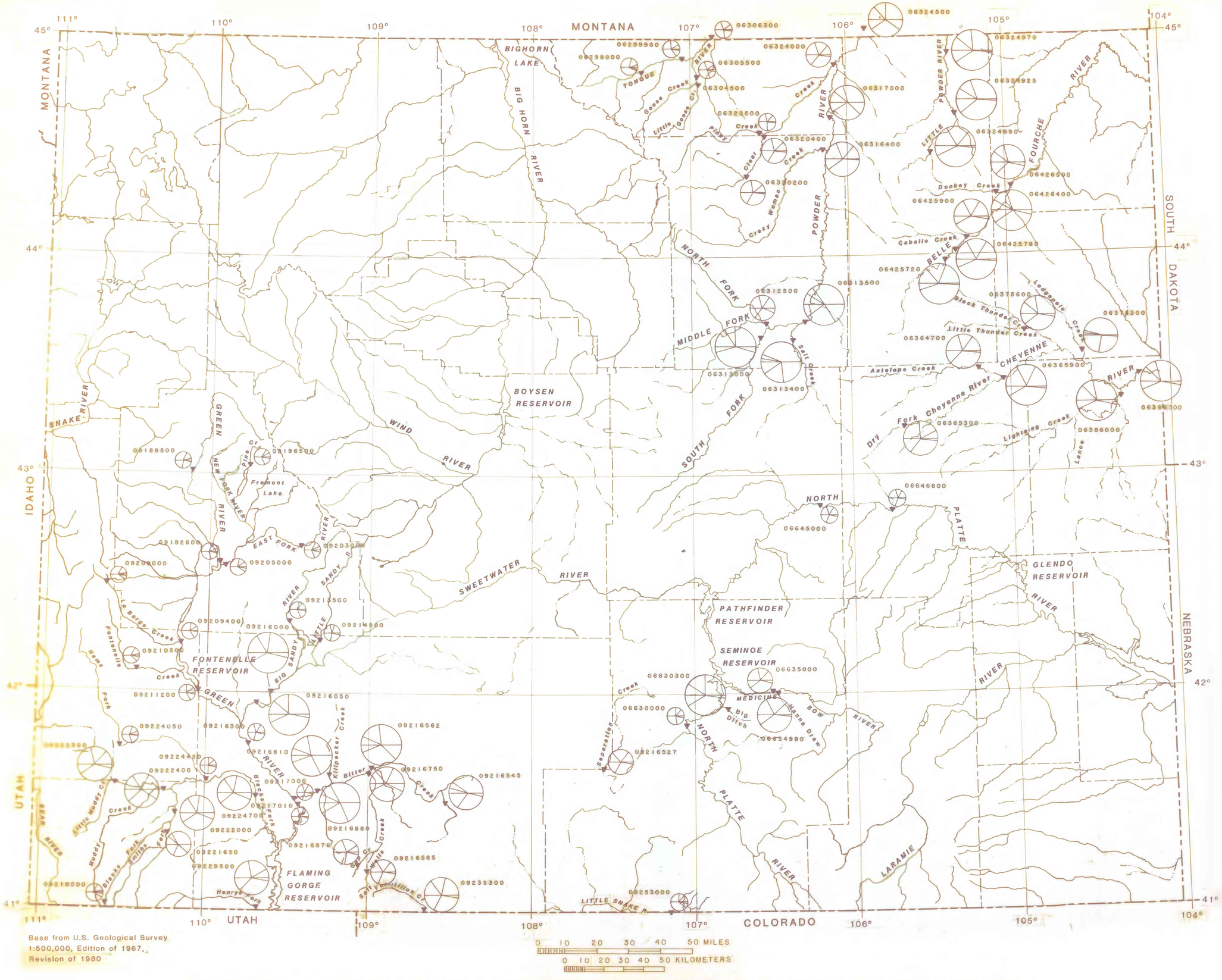


EXPLANATION

06426500 — WATER-QUALITY SAMPLING STATION, NUMBER, AND PIE DIAGRAM

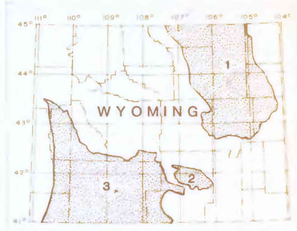
PIE DIAGRAM
Range of mean dissolved-solids concentrations, in milligrams per liter

Greater than 2000	1000 to 2000	500 to 999	Less than 500

Proportion of major ions

CATIONS (top half): Magnesium, Calcium, Sodium + potassium
ANIONS (bottom half): Bicarbonate, Sulfate, Chloride

The area of each of the six divisions of the pie diagram is proportional to the ion's percentage of the total milliequivalents of the ions in the diagram. The milliequivalent values were calculated from mean concentrations of the ions as listed in the descriptive statistics tables. The bicarbonate milliequivalent values were calculated from the mean alkalinity concentrations.



LOCATION OF COAL AREAS
1. Powder River coal basin
2. Hanna coal field
3. Green River coal region

Source: Glass (1978)

Base from U.S. Geological Survey
1:500,000, Edition of 1967,
Revision of 1980

0 10 20 30 40 50 MILES
0 10 20 30 40 50 KILOMETERS

MAP SHOWING DISSOLVED-SOLIDS CONCENTRATIONS AND PROPORTIONS OF MAJOR IONS IN STREAMS IN AND NEAR THE POWDER RIVER COAL BASIN, THE HANNA COAL FIELD, AND THE GREEN RIVER COAL REGION, WYOMING