



Base from U.S. Geological Survey  
Coleman Draw, 1966; Yeager Butte,  
1967; Ashland, King Mountain, Willow  
Crossing quadrangles, photorevised 1978;  
1:24,000

**EXPLANATION**

- Qal ALLUVIUM (HOLOCENE AND PLEISTOCENE)
- Tff TONGUE RIVER MEMBER OF FORT UNION FORMATION (PALEOCENE)
- CLINKER FROM BURNED KNOB-LOCH COAL BED(S)—Sawteeth on base of bed; dashed line is approximate limit of burning
- CLINKER FROM BURNED ANDERSON COAL BED—Sawteeth on base of bed
- CONTACT
- A|—|A' TRACE OF IDEALIZED STRATI-GRAPHIC SECTION (fig. 3)
- SUBAREA BOUNDARY
- BOUNDARY OF OTTER CREEK DRAINAGE BASIN
- TR-91 DATA SITE AND NUMBER (tables 17 and 18)—Abbreviation identifies aquifer: AL, alluvium; TR, Tongue River Member of Fort Union Formation. All sites, except TR-130 and TR-143 on a trace of a section, were used to measure specific conductance of a water sample
- APPROXIMATE LIMIT OF STRIP-PABLE KNOBLOCH COAL—Limit of strippable coal after Matson and Blumer (1973)

Geologic mapping after McKay (1976,  
1976 b)

CONTOUR INTERVAL 20 FEET  
DATUM IS SEA LEVEL

MAP SHOWING SURFICIAL GEOLOGY AND LOCATION OF WATER-QUALITY SAMPLING SITES IN THE OTTER CREEK AREA, SOUTHEASTERN MONTANA