

106° 20'

R.44E. R.45E.

106° 15'

45° 12'30"

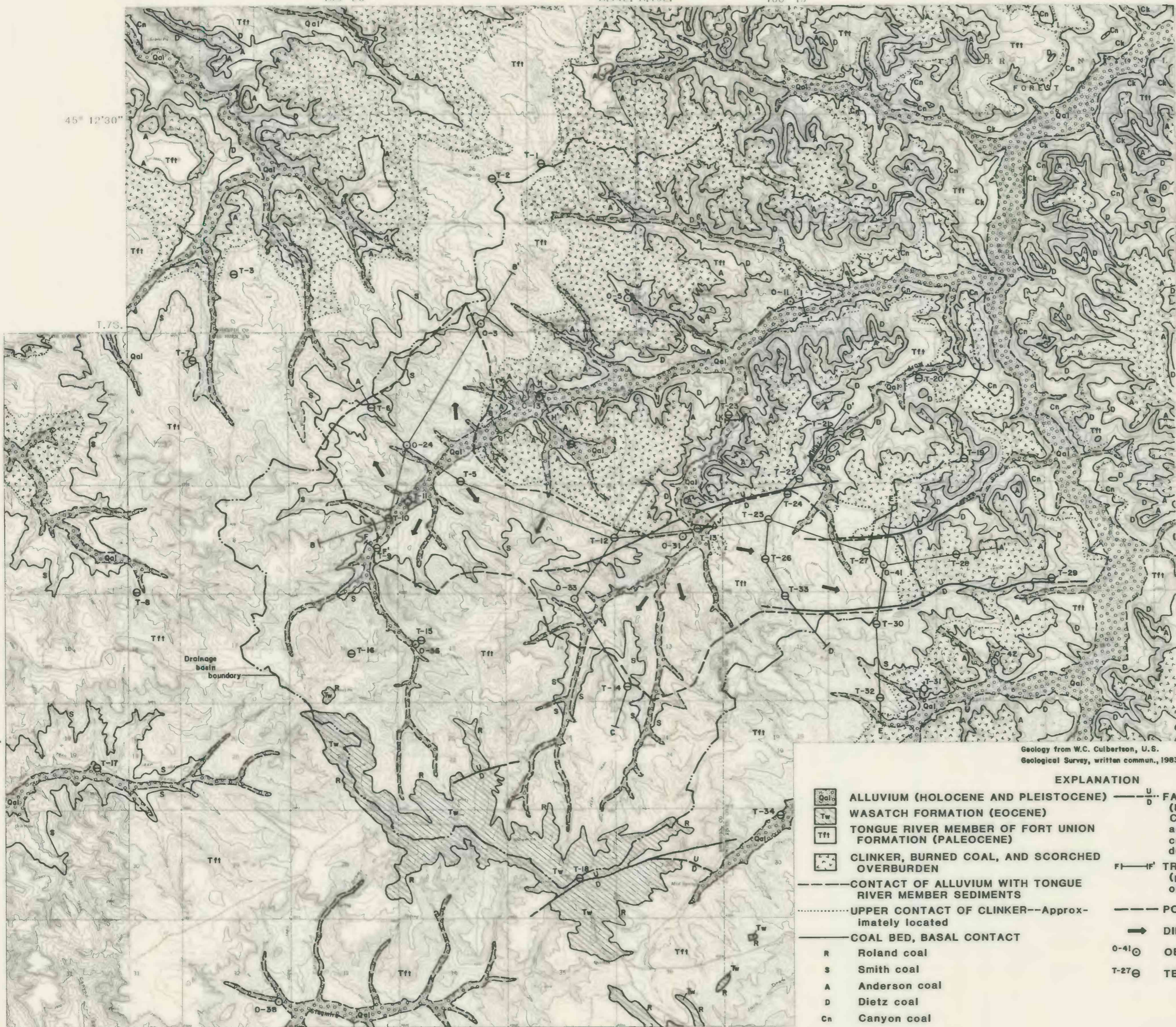
T.8S.

T.7S.

T.7S.

T.8S.

45° 07'30"

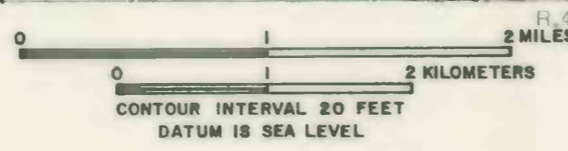


Geology from W.C. Culbertson, U.S. Geological Survey, written commun., 1983

EXPLANATION

- | | | | |
|----|---|--|---|
| | ALLUVIUM (HOLOCENE AND PLEISTOCENE) | | FAULT MAPPED BY W.C. CULBERTSON (U.S. GEOLOGICAL SURVEY, WRITTEN COMMUN., 1983)--Dashed where approximately located. Dotted where concealed. U, upthrown side; D, downthrown side |
| | WASATCH FORMATION (EOCENE) | | TRACE OF IDEALIZED GEOLOGIC SECTION (pl. 3)--Based on test-hole and observation-well data |
| | TONGUE RIVER MEMBER OF FORT UNION FORMATION (PALEOCENE) | | POTENTIAL MINE PIT FINAL BOUNDARY |
| | CLINKER, BURNED COAL, AND SCORCHED OVERBURDEN | | DIRECTION OF MINE PIT ADVANCE |
| | CONTACT OF ALLUVIUM WITH TONGUE RIVER MEMBER SEDIMENTS | | OBSERVATION WELL AND NUMBER |
| | UPPER CONTACT OF CLINKER--Approximately located | | TEST HOLE AND NUMBER |
| | COAL BED, BASAL CONTACT | | |
| R | Roland coal | | |
| S | Smith coal | | |
| A | Anderson coal | | |
| D | Dietz coal | | |
| Cn | Canyon coal | | |
| Ck | Cook coal | | |

Base from U.S. Geological Survey
Bear Creek, Hamilton Draw, Otter and
Quietus quadrangles, 1972, 1:24,000



GEOLOGIC MAP SHOWING OUTCROPS OF COAL BEDS, MAJOR CLINKER LAYERS, FAULTS, AND LOCATION OF THE POTENTIAL MINE PIT IN AND NEAR THE LITTLE BEAR CREEK AREA, SOUTHEASTERN MONTANA