

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

STATE OF UTAH  
UTAH GEOLOGICAL AND MINERAL SURVEY

HELPER QUADRANGLE  
UTAH-CARBON CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

EXPLANATION

1000  
800

OVERBURDEN ISOPACHS - Showing thickness of overburden, in feet, from the surface to top of the Castlegate "A" coal bed. Isopach interval 200 feet (61.0 m).

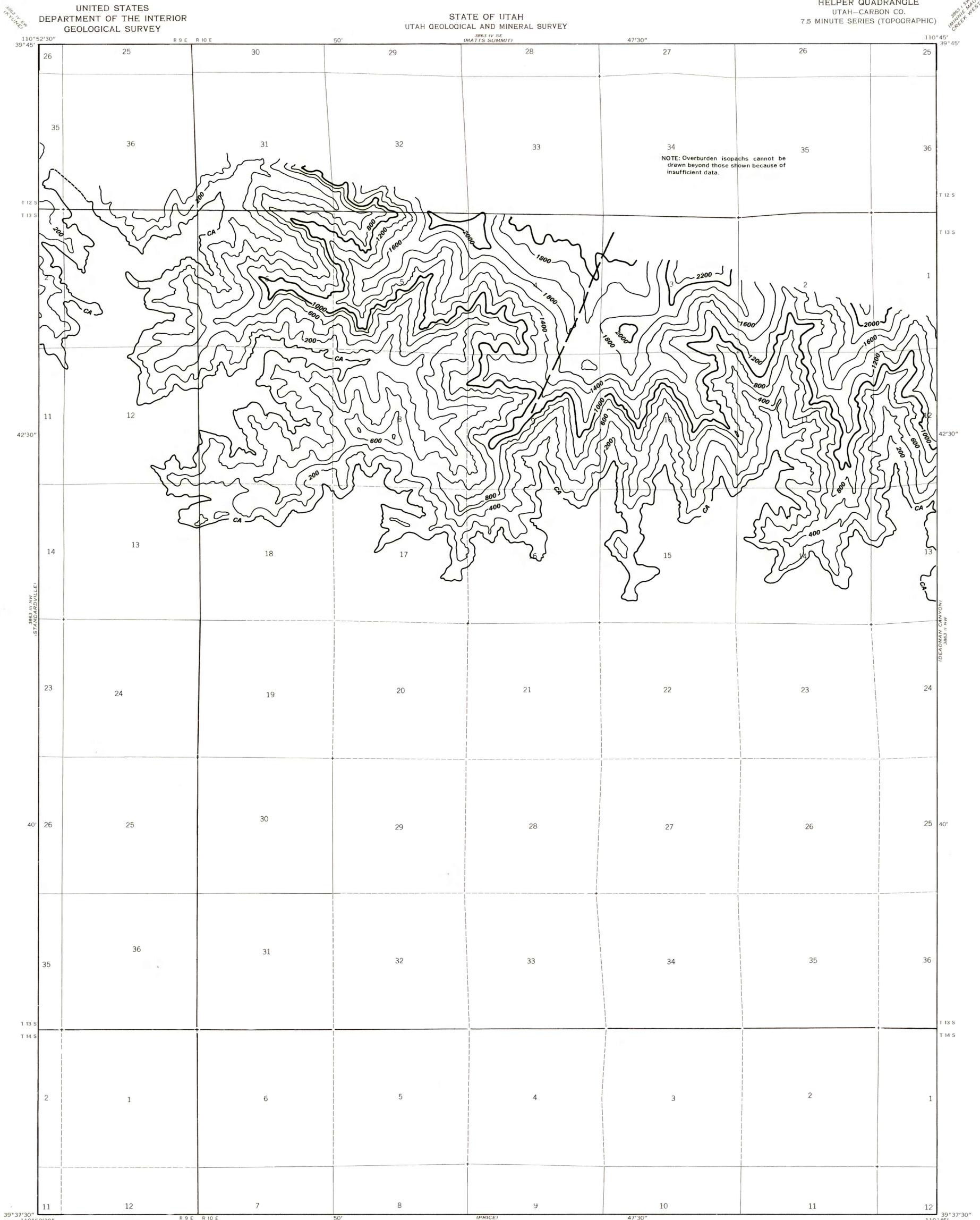
CA

TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed. Dashed where inferred by present authors.

FAULT - Dashed where approximately located.

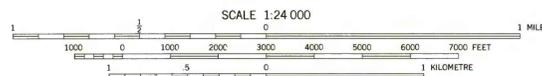
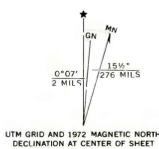
To convert feet to meters, multiply feet by 0.3048

NOTE: Overburden isopachs cannot be drawn beyond those shown because of insufficient data.



Base from U.S. Geological Survey, 1972

Compiled in 1978



# COAL RESOURCE OCCURRENCE MAP OF THE HELPER QUADRANGLE, CARBON COUNTY, UTAH

BY  
AAA ENGINEERING AND DRAFTING, INC.  
1979

PLATE 21  
OVERBURDEN ISOPACH MAP  
OF THE  
CASTLEGATE "A" COAL BED