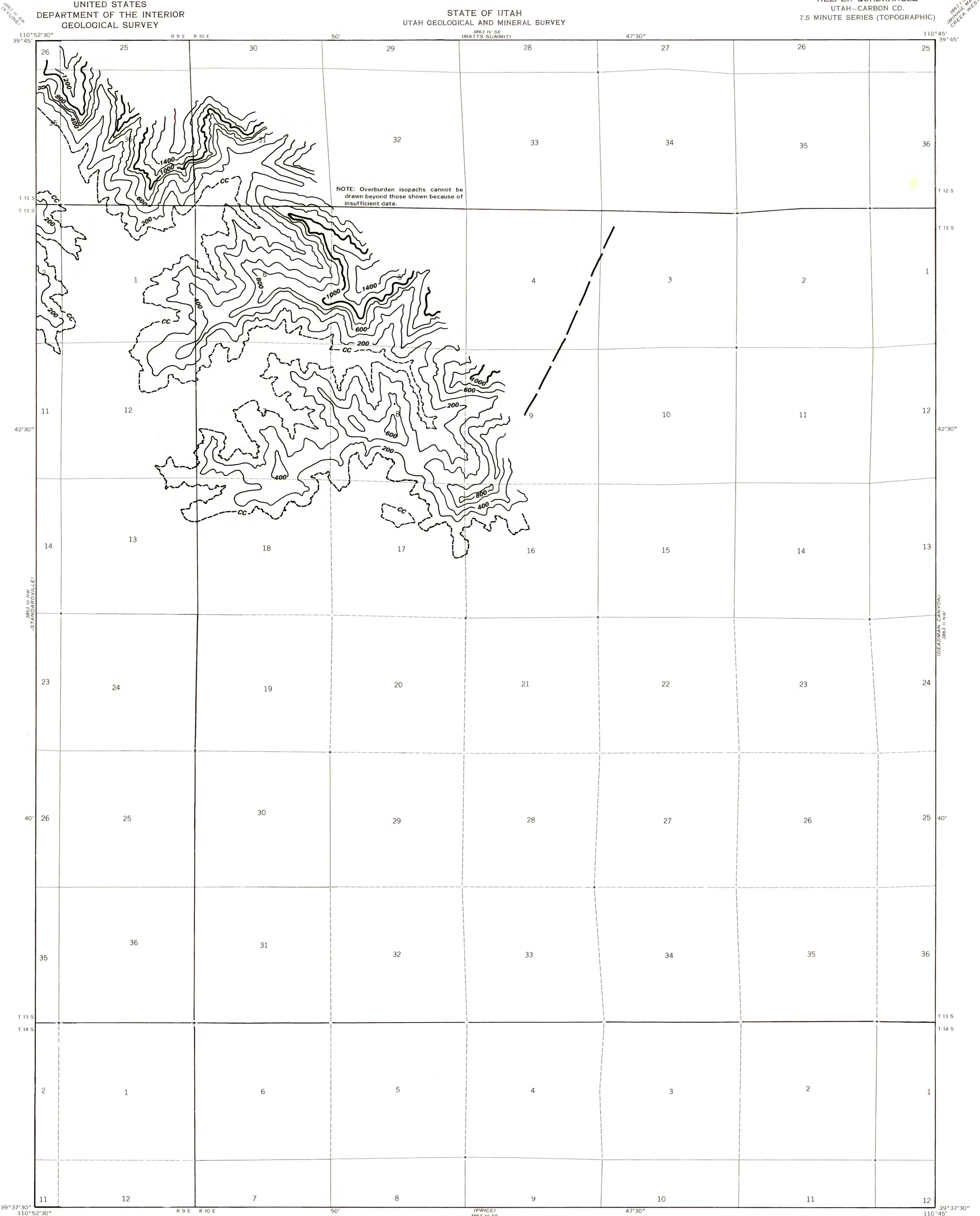


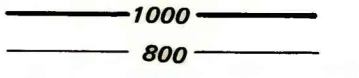
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

STATE OF UTAH  
UTAH GEOLOGICAL AND MINERAL SURVEY

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



EXPLANATION



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

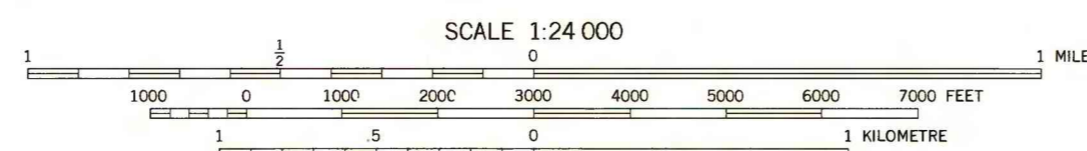
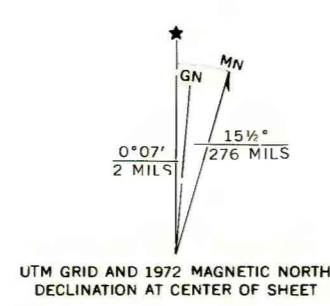
TRACE OF COAL BED OUTCROP—Showing symbol of name of coal bed. Dashed where inferred by present authors.

FAULT—Dashed where approximately located.

To convert feet to meters, multiply feet by 0.3048.

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 10  
OVERBURDEN ISOPACH MAP  
OF THE  
CASTLEGATE "C" COAL BED