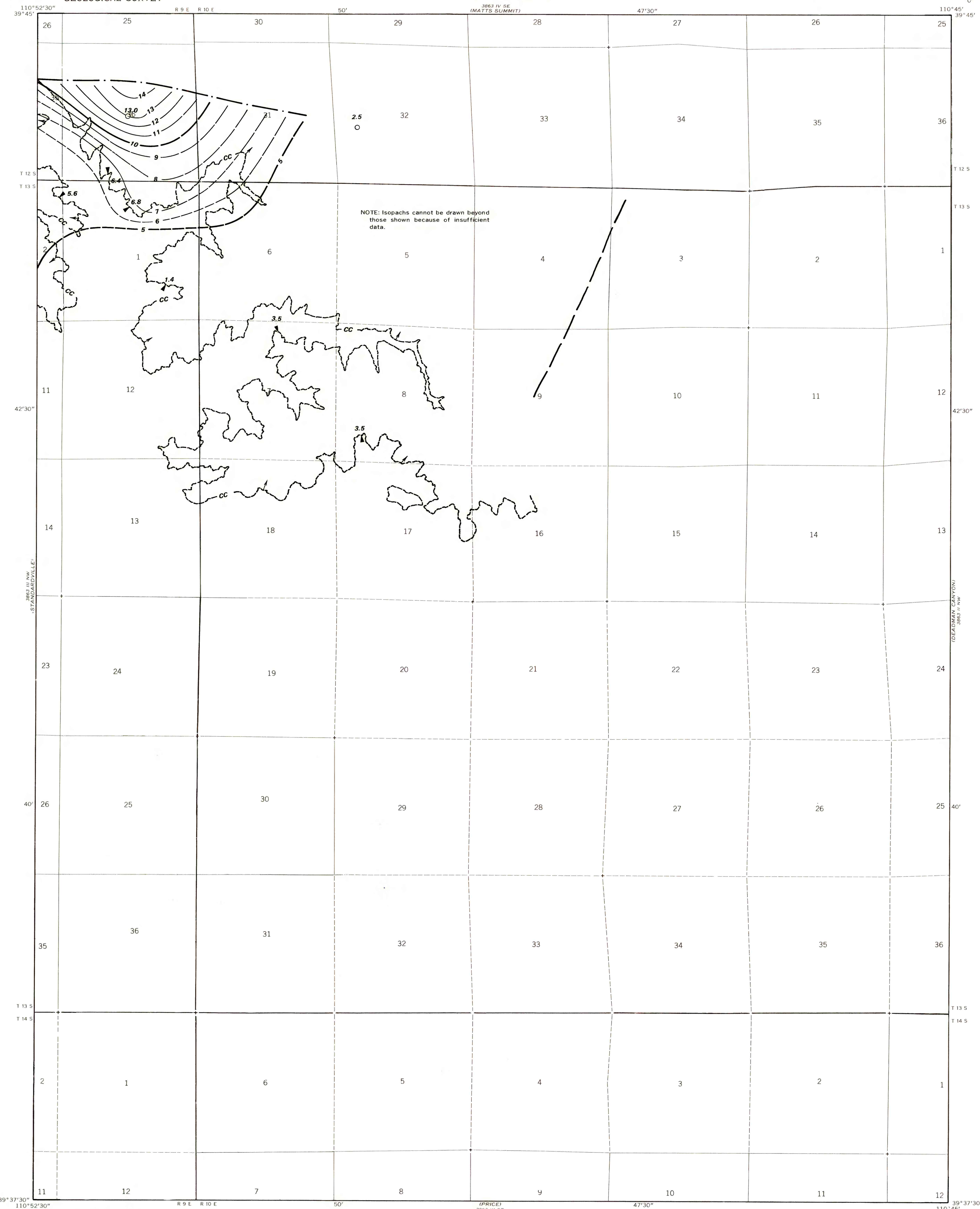


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

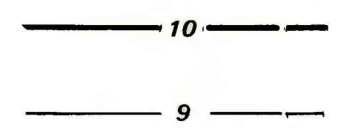
STATE OF UTAH
UTAH GEOLOGICAL AND MINERAL SURVEY

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

3863 1/4 SW
MIDDLE MAIN
CREEK (W.25)



EXPLANATION



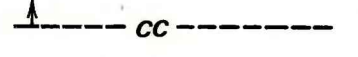
ISOPACHS—Showing thickness of coal, in feet. Long dashed where inferred, short dashed where projected above land surface. Isopach interval 1 foot.



DRILL HOLE—Showing thickness of coal, in feet. Drill holes which do not intersect the coal or from which a coal thickness could not be determined are not shown.



POINT OF MEASUREMENT—Showing thickness of coal, in feet. Includes all points of measurement other than drill holes.

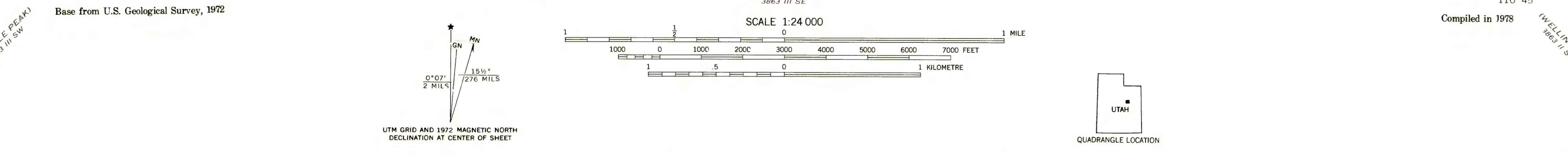


TRACE OF COAL BED OUTCROP—Showing symbol of name of coal bed. Arrow points toward coal-bearing area. Dashed where inferred by present authors.

INSUFFICIENT DATA LINE—Coal thickness cannot be determined beyond line shown because of insufficient data.

FAULT—Dashed where approximately located.

To convert feet to meters, multiply feet by 0.3048.



COAL RESOURCE OCCURRENCE MAP OF THE HELPER QUADRANGLE, CARBON COUNTY, UTAH
BY
AAA ENGINEERING AND DRAFTING, INC.
1979