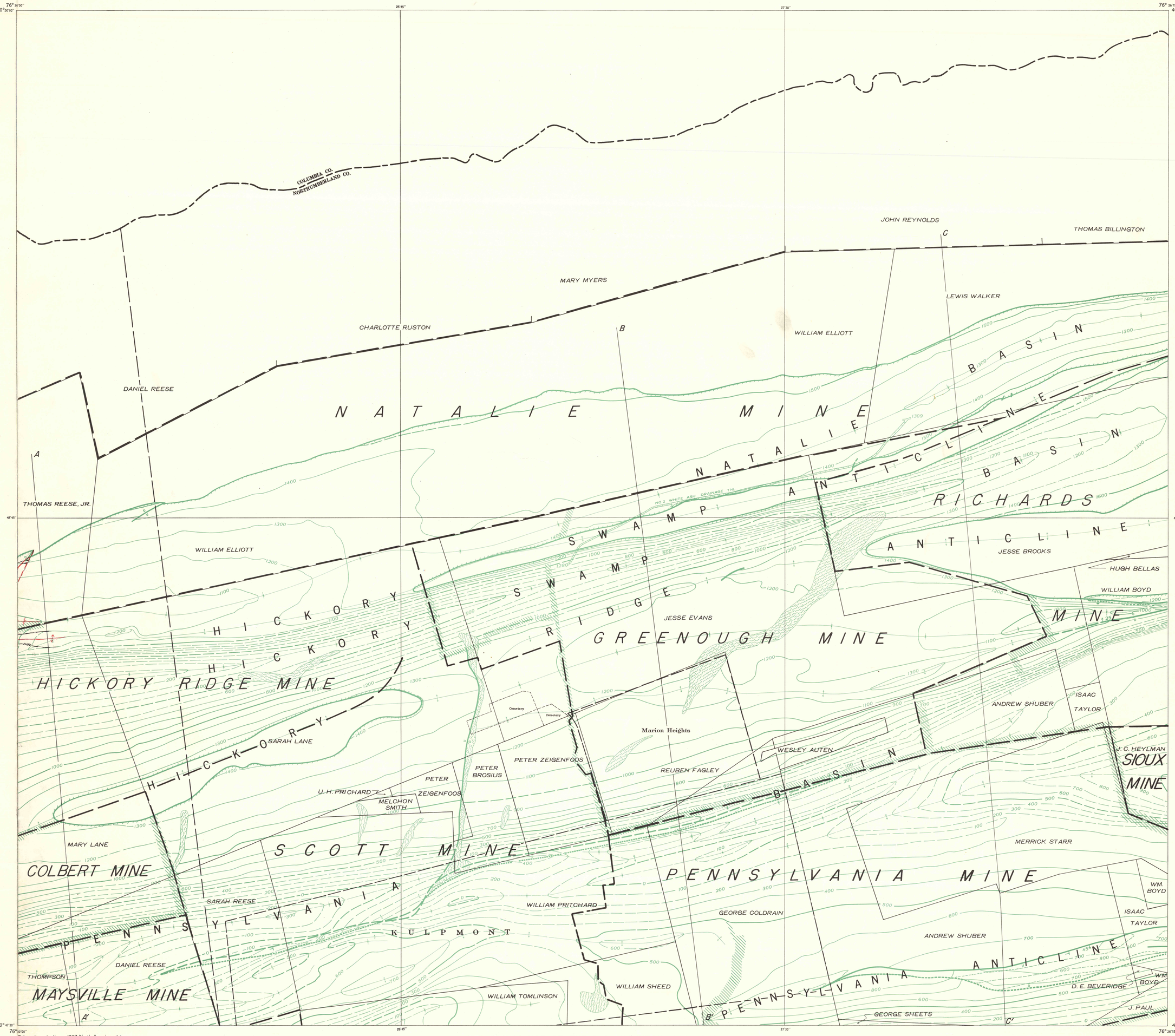

Polyconic projection. 1927 North American datum

STRUCTURE MAP OF THE BUCK MOUNTAIN COAL BED

SCALE 1:6,000

500 0 500 1000 2000 3000 Feet

Contour interval is 100 feet
Datum is mean sea level

TRUE NORTH
MAGNETIC NORTH
5°
APPROXIMATE MEAN DECLINATION, 1944

DIAGRAM OF A TOPOGRAPHIC QUADRANGLE SHOWING THE AREA INCLUDED IN THIS MAP

Prepared in 1948 from data supplied by the Natalie Coal Corporation, Lehigh Valley Coal Company, and Susquehanna Collieries Company with modifications by the Geological Survey, United States Department of the Interior.

EXPLANATION

J. PAUL
Warranty tract
Boundaries indicated for general orientation and identification, but not authenticated for legal purposes.

Boundary of mine

Area reserved for barrier pillars in Buck Mountain coal bed

Outcrop of the Buck Mountain coal bed

700 600 500 400 300

Contours on the bottom of the Buck Mountain coal bed
Solid in mined areas; long dashes in unmined areas; in those places where a part of the bed lies beneath another part of the same bed, short dashes are used in mined areas and very short dashes in unmined areas.

D U 25

Fault cutting the Buck Mountain coal bed showing dip and relative position of faulted segments
Long dashes where approximately located; short dashes indicate approximate location of fault trace on underlying bed where beds are duplicated by faulting. U, *upthrown side;* D, *downthrown side;* ⊣ *is on upper segment.*

Shear zone

Anticline
Showing position of crest. dashed where approximately located.

Syncline
Showing position of trough; dashed where approximately located.

Drainage tunnel

GEOLOGY OF ANTHRACITE IN THE WEST-CENTRAL PART OF THE MOUNT CARMEL QUADRANGLE, PENNSYLVANIA

BY
Howard E. Rothrock, Holly C. Wagner and Boyd R. Haley

1950

Drafted by John T. Howells

COAL INVESTIGATIONS
MAP C3 (IN 3 SHEETS) SHEET 2