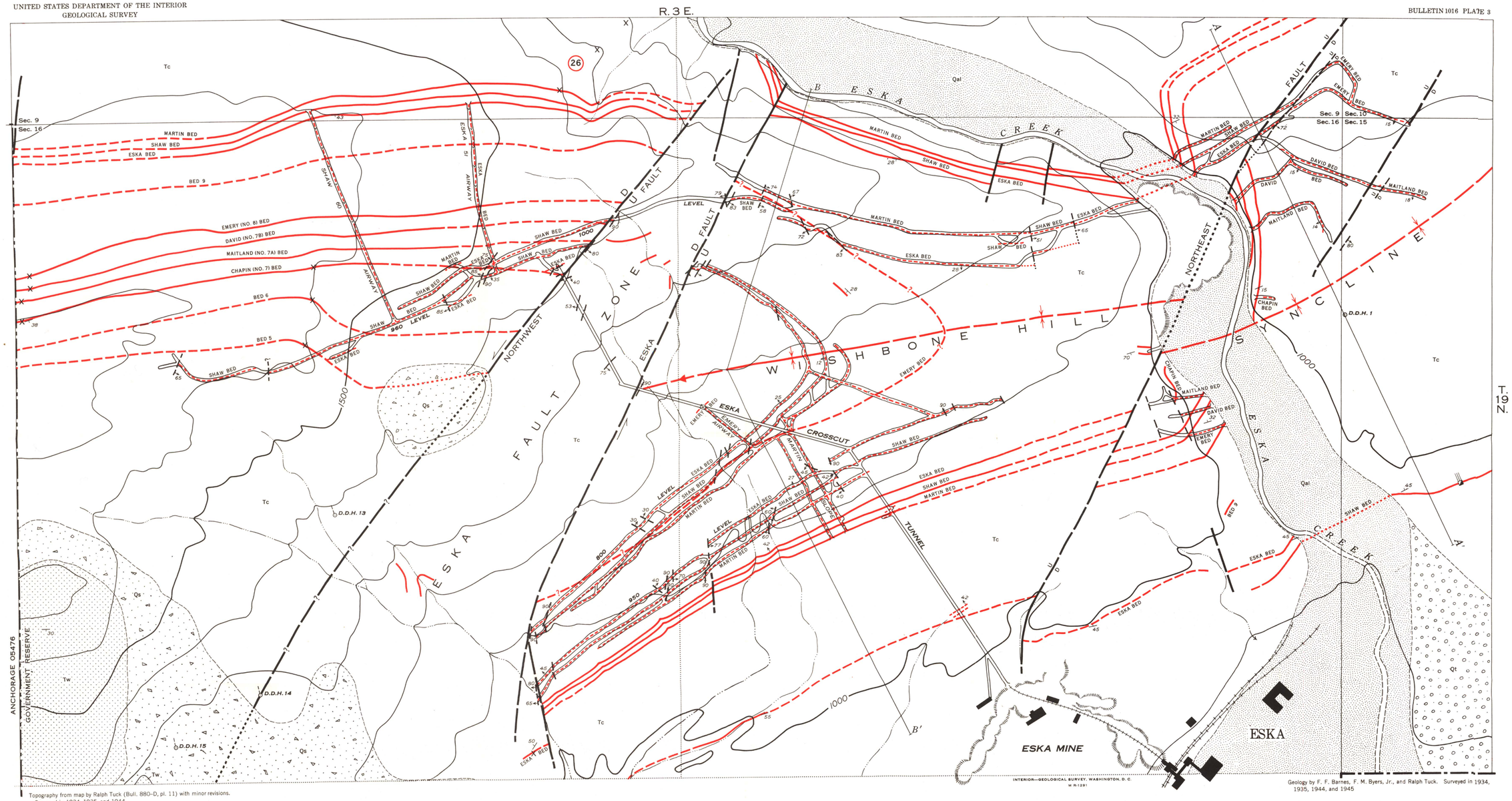

Topography from map by Ralph Tuck (Bull. 880-D, pl. 11) with minor revisions.
Surveyed in 1934, 1935, and 1944.
Mine workings from maps furnished by The Alaska Railroad

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.
M R-1291

Geology by F. F. Barnes, F. M. Byers, Jr., and Ralph Tuck. Surveyed in 1934, 1935, 1944, and 1945

GEOLOGIC MAP OF ESKA MINE AND VICINITY, WISHBONE HILL DISTRICT, MATANUSKA COAL FIELD, ALASKA

Scale 1:3000

500 0 1000 Feet

Contour interval 100 feet
Datum is approximate mean sea level

E X P L A N A T I O N

QUATERNARY

Recent

- Qal — Alluvium
- Qs — Slide rock
  Talus and landslide debris, mainly conglomerate blocks
- Qt — Terrace gravel

TERTIARY

Paleocene or Eocene

- Tw — Wishbone formation
  Firmly cemented pebbles of fine-grained rocks in sandy matrix. Includes many lenticular beds of sandstone, siltstone, and some claystone
- Tc — Chickaloon formation
  Sandstone, siltstone, claystone, and coal

42 ESKA BED — Coal bed at bedrock surface, showing dip
Dashed where inferred, dotted where concealed by alluvium

ESKA BED 42 — Coal bed in mine workings, showing dip

Contact, approximately located

U D ? — Fault, showing relative movement
Dashed where inferred; queried where doubtful; dotted where concealed by slide rock. U, *upthrown side;* D, *downthrown side*

72 — Fault in mine workings, showing dip
Dotted where projected

90 — Vertical fault in mine workings

Syncline
Dashed where approximately located. Showing trace of axial plane and direction of plunge of axis

55 — Strike and dip of beds

Boundary of coal-leasing unit

Tunnels and gangways

Slopes and airways
Chevrons point downward

Inclined shaft

Foot of raise

Prospect trench

D.D.H. 13 Inclined — D.D.H. 1 Vertical
U. S. Bureau of Mines diamond-drill holes

Mine dump

26 — Surface coal locality
Number corresponds to that in text and on plate 5

TRUE NORTH — MAGNETIC NORTH — 27°
APPROXIMATE MEAN DECLINATION 1951