DEPARTMENT OF THE INTERIOR,
UNITED STATES GEOLOGICAL SURVEY

PLATE I

53-26

# GEOLOGY OF THE PLUMTREE AREA, SPRUCE PINE DISTRICT, NORTH CAROLINA

## EXPLANATION

**QUATERNARY**

ALLUVIUM
In master stream valleys

**EARLY PALEOZOIC (?)**

ALASKITE AND PEGMATITIC ALASKITE

PEGMATITIC ALASKITE
bodies not mappable in detail and numbers refer to table 9

DUNITE AND ASSOCIATED SOAPSTONE

**LATE PRECAMBRIAN (?)**

HORNBLENDE ROCKS
mostly gneiss and schist with some interlayered mica gneiss and schist. Roan-type rocks.

MICA GNEISS
with some interlayered mica schist and hornblende rocks.
A Carolina-type rock

MICA SCHIST
with some interlayered micagneiss and hornblende rocks.
A Carolina-type rock

Contacts

Indefinite or concealed contacts

Gradational contacts

Direction and amount of plunge of fold axes

Strike and dip of layers

Strike and dip of layers direction and amount of plunge of lineation

Strike of vertical layers

Horizontal layers

A——A'
Geologic sections

COMMODITY SYMBOLS

M mica mine F feldspar mine K kaolin mine
Ky kyanite in areas of mica rocks D dunite
Sp soapstone

1 0 1 mile

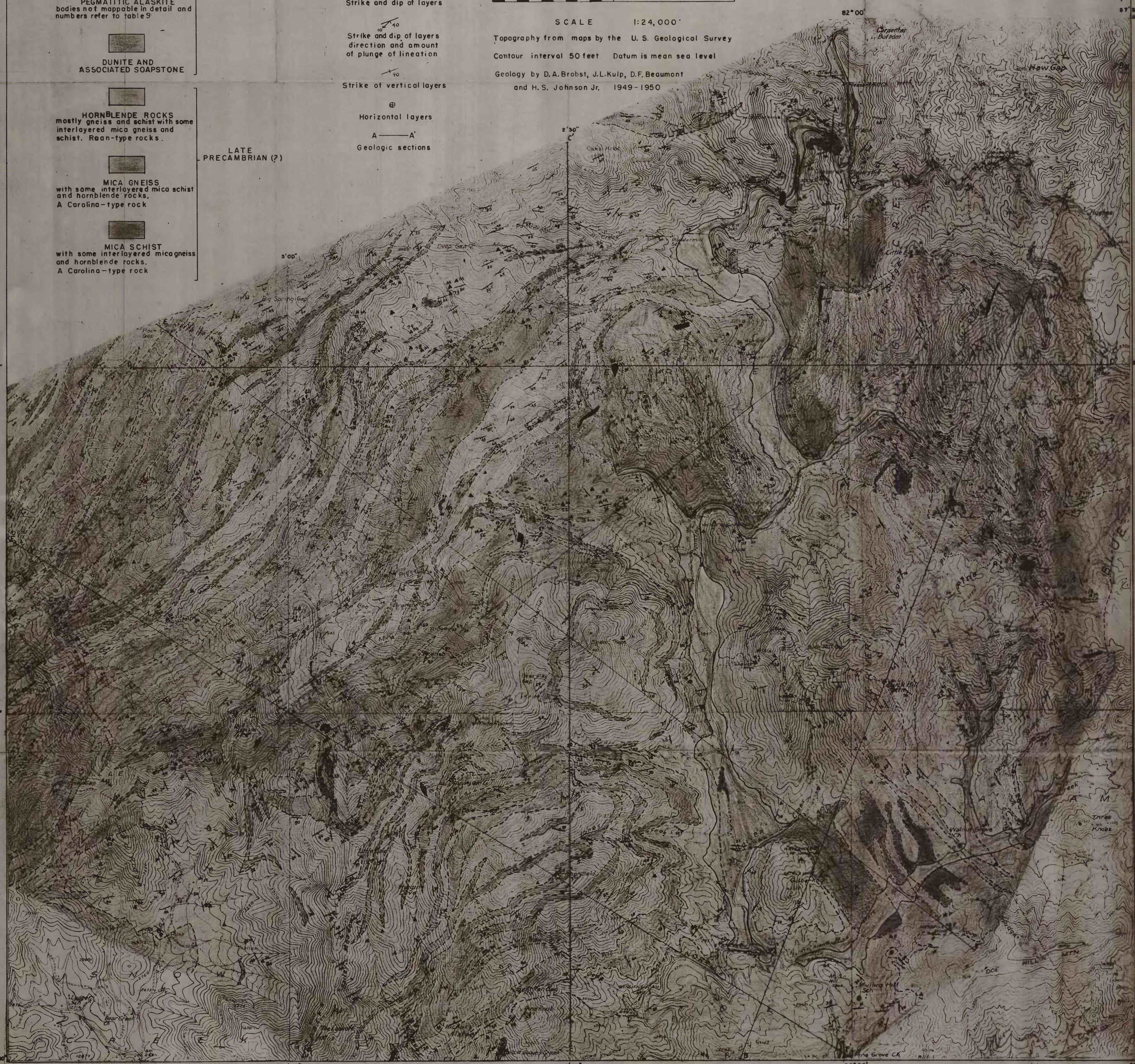
SCALE 1:24,000

Topography from maps by the U. S. Geological Survey

Contour interval 50 feet Datum is mean sea level

Geology by D. A. Brobst, J. L. Kulp, D. F. Beaumont and H. S. Johnson Jr. 1949-1950

True North
Magnetic North

Approximate mean declination 1934

THIS MAP IS PRELIMINARY AND HAS NOT BEEN REVIEWED FOR CONFORMITY WITH U. S. GEOLOGICAL SURVEY STANDARDS AND NOMENCLATURE.