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EXPLANATION

20 — Strike and dip of foliation

10 — Bearing and plunge of lineation

Kq — Kyanite quartzite

MOSTLY BIOTITE AND HORNBLENDE GNEISS

MOSTLY QUARTZ - MUSCOVITE SCHIST

BAKER MTN.

MADISONVILLE

NORFOLK SOUTHERN R.R.

N

KYANITE QUARTZITE IN BAKER MTN. - MADISONVILLE AREA, PRINCE EDWARD AND CHARLOTTE COUNTIES, VA.

0 1 2 MILES

This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.

Geology mapped by G. H. Espenshade and D. B. Potter, 1950-1952

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(5)

GEOLOGIC MAP OF HENRY KNOB
YORK COUNTY, SOUTH CAROLINA

Geology by Donald B. Potter
and
Plane Table Control by Norman F. Cuppels
March 1952

TRUE NORTH

1" Approx

K — TOUGH, GRAY IRREGULARLY FOLIATED KYANITIC QUARTZITE WITH 1-2 % PYRITE

IRREGULAR OR CRUDELY CIRCULAR AND ELLIPTICAL MASSES, SIX INCHES TO THREE FEET IN DIAMETER, OF COARSE RANDOM KYANITE, MINOR INTERSTITIAL QUARTZ AND PYRITE; RARELY, PYROPHYLLITE

MK — KYANITIC QUARTZITE WITH 1-2 % PYRITE, 1% OR MORE MUSCOVITE
FOLIATION AND LINEATION USUALLY PRONOUNCED.

M (KYANITIC) — STRONGLY FOLIATED PYRITIC MUSCOVITE SCHIST WITH VARIABLE CONTENT OF KYANITE AND QUARTZ AND, LOCALLY, ANDALUSITE. LOCALLY GRADATIONAL WITH MUSCOVITIC KYANITIC QUARTZITE

G — MEDIUM GRAINED, DARK GRAY OLIVINE GABBRO ("DIABASE")

FLOW CLEAVAGE DIPPING, VERTICAL; ALSO PARALLEL SEAMS OF KYANITE IN QUARTZITE

LINEATION PLUNGING, VERTICAL PRODUCED BY BLADES OF KYANITE UNLESS ACCOMPANIED BY ONE OF THESE SYMBOLS:
p. small fold axis
s. slickensides

JOINTS DIPPING, VERTICAL, HORIZONTAL

GEOLOGIC CONTACT QUESTIONABLE

BORDER OF SLUMPED BLOCK, LIMIT OF AREA OF JUMBLED BOULDERS

TRENCH

RIM OF CUT

BASE OF DUMP

APPROXIMATE UPPER LIMIT OF CREEP

DRILL HOLE
V. vertical
H. horizontal

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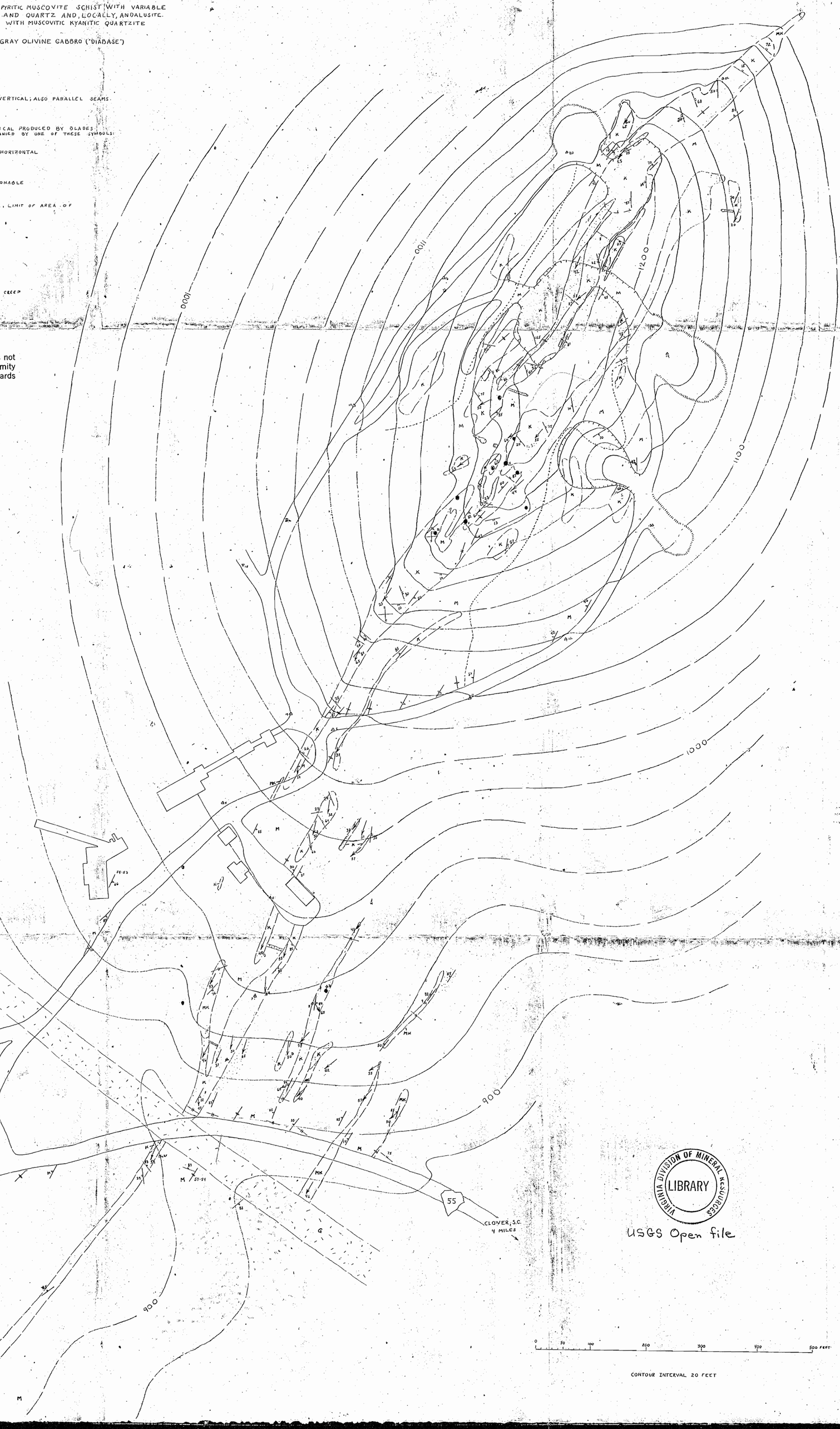

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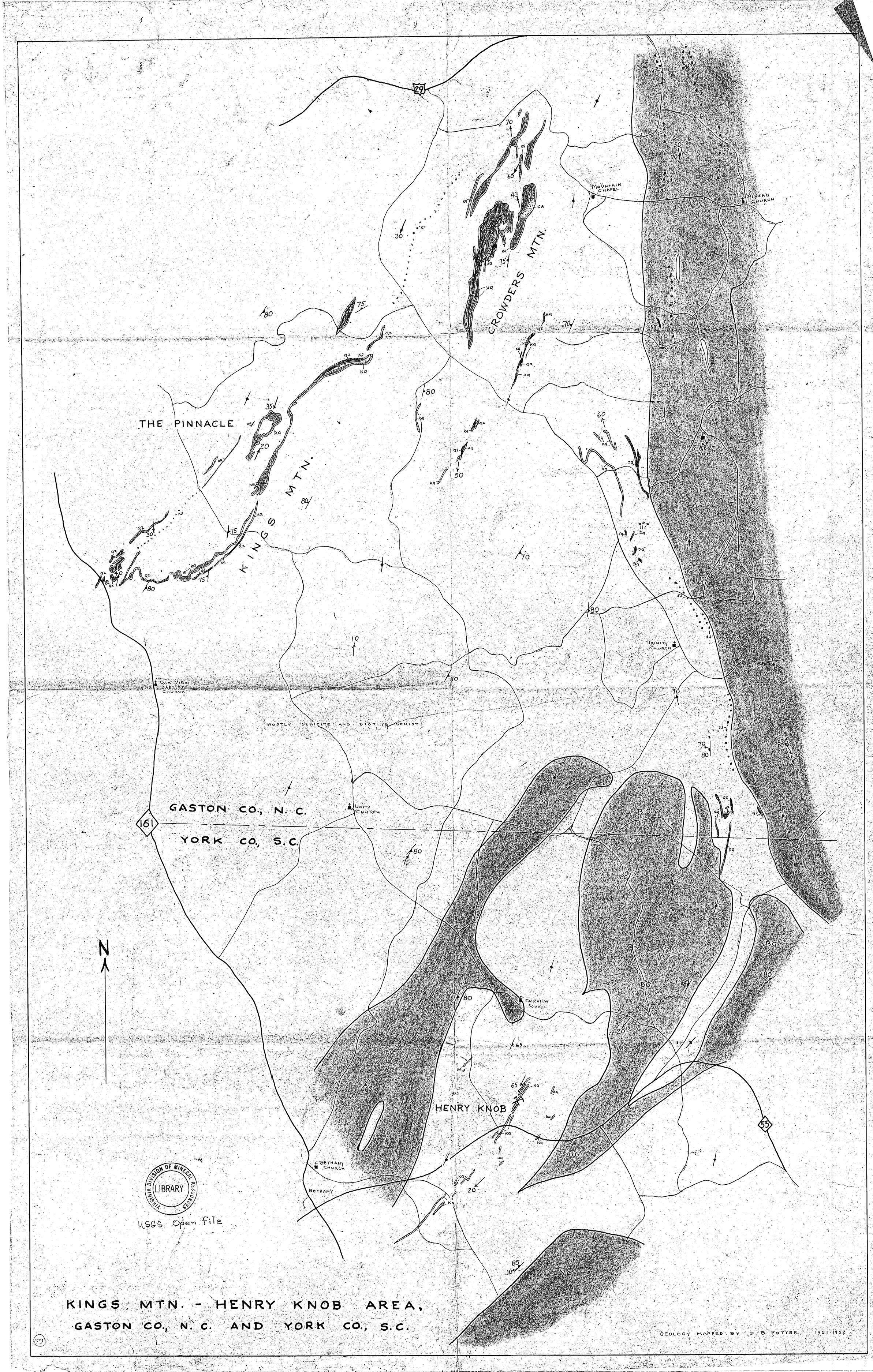
0 50 100 200 300 500 500 FEET

CONTOUR INTERVAL 20 FEET



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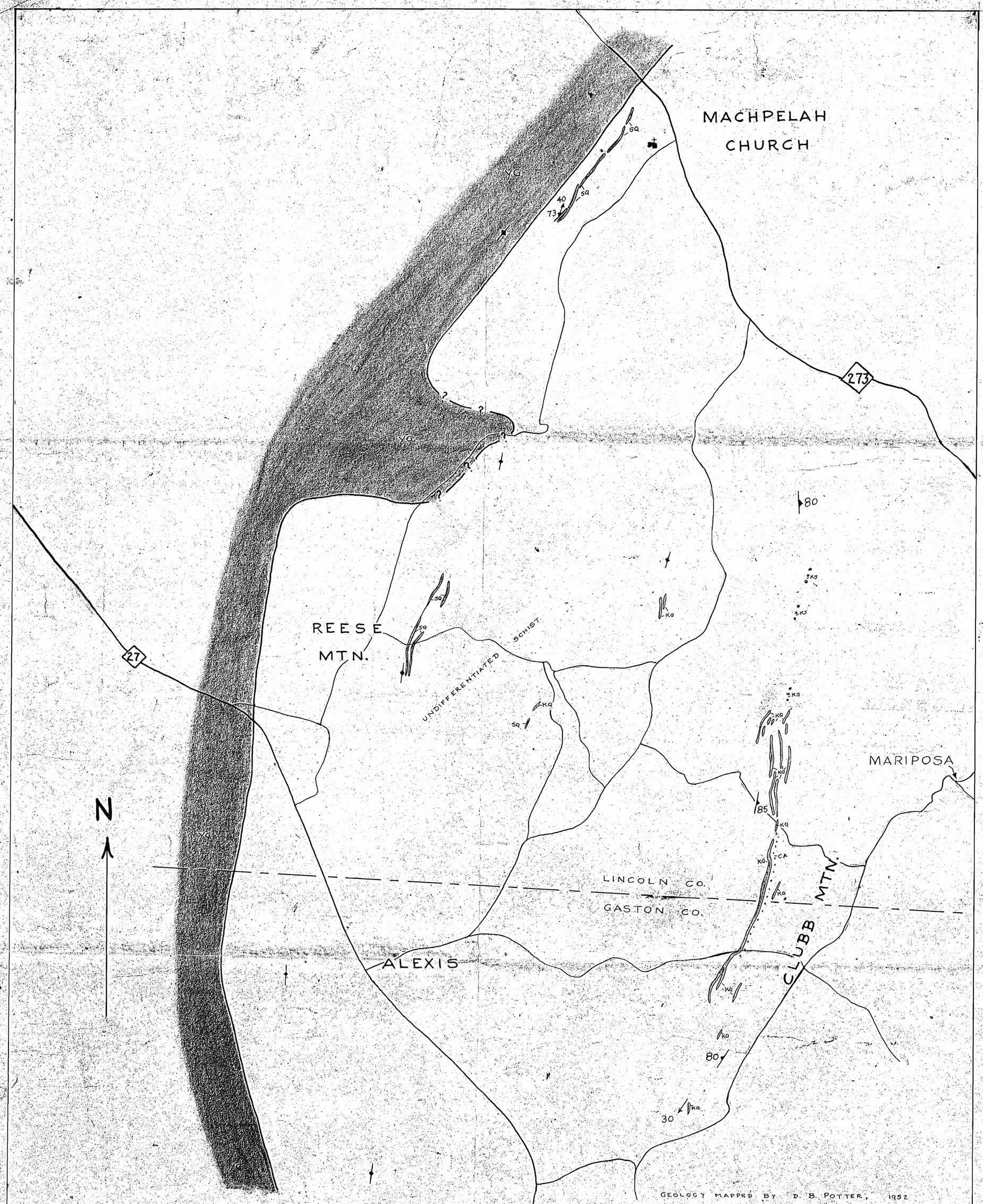
KINGS MTN. - HENRY KNOB AREA, GASTON CO., N. C. AND YORK CO., S. C.

MOSTLY SERICITE AND BIOTITE SCHIST

GEOLOGY MAPPED BY D. B. POTTER, 1951-1952

DEPARTMENT OF THE INTERIOR,
UNITED STATES GEOLOGICAL SURVEY.



REESE MTN. - CLUBB MTN. AREA
LINCOLN AND GASTON COUNTIES, N. C.

EXPLANATION

KQ — KYANITE QUARTZITE

KS — KYANITE SCHIST

SQ — SILLIMANITE QUARTZITE

SS — SILLIMANITE SCHIST

QZ — QUARTZITE

CA — CLAY ALTERATION

YG — YORKVILLE GRANITE

BG — BESSEMER GRANITE

10 — Strike and dip of foliation

Strike of vertical foliation

10 — Bearing and plunge of lineation

0 1 2 MILES

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