





GEOLOGIC MAP OF HENRY KNOB, YORK COUNTY, SOUTH CAROLINA


LEGEND


 Tough, gray irregularly foliated kyanite quartzite with 20-30% kyanite, 2-6% pyrite and minor amounts of rutile and white mica


 Irregular or crudely circular masses, 6 inches to 3 feet in diameter, of coarse random kyanite with minor amounts of interstitial quartz and pyrite and rare pyrophyllite


 Kyanite quartzite with 2% or more white mica, 1-3% pyrite; foliation and lineation usually pronounced


 Strongly foliated pyritic white mica schist with variable content of kyanite and quartz; kyanite usually abundant near kyanite quartzite contact; schist is locally gradational with kyanite-white mica quartzite; accessory minerals include magnetite and, locally, staurolite, andalusite, topaz and tourmaline; schist largely concealed by talus and slope wash


 Fine to medium grained dark gray olivine gabbro ("Diabase")


 Geologic contact well exposed, inferred from well defined outcrop of kyanite quartzite only, inferred from widely separated outcrops, contact concealed


 Limit of area of jumbled boulders; rock approximately in place


 Slumped block


 Foliation (flow cleavage) dipping, vertical, slumped

 Lineation plunging, vertical; defined by parallelism of kyanite blades unless accompanied by "FA" (axis of fold with amplitude and wave length from 1 to 15 feet) or "S" (slickensides)

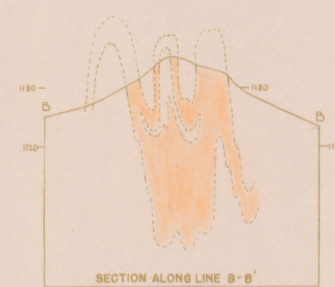
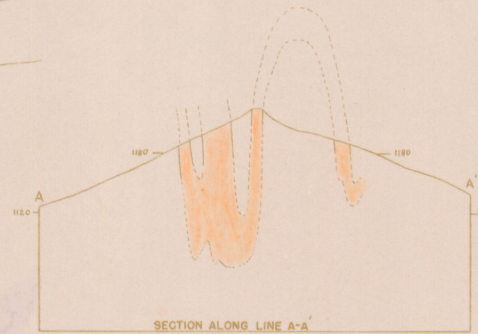
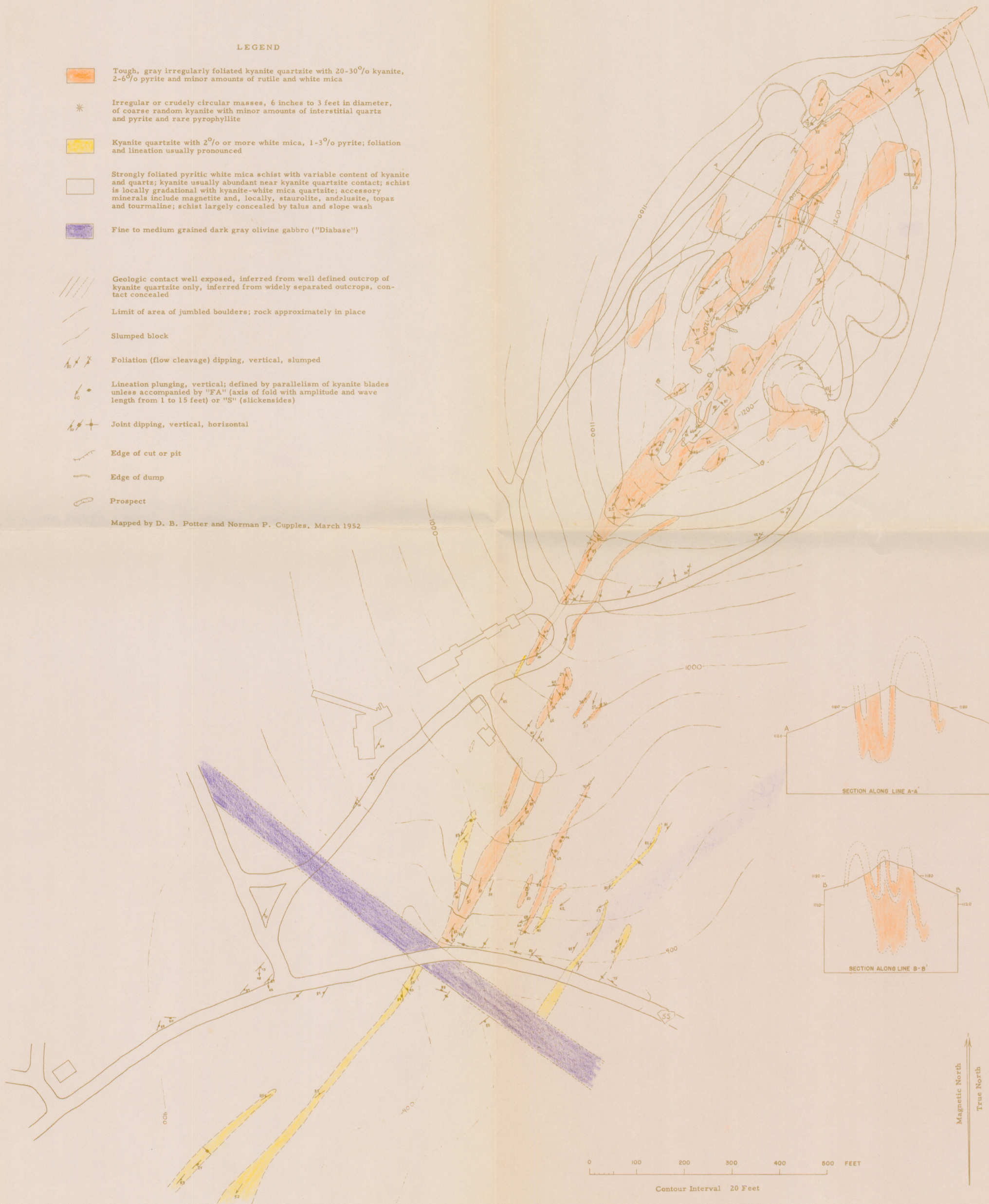
 Joint dipping, vertical, horizontal

 Edge of cut or pit

 Edge of dump

 Prospect

Mapped by D. B. Potter and Norman P. Cupples, March 1952



0 100 200 300 400 500 600 700 800 FEET

Contour Interval 20 Feet

Datum is mean sea level

Magnetic North
True North