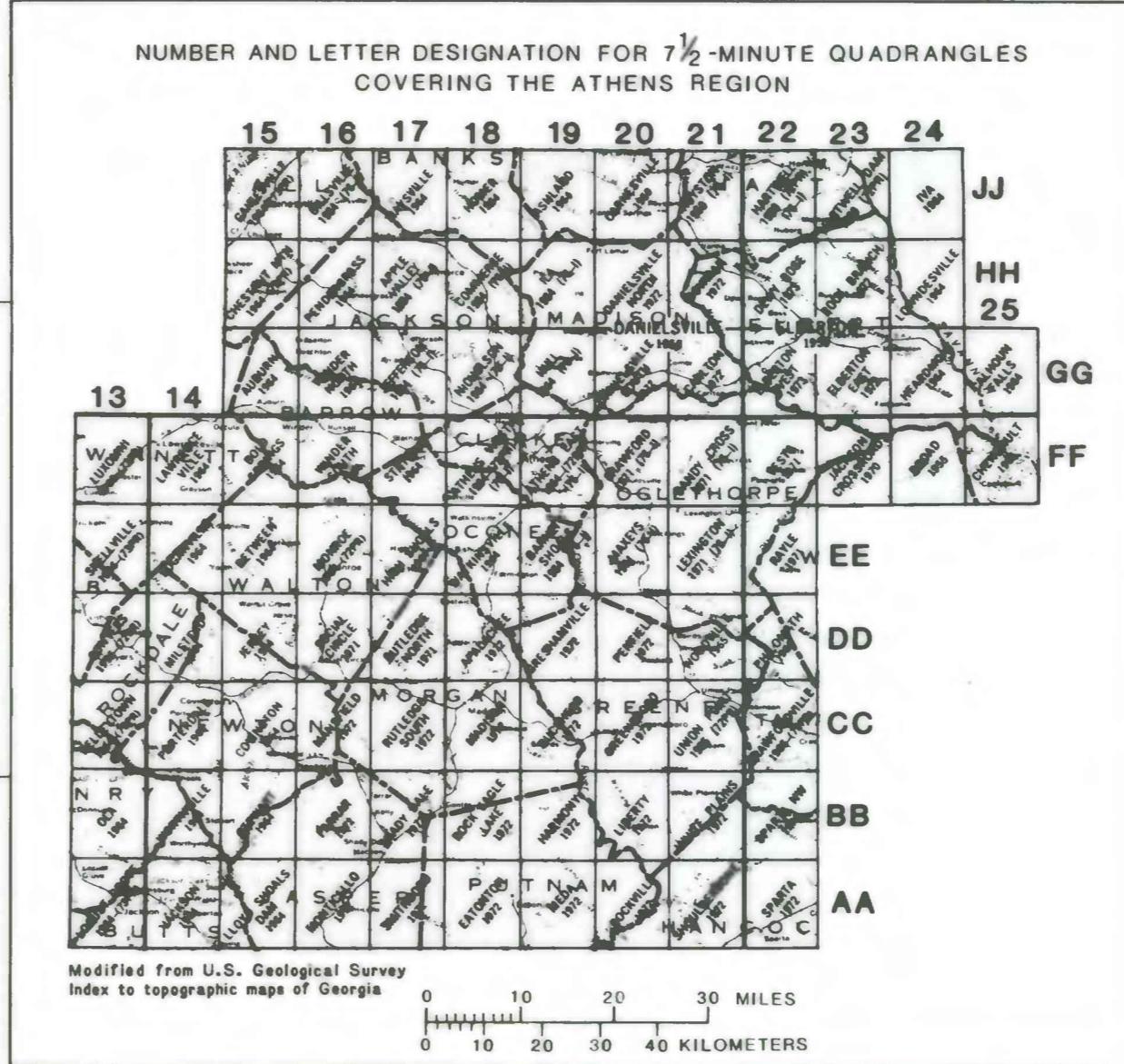
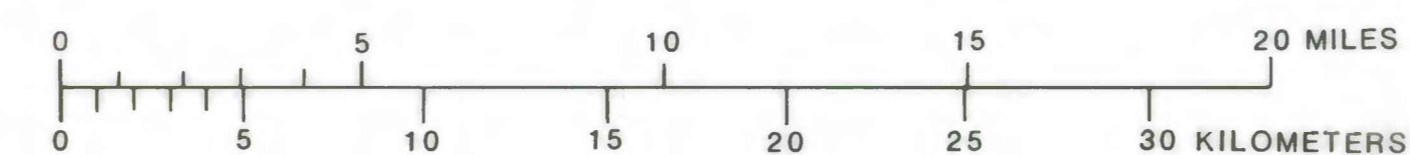


- EXPLANATION**
- A** YIELD -- Well yields range from 20 to 225 gal/mn, averaging 52 gal/mn.
DEPTH -- Wells range in depth from 45 to 800 ft, averaging 246 ft.
Casing depths range from 8 to 230 ft, averaging 69 ft.
ROCK TYPE -- Unit A consists of amphibolite interlayered with pink weathering, muscovite-biotite schist and a variety of biotite gneisses. Each rock type varies in abundance and thickness with occurrence. Locally, thin sooty-weathering garnet-bearing quartzite is present.
 - B** YIELD -- Well yields range from 20 to 300 gal/mn, averaging 56 gal/mn.
DEPTH -- Wells range in depth from 26 to 680 ft, averaging 256 ft.
Casing depths range from 8 to 302 ft, averaging 64 ft.
ROCK TYPE -- The principal rock type is light-colored, muscovite-biotite granite gneiss that has well-defined layering and is generally slabby. Locally, the unit is interlayered with amphibolite and muscovite schist.
 - C** YIELD -- Well yields range from 20 to 200 gal/mn, averaging 51 gal/mn.
DEPTH -- Wells range in depth from 58 to 530 ft, averaging 207 ft.
Casing depths range from 3 to 150 ft, averaging 60 ft.
ROCK TYPE -- The unit consists mainly of graphite-sillimanite schist.
 - D** YIELD -- Well yields range from 20 to 250 gal/mn, averaging 65 gal/mn.
DEPTH -- Wells range in depth from 53 to 700 ft, averaging 285 ft.
Casing depths range from 10 to 180 ft, averaging 57 ft.
ROCK TYPE -- The main constituent is biotite gneiss that has well-defined layering of varying thicknesses, and weathers to a deep red soil.
 - E DIKE** YIELD -- No high-yielding wells were inventoried in this unit.
DEPTH --
ROCK TYPE -- The unit consists mainly of mafic and ultramafic (dark) rocks, including amphibolite, metagabbro, diabase, and diabase dikes.
 - F** YIELD -- Well yields range from 20 to 100 gal/mn, averaging 38 gal/mn.
DEPTH -- Wells range in depth from 52 to 790 ft, averaging 242 ft.
Casing depths range from 8 to 294 ft, averaging 63 ft.
ROCK TYPE -- The principal rock type in the unit is biotite granite that locally is porphyritic (contains large feldspar crystals).
 - G** YIELD -- Well yields range from 20 to 150 gal/mn, averaging 61 gal/mn.
DEPTH -- Wells range in depth from 98 to 553 ft, averaging 323 ft.
Casing depths range from 9 to 89 ft, averaging 47 ft.
ROCK TYPE -- Unit G consists of biotite-muscovite buton schist locally interlayered with highly sheared amphibolite. The unit also includes highly sheared, deeply weathered quartzite and flinty crush rock (a chert-like rock formed by crushing and grinding) that commonly form linear ridges.
 - H** YIELD -- The one well inventoried in the unit yields 100 gal/mn.
DEPTH -- The well has a depth of 240 ft. Casing depth is 62 ft.
ROCK TYPE -- The principal rock type is massive quartzite that generally occupies ridge crests.
 - I** YIELD -- Well yields range from 20 to 300 gal/mn, averaging 57 gal/mn.
DEPTH -- Well depths range from 85 to 705 ft, averaging 257 ft.
Casing depths range from 16 to 200 ft, averaging 68 ft.
ROCK TYPE -- The unit consists of thinly laminated muscovite gneiss that retains the distinctive layering when weathered.
 - J** YIELD -- Well yields range from 20 to 100 gal/mn, averaging 39 gal/mn.
DEPTH -- Well depths range from 68 to 600 ft, averaging 265 ft.
Casing depths range from 15 to 221 ft, averaging 77 ft.
ROCK TYPE -- The unit consists of metamorphosed volcanic rocks, including phyllite (felsic metauff), amphibolite (metabasalt), greenschist, and greenstone.
 - K** YIELD -- Well yields range from 20 to 200 gal/mn, averaging 44 gal/mn.
DEPTH -- Well depths range from 65 to 700 ft, averaging 228 ft.
Casing depths range from 7 to 151 ft, averaging 78 ft.
ROCK TYPE -- The unit is characterized by blocks and fragments of different rock types, from less than a foot to more than a mile across, embedded in fine-grained, generally sheared material. Common rock types include biotite gneiss, amphibolite, metachert, metadiabase, greenschist, and greenstone. Ultramafic and felsic metavolcanic rocks also are present.
- LEGEND**
- SHEAR ZONE
 - THRUST FAULT-- T, upper plate
 - CONTACT
 - WELL AND IDENTIFICATION NUMBER



Base from U.S. Geological Survey 1:100,000 quadrangles

Geology by Michael W. Higgins and Rebekah Brooks, 1984-85
Contact of Unit F at Siloam from Vincent, 1984



WATER-BEARING UNITS AND LOCATIONS OF WELLS IN THE ATHENS REGION, GEORGIA, THAT YIELD FROM 20 TO 300 GALLONS PER MINUTE