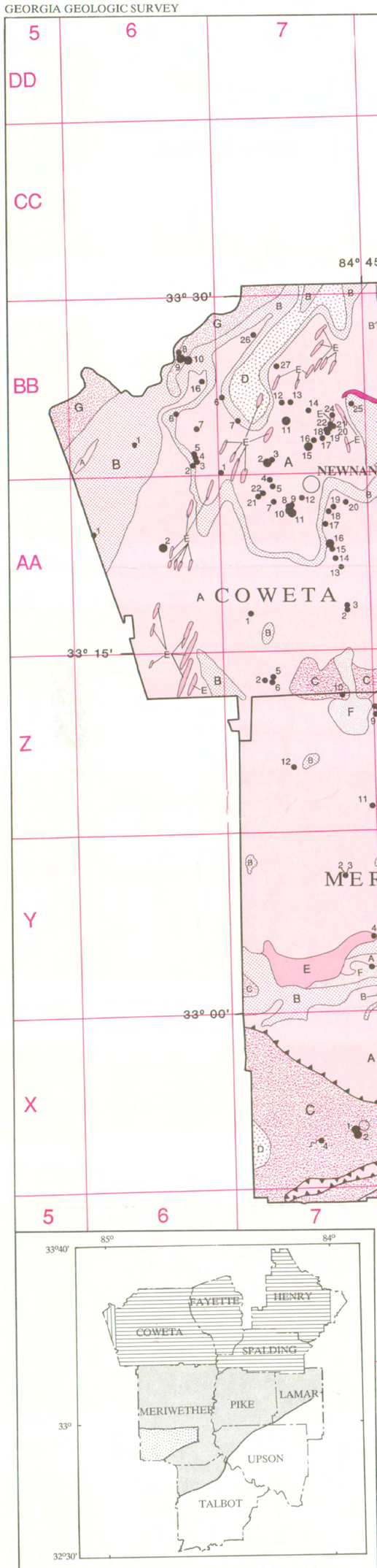
GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
GEORGIA GEOLOGIC SURVEY

Prepared in cooperation with the
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY
U.S. ARMY CORPS OF ENGINEERS

INFORMATION CIRCULAR 88
PLATE 1

HYDROGEOLOGIC UNITS AND LOCATIONS OF WELLS AND SPRINGS IN THE SOUTH METROPOLITAN ATLANTA REGION, GEORGIA



INDEX TO GEOLOGIC MAPPING BY AUTHOR

- R.D. Bentley, 1969 (unpublished)
- Georgia Geologic Survey, 1976
- M.W. Higgins and R.L. Atkins, 1980-83 (unpublished)
- M.W. Higgins and others, 1988
- M.W. Higgins, 1990 (unpublished)

EXPLANATION

MAP UNIT	LITHOLOGIC DESCRIPTION
A	Interlayered amphibolite, gneiss, and schist
B	Granitic gneiss containing biotite, muscovite, quartz, and feldspar in order of increasing abundance
C	Muscovite, feldspar, sillimanite, and quartz schists locally interlayered with thin to thick beds of graywacke, quartzite, and other rocks
D	Biotite gneiss
E	Metamorphosed mafic rocks including amphibolite, hornblende gneiss, metagabbro, metavolcanics, and metamorphosed ultramafic rocks
F	Muscovite and biotite granite
G	Cataclastic rocks formed by crushing and fracturing of preexisting rocks
H	Muscovite-bearing quartzite commonly containing garnet and sillimanite
J	Thinly layered calcareous metatuff containing lenses and layers of calcite marble
K	Coastal Plain sediments, primarily sand, gravel, and clay of Late Cretaceous age

- D/U — FAULT--D, downthrown side; U, upthrown side. Dashed where approximately located
- THRUST FAULT--Teeth on upper plate
- SHEAR ZONE

DATA SITE AND IDENTIFICATION NUMBER

- Site yielding 100 gallons per minute or more
  - Well
  - Spring
- Site yielding less than 100 gallons per minute
  - Well
  - Spring
- 02347500 — Stream Gaging Station

0 5 10 15 20 MILES
0 5 10 15 20 KILOMETERS

Cartography by Barbara J. Milby