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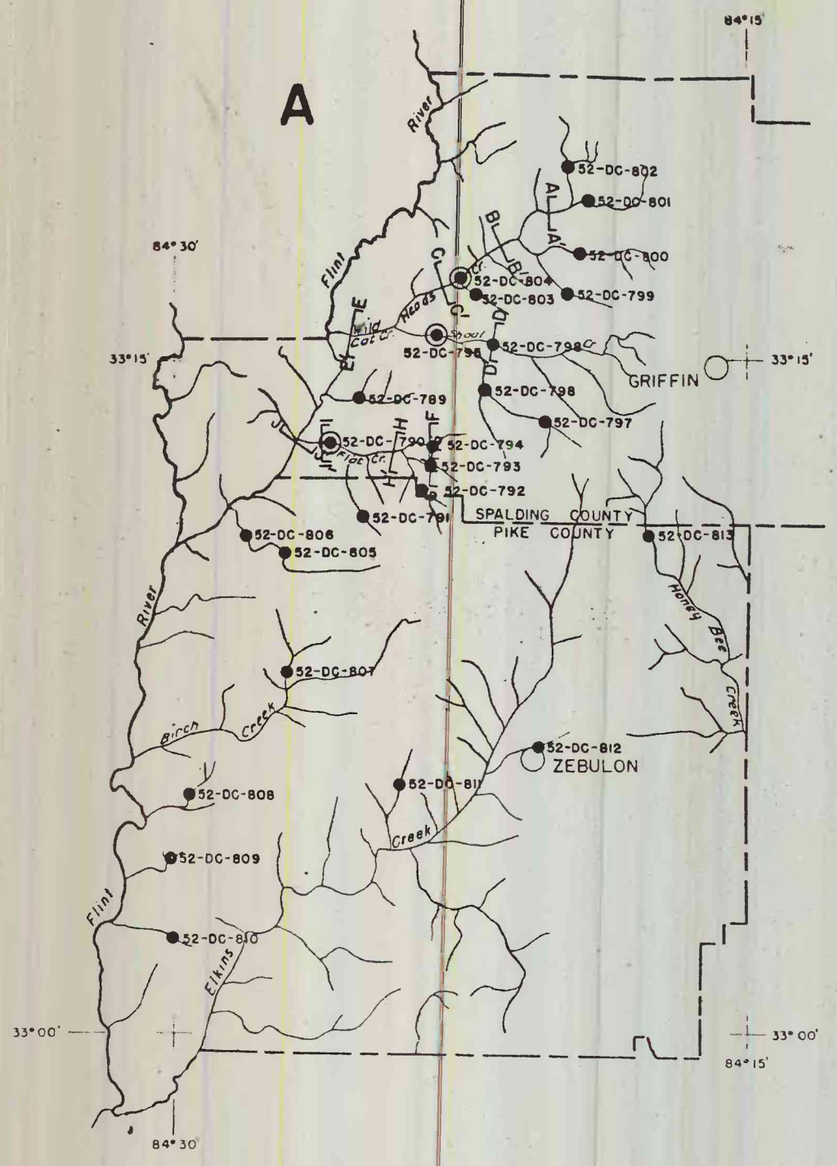
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

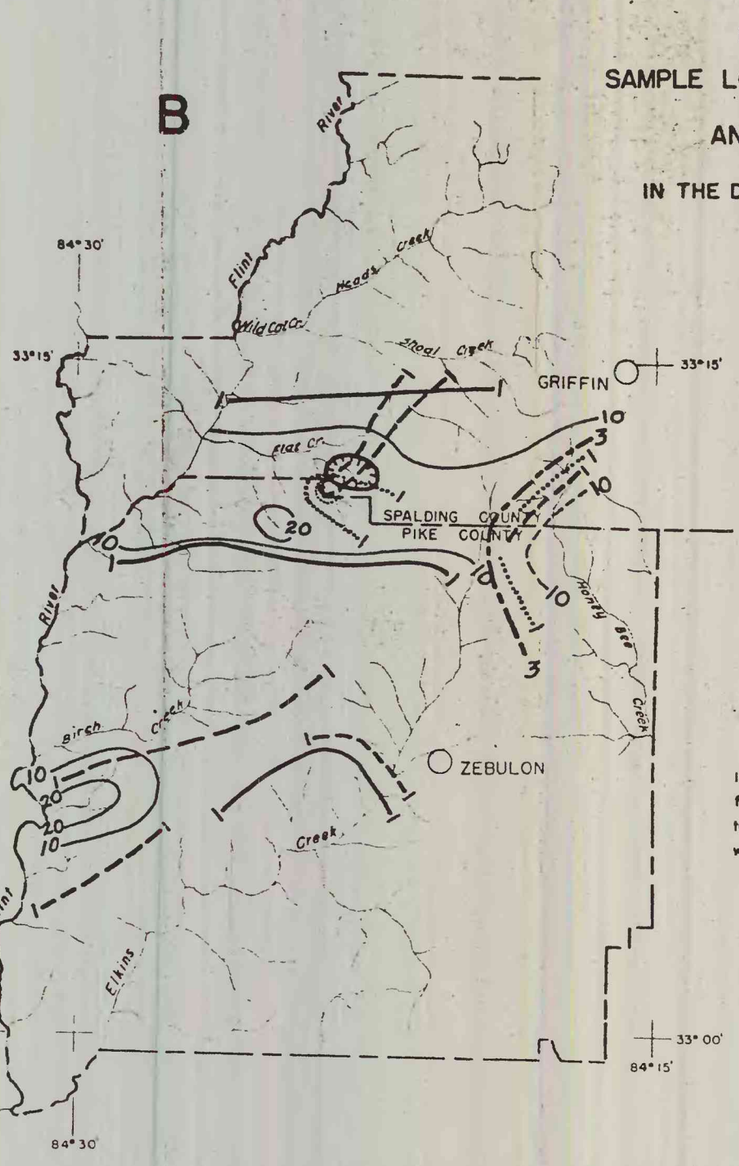
OPEN-FILE REPORT

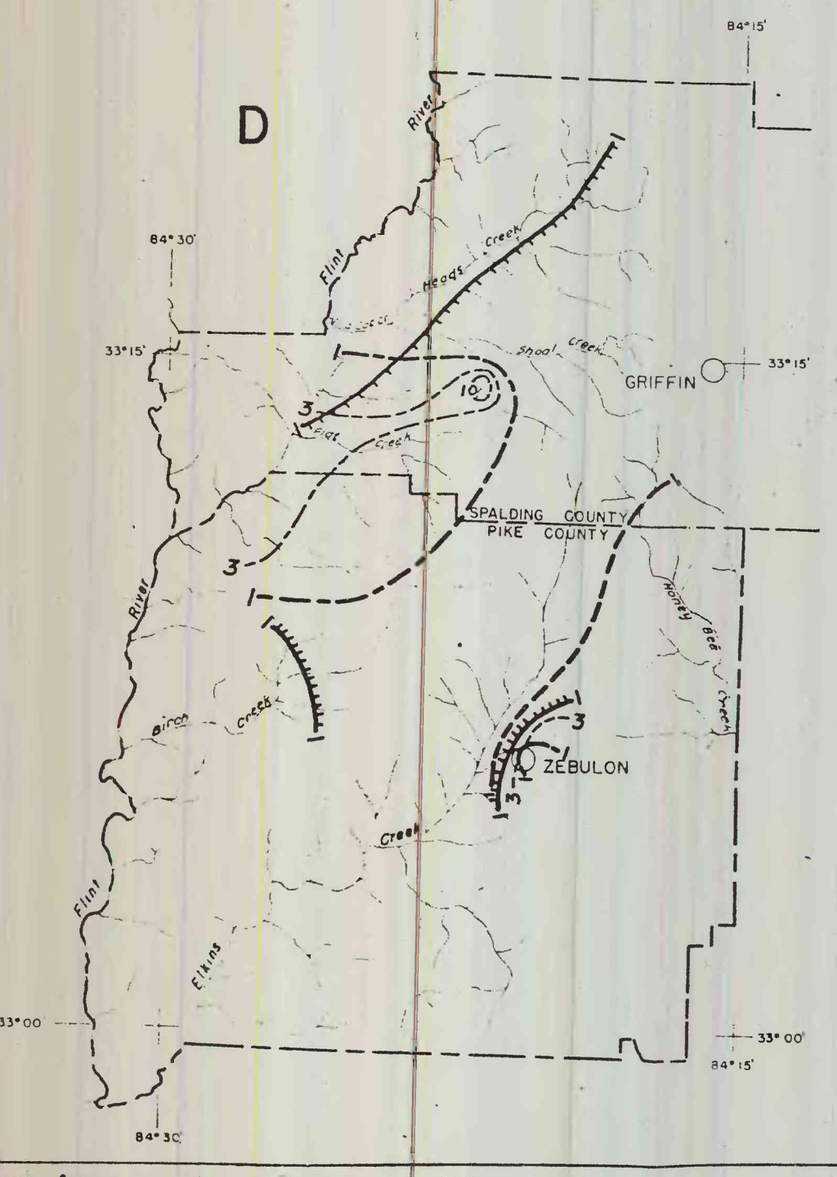
71-222

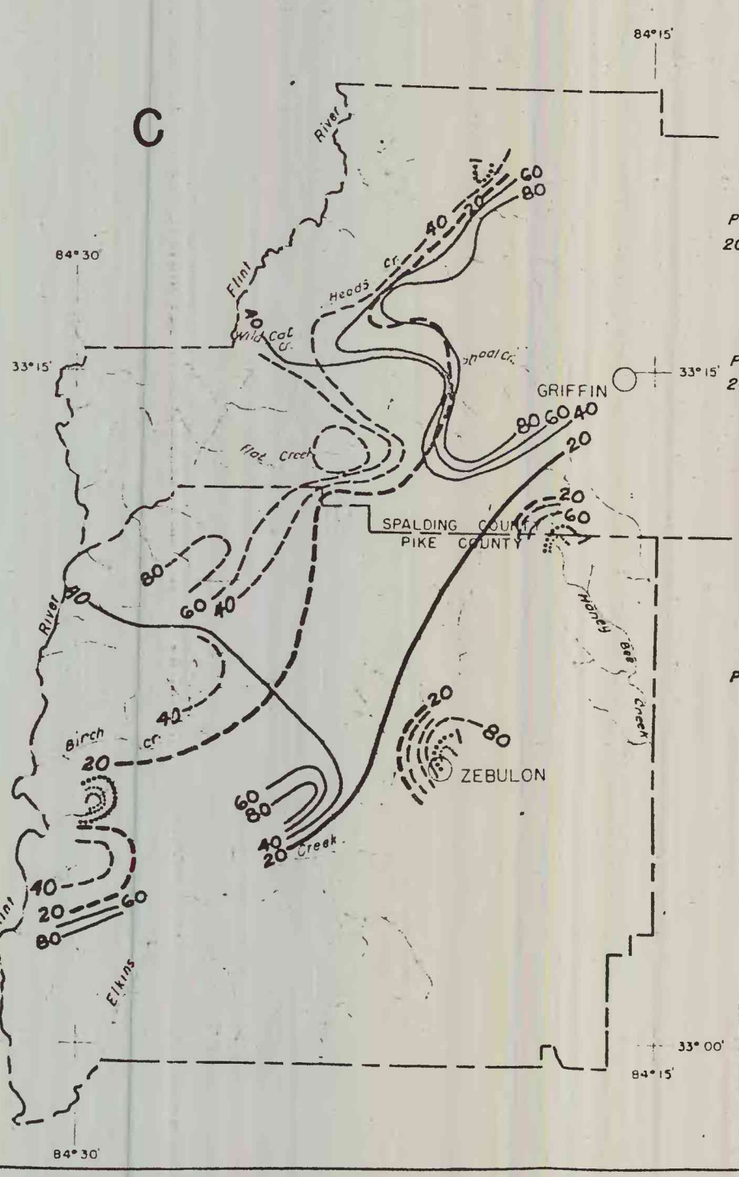
PLATE 3. MAPS SHOWING SAMPLE LOCALITIES, LINES OF AUGER DRILL HOLES AND ISOGRAMS OF HEAVY MINERALS IN THE DRAINAGE BASIN OF THE FLINT RIVER, GEORGIA

1971









EXPLANATION

A

● 52-DC-804
Locality and number of sample.

◉ 52-DC-790
Sample used for semiquantitative spectrographic analysis.

AL——JA'
Line of auger drill holes.

B

Isograms are based on percent of the mineral in concentrate free from quartz and hematite. All concentrates used for plotting are from riffle sand or gravel and are from streams with small distributive province.

1 / 10
Monazite isogram
Percent of monazite in concentrate, contoured at 1, 10, and 20 percent. Heavy contour marks 1 percent.

1 / 10
Zircon isogram
Percent of zircon in concentrate, contoured at 1 and 10 percent. Heavy contour marks 1 percent.

1 / 2
Tourmaline isogram
Percent of tourmaline in concentrate, contoured at 1 and 2 percent. Heavy contour marks 1 percent.

3
Spinel isogram
Percent of spinel in concentrate, contoured at 3 percent.

C

20 / 40
Magnetite isogram
Percent of magnetite in concentrate, contoured at 20, 40, 60, and 80 percent. Heavy contour marks 20 percent.

20 / 40
Ilmenite isogram
Percent of ilmenite in concentrate, contoured at 20, 40, 60, and 80 percent. Heavy contour marks 20 percent.

1 / 5
Garnet isogram
Percent of garnet in concentrate, contoured at 1, 5, and 10 percent. Heavy contour marks 1 percent.

D

1
Epidote isogram
Percent of epidote in concentrate, contoured at 1 percent.

1 / 3
Rutile isogram
Percent of rutile in concentrate, contoured at 1, 3, and 10 percent. Heavy contour marks 1 percent.

1 / 3
Sillimanite isogram
Percent of sillimanite in concentrate, contoured at 1 and 3 percent. Heavy contour marks 1 percent.

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

Base from county road maps.

Data compiled in 1954.