PLEASE REPLACE IN POCKET
IN BACK OF BOUND VOLUME

OPEN-FILE REPORT
71-222

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

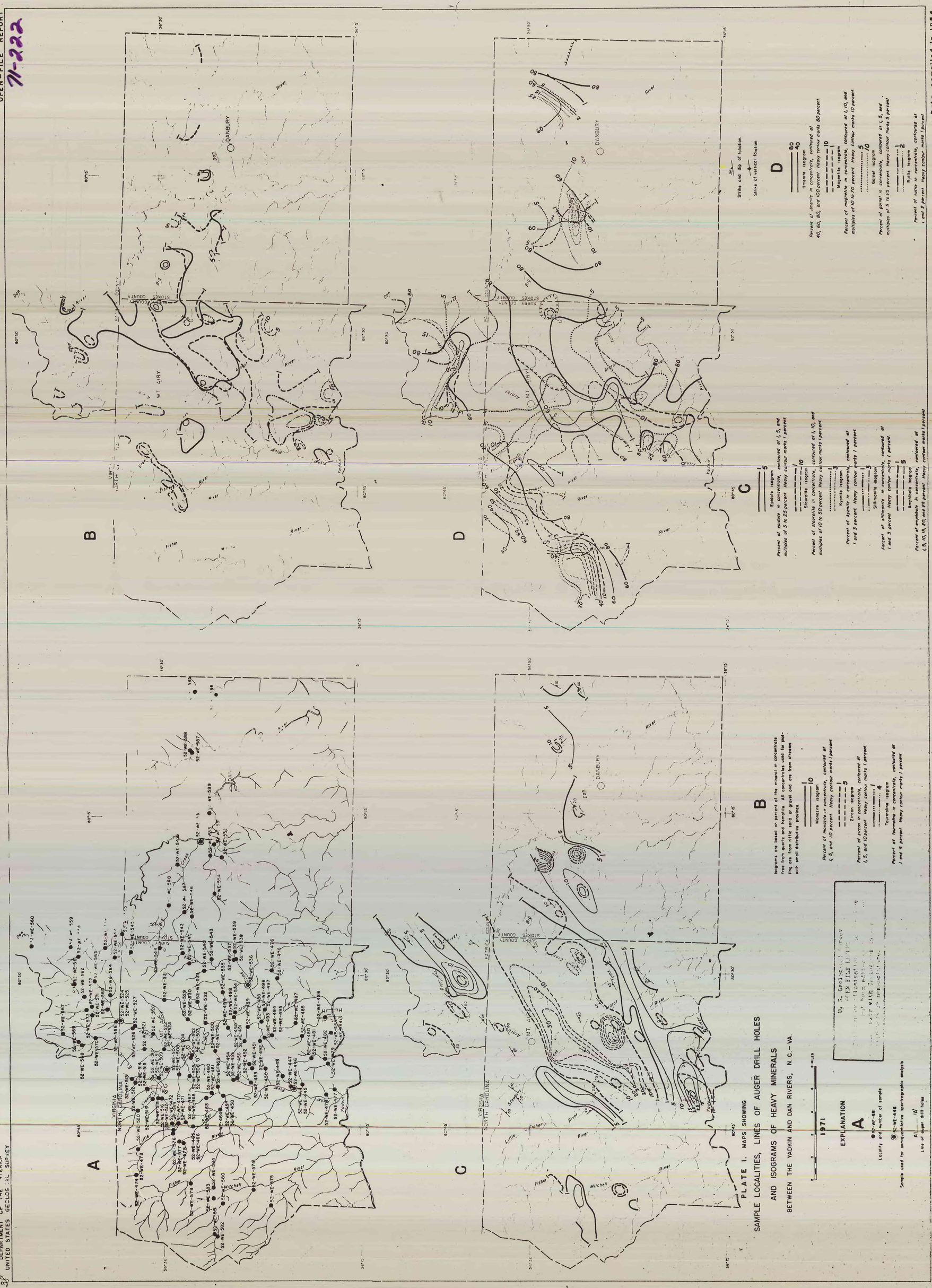

PLATE I. MAPS SHOWING
SAMPLE LOCALITIES, LINES OF AUGER DRILL HOLES
AND ISOGRAMS OF HEAVY MINERALS
BETWEEN THE YADKIN AND DAN RIVERS, N. C.-VA.

1971

EXPLANATION

A

52-WE-481 Locality and number of sample

52-WE-446 Sample used for semiquantitative spectrographic analysis

A1 — 1A' 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.

Monazite isogram
Percent of monazite in concentrate, contoured at 1, 5, and 10 percent. Heavy contour marks 1 percent.

Zircon isogram
Percent of zircon in concentrate, contoured at 1, 5, and 10 percent. Heavy contour marks 1 percent.

Tourmaline isogram
Percent of tourmaline in concentrate, contoured at 1 and 4 percent. Heavy contour marks 1 percent.

R290
no. 1638

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