DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE REPORT 80-848
DANIELS - SIMPLE BOUGUER
GRAVITY MAP OF FAIRFAX
AND ARLINGTON COUNTIES,
VIRGINIA

Location of study area (shaded)

Index map showing location of USGS 7½-min quadrangles covering the study area

Simple Bouguer gravity contours

Contour interval 1 milligal

Anomalies were calculated relative to the international Gravity Formula of 1930 and the pre-IGSN 71 datum to be compatible with gravity data in Virginia. Hachured contours indicate areas of lower gravity

● Gravity station

▲ Principal gravity base station

SCALE 1:48 000

1 0 1 2 3 MILES

1 0 1 2 3 4 5 KILOMETERS

SIMPLE BOUGUER GRAVITY MAP OF FAIRFAX AND ARLINGTON COUNTIES, VIRGINIA

By
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1980

SOURCES OF DATA

Daniels, D. L. and Heironimus, T. L., 1980, Principal facts for gravity stations in Fairfax County, Virginia: U.S. Geological Survey Open-File Report 80-786, 36 p.

Johnson, S. S., 1973, Bouguer gravity northeastern Virginia and the Eastern Shore Peninsula: Virginia Division of Mineral Resources, Report of Invertigations 32, 48 p., map.

Department of Defense gravity data: Boulder, CO., NOAA, Environmental Data Services.

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This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature