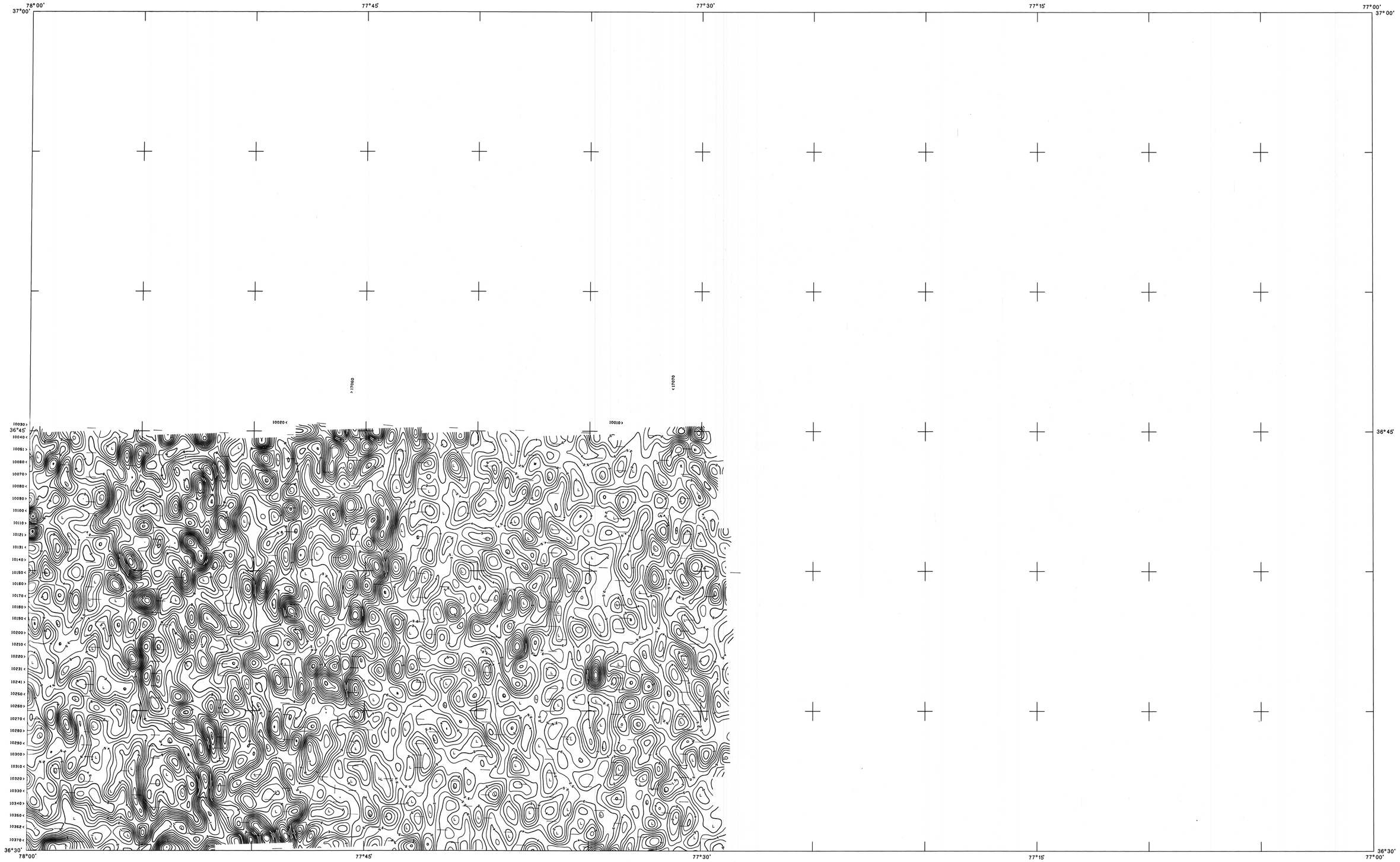


eURANIUM

SURVEY SPECIFICATIONS

AIRCRAFT
N4489L CESSNA TITAN 404
MAGNETOMETER
SPLIT BEAM CESIUM SCINTREX H8
RESOLUTION 0.001 nanoTesla
CYCLE RATE 0.10 second
SAMPLE INTERVAL 8 metres (average)
SPECTROMETER
256 CHANNEL ENMOS 1000
VOLUME 50.34 litres
CYCLE RATE 1.00 second
SAMPLE INTERVAL 80 metres (average)
DATA ACQUISITION
PICODAS PDAS-1000 ACQUISITION SYSTEM
11 CHANNEL RMS GR33R
FLIGHT LINE SPACING
TRAVERSE LINES 805 metres
TIE LINES 21500 metres
FLIGHT LINE DIRECTION
TRAVERSE LINES 090-270 degrees
TIE LINES 000-180 degrees
SURVEY HEIGHT
122 metres - mean terrain clearance
NAVIGATION
GPS navigation system
FLIGHT PATH RECOVERY
GPS located
with doppler positioning between located fiducials

DATA PROCESSING

GRID CELL SIZE	400 metres.
CONTOUR INTERVAL	5 ppm eU.
PARALLAX CORRECTION	0.50 fiducial. The data has been corrected for compton scattering and adjusted to a height of 122 metres agl. It was then converted to ground concentration units.

Flown and compiled by:
BGM AIRBORNE SURVEYS, INC.

Scale 1:100 000

2 0 2 3 5 6 miles
2 0 2 4 6 8 10 km

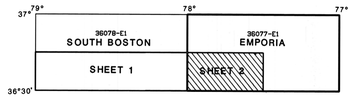
NORTH AMERICAN DATUM 1927
TRANSVERSE MERCATOR PROJECTION, CENTRAL MERIDIAN -75°

AERORADIOMETRIC MAPS OF PARTS OF THE SOUTH BOSTON AND EMPORIA 30' X 60' QUADRANGLES, VIRGINIA AND NORTH CAROLINA

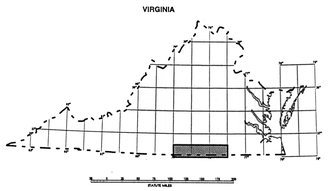
BY
U.S. GEOLOGICAL SURVEY
1994

North point relationships are shown for the centre of the map. Magnetic north is true for 1984.2

GRID/MAGNETIC ANGLE -10°31'12"
GRID CONVERGENCE 1°25'47.15"
SECULAR VARIATION 0°3'49" west per year



SHEET INDEX
FOR URANIUM



LOCATION OF THIS STUDY AREA

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