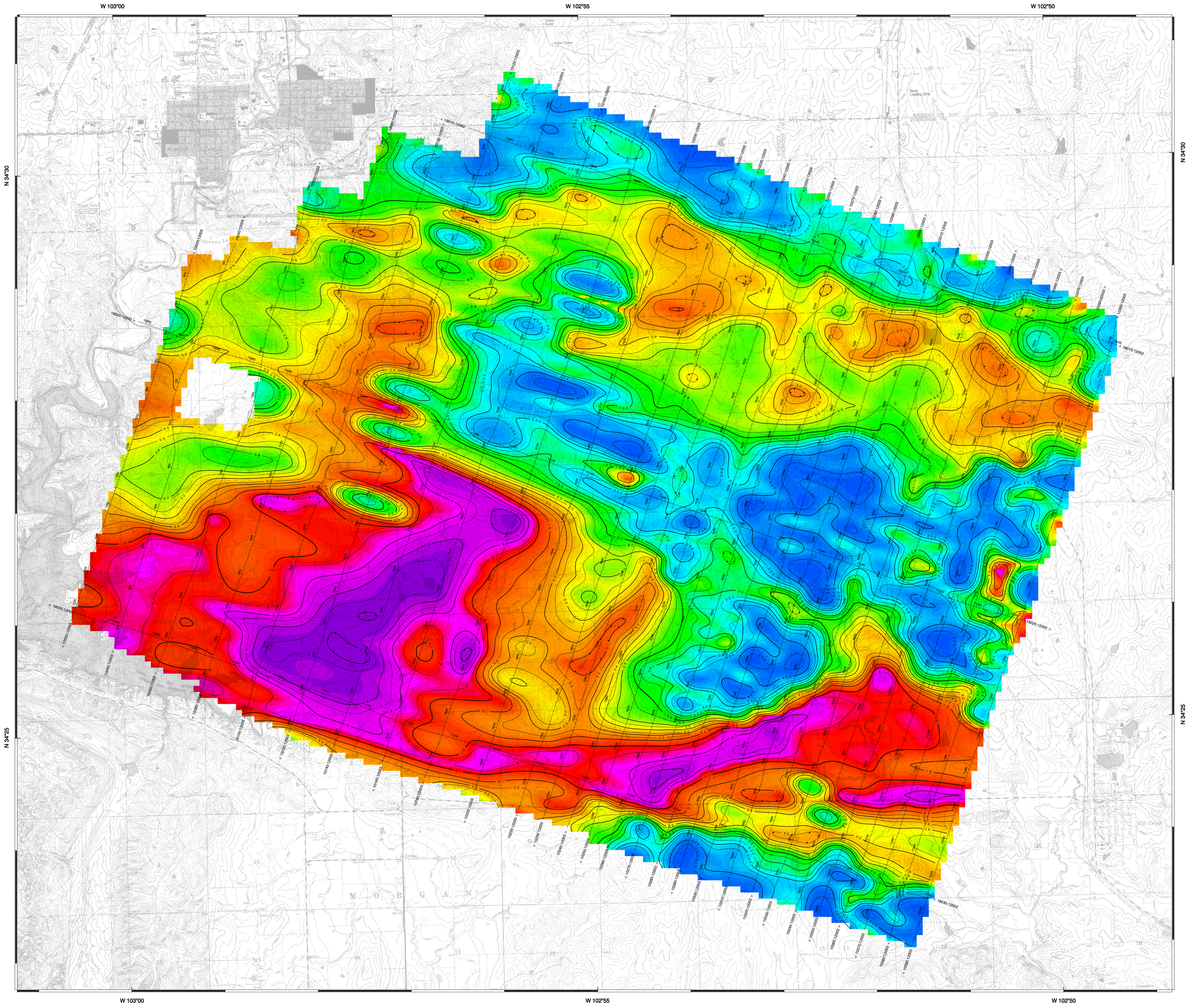


TECHNICAL SUMMARY

Navigation	Differentially-corrected GPS
Data reduction grid interval	100 metres
Terrain clearance	Helicopter 57 m Electromagnetic sensor 30 m Magnetometer 30 m
Data sampling interval	0.1 second
Magnetometer / sensitivity	Cesium / 0.01 nT
Electromagnetic system	FUGRO RESOLVE
Regional field removed	International Geomagnetic Reference Field 2005
Date flown	March 16–17, 2007

Frequency	Sensitivity	Coil Orientation
3300 Hz	0.12 ppm	Vertical coaxial
400 Hz	0.12 ppm	Horizontal coplanar
1500 Hz	0.12 ppm	Horizontal coplanar
6200 Hz	0.24 ppm	Horizontal coplanar
25000 Hz	0.60 ppm	Horizontal coplanar
115000 Hz	0.60 ppm	Horizontal coplanar

N

ohm•m

610.0, 560.4, 490.6, 442.8, 408.1, 376.9, 343.3, 314.0, 283.5, 256.6, 231.0, 207.3, 187.8, 168.5, 153.1, 138.8, 127.8, 117.5, 108.3, 99.5, 92.0, 84.6, 78.9, 74.2, 70.5, 67.1, 63.7, 60.7, 57.6, 54.5, 52.0, 48.7, 45.6, 42.9, 40.1, 37.6, 35.3, 32.7, 30.8, 28.7, 26.7, 24.8, 23.1, 21.4, 19.6, 17.9, 16.2, 14.6, 13.1, 11.7, 10.7, 9.9, 9.3, 8.8, 8.4, 7.9, 7.4, 6.8, 6.2, 5.6, 4.8, 4.0, 3.2

FLIGHT LINES

13010

13020 < 2

Flight number
Flight direction

Flight line number
11020
Reflight Number
Line Number
Area Number

250

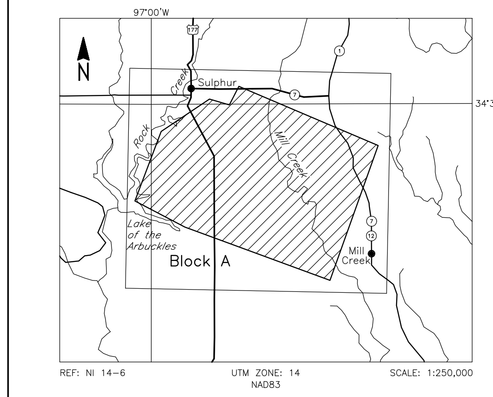
Fiducials identified on profiles

RESISTIVITY CONTOURS

1000, 800, 600, 500, 400, 300, 250, 200, 150, 125, 100

Contours in ohm–m at 10 intervals per decade. Apparent resistivity calculated using a pseudo–layer half–space model (Fraser 1978).

LOCATION MAP



REF: NI 14–6 | UTM ZONE: 14 NAD83 | SCALE: 1:250,000

U.S. GEOLOGICAL SURVEY

Arbuckle Simpson Aquifer Block A, Oklahoma

APPARENT RESISTIVITY 400 Hz COPLANAR

FUGRO RESOLVE SURVEY	REF: NI 14–6	GEOPHYSICIST:
DATE: MARCH, 2007	JOB: 06079	SHEET: 1

Fugro Airborne Surveys

0 1.0 2.0 Km
1/2 0 1 MI
Scale 1:24 000

FUGRO AIRBORNE SURVEYS