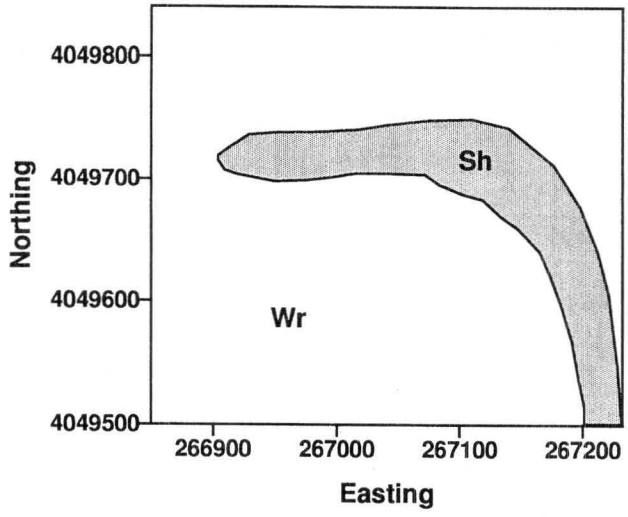
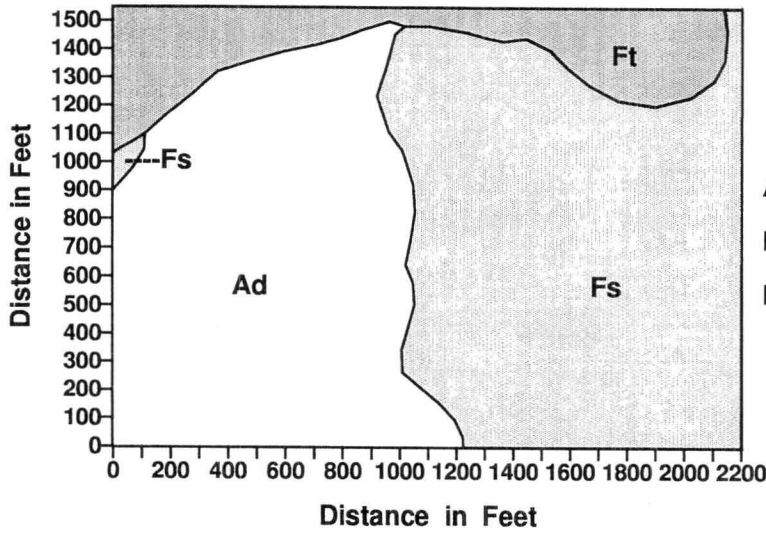
Soil Maps of the Study Sites
New Madrid County, Missouri



Site #1

Sh Sharkey sicl

Wr Wardell l

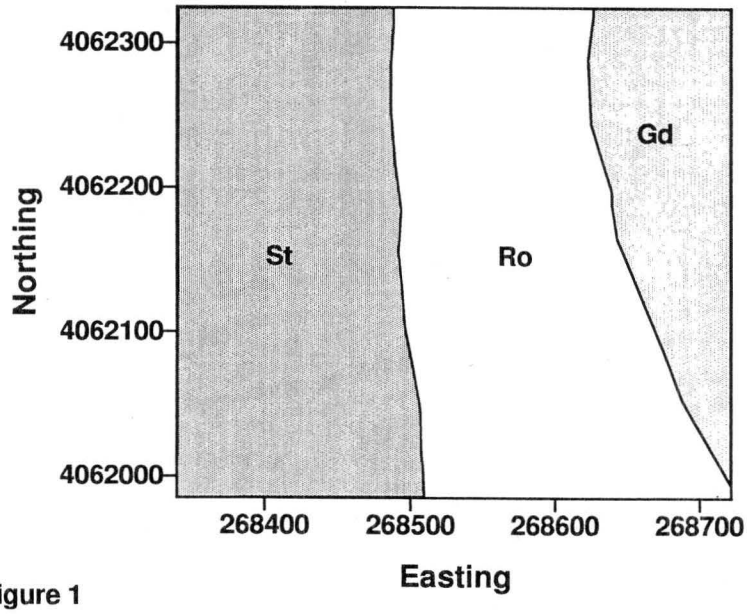


Site #2

Ad Acadia sil, loamy substratum

Fs Forestdale sil

Ft Forestdale sicl



Site #3

Gd Gideon l

Ro Roellen c

St Sikeston scl

Figure 1

EMI SURVEY - SITE 1
NEW MADRID COUNTY, MISSOURI
Veris 3100 Soil EC Mapping System
Locations of Traverse Lines and Observation points

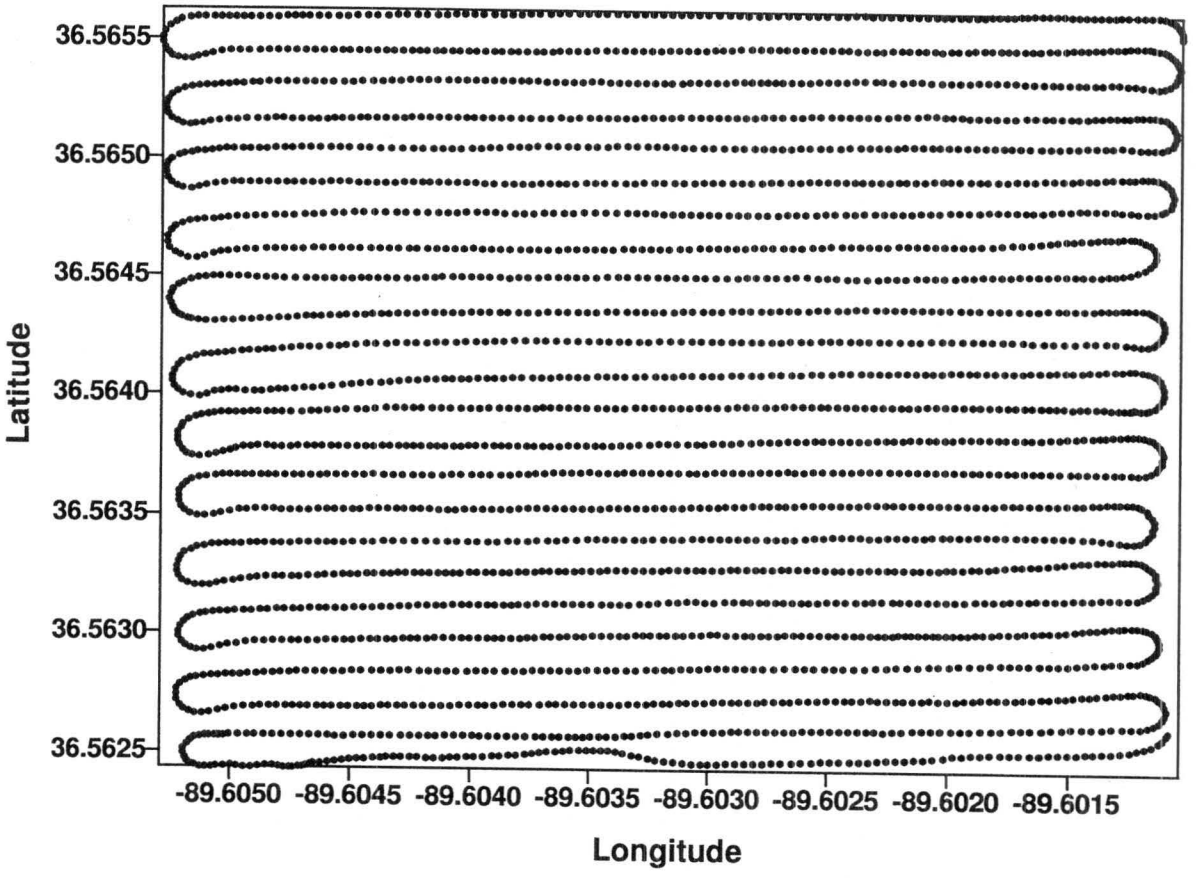


Figure 2

EMI SURVEY - SITE 1
NEW MADRID COUNTY, MISSOURI
Veris 3100 Soil EC Mapping System

Shallow (0 - 30 cm)

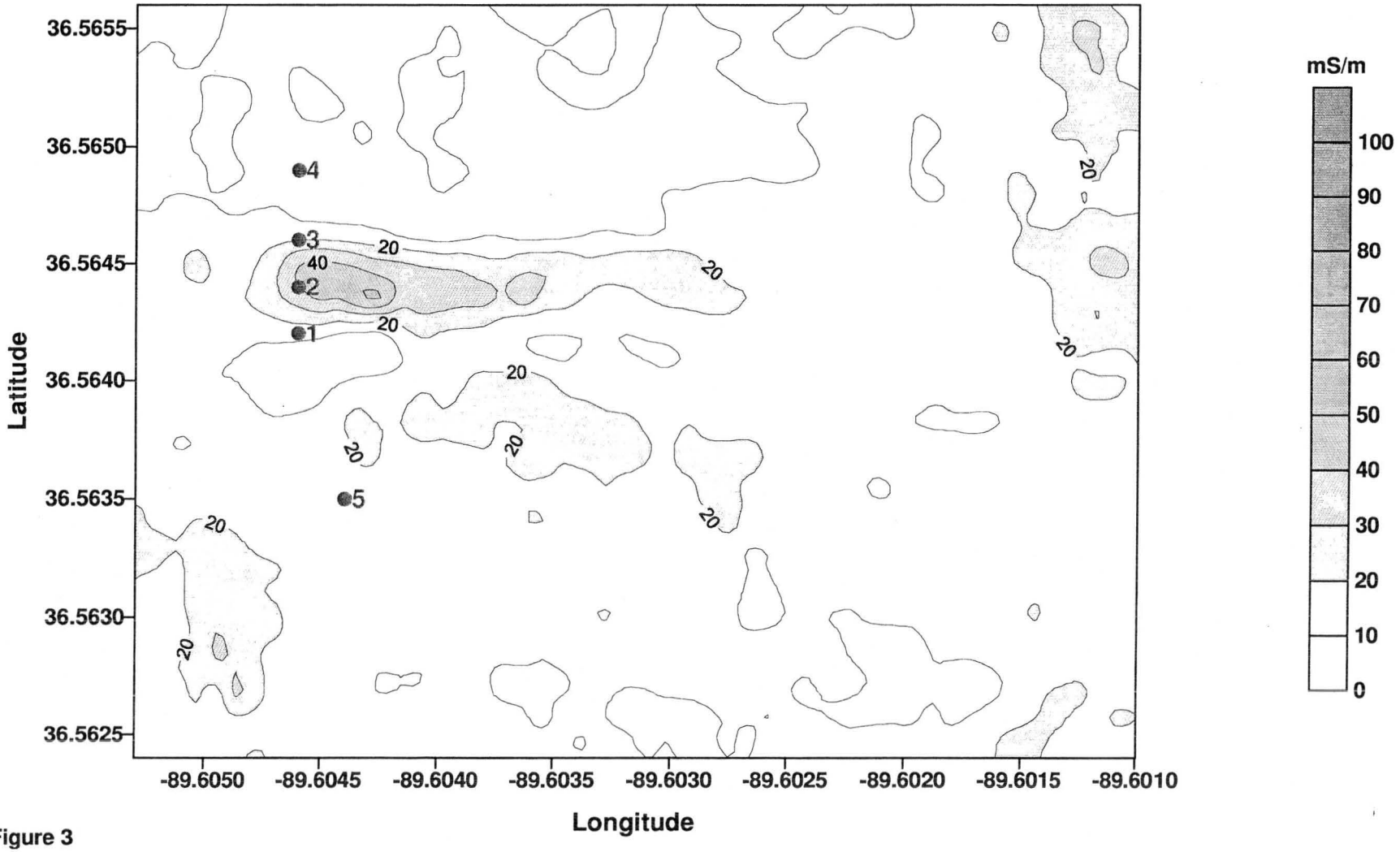


Figure 3

EMI SURVEY - SITE 1
NEW MADRID COUNTY, MISSOURI
Veris 3100 Soil EC Mapping System

Deep (0 - 90 cm)

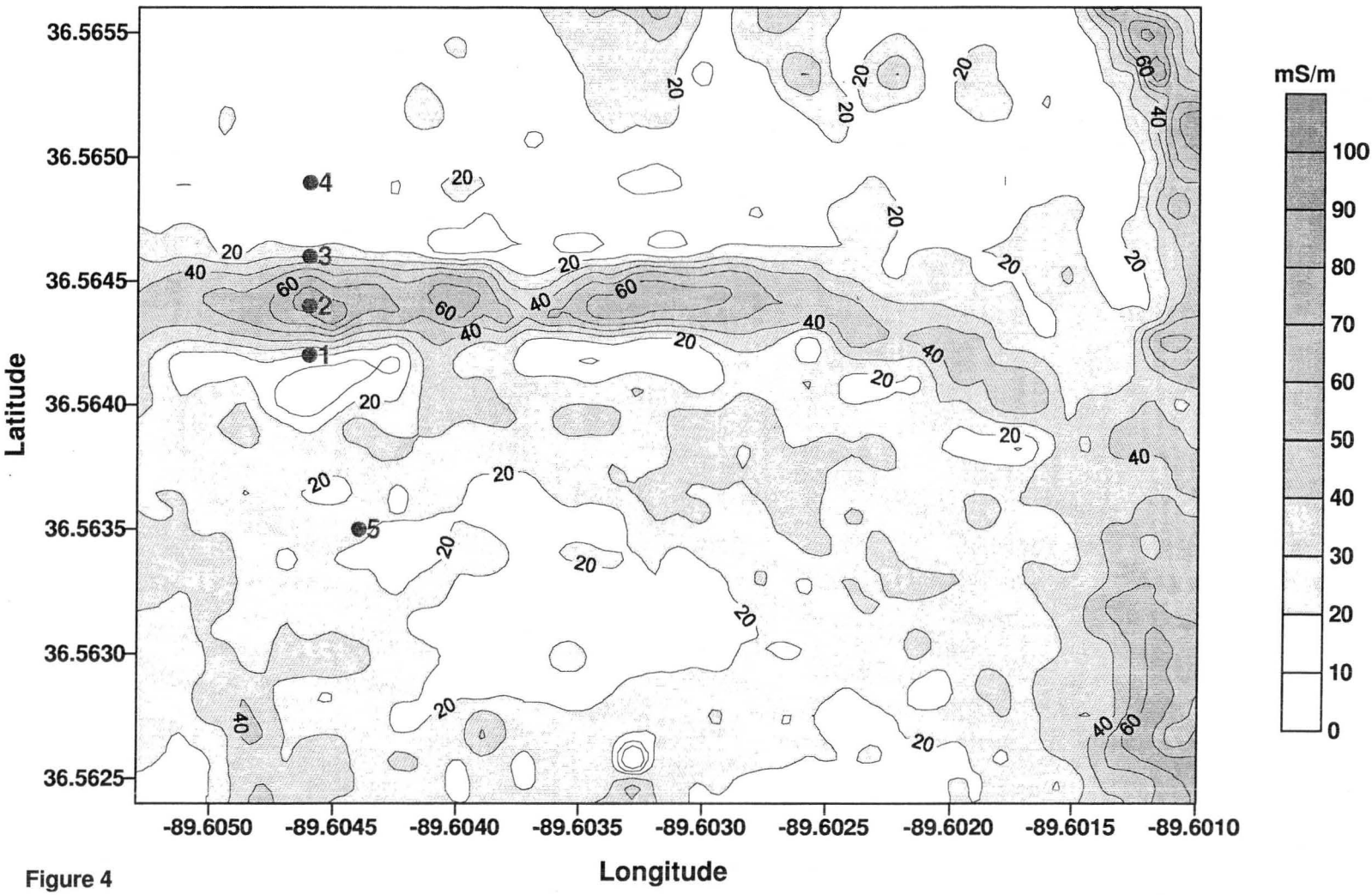


Figure 4

EMI SURVEY - SITE 1
NEW MADRID COUNTY, MISSOURI
GEM300 Sensor
Locations of Traverse Lines and Observation points

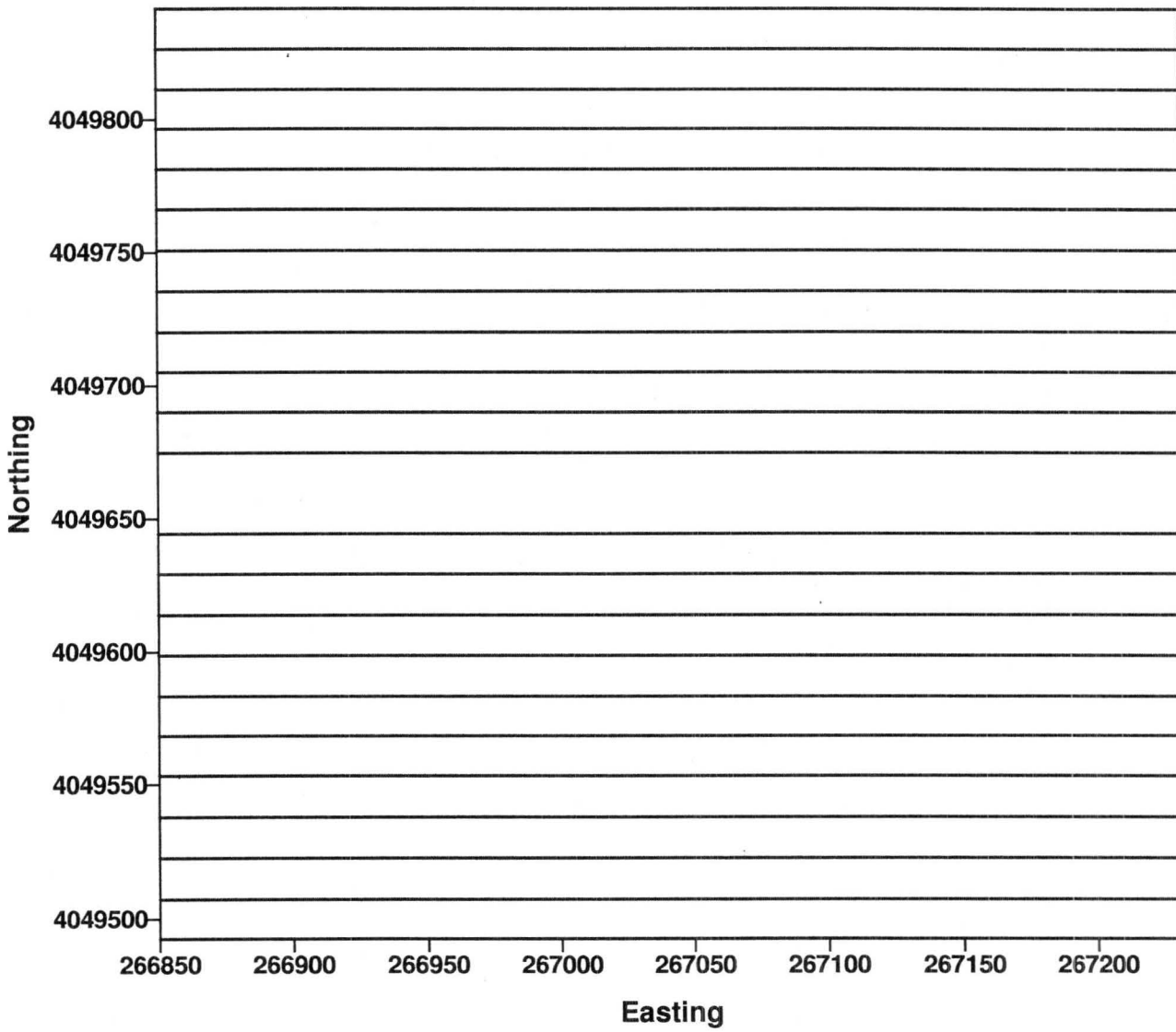


Figure 5

EMI SURVEY - Site 1
NEW MADRID COUNTY, MISSOURI
GEM300 Sensor
2010 Hz

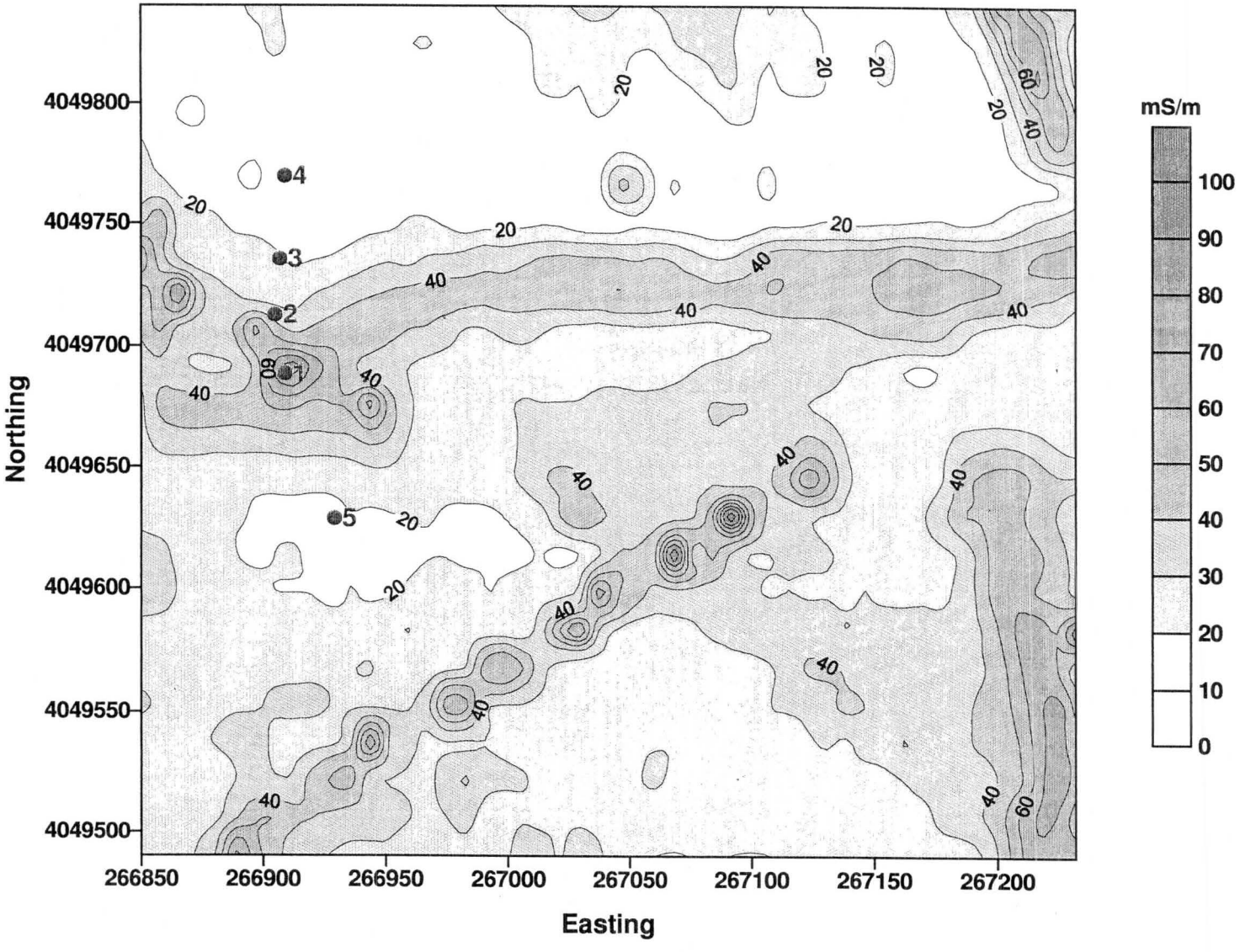


Figure 6

EMI SURVEY - Site 1
NEW MADRID COUNTY, MISSOURI
GEM300 Sensor

9810 Hz

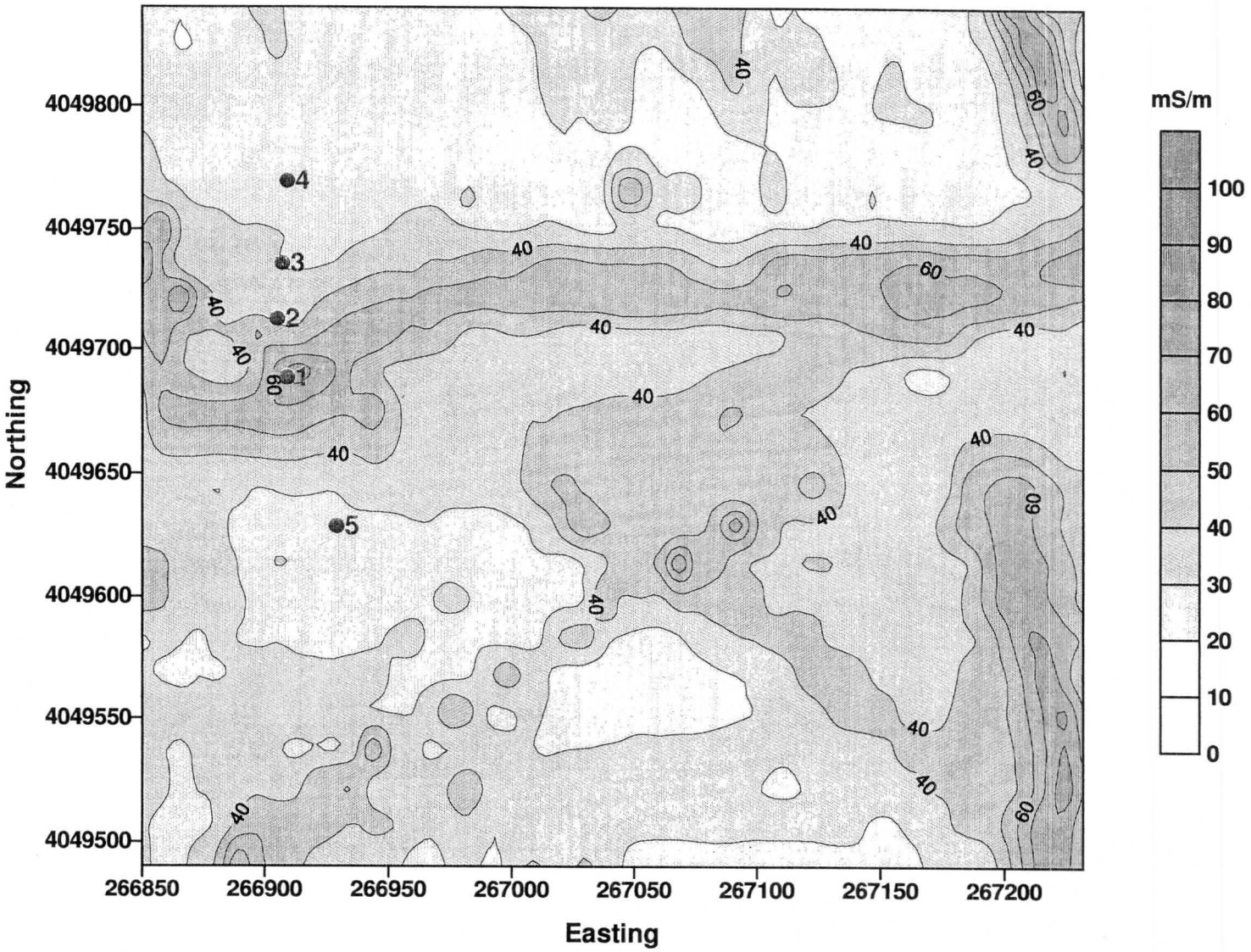


Figure 7

EMI SURVEY - Site 1
NEW MADRID COUNTY, MISSOURI
GEM300 Sensor

14610 Hz

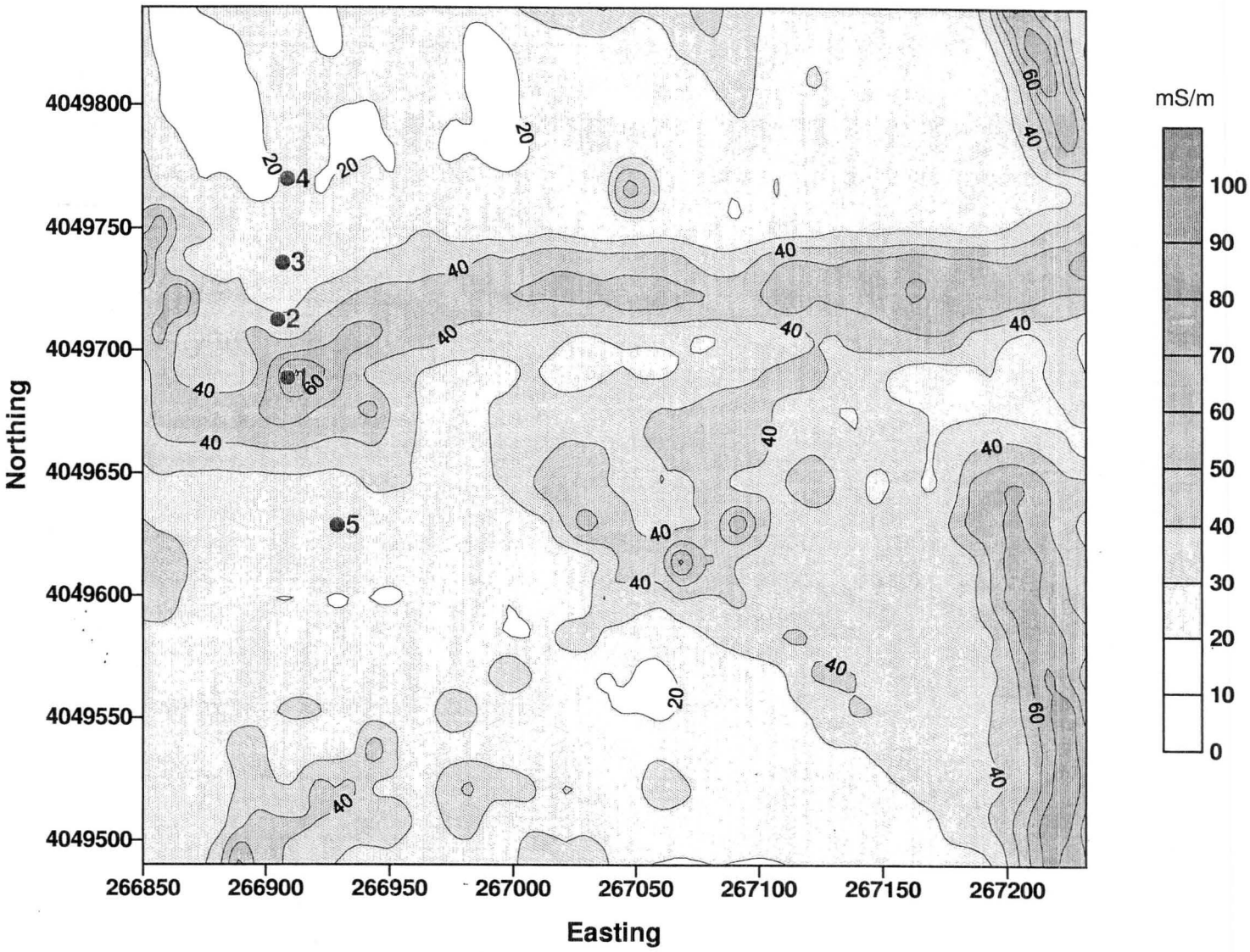


Figure 8

EMI SURVEY - SITE 1
NEW MADRID COUNTY, MISSOURI
EM38 & EM31 METERS
Locations of Traverse Lines and Observation points

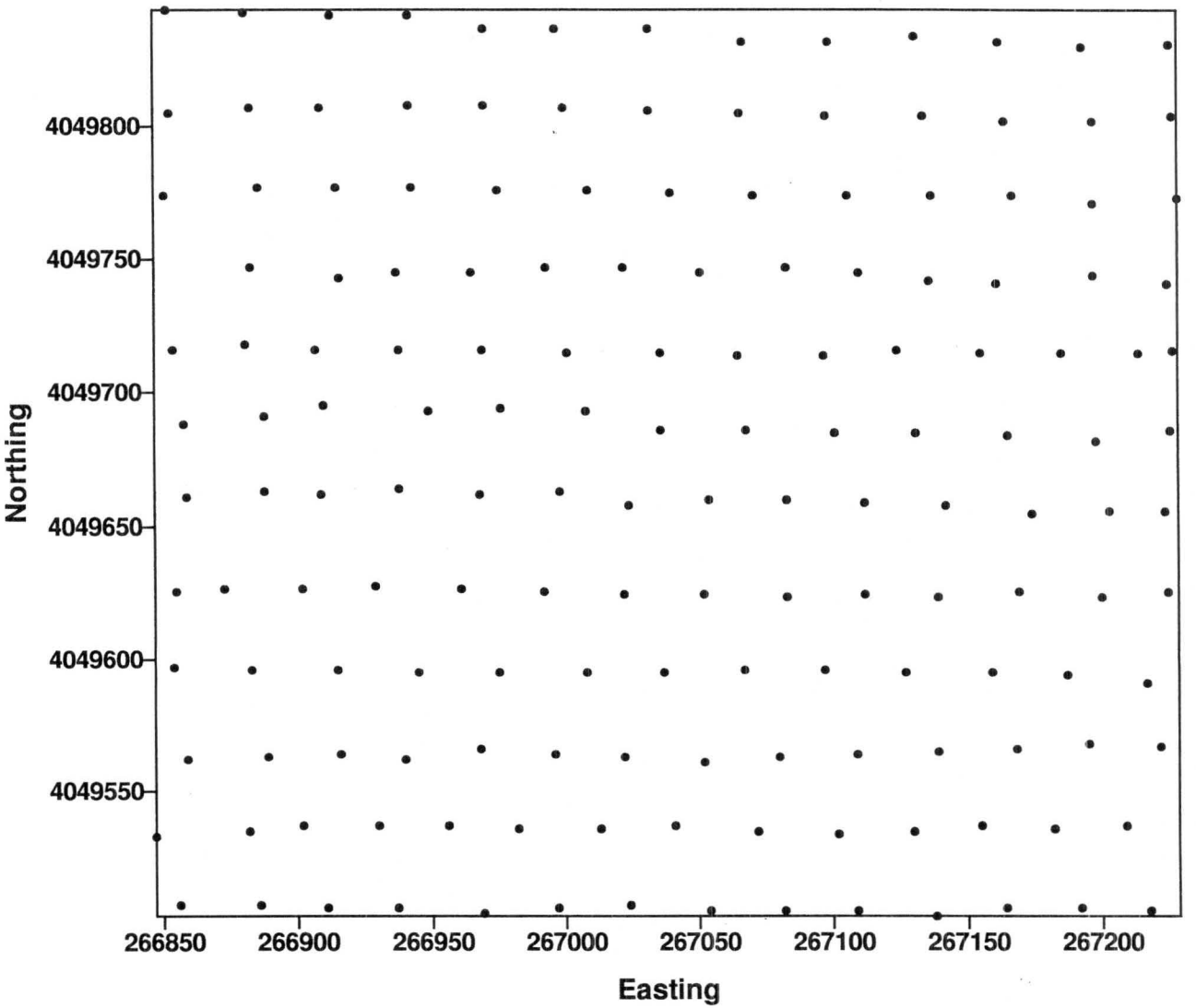


Figure 9

EMI SURVEY - Site 1
NEW MADRID COUNTY, MISSOURI
EM38 METER
Horizontal Dipole Orientation

0 - 75 Centimeters

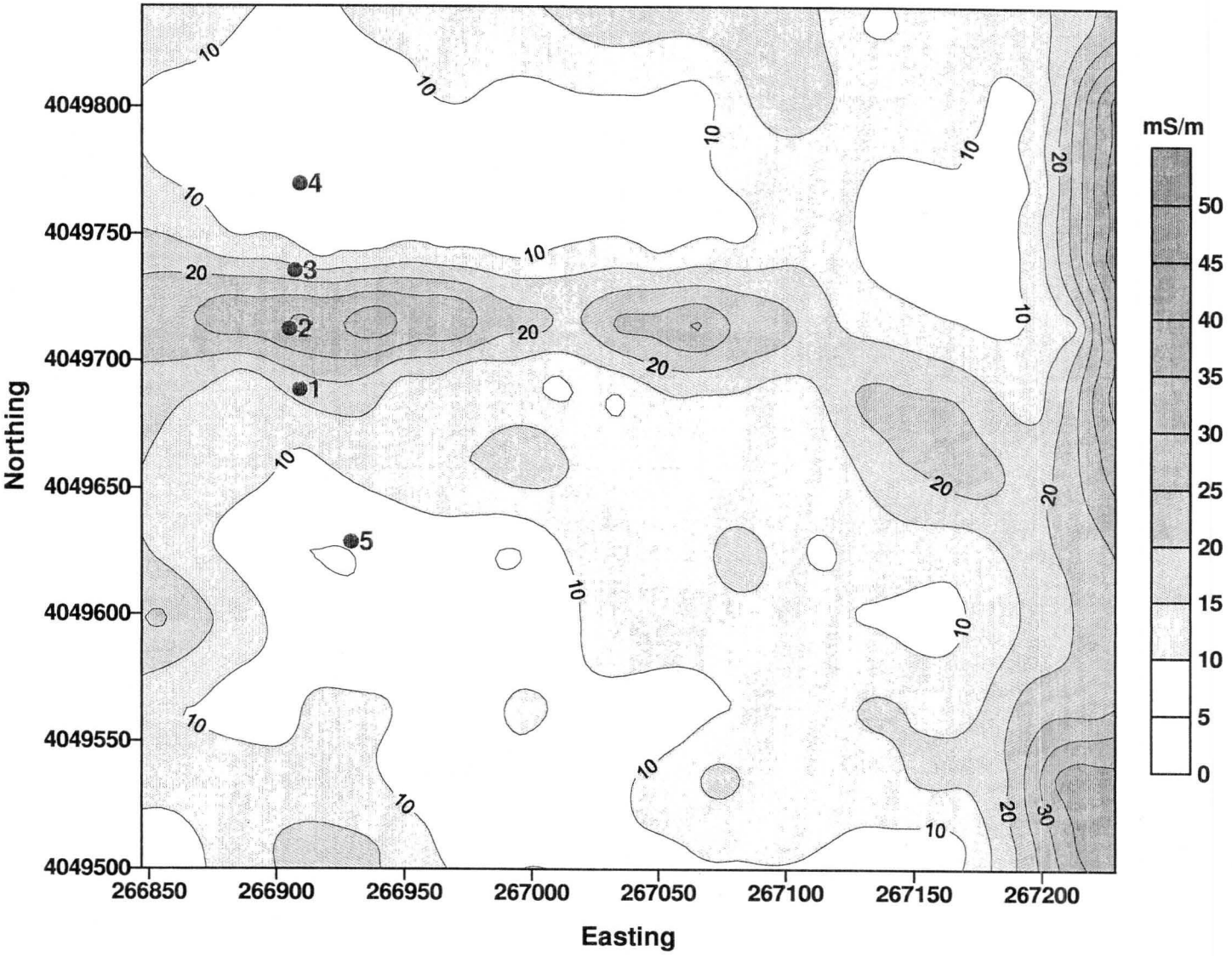


Figure 10

EMI SURVEY - Site 1
NEW MADRID COUNTY, MISSOURI
EM38 METER
Vertical Dipole Orientation

0 - 150 Centimeters

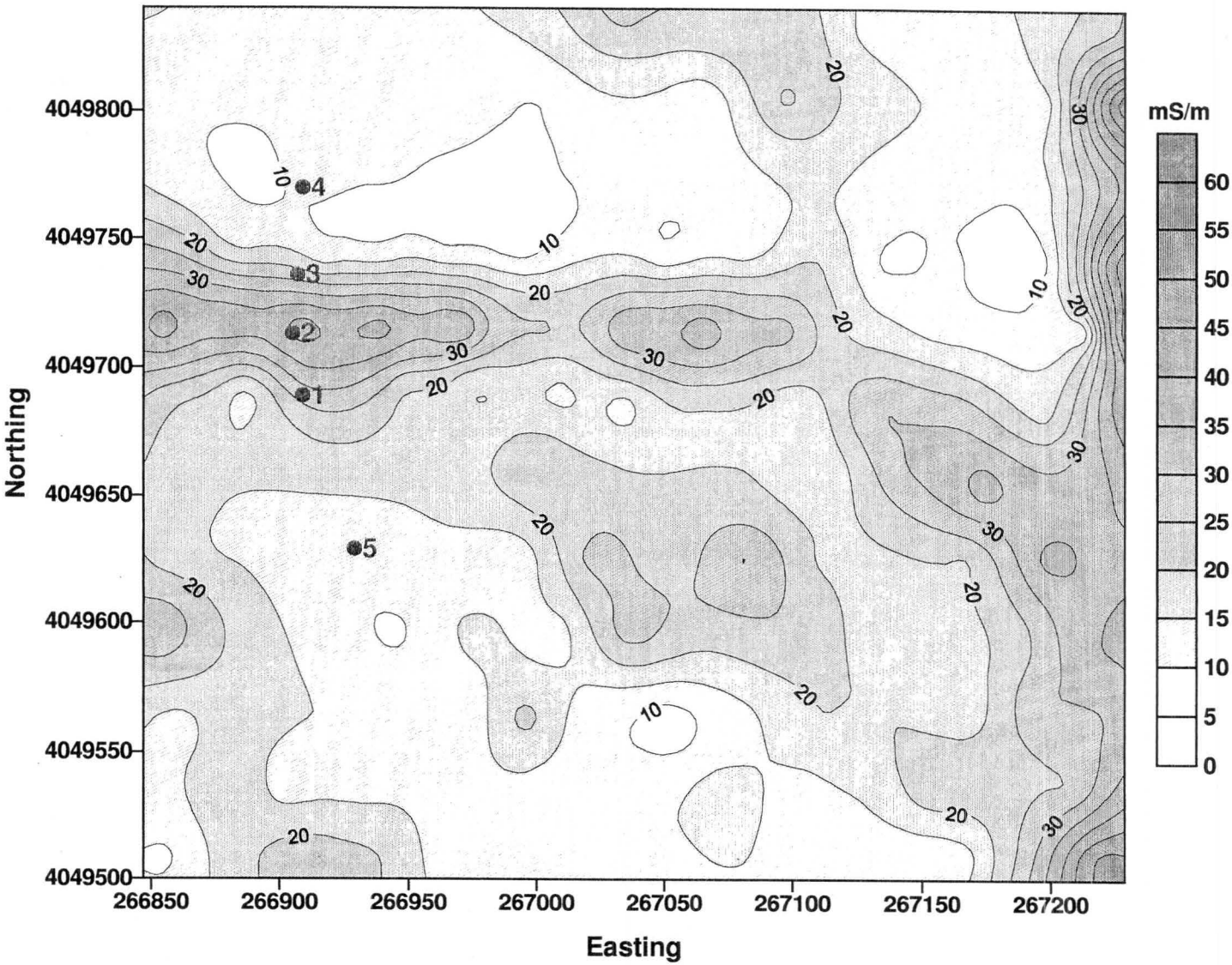


Figure 11

EMI SURVEY - Site 1
NEW MADRID COUNTY, MISSOURI
EM31 METER
Horizontal Dipole Orientation

0 - 3 Meters

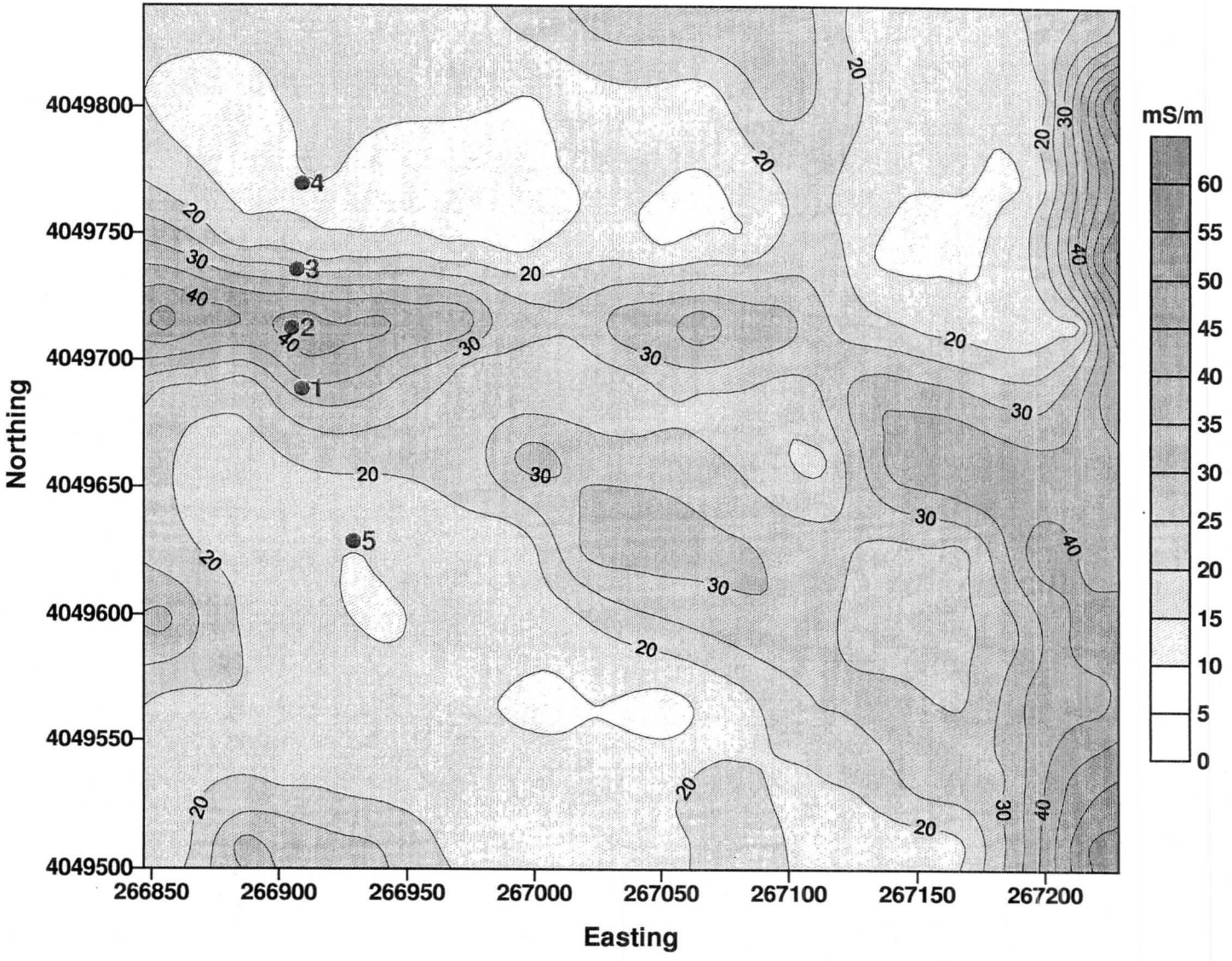


Figure 12

EMI SURVEY - Site 1
NEW MADRID COUNTY, MISSOURI
EM31 METER
Vertical Dipole Orientation

0 - 6 Meters

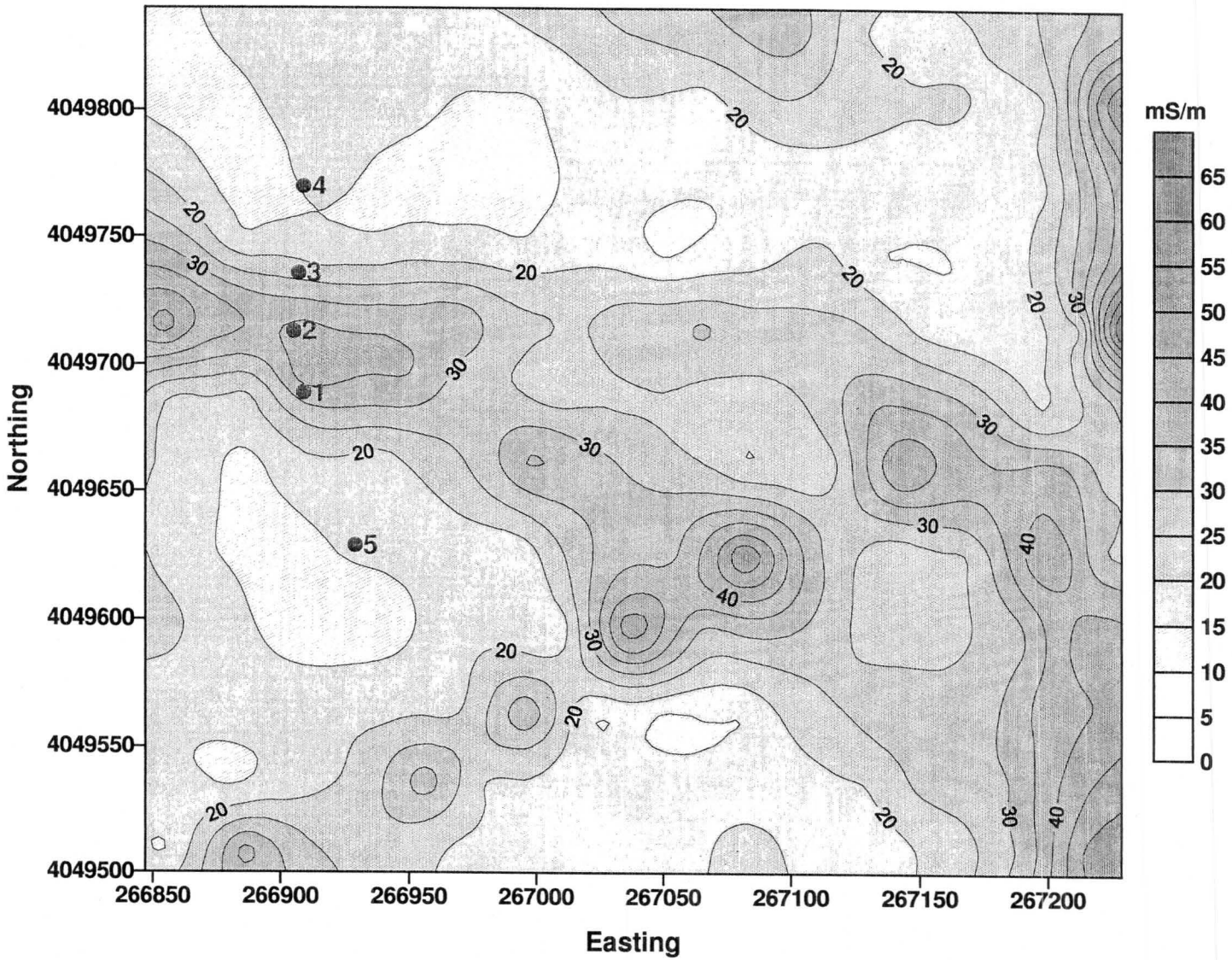


Figure 13

EMI SURVEY - SITE 2
NEW MADRID COUNTY, MISSOURI
Veris 3100 Soil EC Mapping System
Locations of Traverse Lines and Observation points

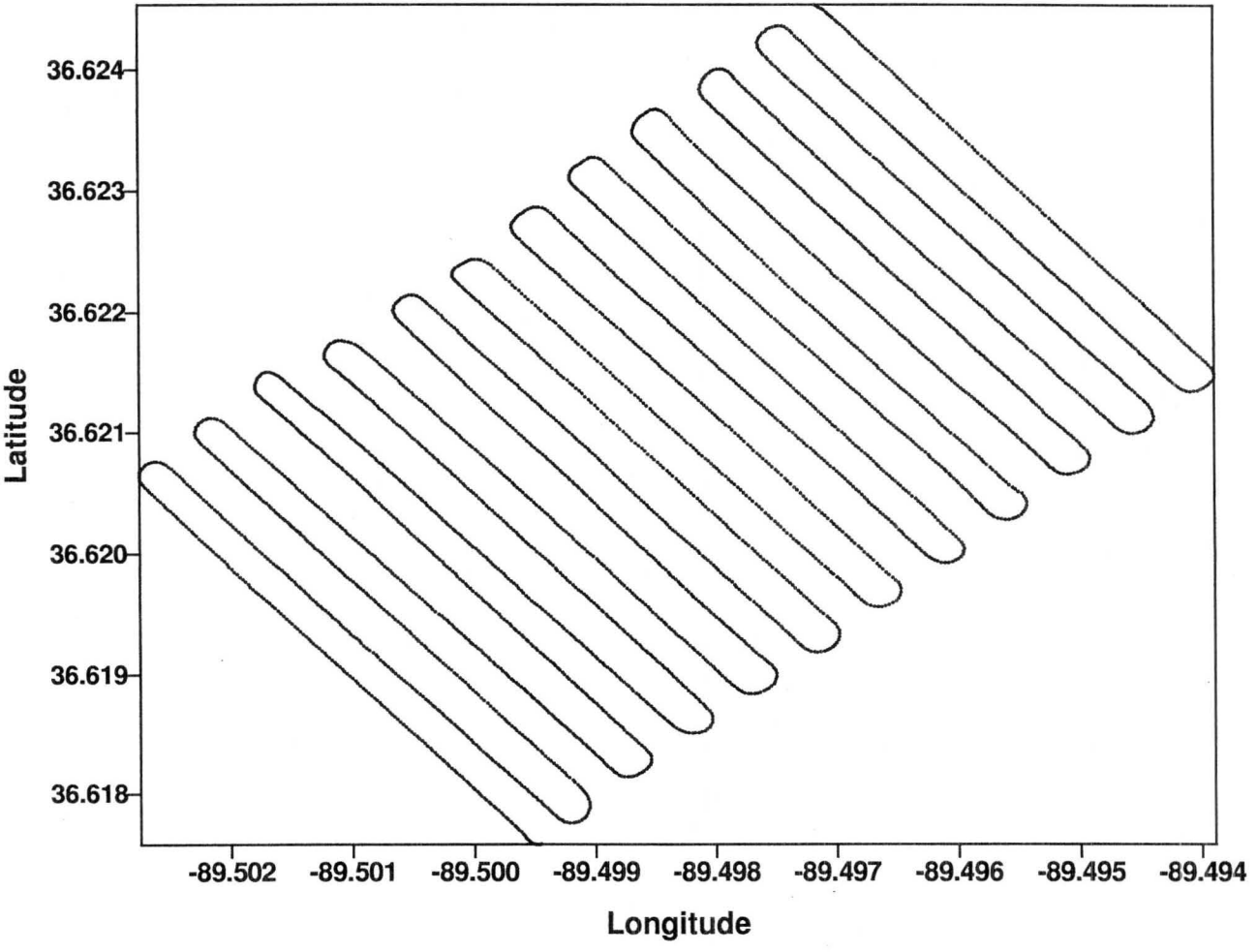


Figure 14

EMI SURVEY - SITE 2
NEW MADRID COUNTY, MISSOURI
Veris 3100 Soil EC Mapping System

Shallow (0 - 30 cm)

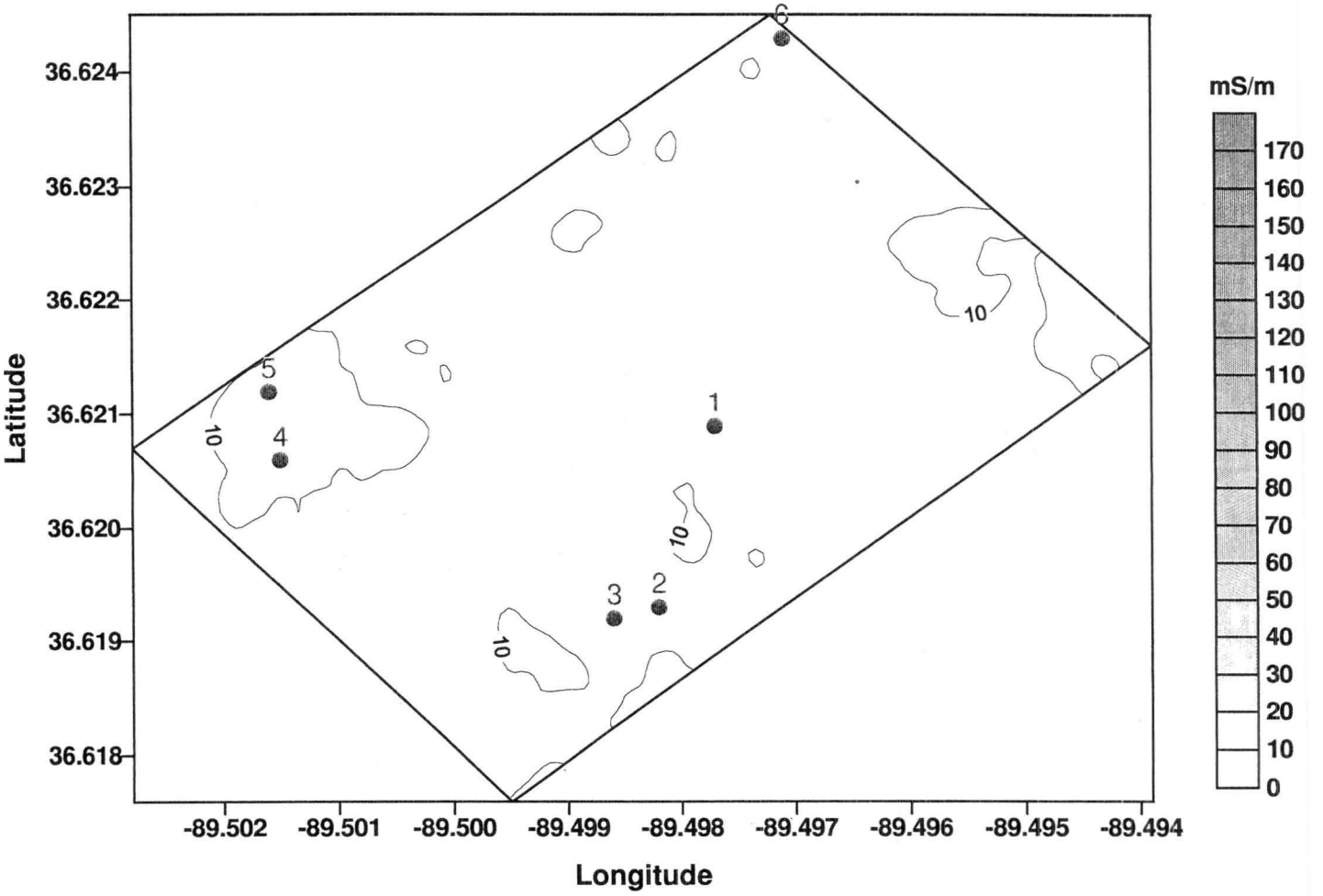


Figure 15

EMI SURVEY - SITE 2
NEW MADRID COUNTY, MISSOURI
Veris 3100 Soil EC Mapping System

Deep (0 - 90 cm)

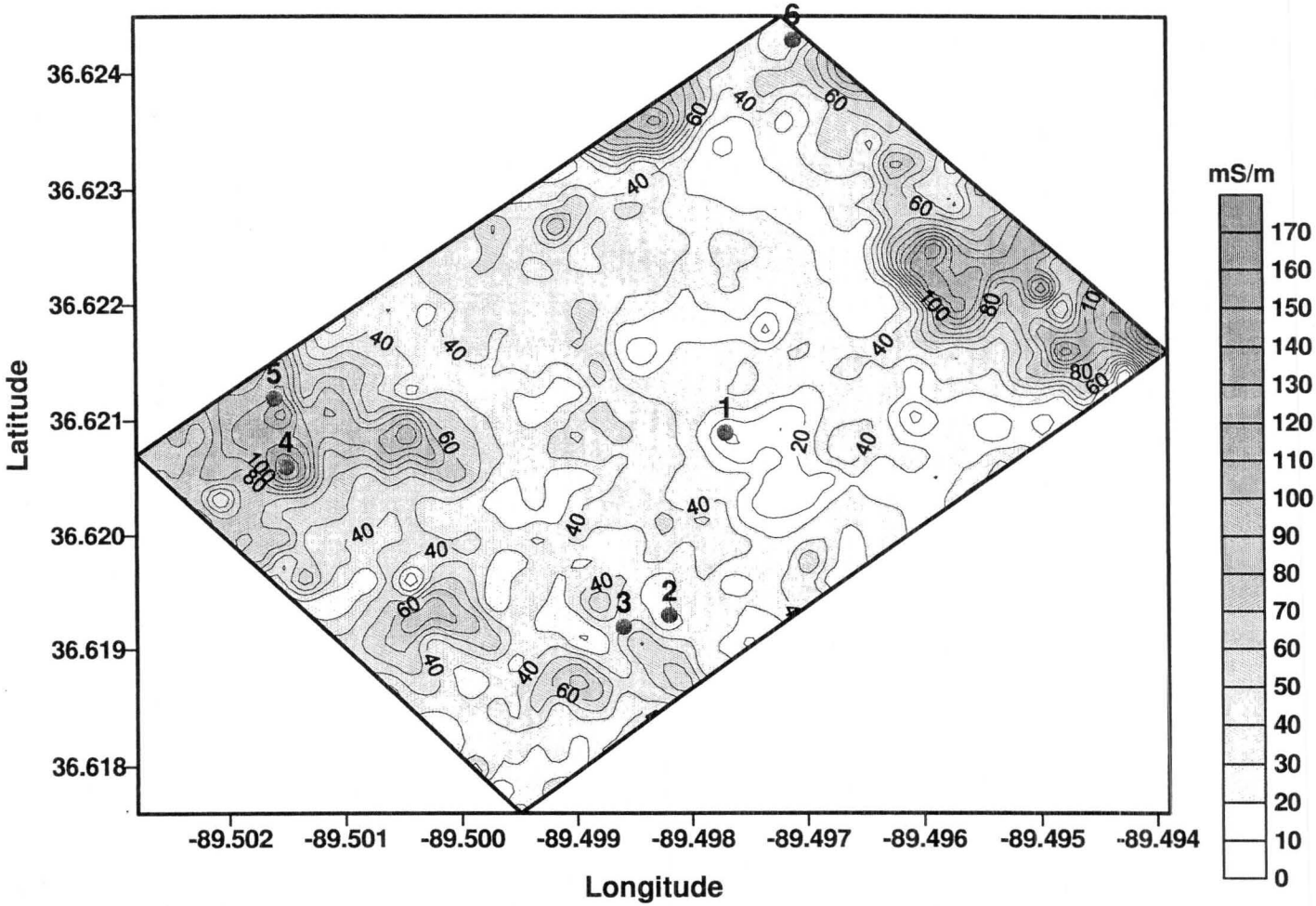


Figure 16

EMI SURVEY - SITE 2
NEW MADRID COUNTY, MISSOURI
GEM300 SENSOR
Locations of Observation points

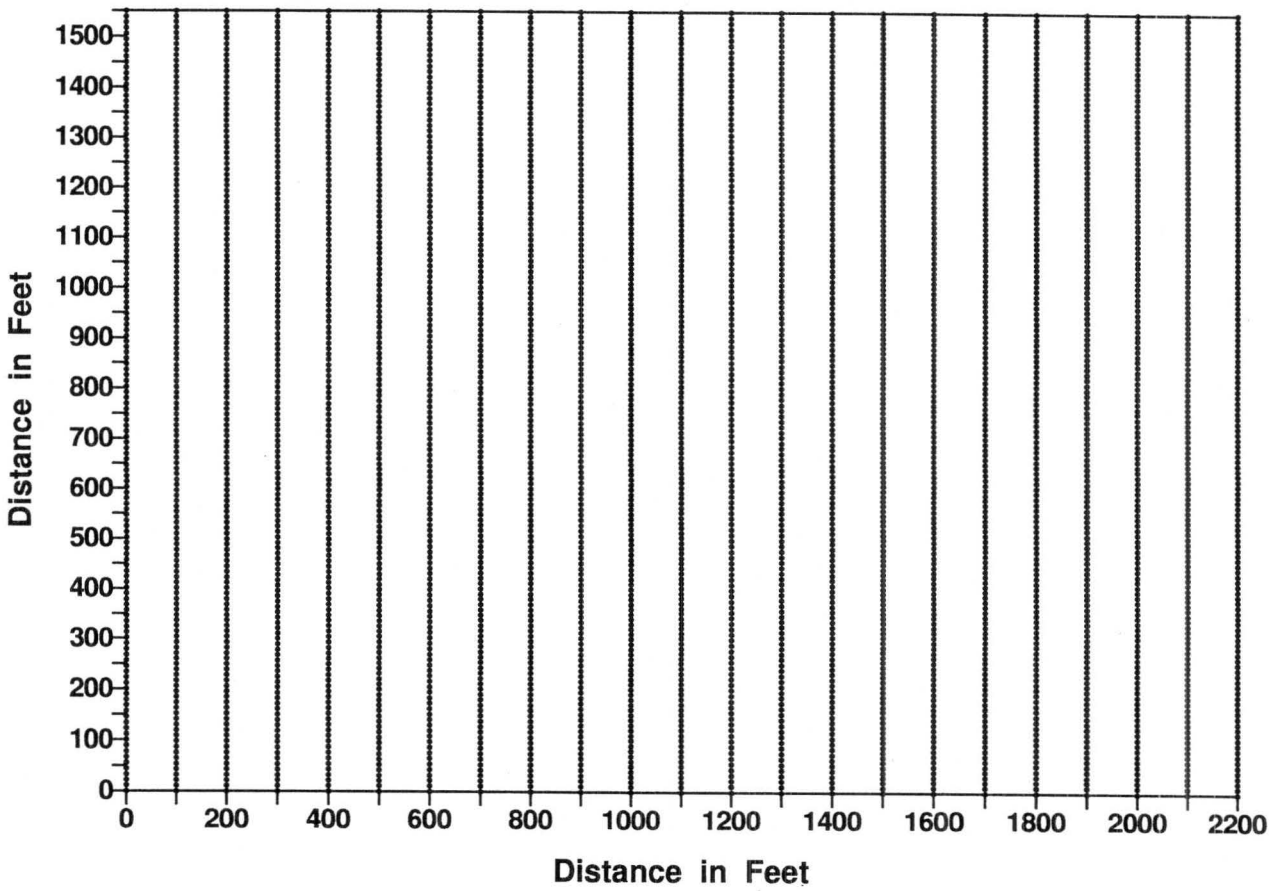


Figure 17

EMI SURVEY - Site 2
NEW MADRID COUNTY, MISSOURI
GEM300 SENSOR

2010 Hz

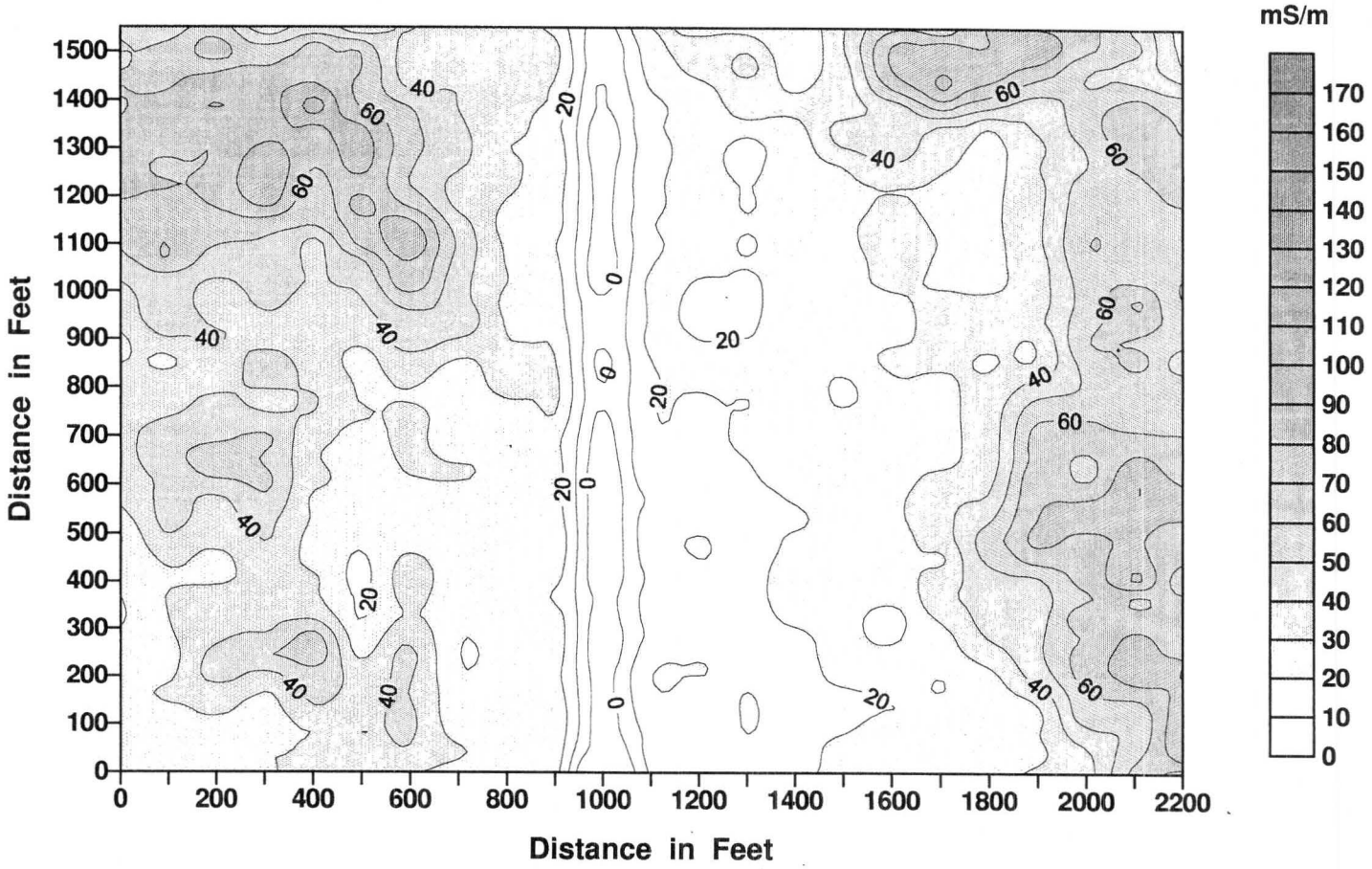


Figure 18

EMI SURVEY - Site 2
NEW MADRID COUNTY, MISSOURI
GEM300 SENSOR

9810 Hz

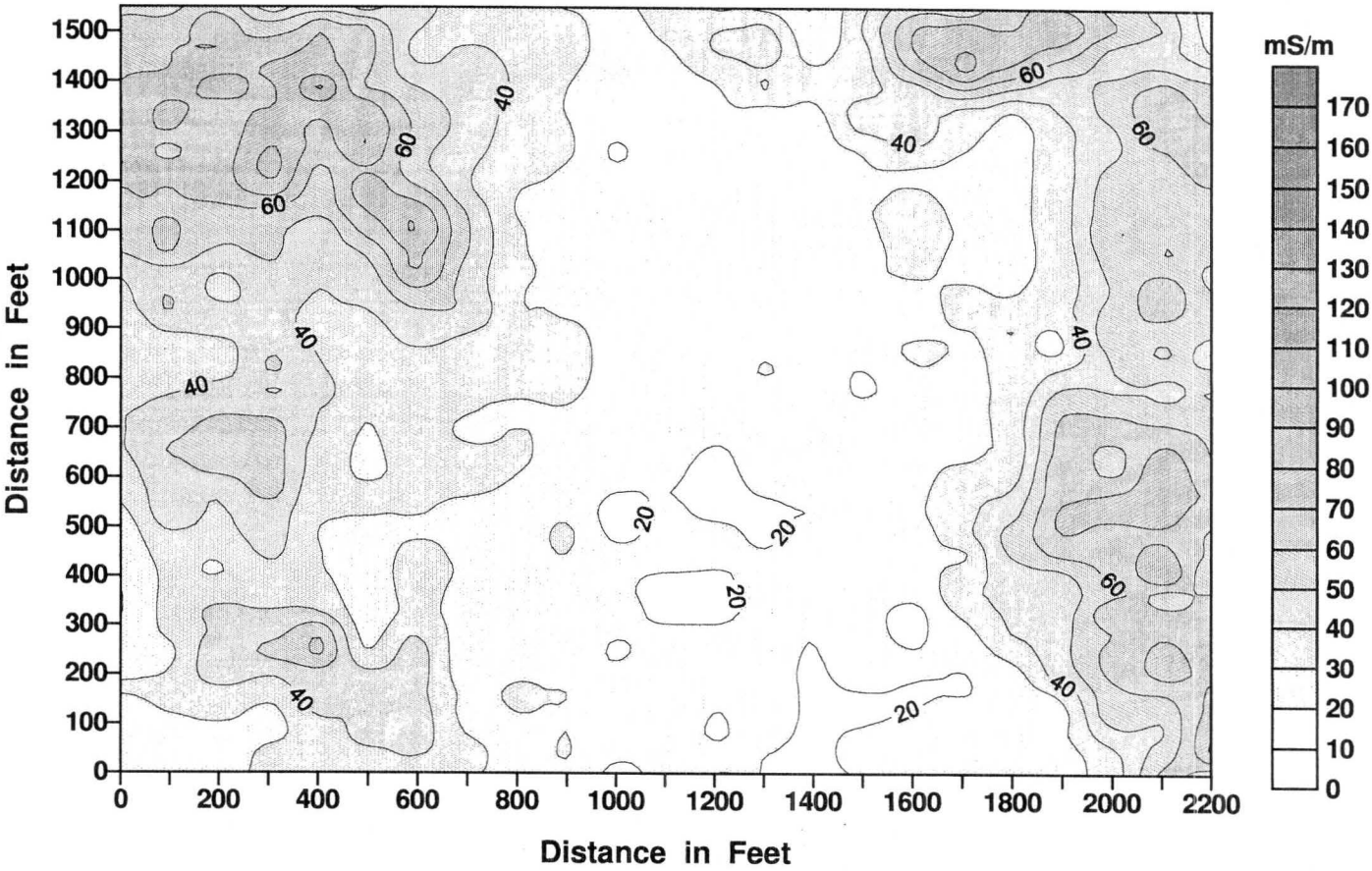


Figure 19

EMI SURVEY - Site 2
NEW MADRID COUNTY, MISSOURI
GEM300 SENSOR

14610 Hz

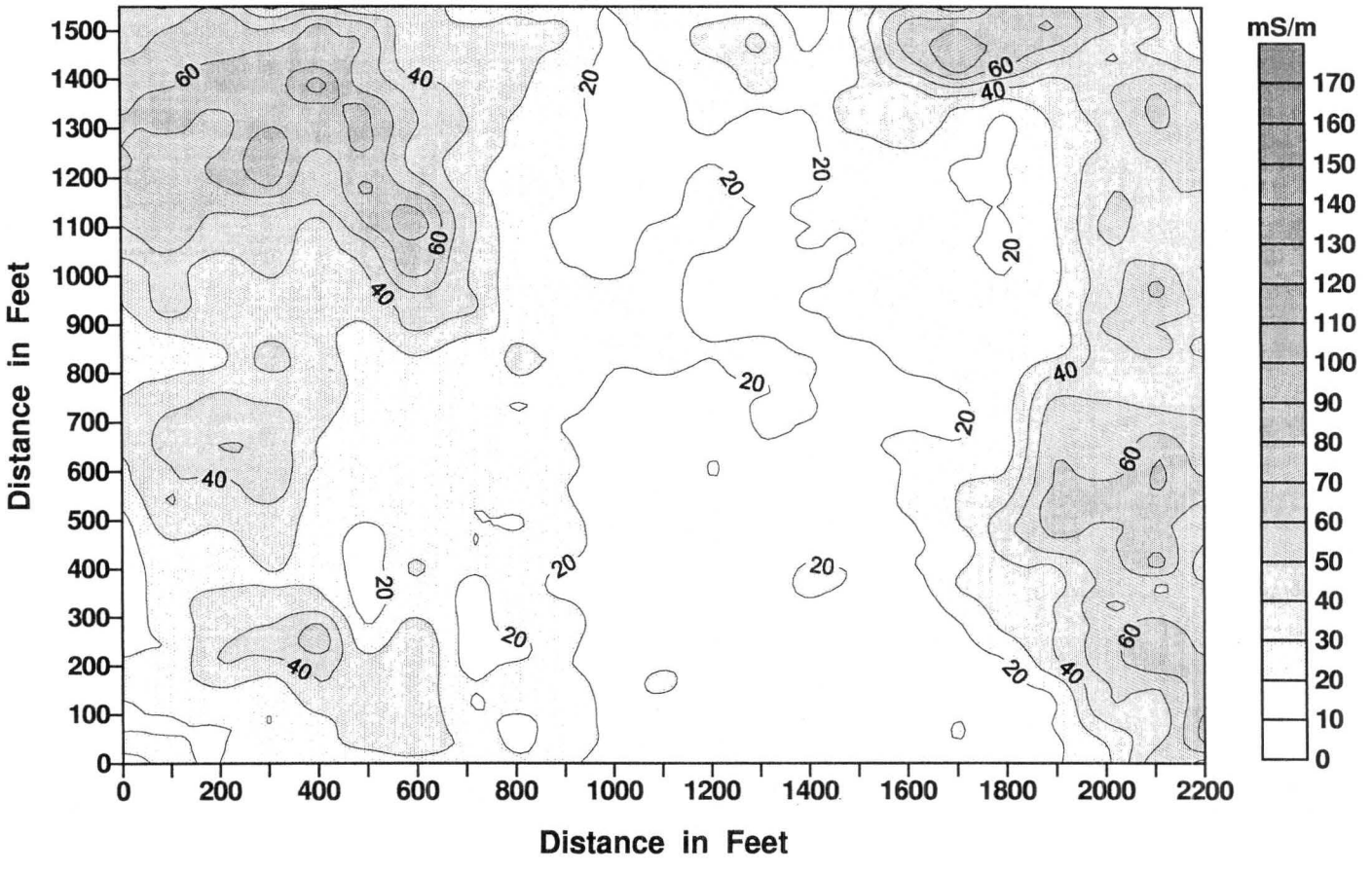


Figure 20

EMI SURVEY - SITE 2
NEW MADRID COUNTY, MISSOURI
EM38 Meter
Locations of Observation points

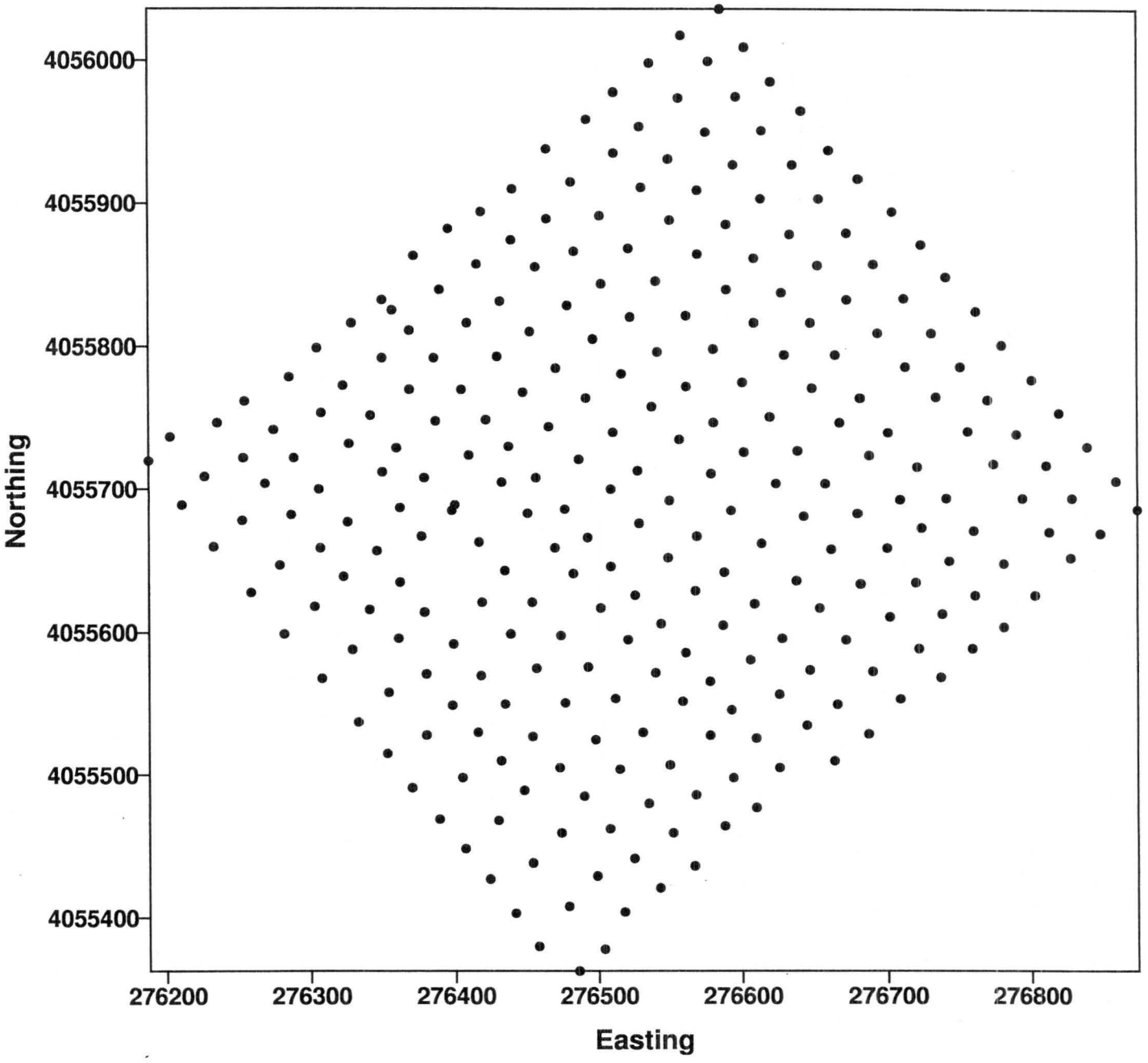


Figure 21

EMI SURVEY - Site 2
NEW MADRID COUNTY, MISSOURI
EM38 METER
Horizontal Dipole Orientation

0 - 75 cm

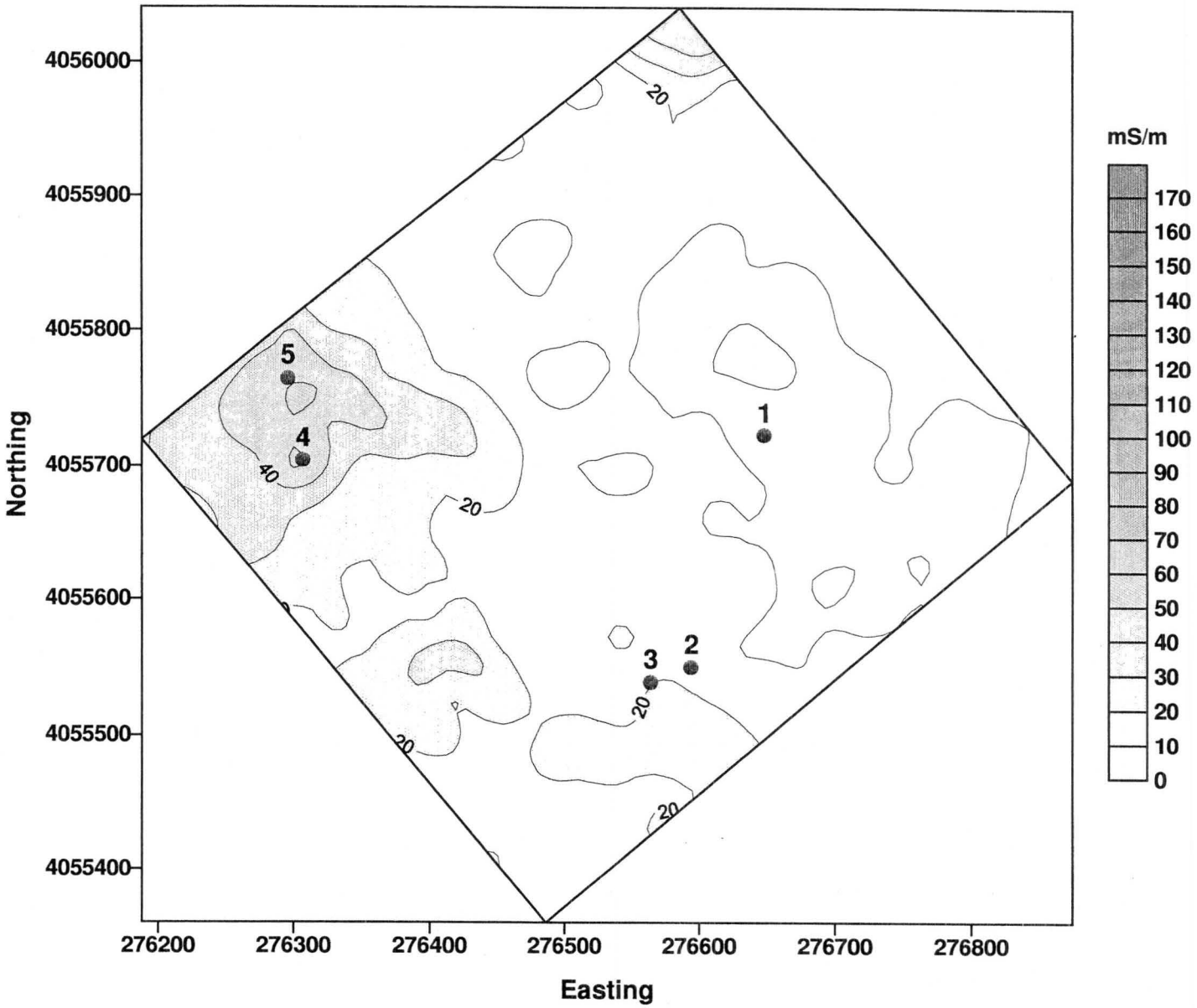


Figure 22

EMI SURVEY - Site 2
NEW MADRID COUNTY, MISSOURI
EM38 METER
Vertical Dipole Orientation

0 - 150 cm

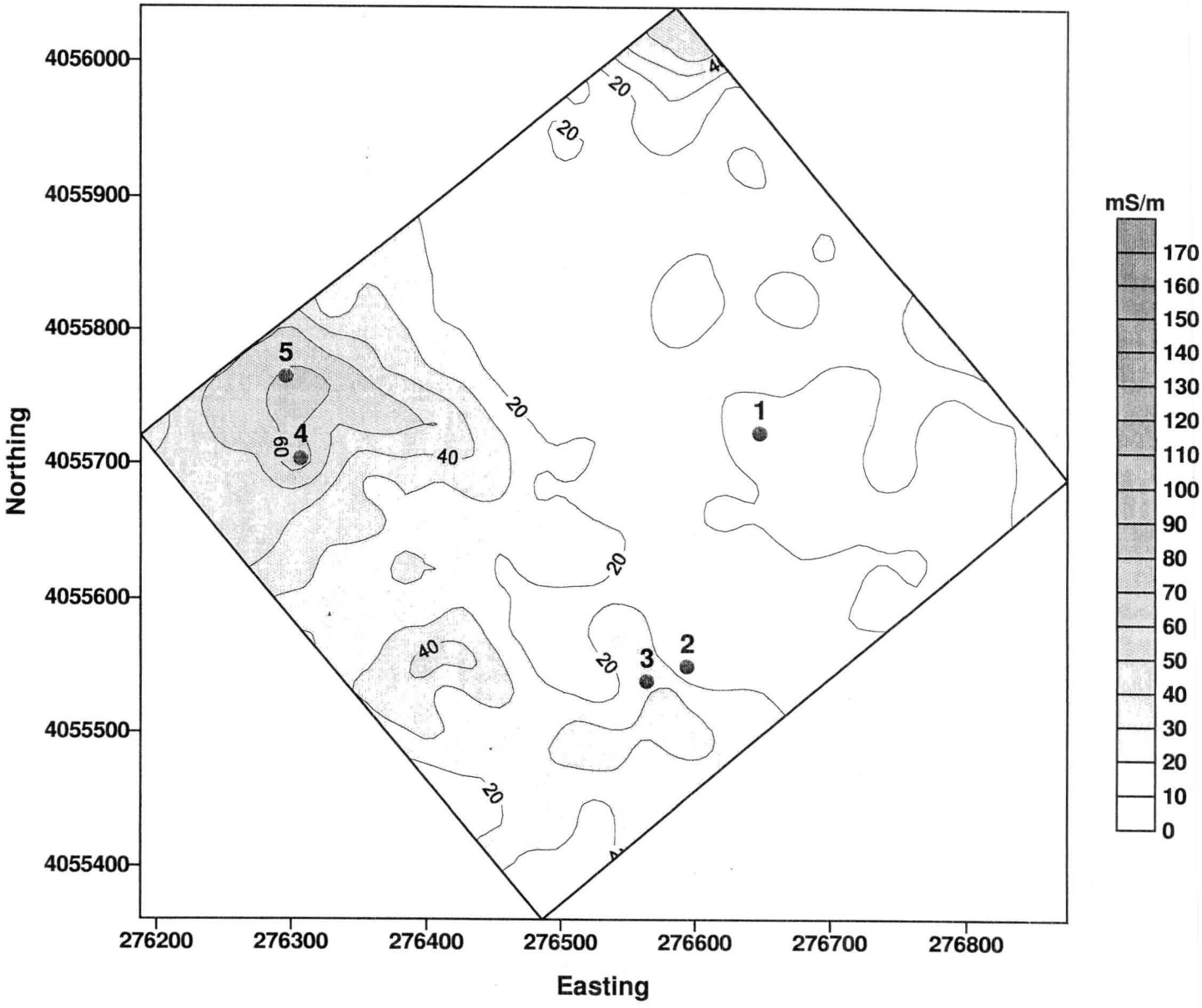


Figure 23

EMI SURVEY - SITE 3
NEW MADRID COUNTY, MISSOURI
Veris 3100 Soil EC Mapping System
Location of Traverse Lines and Observation Points

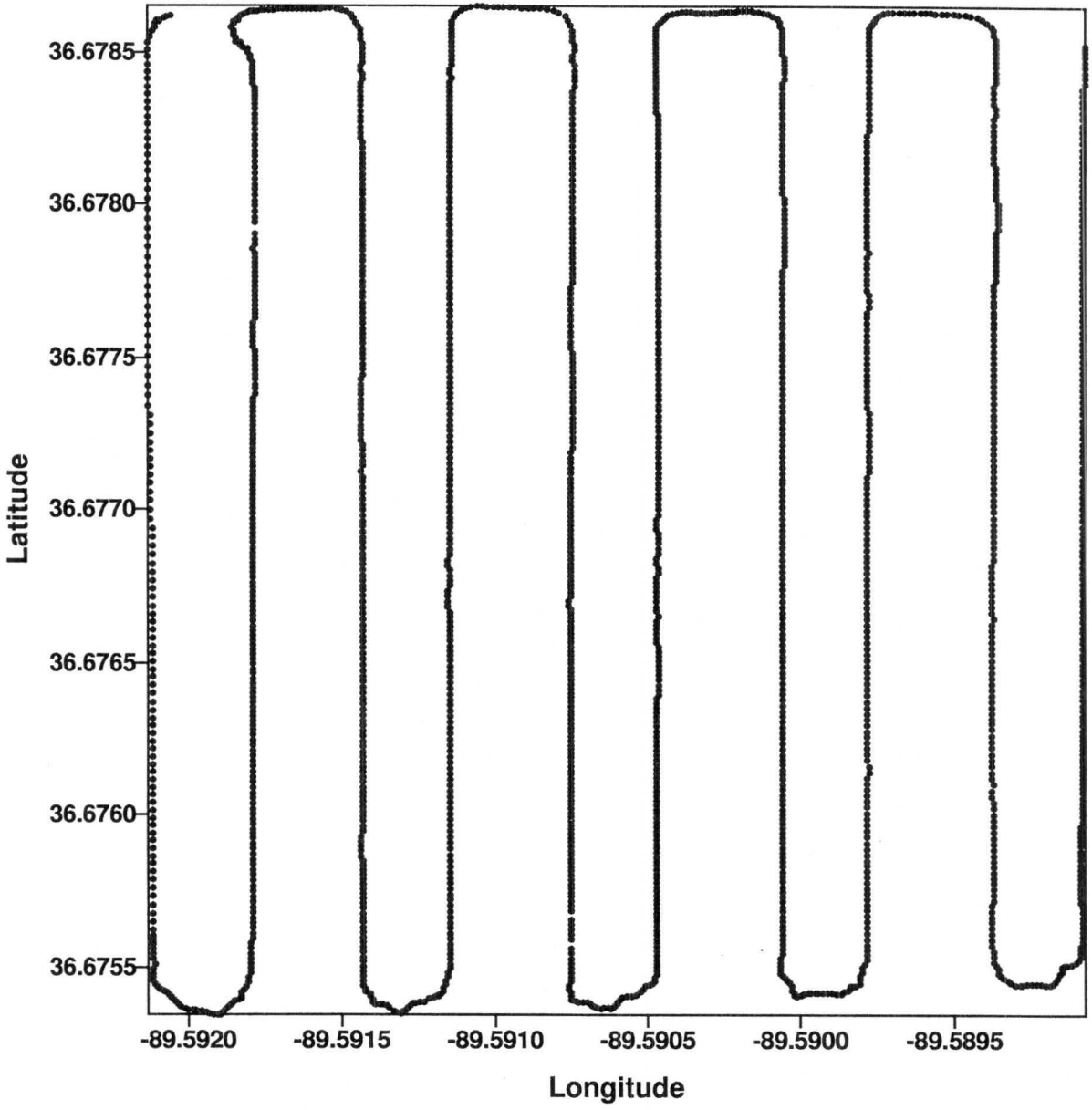


Figure 24

EMI SURVEY - SITE 3
NEW MADRID COUNTY, MISSOURI
Veris 3100 Soil EC Mapping System

Shallow (0 - 30 cm)

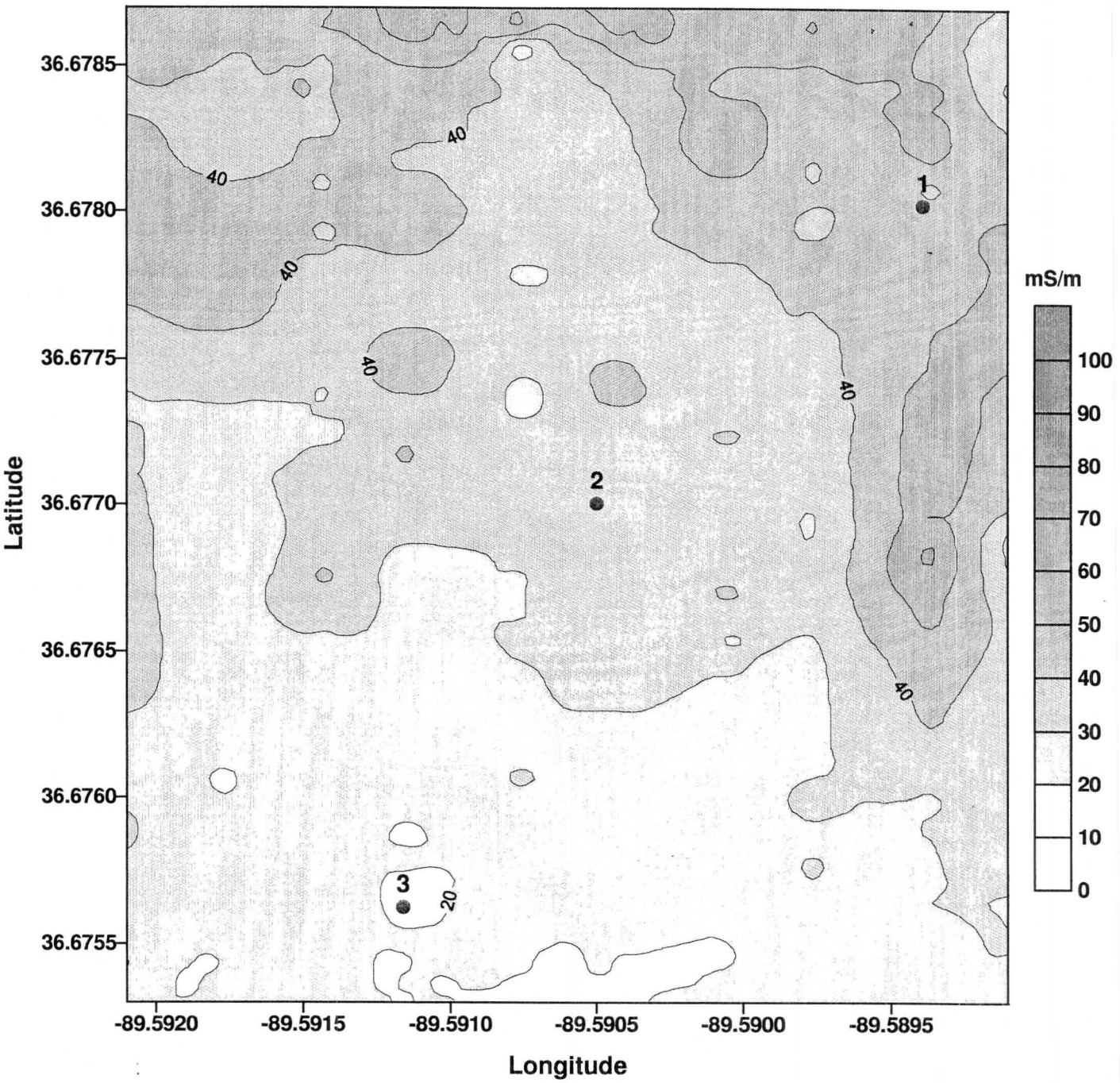


Figure 25

EMI SURVEY - SITE 3
NEW MADRID COUNTY, MISSOURI
Veris 3100 Soil EC Mapping System

Deep (0 - 90 cm)

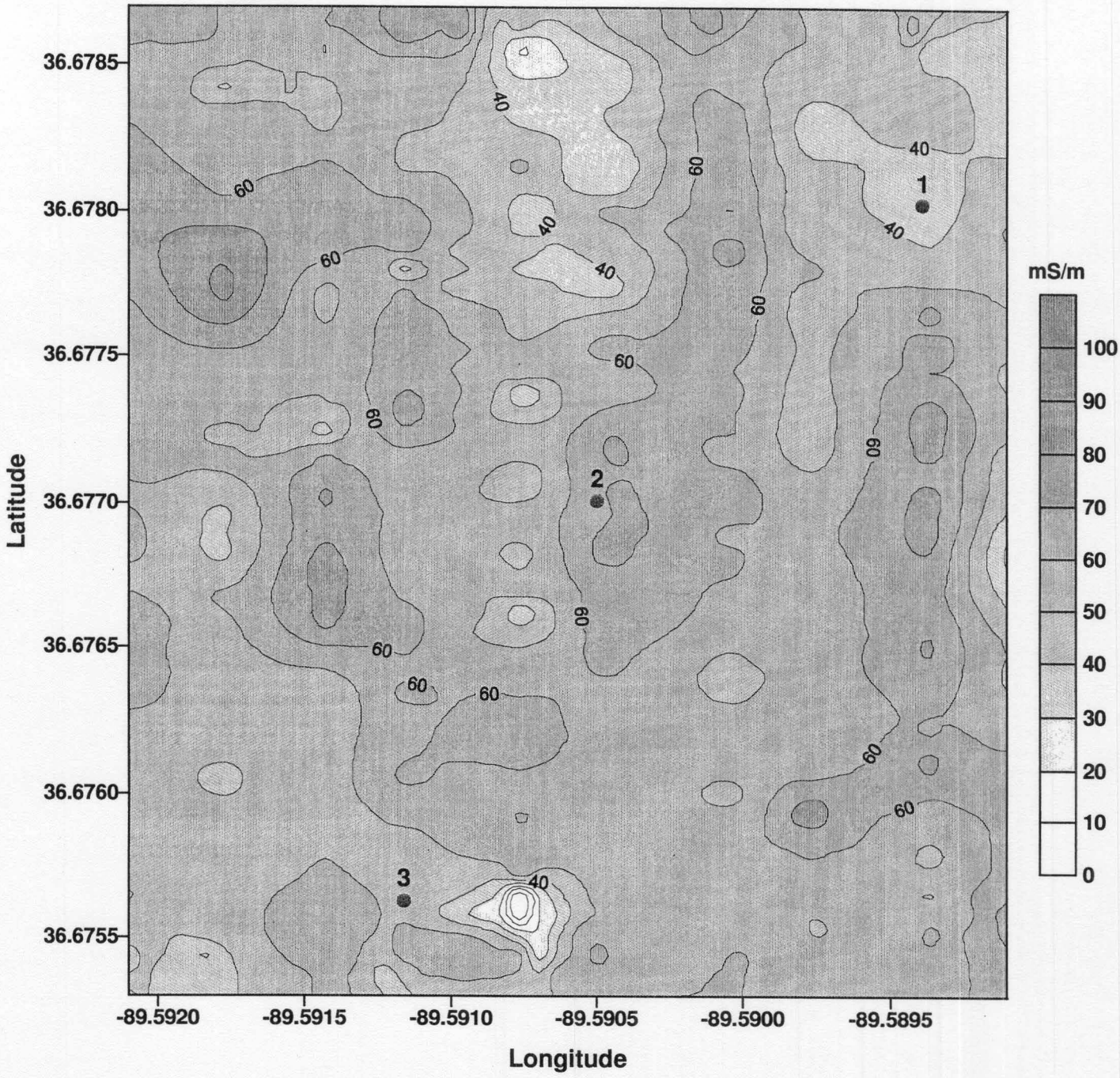


Figure 26

EMI SURVEY
NEW MADRID COUNTY, MISSOURI
GEM300 SENSOR
Location of Observation Points

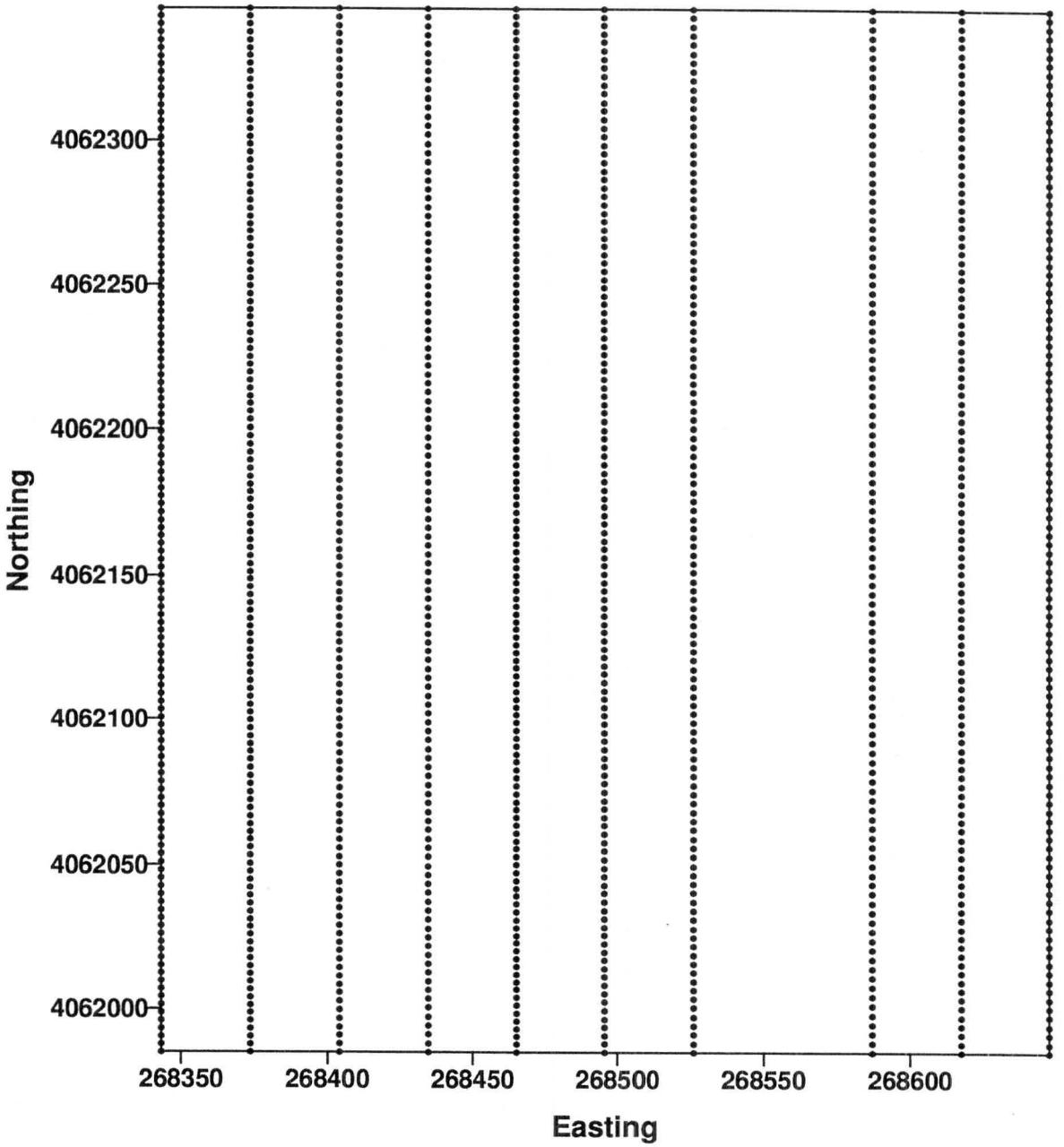


Figure 27

EMI SURVEY - Site 3
NEW MADRID COUNTY, MISSOURI
GEM300 SENSOR

2010 Hz

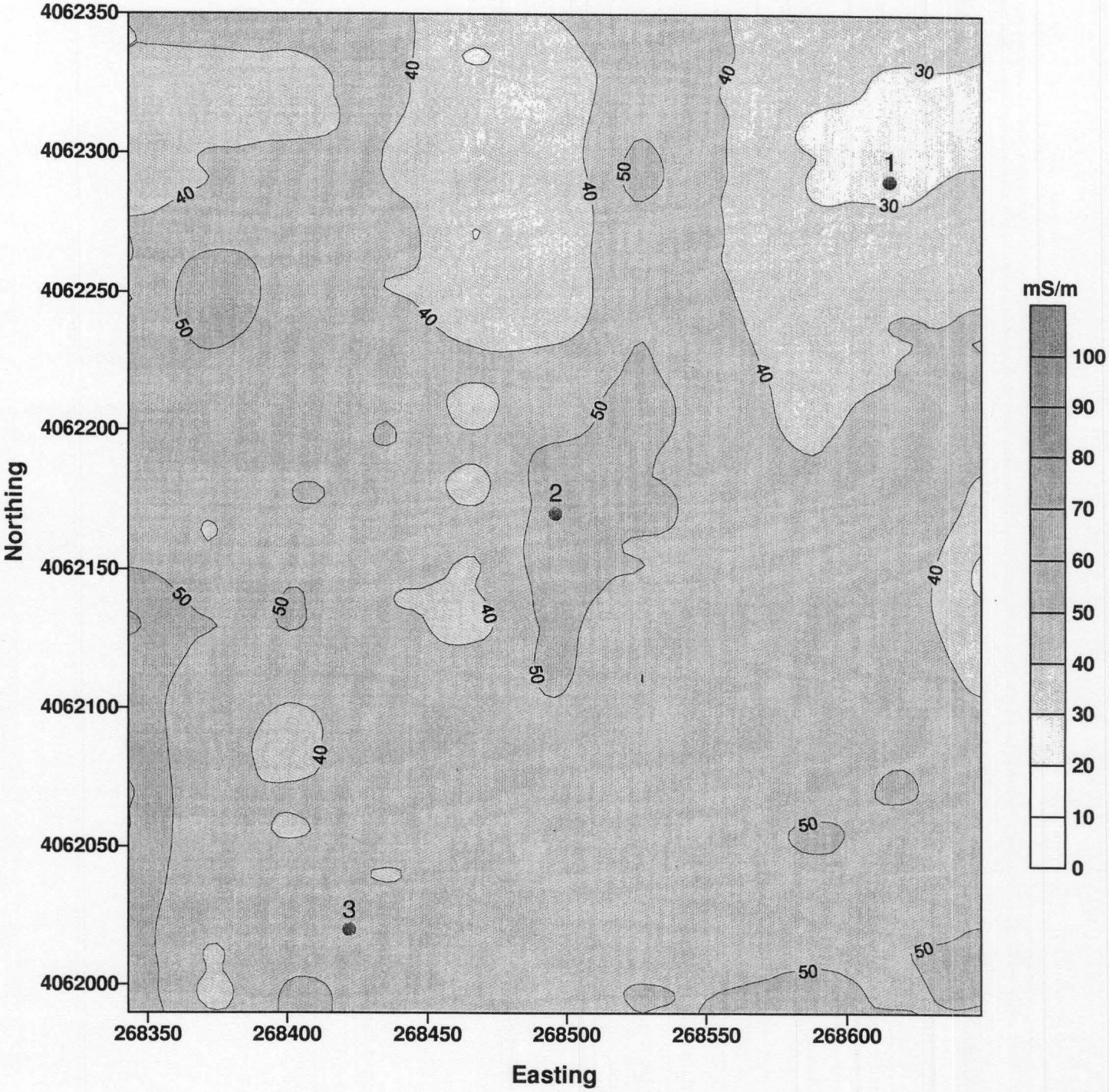


Figure 28

EMI SURVEY - Site 3
NEW MADRID COUNTY, MISSOURI
GEM300 SENSOR

9810 Hz

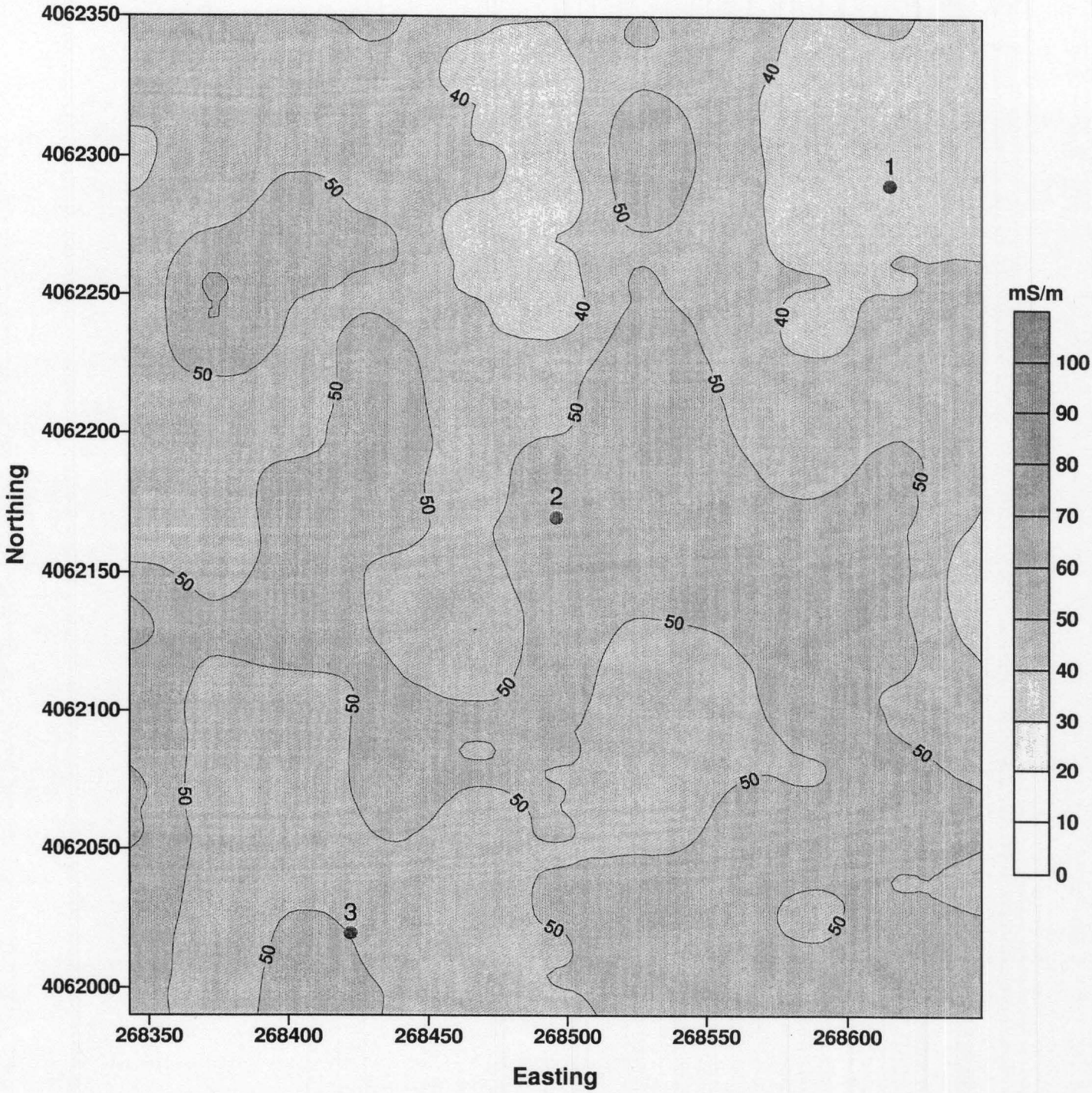


Figure 29

EMI SURVEY - Site 3
NEW MADRID COUNTY, MISSOURI
GEM300 SENSOR

14610 Hz

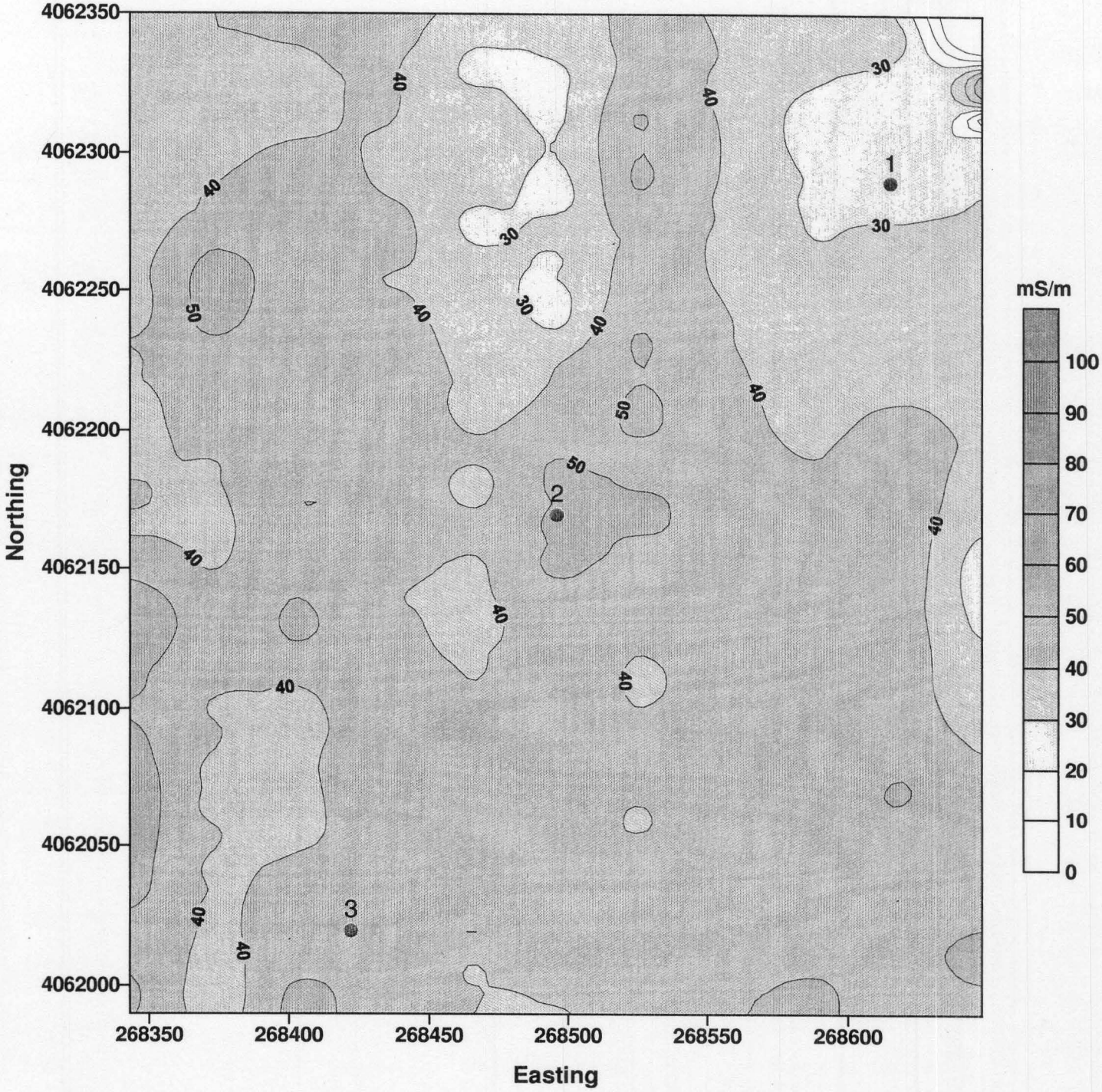


Figure 30

EMI SURVEY
NEW MADRID COUNTY, MISSOURI
EM38 METER
Location of Observation Points

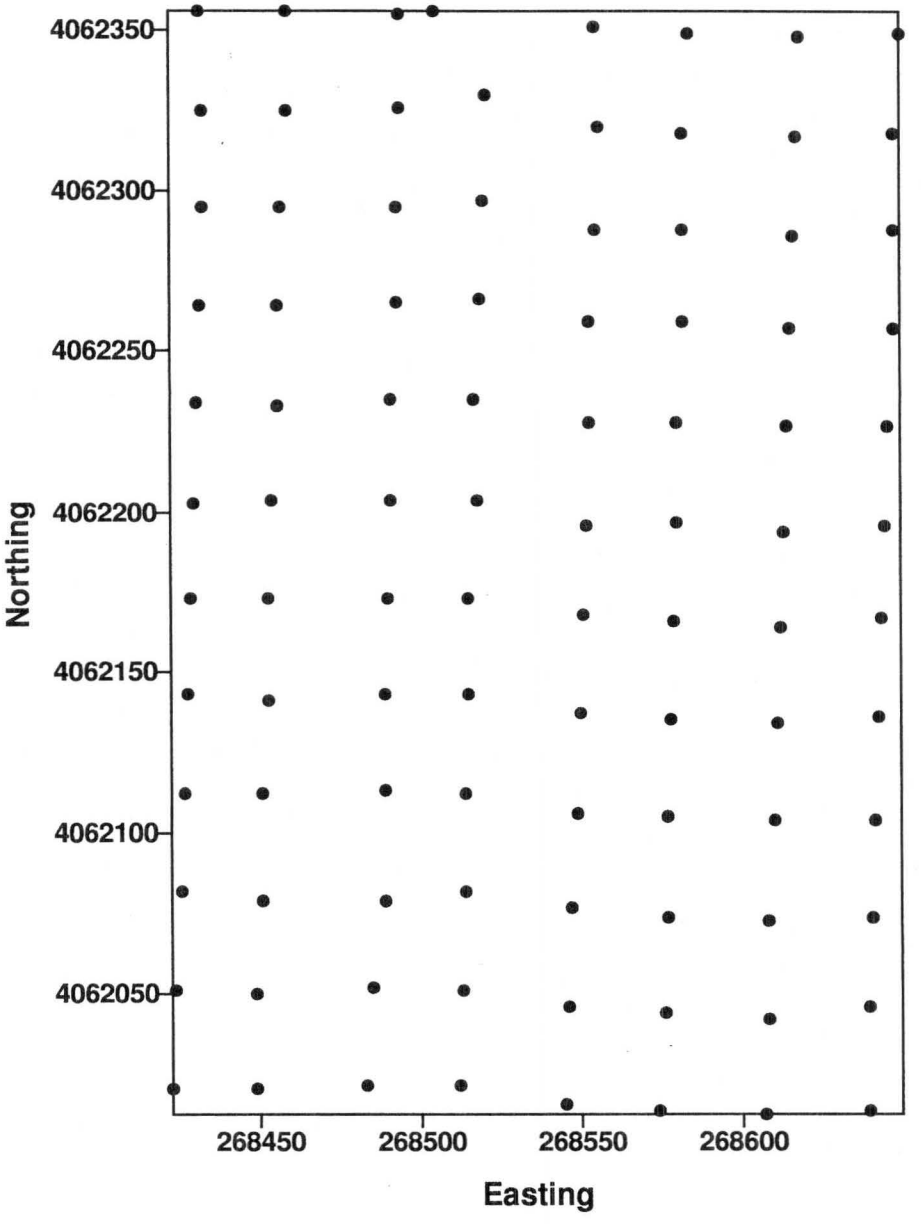


Figure 31

EMI SURVEY - Site 3
NEW MADRID COUNTY, MISSOURI
EM38 METER
Horizontal Dipole Orientation

0 - 75 cm

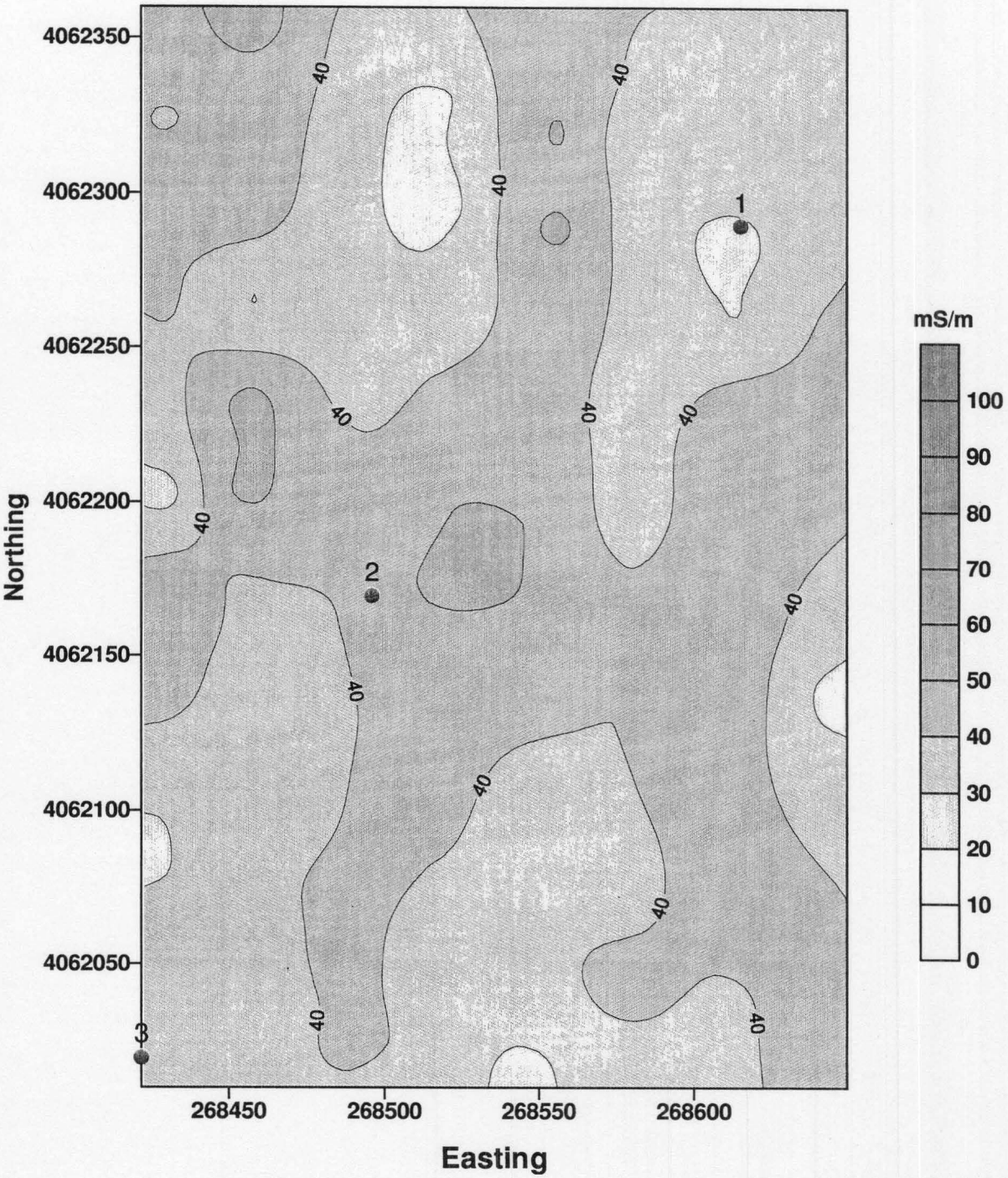


Figure 32

EMI SURVEY - Site 3
NEW MADRID COUNTY, MISSOURI
EM38 METER
Vertical Dipole Orientation

0 - 150 cm

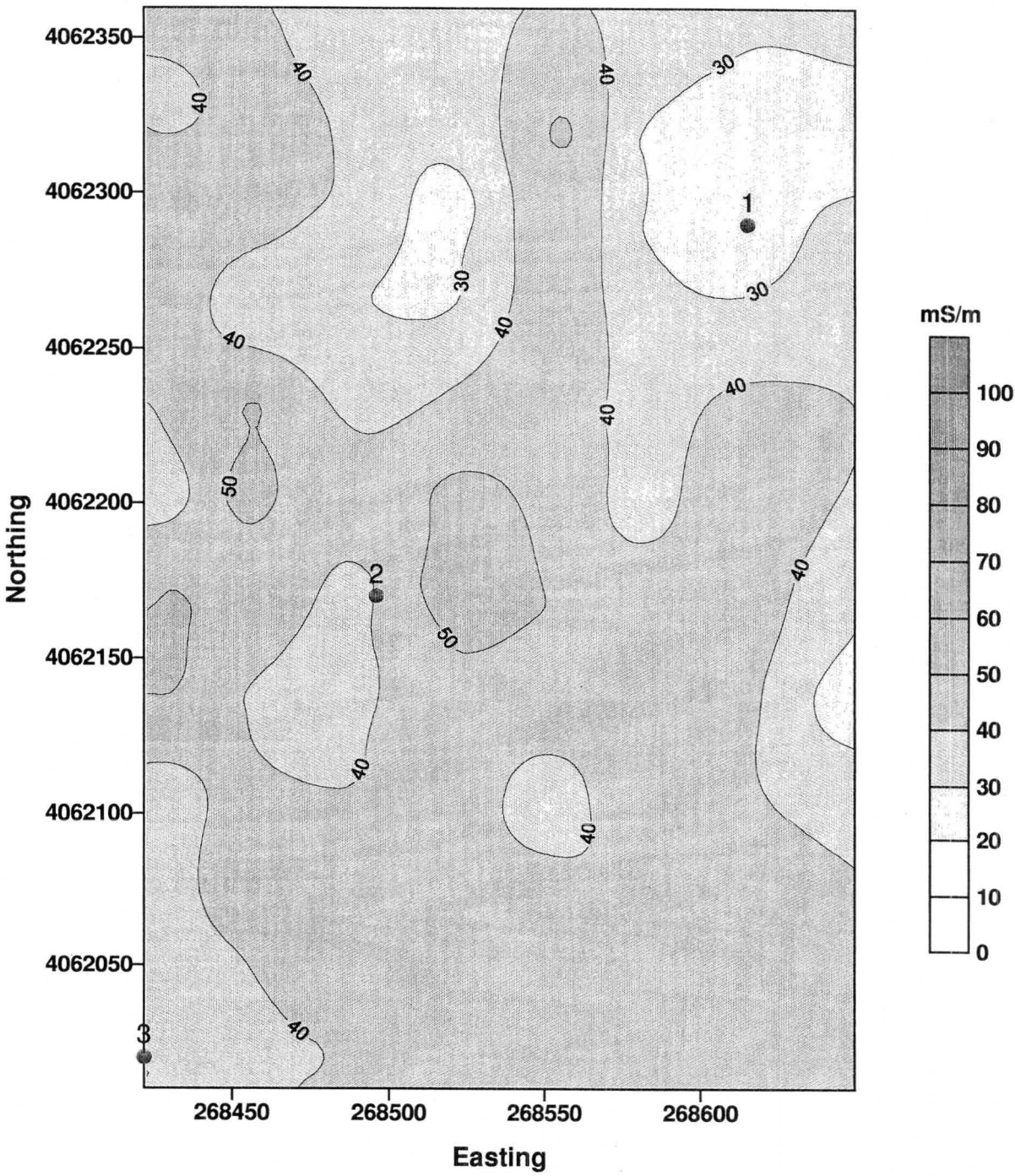


Figure 33