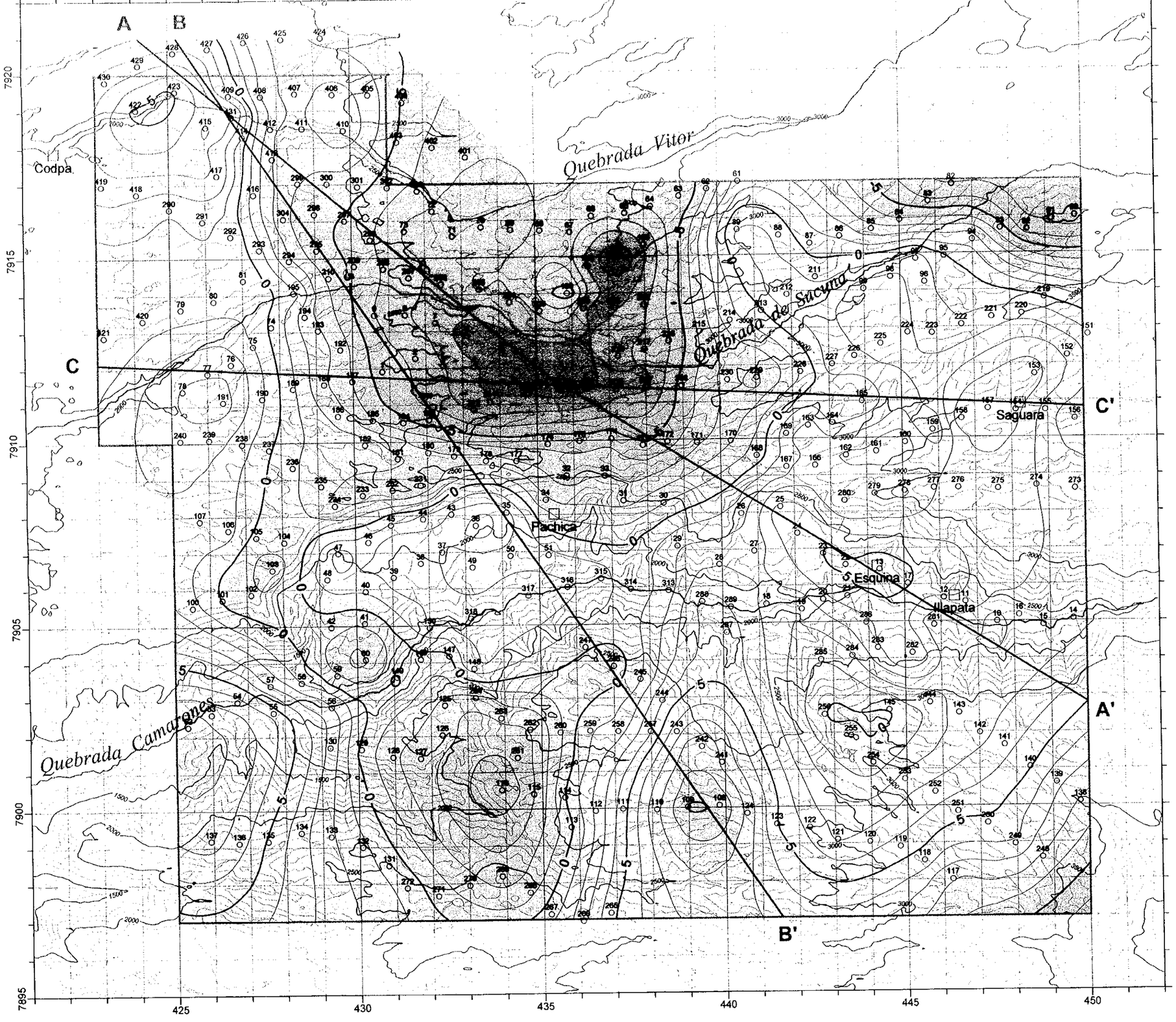


LEGEND

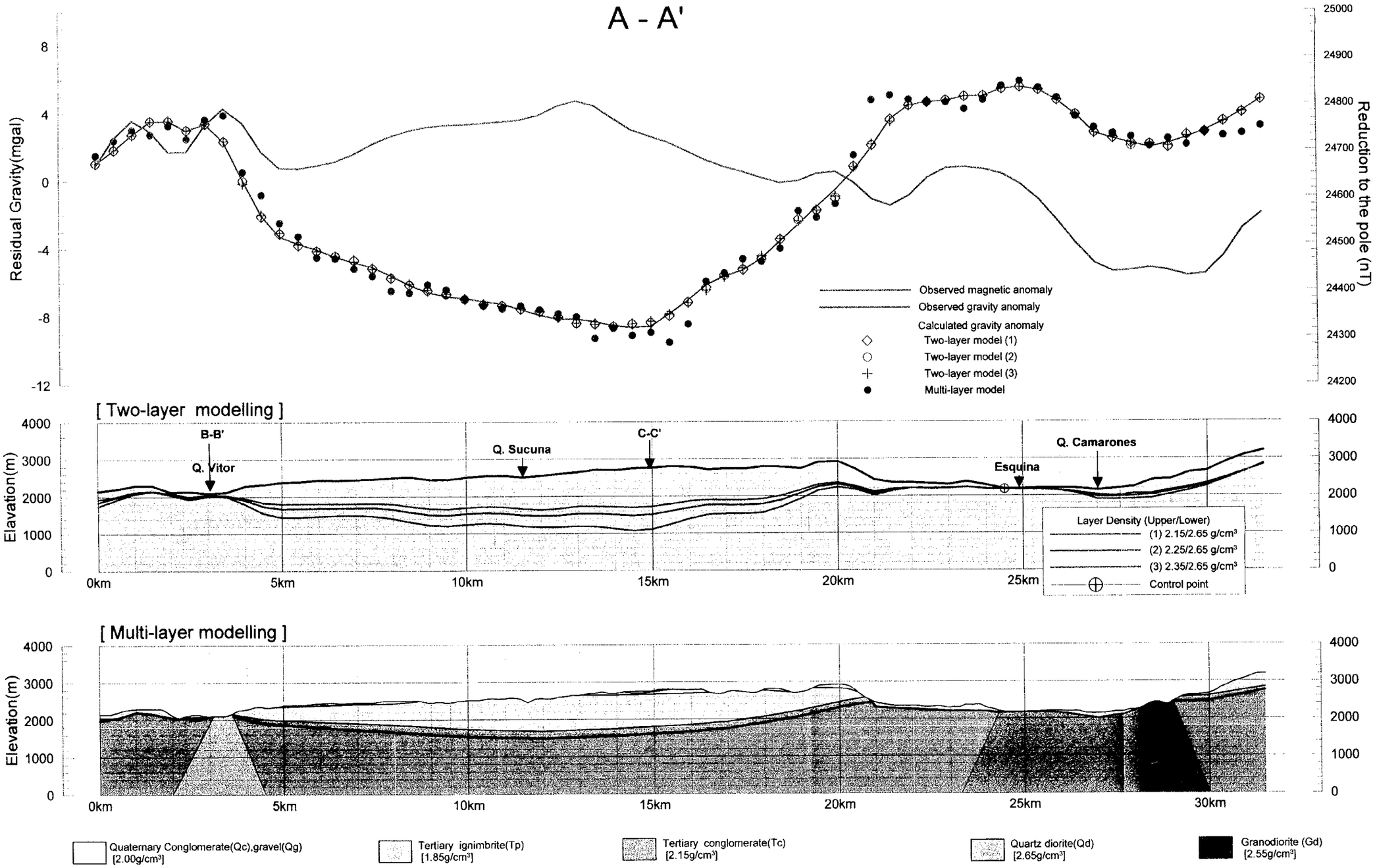
123
○ Gravity station and number

—— Section of 2D analysis

16mgal
11mgal
6mgal
1mgal
-4mgal
-9mgal
-14mgal

Plate 5
Residual Gravity Map
(F.A.G= -0.3000 mgal/m)
ρ =2.25 g/cm^3

A - A'


Residual Gravity(mgal)
8
4
0
-4
-8
-12
Reduction to the pole (nT)
25000
24900
24800
24700
24600
24500
24400
24300
24200
Observed magnetic anomaly
Observed gravity anomaly
Calculated gravity anomaly
Two-layer model (1)
Two-layer model (2)
Two-layer model (3)
Multi-layer model
[Two-layer modelling]
Elevation(m)
4000
3000
2000
1000
0
B-B'
Q. Vitor
Q. Sucuna
C-C'
Esquina
Q. Camarones
0km
5km
10km
15km
20km
25km
Layer Density (Upper/Lower)
(1) 2.15/2.65 g/cm³
(2) 2.25/2.65 g/cm³
(3) 2.35/2.65 g/cm³
Control point
[Multi-layer modelling]
Elevation(m)
4000
3000
2000
1000
0
0km
5km
10km
15km
20km
25km
30km
Quaternary Conglomerate(Qc),gravel(Qg)
[2.00g/cm³]
Tertiary ignimbrite(Tp)
[1.85g/cm³]
Tertiary conglomerate(Tc)
[2.15g/cm³]
Quartz diorite(Qd)
[2.65g/cm³]
Granodiorite (Gd)
[2.55g/cm³]
Cretaceous-Tertiary rhyolitic volcaniclastics(KT)
Diorite porphyry(Dp)

A - A'

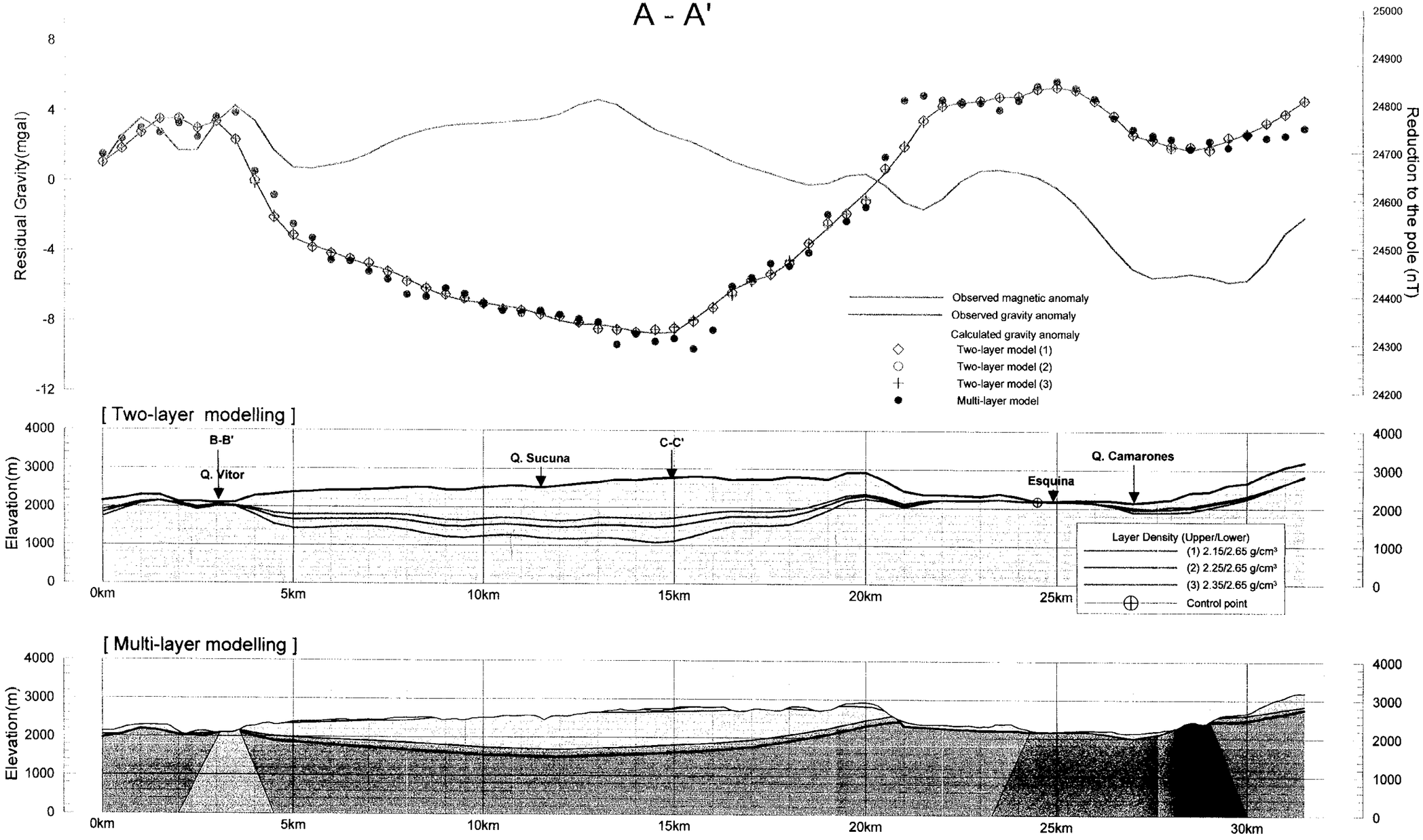
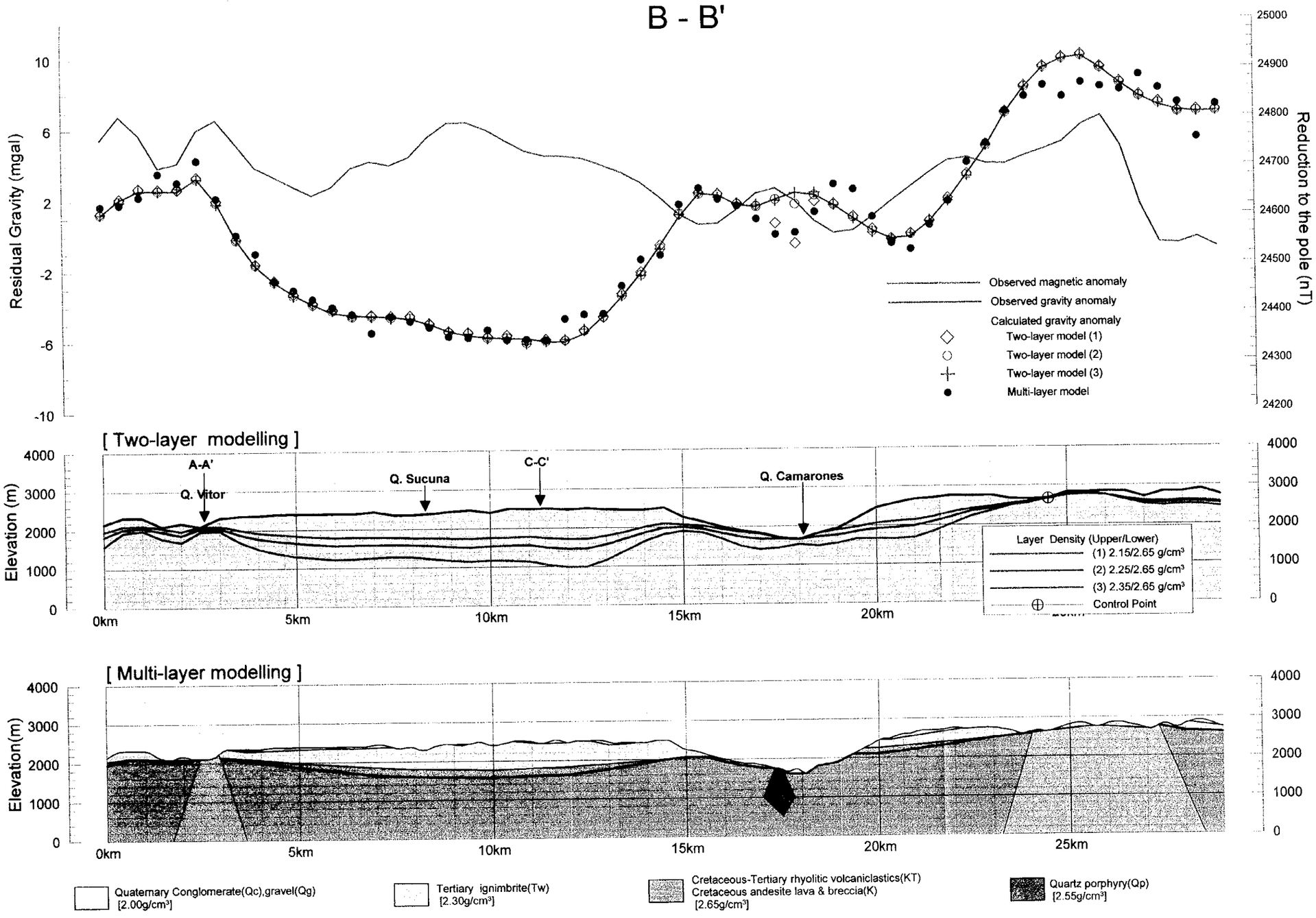


Plate 6 Gravity Analysis Profile (A-A')


B - B'
Residual Gravity (mgal)
10
6
2
-2
-6
-10
Reduction to the pole (nT)
25000
24900
24800
24700
24600
24500
24400
24300
24200
Observed magnetic anomaly
Observed gravity anomaly
Calculated gravity anomaly
Two-layer model (1)
Two-layer model (2)
Two-layer model (3)
Multi-layer model
[Two-layer modelling]
Elevation (m)
4000
3000
2000
1000
0
A-A'
Q. Vitor
Q. Sucuna
C-C'
Q. Camarones
0km
5km
10km
15km
20km
Layer Density (Upper/Lower)
(1) 2.15/2.65 g/cm³
(2) 2.25/2.65 g/cm³
(3) 2.35/2.65 g/cm³
Control Point
[Multi-layer modelling]
Elevation(m)
25km
Quaternary Conglomerate(Qc),gravel(Qg)
[2.00g/cm³]
Tertiary ignimbrite(Tw)
[2.30g/cm³]
Cretaceous-Tertiary rhyolitic volcaniclastics(KT)
Cretaceous andesite lava & breccia(K)
[2.65g/cm³]
Quartz porphyry(Qp)
[2.55g/cm³]

B - B'

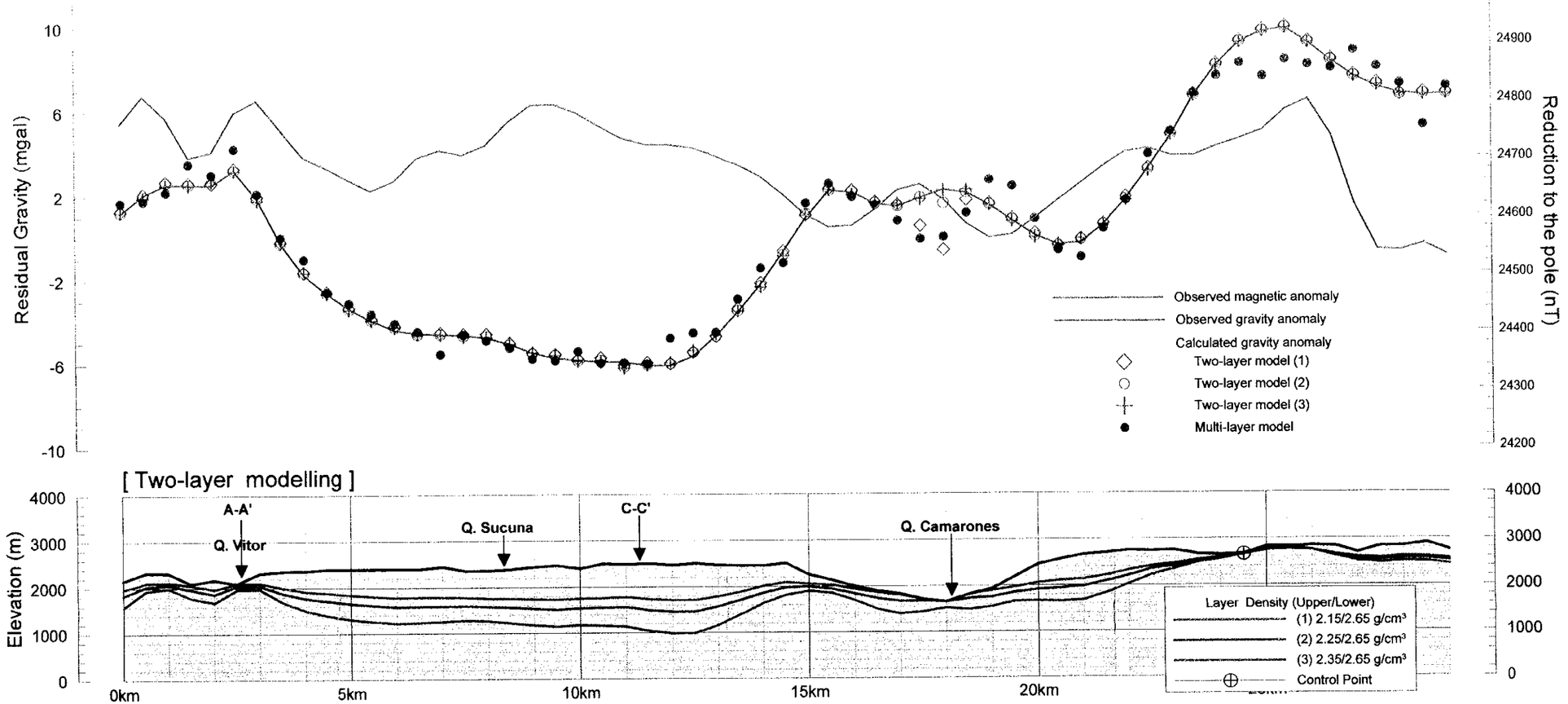
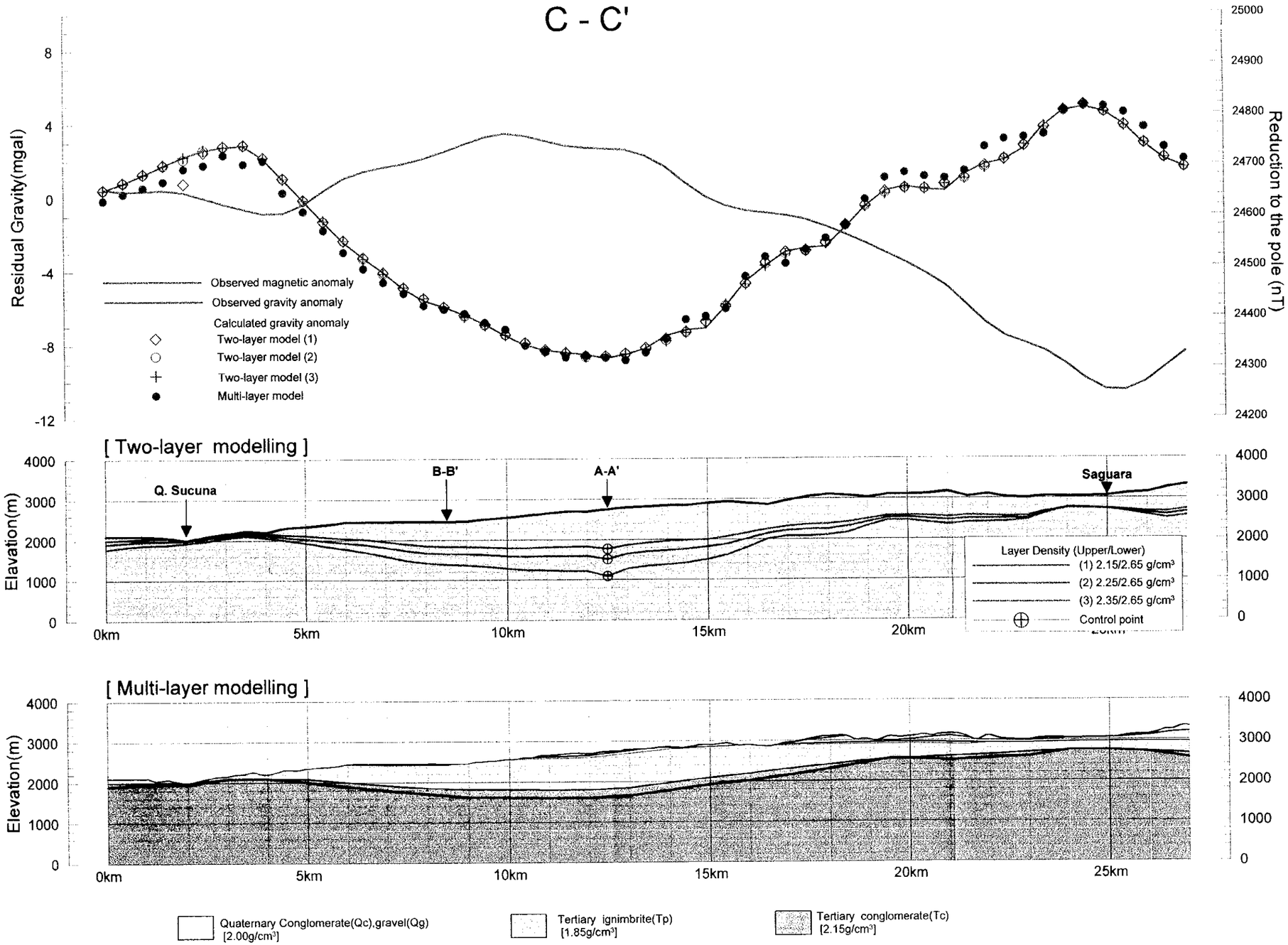
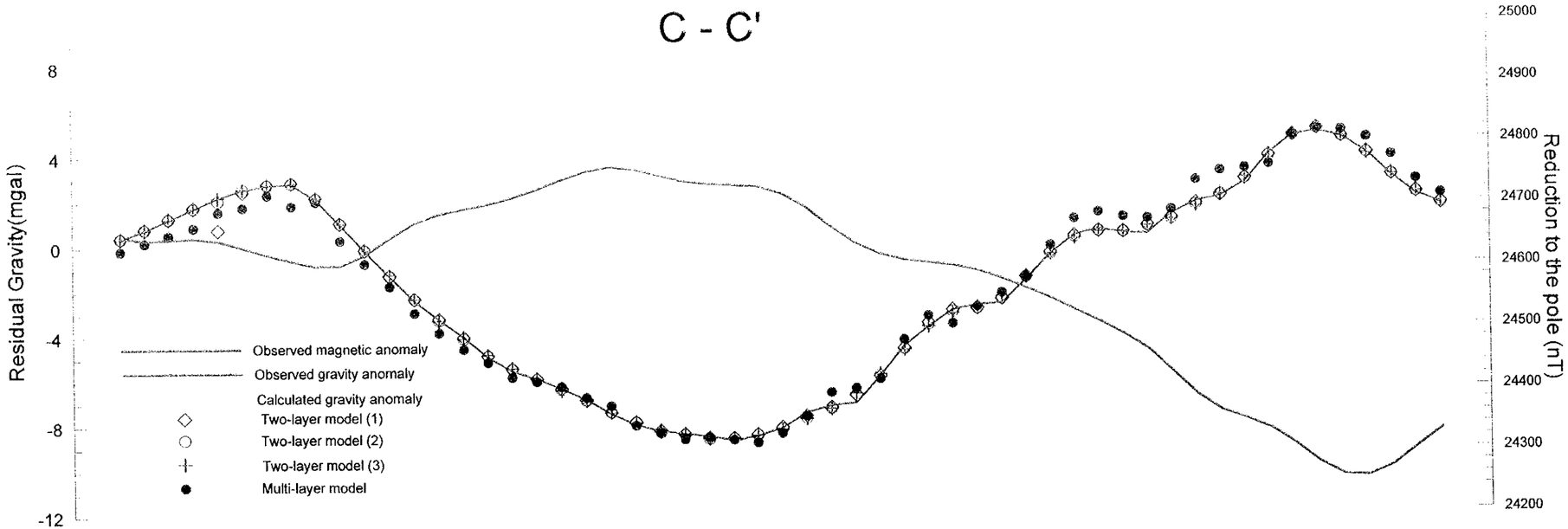
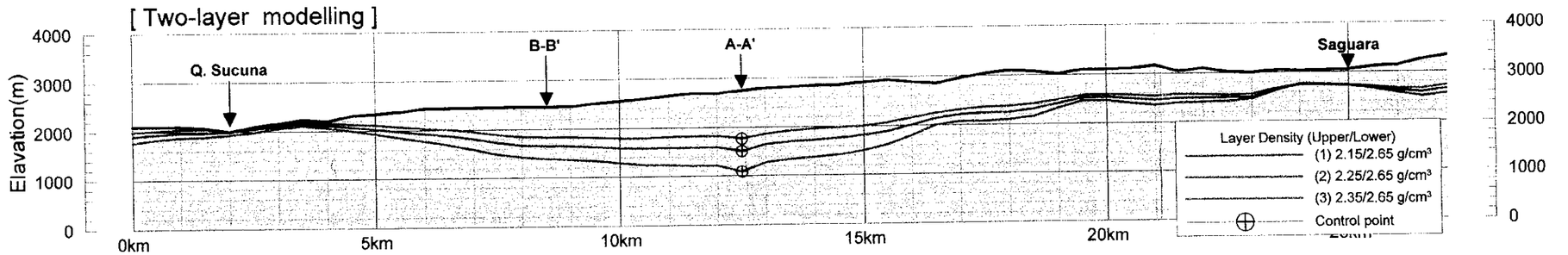


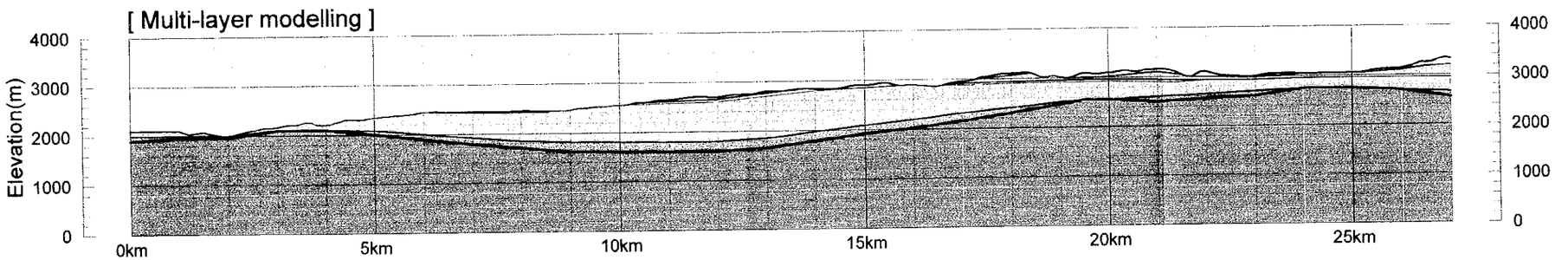
Plate 7 Gravity Analysis Profile (B-B')


C - C'
Residual Gravity(mgal)
8
4
0
-4
-8
-12
Reduction to the pole (nT)
25000
24900
24800
24700
24600
24500
24400
24300
24200
Observed magnetic anomaly
Observed gravity anomaly
Calculated gravity anomaly
Two-layer model (1)
Two-layer model (2)
Two-layer model (3)
Multi-layer model
[Two-layer modelling]
Elavation(m)
4000
3000
2000
1000
0
Q. Sucuna
B-B'
A-A'
Saguara
0km
5km
10km
15km
20km
Layer Density (Upper/Lower)
(1) 2.15/2.65 g/cm³
(2) 2.25/2.65 g/cm³
(3) 2.35/2.65 g/cm³
Control point
[Multi-layer modelling]
Elevation(m)
4000
3000
2000
1000
0
0km
5km
10km
15km
20km
25km
Quaternary Conglomerate(Qc),gravel(Qg)
[2.00g/cm³]
Tertiary ignimbrite(Tp)
[1.85g/cm³]
Tertiary conglomerate(Tc)
[2.15g/cm³]
Cretaceous-Tertiary rhyolitic volcaniclastics(KT)

C - C'







Quaternary Conglomerate(Qc),gravel(Qg) [2.00g/cm³]

Quaternary andesite-basalt(Qi) [2.60g/cm³]

Tertiary ignimbrite(Tp) [1.85g/cm³]

Tertiary ignimbrite(Tw) [2.30g/cm³]

Tertiary conglomerate(Tc) [2.15g/cm³]

Cretaceous-Tertiary rhyolitic volcaniclastics(KT)
Cretaceous andesite lava & breccia(K)
[2.65g/cm³]

Plate 8 Gravity Analysis

425 430 435 440 445 450

7920 7915 7910 7905 7900

Codpa

Quebrada Vitor

Quebrada de Sucuna

Quebrada Camarones

Saguara

Pachica

Ilapata

CM-1 CM-2 CM-3 CM-4 CM-5

CC-1,2

H L

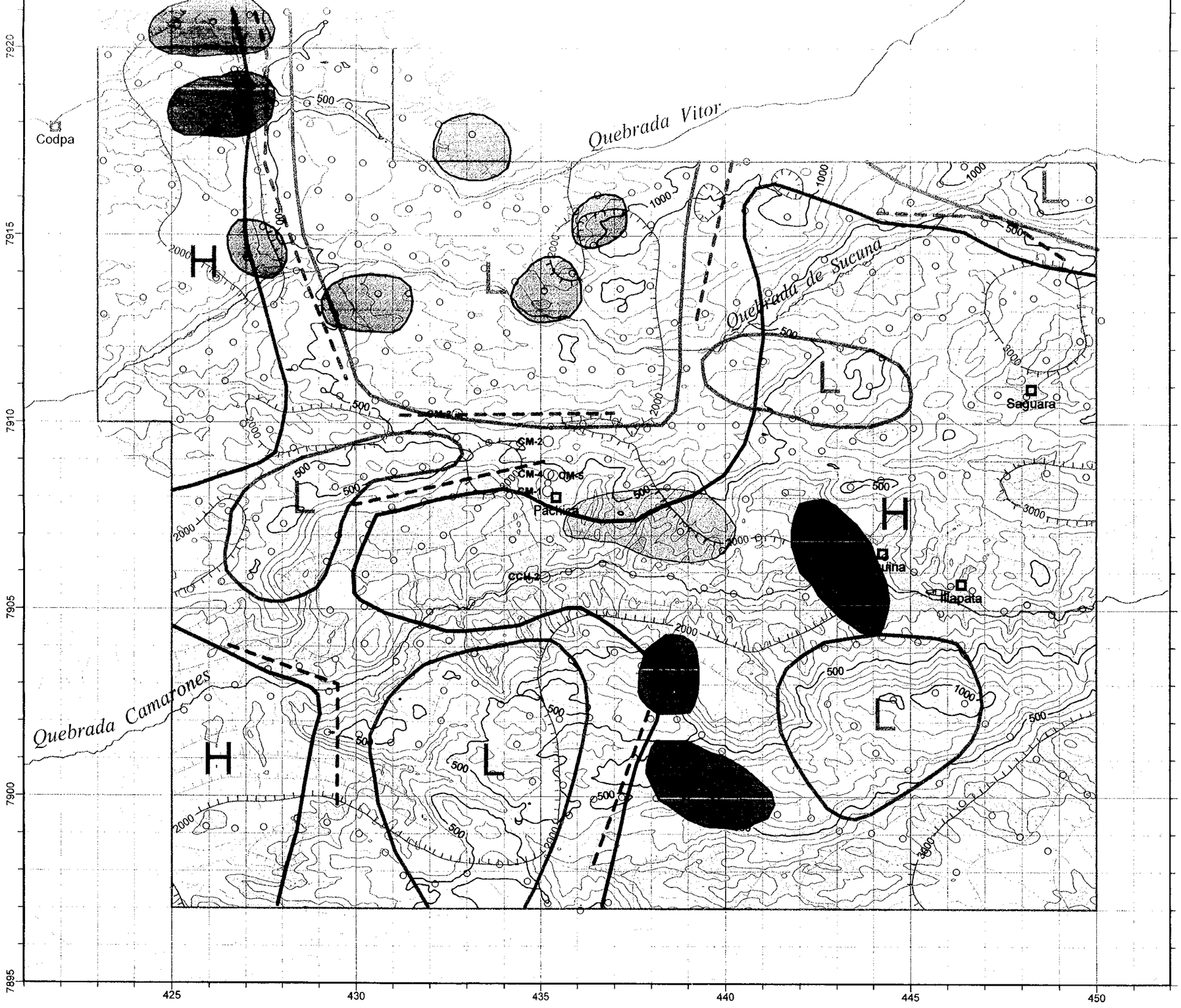
500 1000 2000 3000

LEGEND

- Gravity high
- Gravity low
- High gravity gradient zone
- Local magnetic high correspond to local gravity high
- Local magnetic high correspond to local gravity low
- Local magnetic high
- Existing drill hole
- Gravity station
- Topography of basement

Thickness of upper layer

- 1,400m
- 1,200m
- 1,000m
- 900m
- 800m
- 700m
- 600m
- 500m
- 400m
- 300m
- 200m
- 100m



LEGEND

- Gravity high
- Gravity low
- High gravity gradient zone
- Local magnetic high correspond to local gravity high
- Local magnetic high correspond to local gravity low
- Local magnetic high
- Existing drill hole
- Gravity station
- Topography of basement

Thickness of upper layer

- 1,400m
- 1,200m
- 1,000m
- 900m
- 800m
- 700m
- 600m
- 500m
- 400m
- 300m
- 200m
- 100m

Plate 9
Gravity Interpretation Map