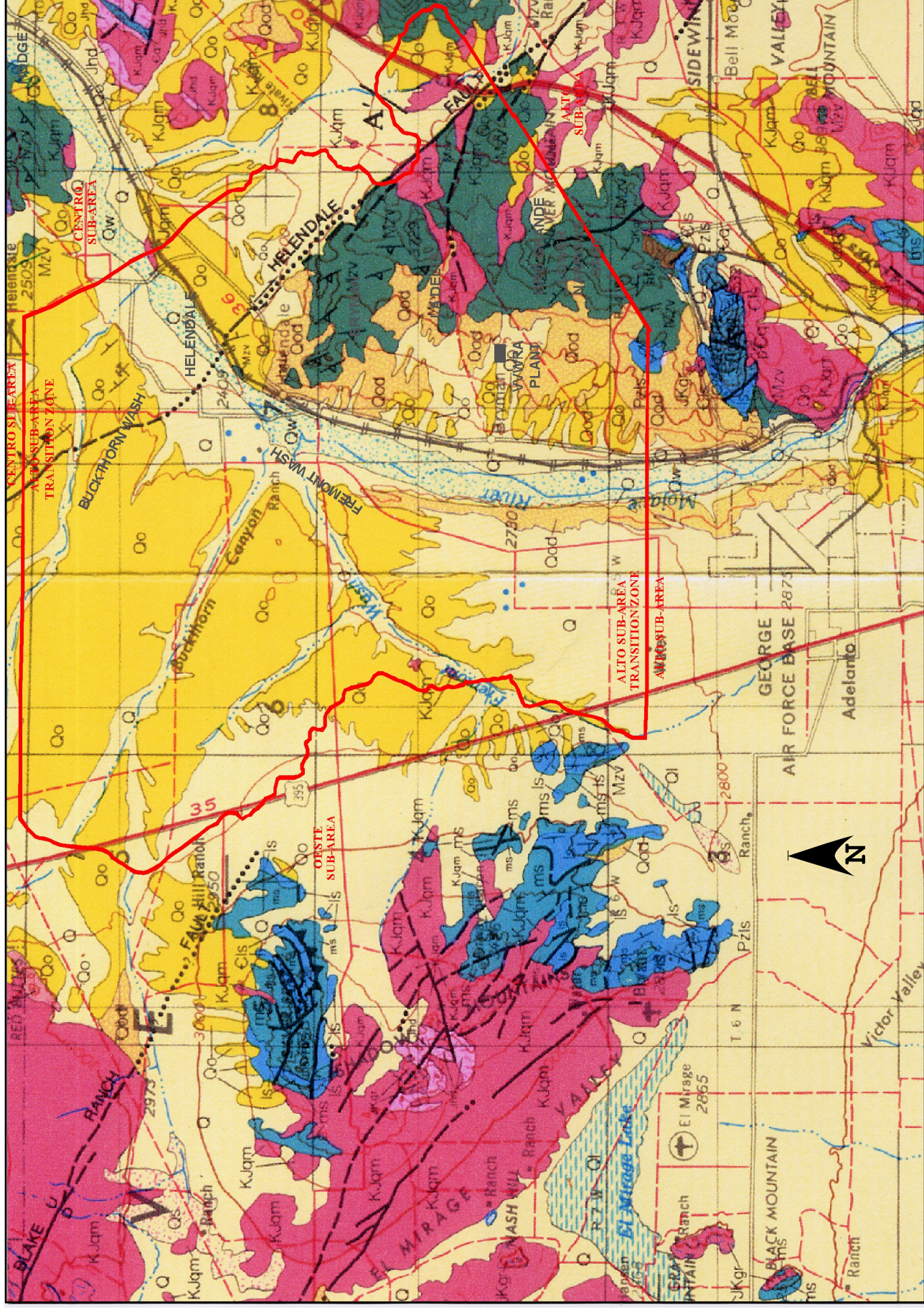


Figure 1 Generalized Geological Map of the Mojave Transition Zone



LEGEND

- Dominant Lithologies**
- Cretaceous or Jurassic Quartz Monzonite
 - Mesozoic Metavolcanic Rocks
 - Miocene Sandstone
 - Well Dissected Alluvial Fans
 - Older Alluvium
 - Alluvium

Modified From: California Division of Mines and Geology, 1986, Geologic Map of California, San Bernardino Sheet, 1:250,000.

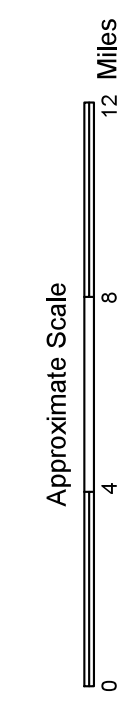
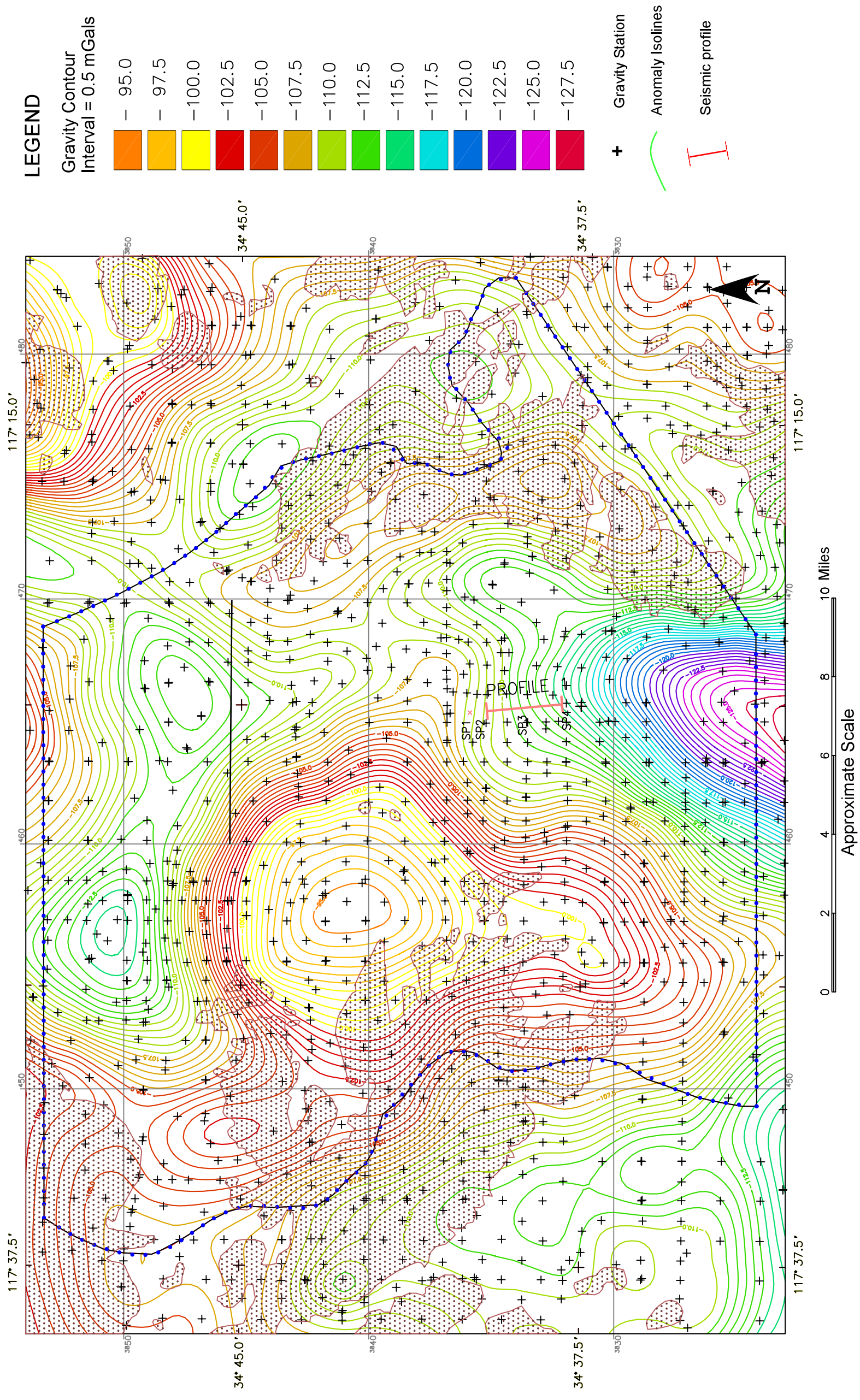


Figure 2

Complete Bouguer Anomaly Map



LEGEND

Gravity Contour
Interval = 0.5 mGals

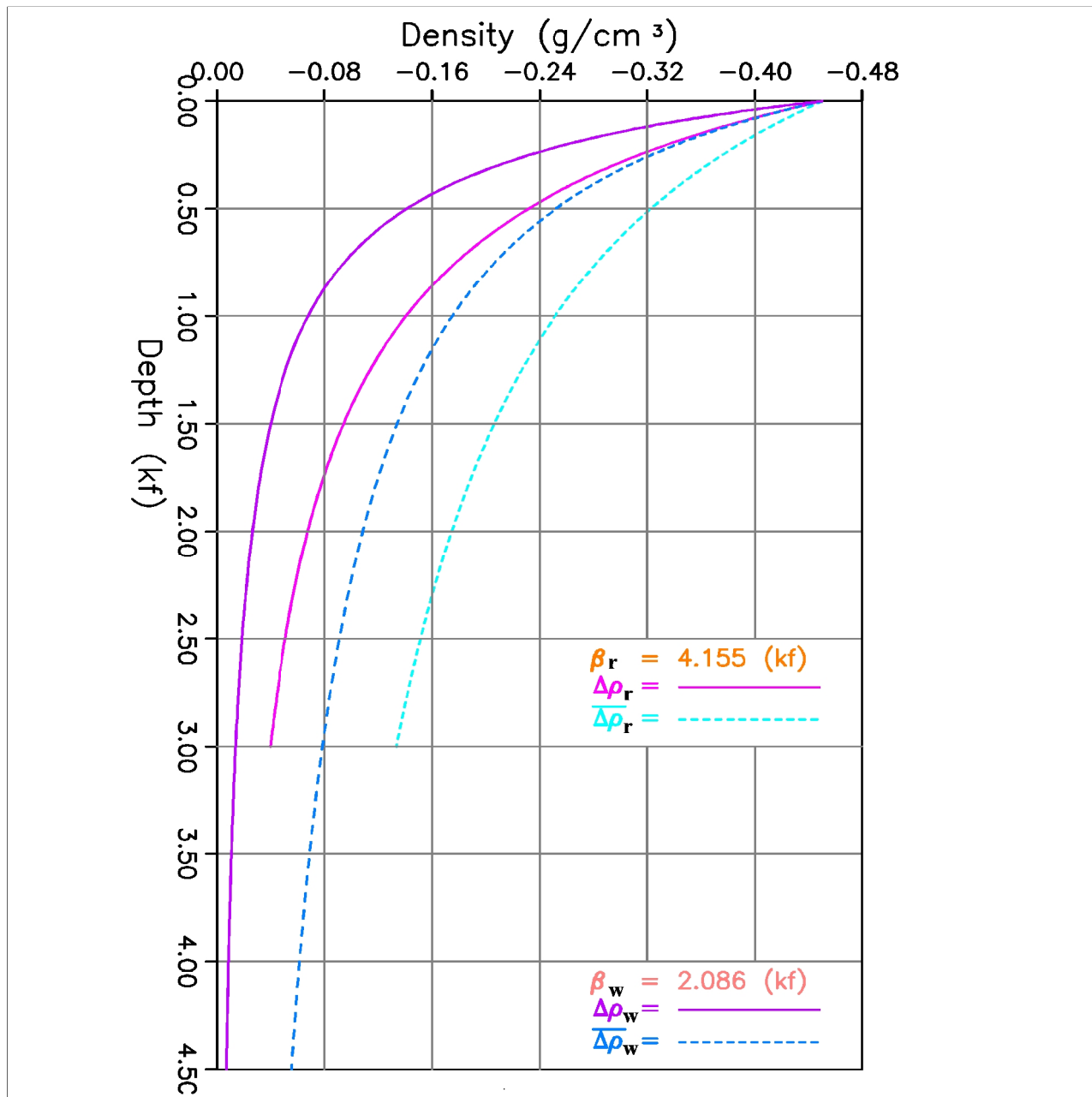
- 95.0
- 97.5
- 100.0
- 102.5
- 105.0
- 107.5
- 110.0
- 112.5
- 115.0
- 117.5
- 120.0
- 122.5
- 125.0
- 127.5

- Gravity Station
- Anomaly Isolines
- Seismic profile

0 2 4 6 8 10 Miles
Approximate Scale

Figure 3

Density-Depth Functions



$$\Delta\rho = \Delta\rho_0 \beta (h + \beta)^{-1}$$

$$\overline{\Delta\rho} = \Delta\rho \beta (H + \beta)$$

where:

$\Delta\rho_0$ = density contrast at the surface.

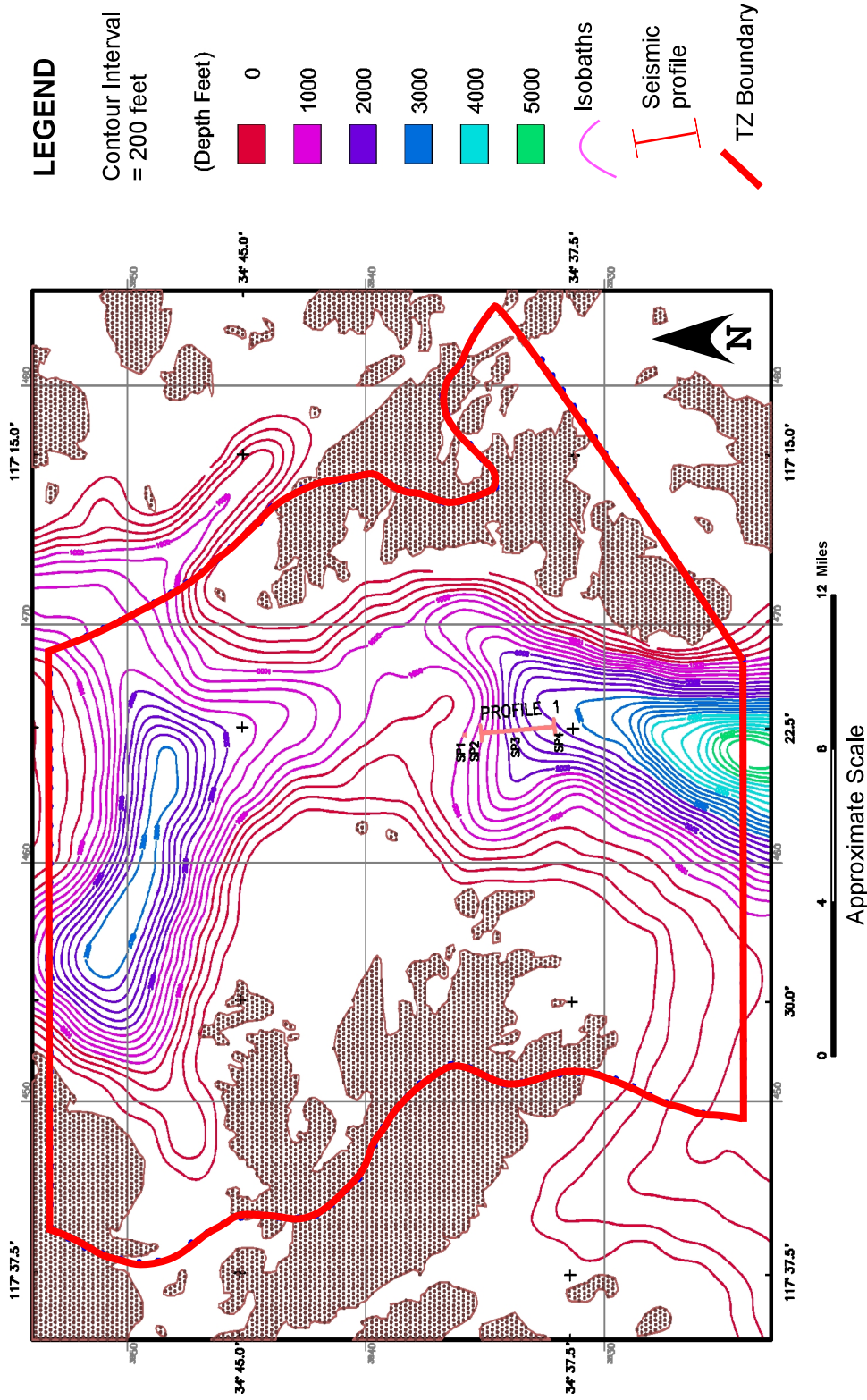
$\Delta\rho$ = density contrast at depth h.

$\overline{\Delta\rho}$ = effective density contrast at h.

β = decrement of density contrast with depth.

H = total depth of the basin.

Figure 4 Composite Basement Depth Contour Map



LEGEND

Contour Interval
= 200 feet

(Depth Feet)

- 0
- 1000
- 2000
- 3000
- 4000
- 5000

Isobaths

Seismic profile

TZ Boundary

Figure 5 Average Topography, 500 Meter Grid

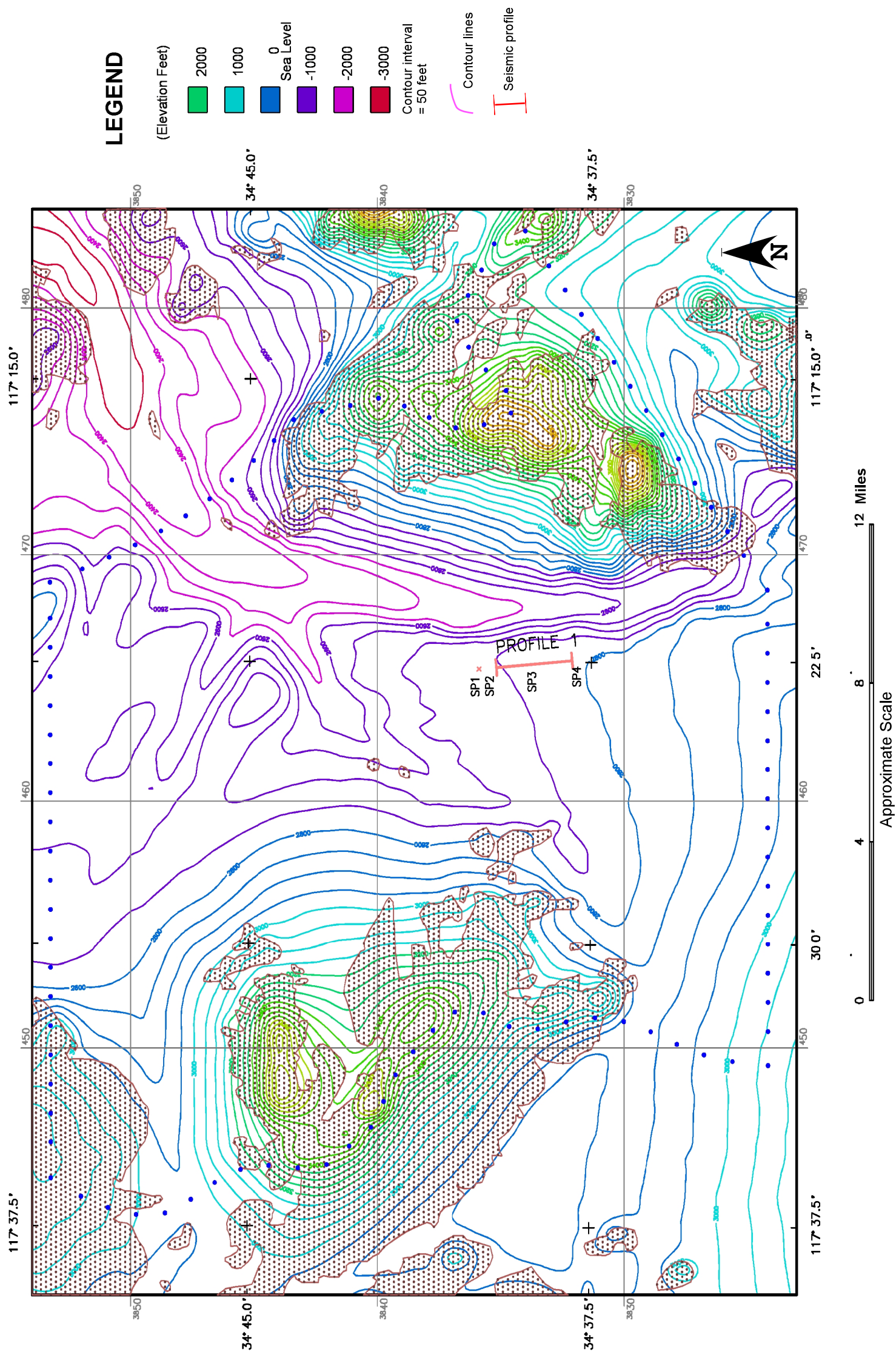
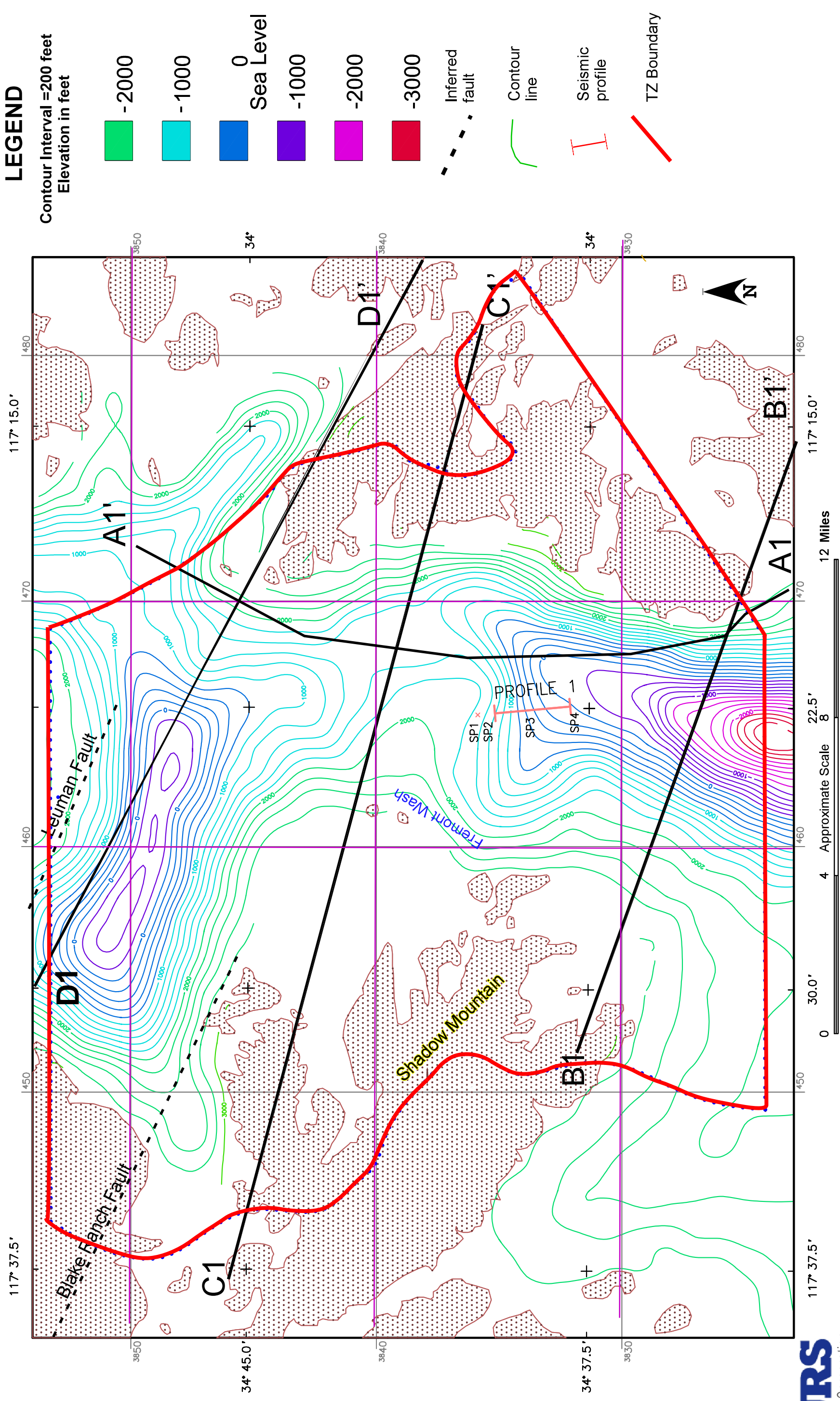


Figure 6

Basement Elevation Contour Map

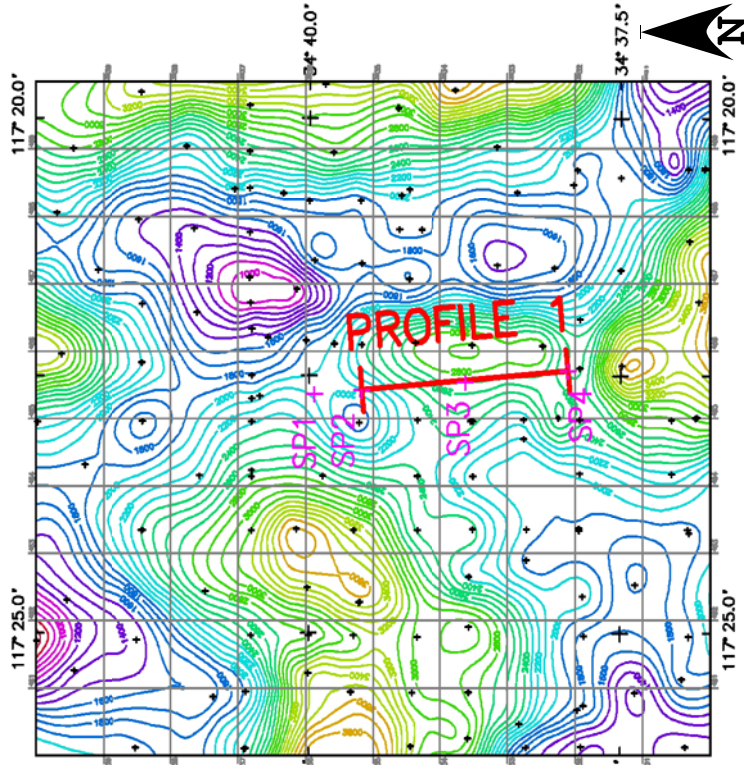


LEGEND

- Contour Interval = 200 feet
Elevation in feet
- 2000
 - 1000
 - Sea Level 0
 - 1000
 - 2000
 - 3000
 - Inferred fault
 - Contour line
 - Seismic profile
 - TZ Boundary

Figure 7

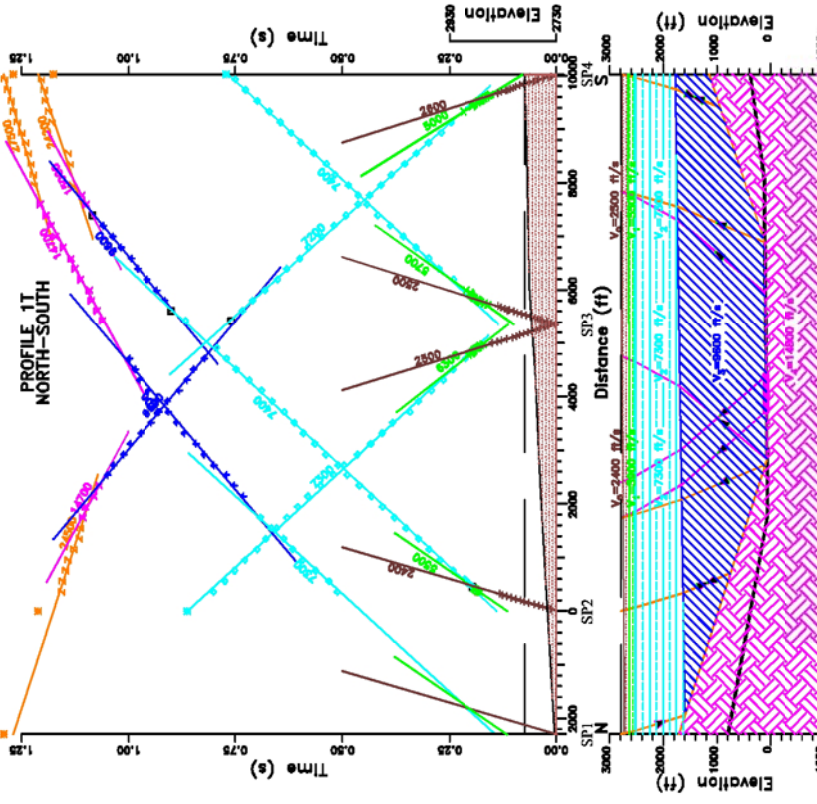
Detailed Composite Basement Depth Map



- Approximate Scale
- Contour Interval = 100 feet
- + Gravity Station
- Contour lines
- Seismic Profile Line

Figure 8

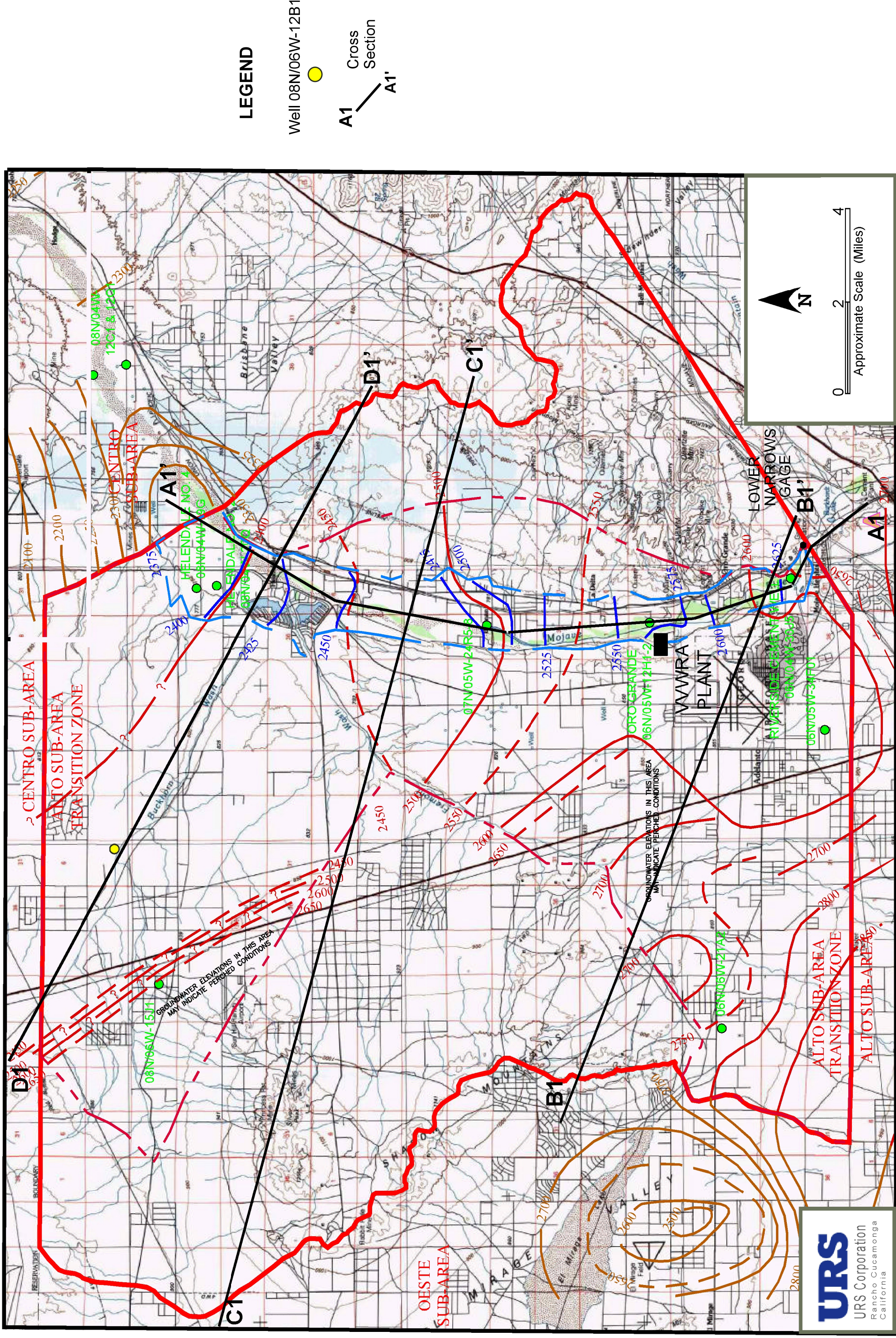
Seismic Refraction Profile



Time-distance plot and ray traced model for seismic refraction Profile 1, Helendale Road. Datum for elevation correction shown by dashed line. Shot point locations marked by SP. Bold black lines = gravity depths.

Figure 9

Location of Cross-sections and 1998 Groundwater Elevation Contour Map



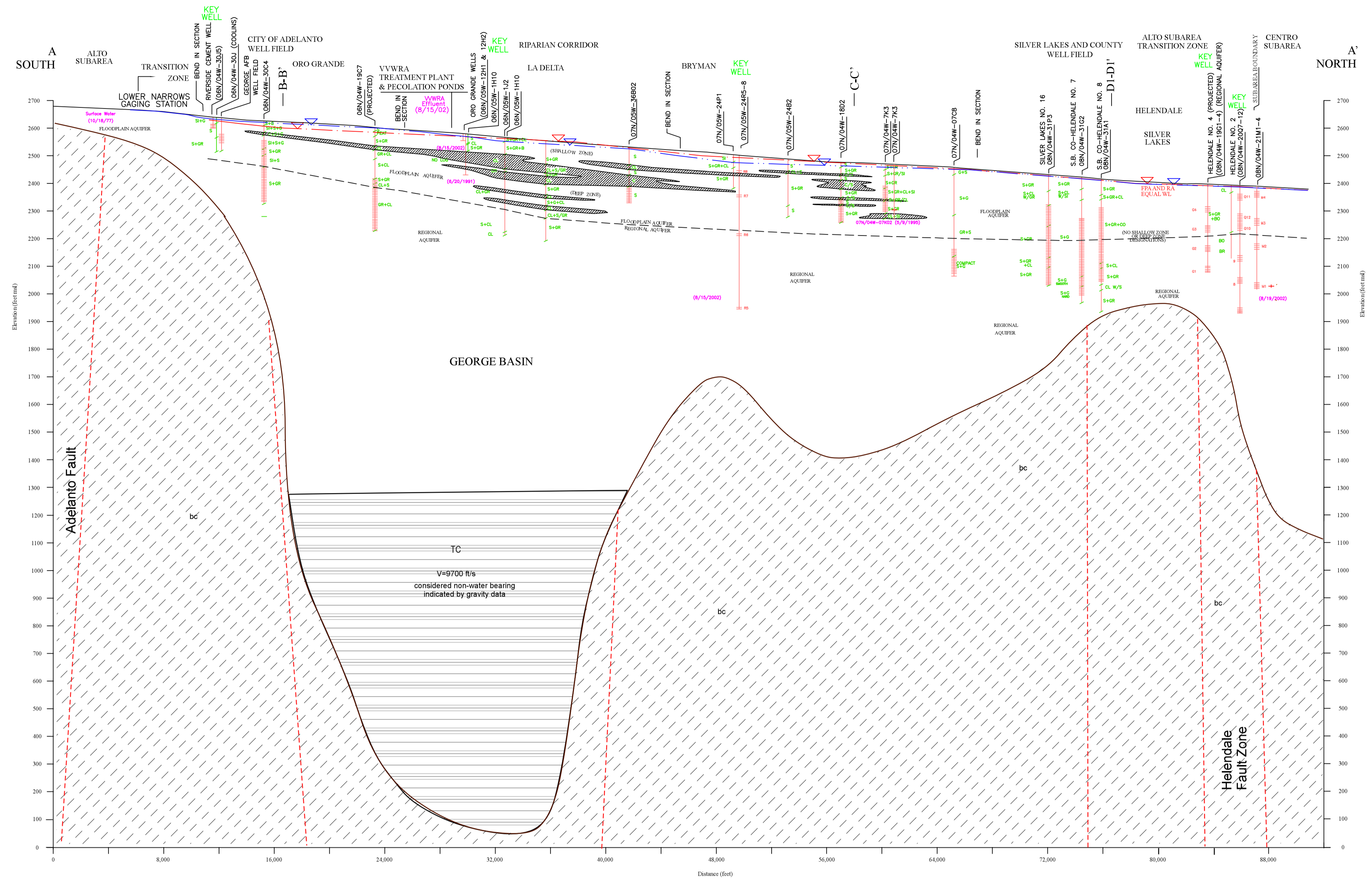


Figure 10
HYDROGEOLOGIC
CROSS SECTION A1-A1'

EXPLANATION

BOUNDARY

WATER-BEARING UNITS

UNSATURATED ZONE

CONTOUR

WELL

FAULT

INFERRED FAULT

URS

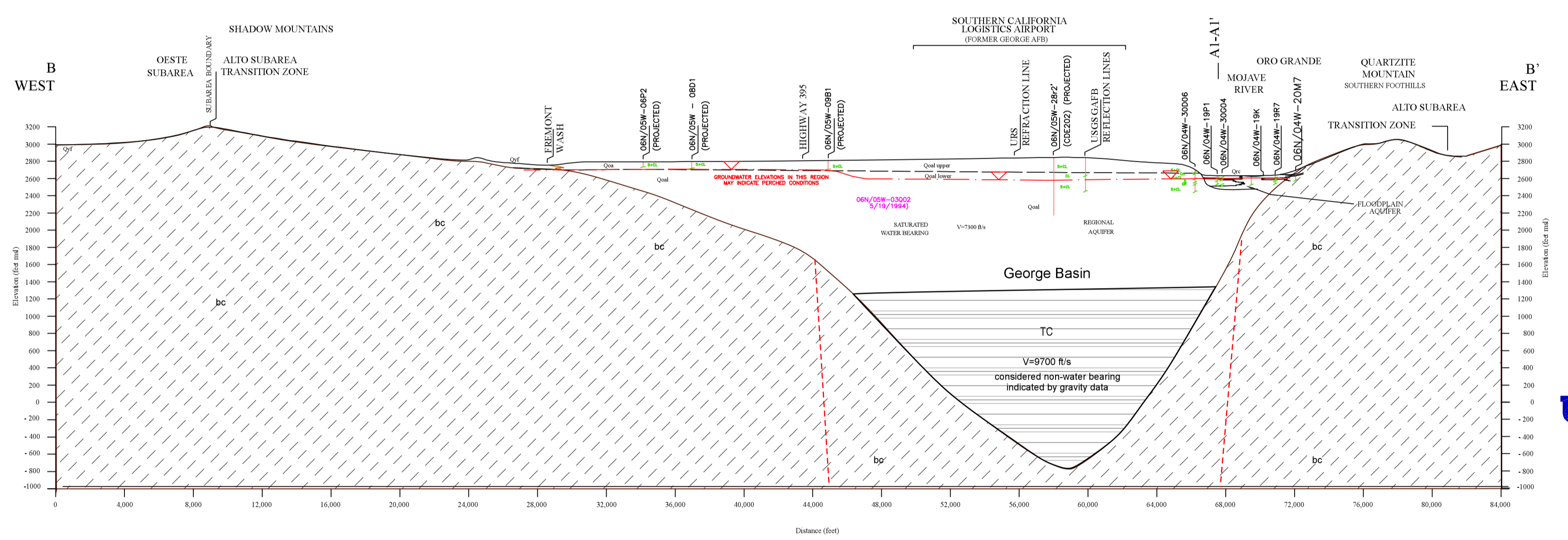


Figure 11
HYDROGEOLOGIC
CROSS SECTION B1-B1'

EXPLANATION

BOUNDARY

WATER-BEARING UNITS

UNSATURATED ZONE

CONTOUR

WELL

FAULT

INFERRED FAULT

URS

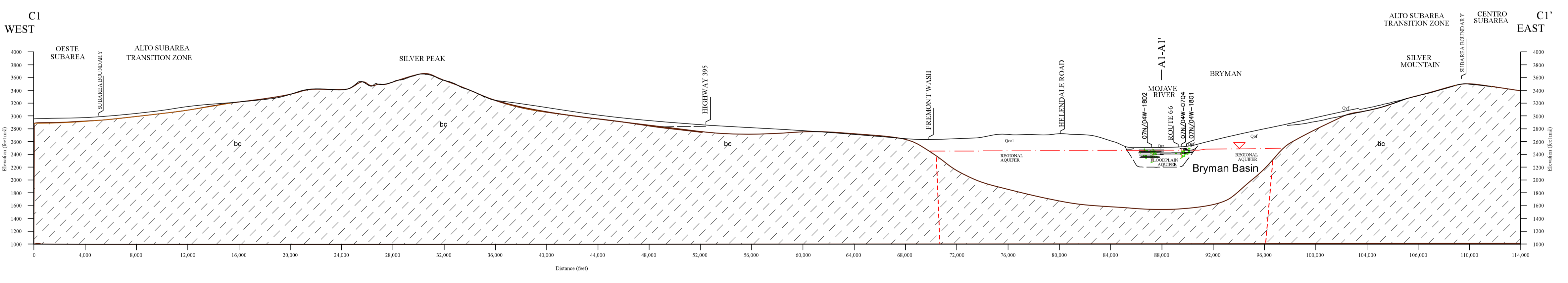


Figure 12
HYDROGEOLOGIC
CROSS SECTION C1-C1'

EXPLANATION

BOUNDARY

WATER-BEARING UNITS

UNSATURATED ZONE

CONTOUR

WELL

FAULT

INFERRED FAULT

URS

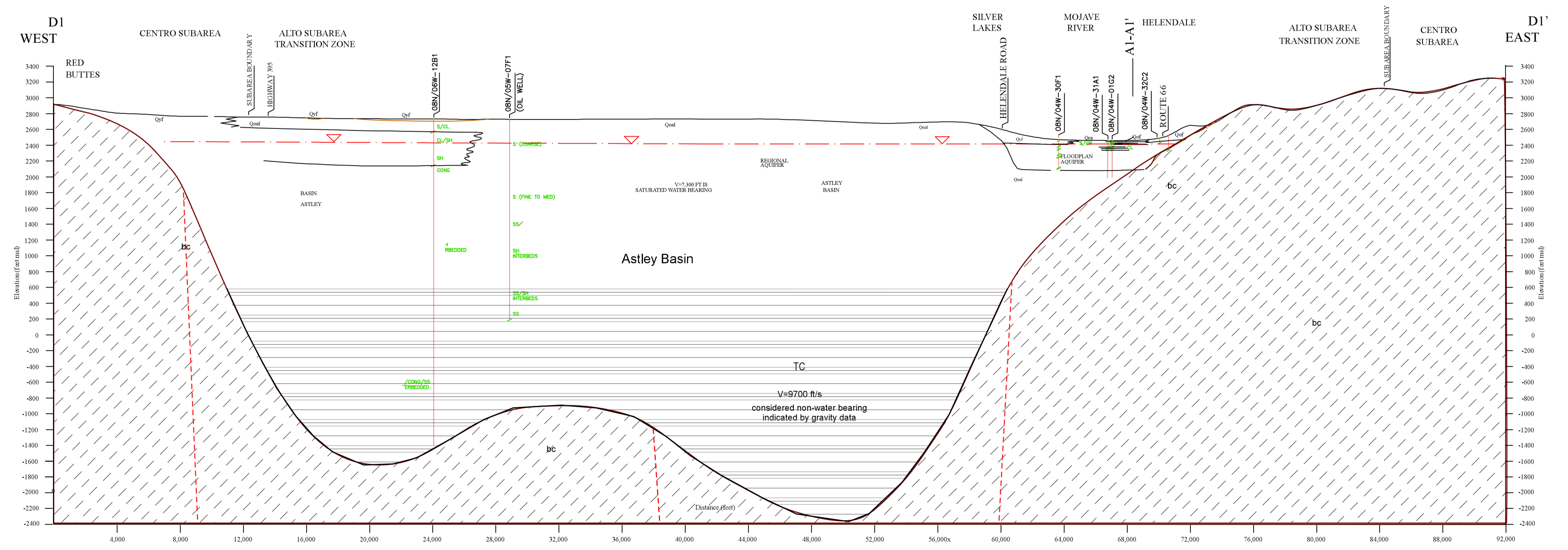


Figure 13
HYDROGEOLOGIC
CROSS SECTION D1-D1'

EXPLANATION

BOUNDARY

WATER-BEARING UNITS

UNSATURATED ZONE

CONTOUR

WELL

FAULT

INFERRED FAULT

URS

