

1 cm = 4  $\mu$  galileos

Gravity profile measured

REGIONAL (obtained from zero level differences of horizontal gradient)

1 cm = 4  $\mu$  galileos

Gravity profile with regional removed

ZERO  
ZERO

HORIZONTAL GRADIENT

ZERO  
ZERO

diff=Regional linear gradient

1 cm = .02  $\mu$  galileos m<sup>-1</sup>

+ .02

ZERO

-.02

-.04

$\mu$  galileos m<sup>-1</sup>

VERTICAL GRADIENT

ZERO

NOTE: Dotted lines represent computed response of model below

13500E

14000E

14500E

ZERO  
-50  
-100  
-150  
Elevation in metres

Surface

Overburden Density 2.0 gm/cc

Mine Series  
Density = 2.8 gm/cc

dip

Quartzite  
Density = 2.72 gm/cc

Granite  
Density = 2.65 gm/cc

THEORETICAL GRAVITY MODEL

1 cm = 50 metres  
1 cm = 4  $\mu$  galileos  
1 cm = .02  $\mu$  galileos/metre

Geological Control from drilling  
MS / G MS - Mine Series  
G - Granite

5 cm

0374-1874

GEOPEKO LTD.  
Geophysical Surveys.

Plan No 11

Instrument	—	Datum	—	Hor Scale	1cm to 50m	AREA.	King Island
Observer	—	Base Peg	—	Vert. Scale	as shown	PROSPECT.	GRASSY GRANITE AREA
Scale Fact.	—	Date	August '76	Cont. Int.	—	PLAN SHOWS	Gravity Interpretation Section 563000N