

LNE 6+00 N
Pole-Dipole Array

Instrument: MVS 4.0 Kw Tx, MVS 6 Rx.
 Frequency: 0.225 Hz.
 Orientation: A-W, B-N.

Logarithm: 1, 1.5, 2, 3, 5, 7.5, 10, ...
 Contours

INTERPRETATION

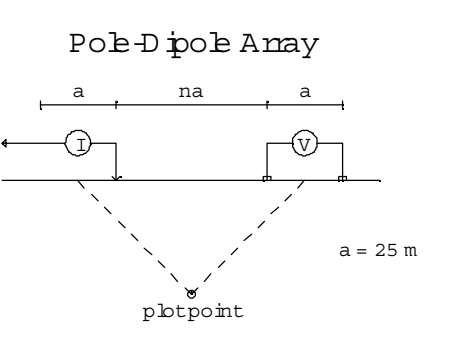
- Wedge-shaped, steeper increase in pole-dipole in low resistivity area
- Fully wedge-shaped in medium resistivity area
- Fully wedge-shaped in high resistivity area

Resistivity Scale

Scale 1:2000

SULTAN MINERALS INC.
 INDUCED POLARIZATION SURVEY
 PETER E. W. ALCOTT & ASSOCIATES LIMITED

6+00 N



Instrument: 2b VD 4.0 Kw Tx, 2b P6 Rx.
Frequency: 0.125 Hz.
Operator: A.M. N.W.

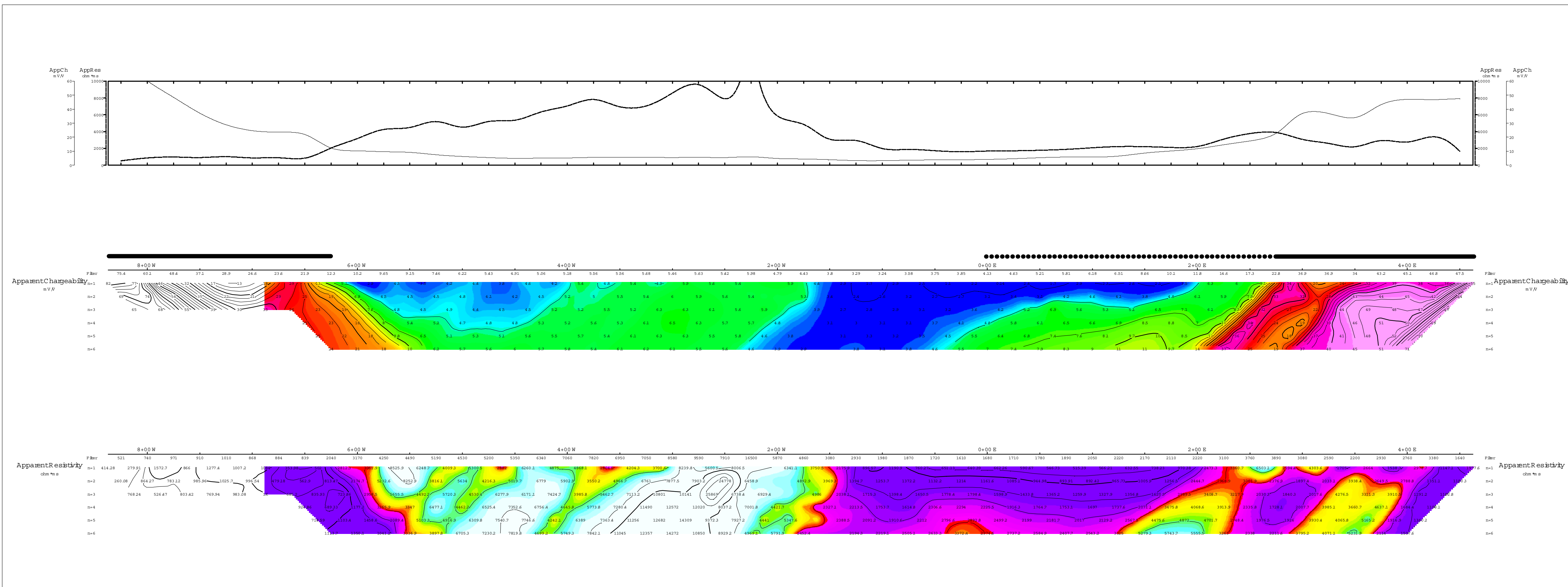
Logarithm E
Constant: 1, 1.5, 2, 3, 5, 7.5, 10...

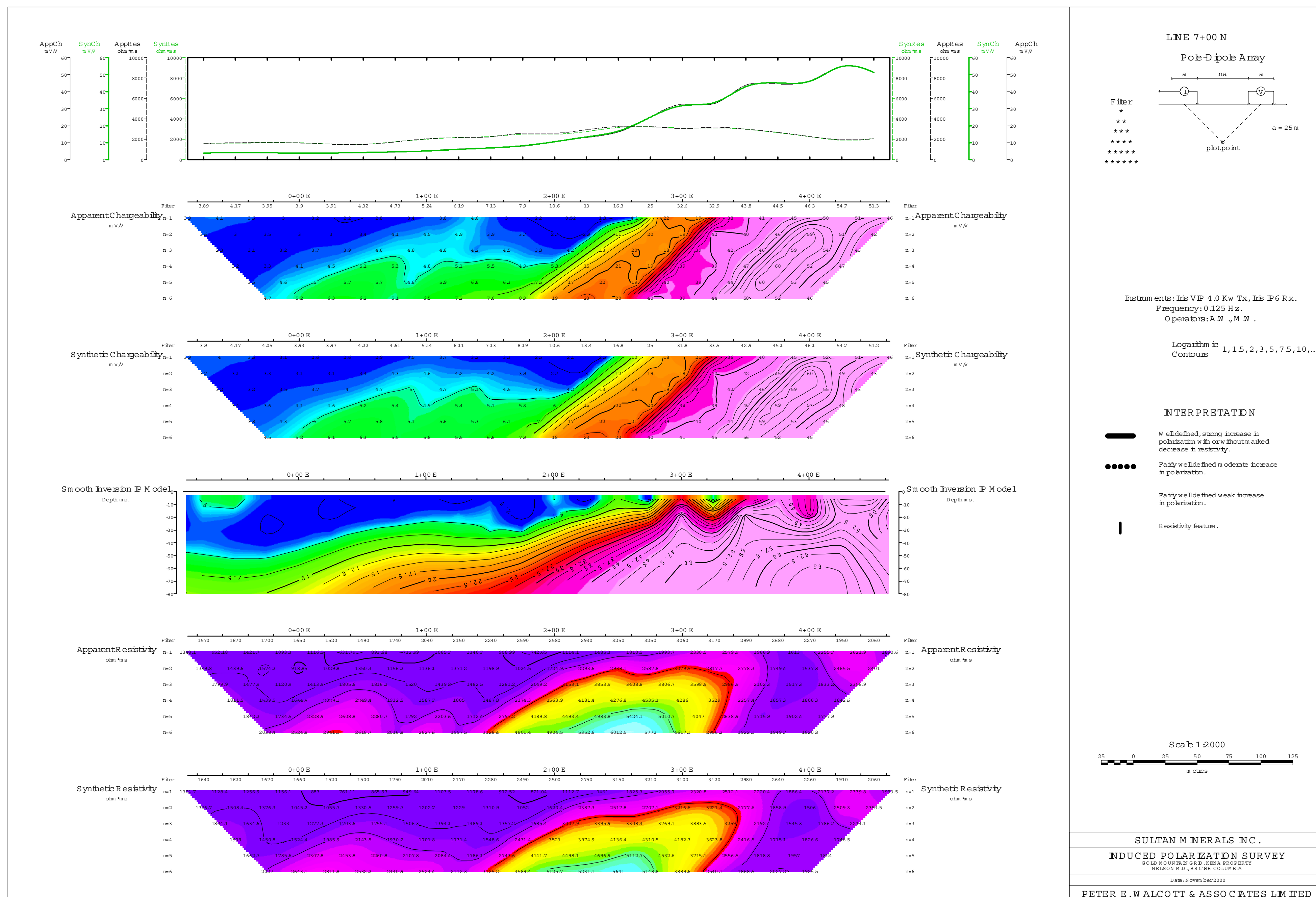
INTERPRETATION

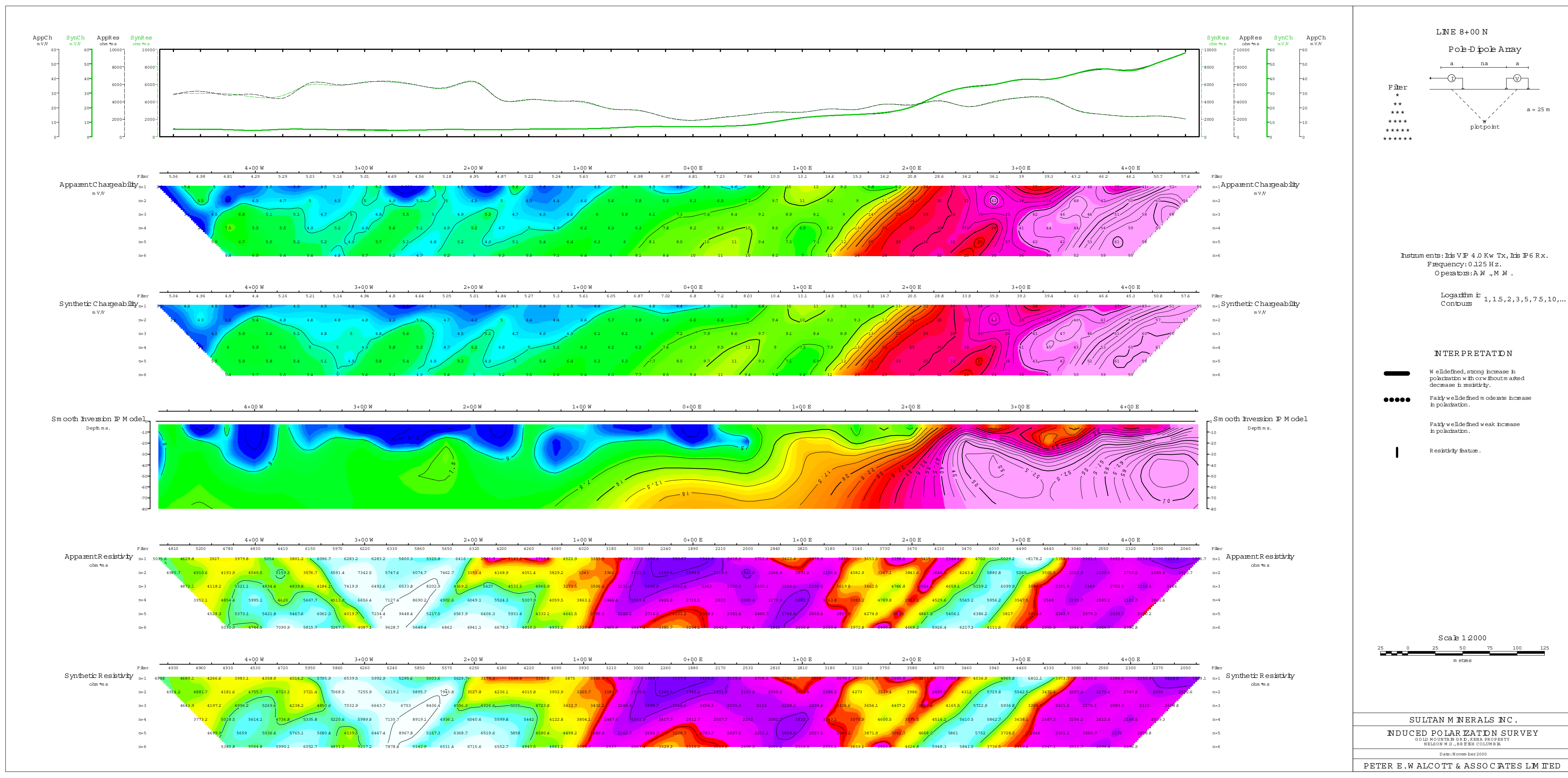
- Welded, strong increase in resistivity in the subsurface.
- Fully welded, moderate increase in resistivity.
- Fully welded, weak increase in resistivity.
- Resistivity feature.

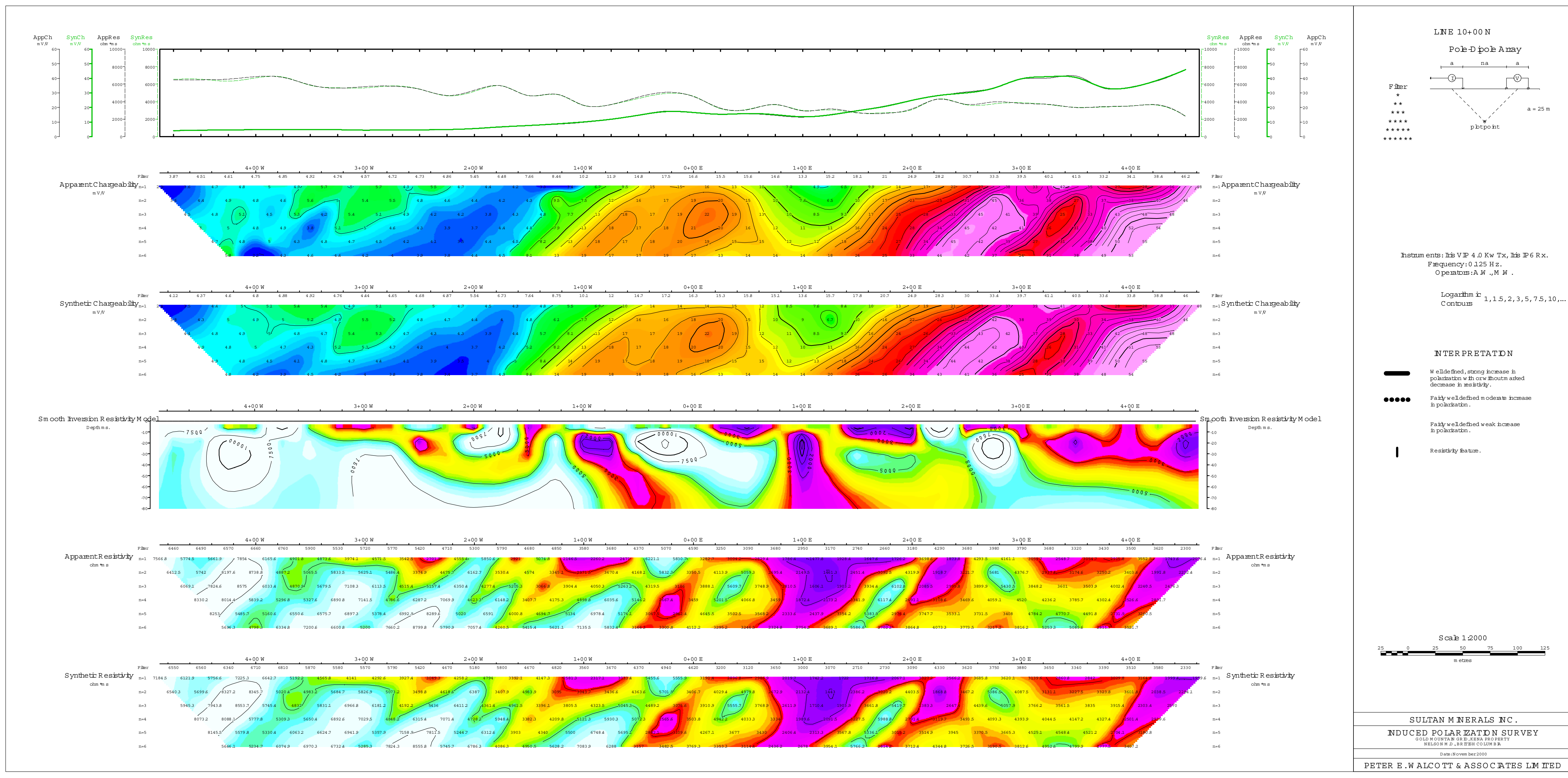
Scale 1:2000

SULTAN M. HERALD N.C.
INDUCED POLARIZATION SURVEY
GOLD MOUNTAIN GR.D., KENYA PROPERTY
NELSON M.D.S.C.
Date: NOVEMBER 2000. N.T.S. - 92D
Investigator: Peter E. M. Alcott
PETER E. M. ALCOTT & ASSOC. LTD.

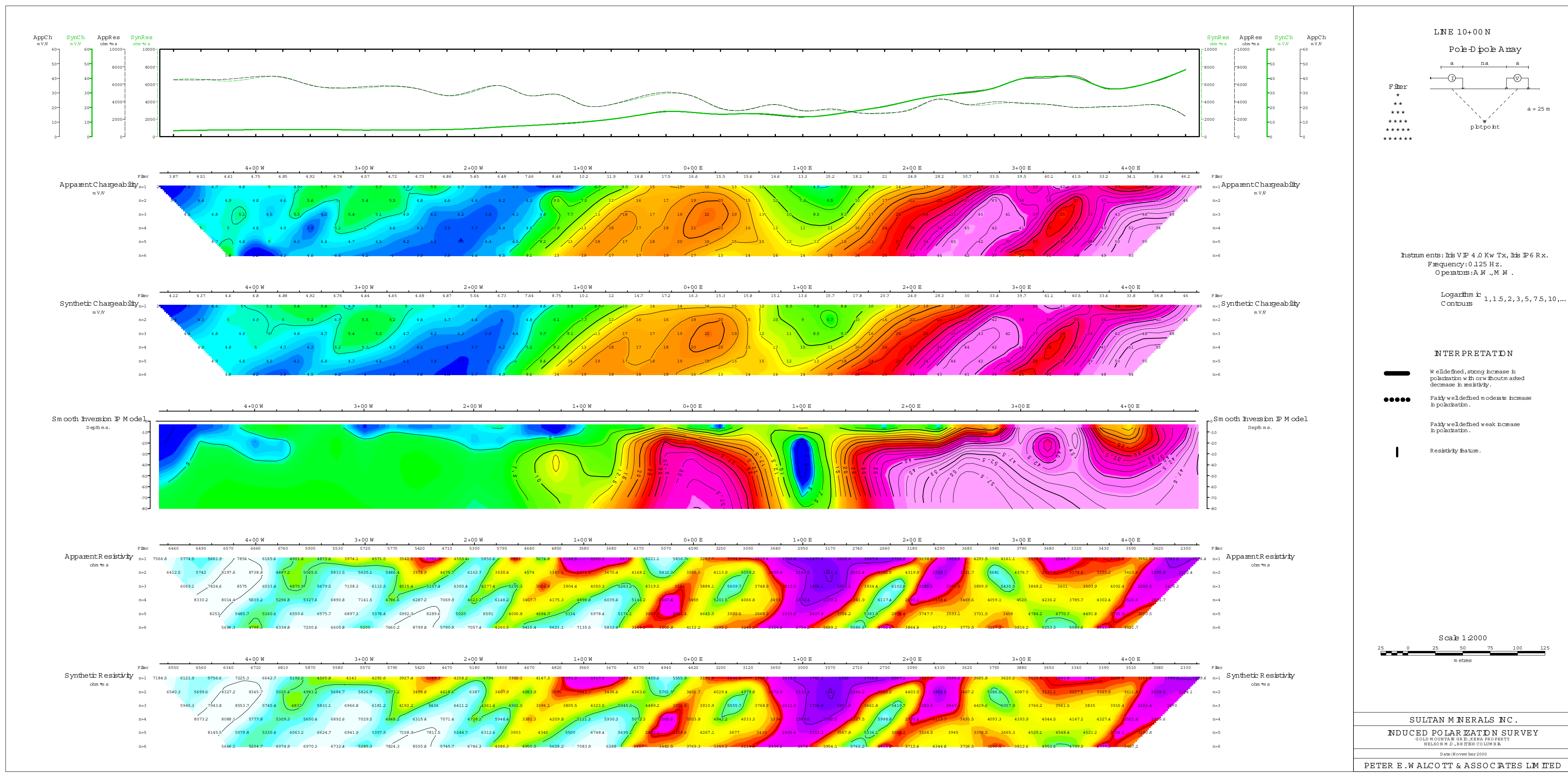


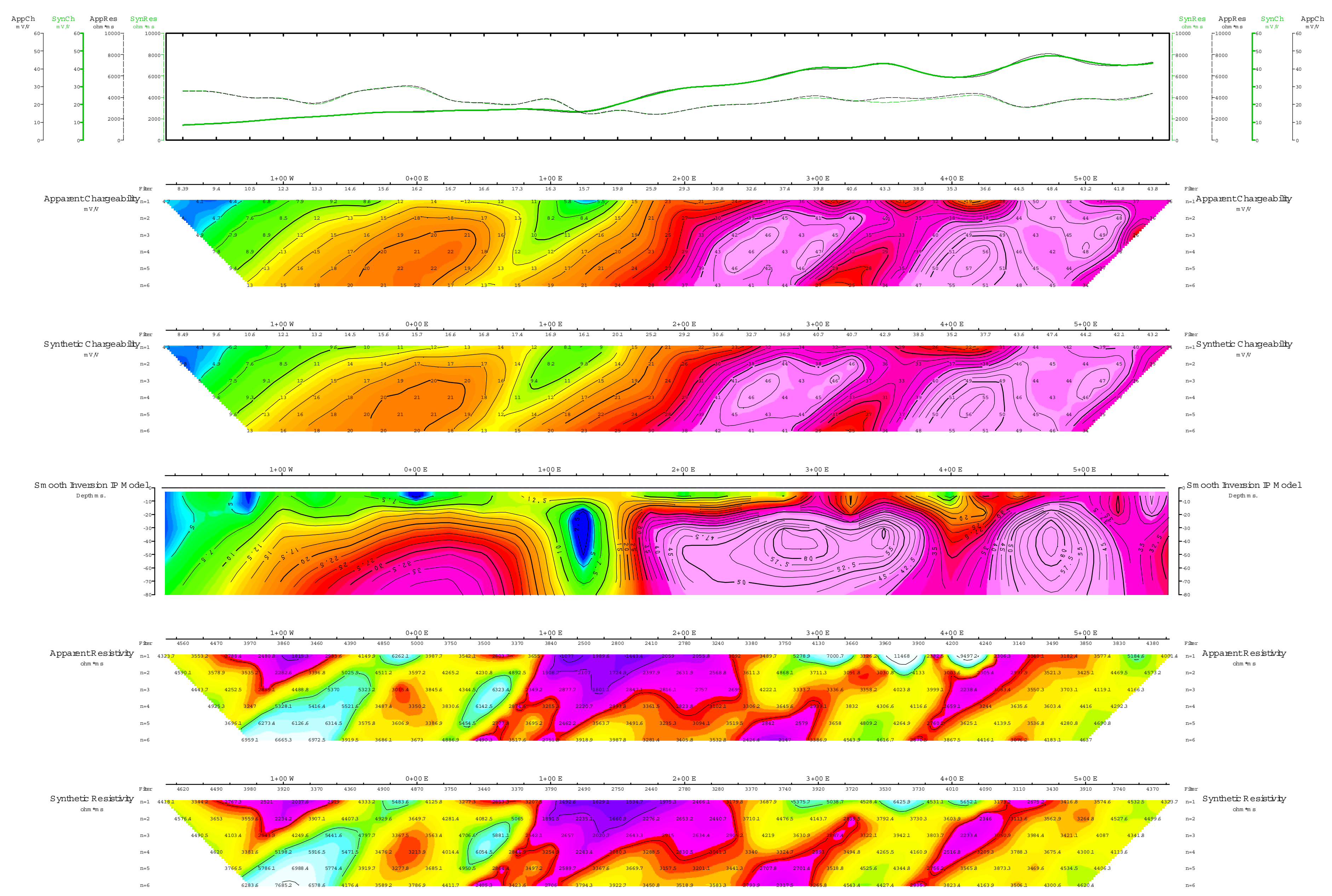






SULFAN MINERALS INC.
 INDUCED POLARIZATION SURVEY
 PETER B. WALCOTT & ASSOCIATES LM MFD





LINE 10+50 N

Pole-Dipole Array

a na a
 I
 a = 25m
 pitpoint

AppCh
 w/v
 0 10 20 30 40 50 60 70 80 90 100
 0 10 20 30 40 50 60 70 80 90 100
 0 10 20 30 40 50 60 70 80 90 100
 0 10 20 30 40 50 60 70 80 90 100

AppCh
 ohm m
 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

Intumescens VP 4.0 Kw Tm, 25 M Rk.
 Frequency 0.125 Hz,
 Orientation N-S, W-E.

Logarithm k
 Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

INTERPRETATION

- - - - - Weak to strong increase in
 polarization with core thickness added
 Decrease in resistivity.

* * * * * Fairly well defined moderate increase
 in polarization.

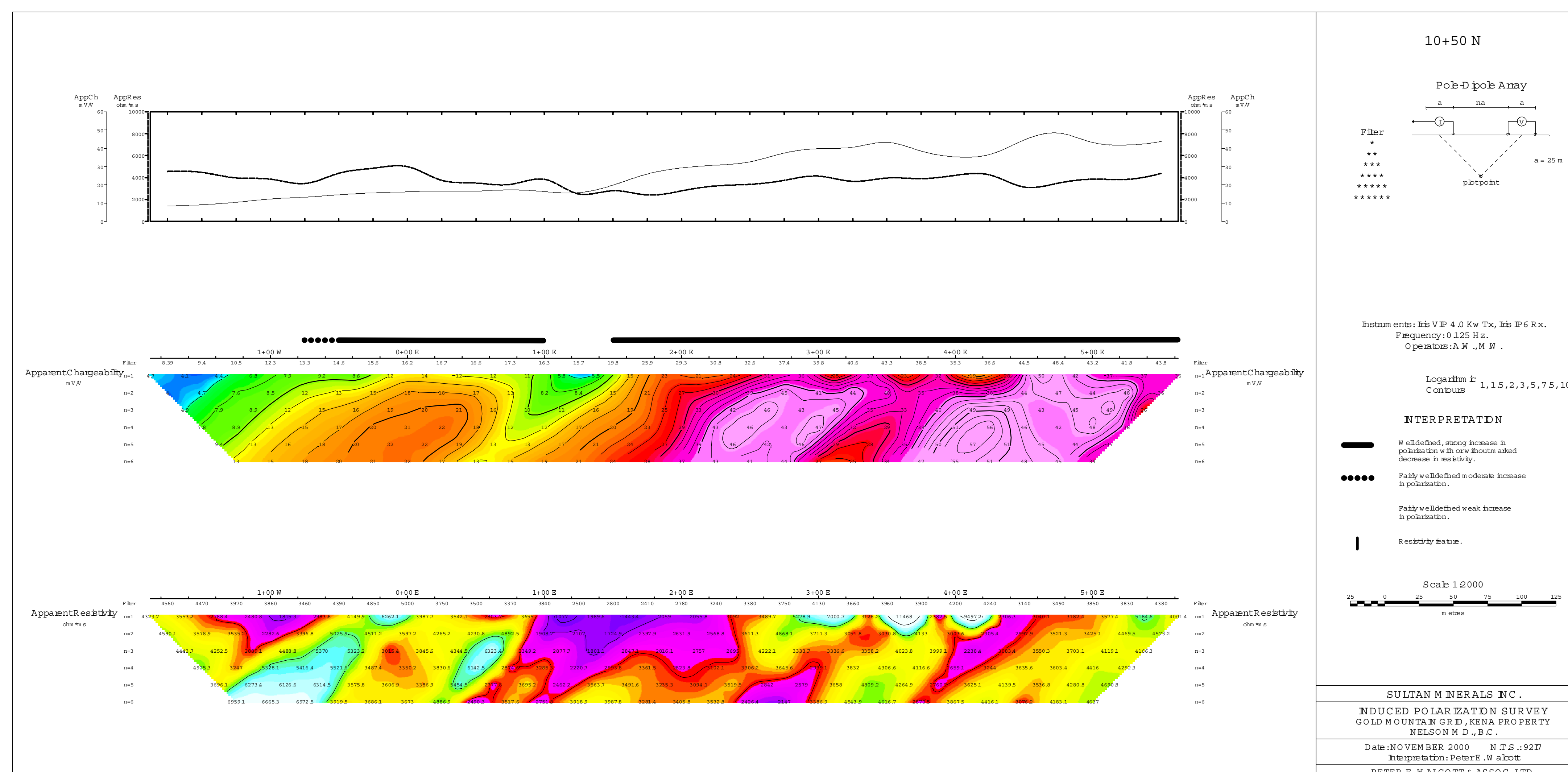
- - - - - Fairly well defined weak increase
 in polarization.

| Resistivity datum.

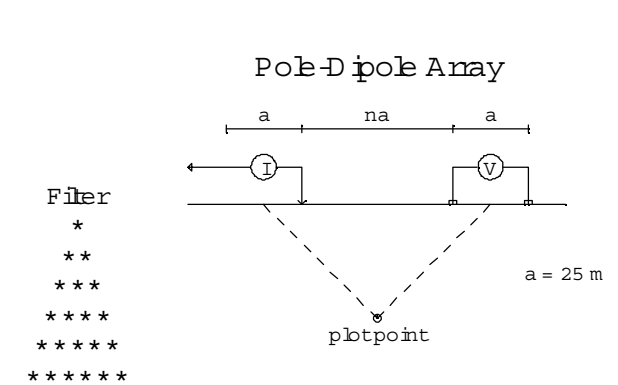
Scale 1:2000

0 50 100 150
 meters

SULTAN MINERALS INC.
INDUCED POLARIZATION SURVEY
 2010-2011
 REGION 2, 2010-2011
 PETER E. W. ALCOTT & ASSOCIATES LM LTD



10+50 N



Instrument: 2b V P 4.0 Kw Tx, 2b P 6 Rx.
 Frequency: 0.125 Hz.
 Openness: A.W., M.W.

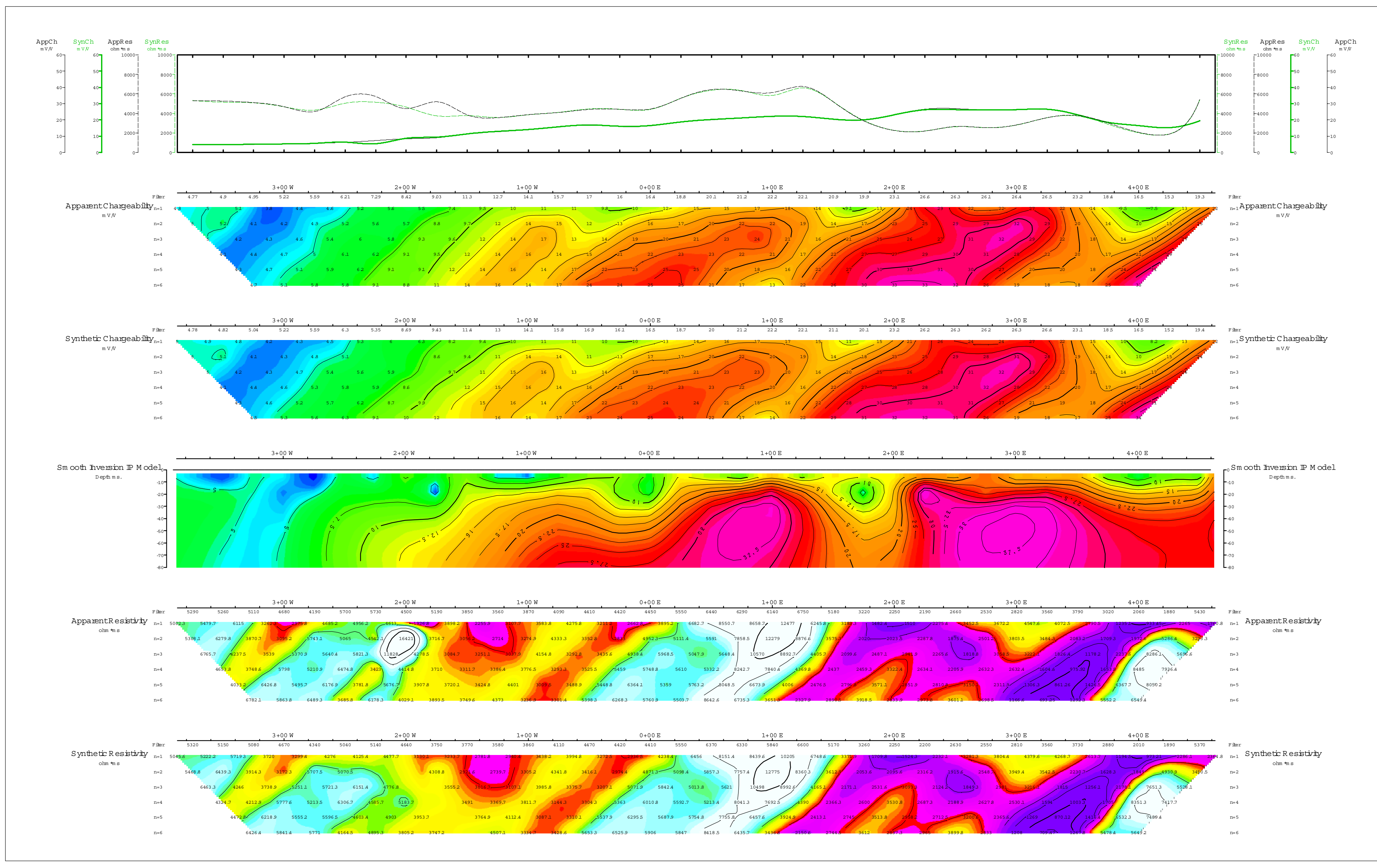
Logarithm E
 Constant 1, 1.5, 2, 3, 5, 7.5, 10, ...

INTERPRETATION

- Weakly defined, strong increase in polarization in the direction of decrease in resistivity.
- Fully defined moderate increase in polarization.
- Fully defined weak increase in polarization.
- | Resistivity feature.

Scale 1:2000

SULTAN M NERALS INC.
 INDUCED POLARIZATION SURVEY
 GOLD MOUNTAIN GR.D., KENYA PROPERTY
 NELSON M.D., B.S.
 Date: NOVEMBER 2000 W.T.S.-92D
 Interpretation: Peter E. W Alcott
 PETER E. W ALCOTT & ASSOC. LTD.



LNE 12+00 N
Pole-Pole Array

a = 25m
pikpoint

Intermittent: 4.0 Kw Tx, 2.5 P6 Rx.
 Frequency: 0.125 Hz.
 Orientation: N-M-N.

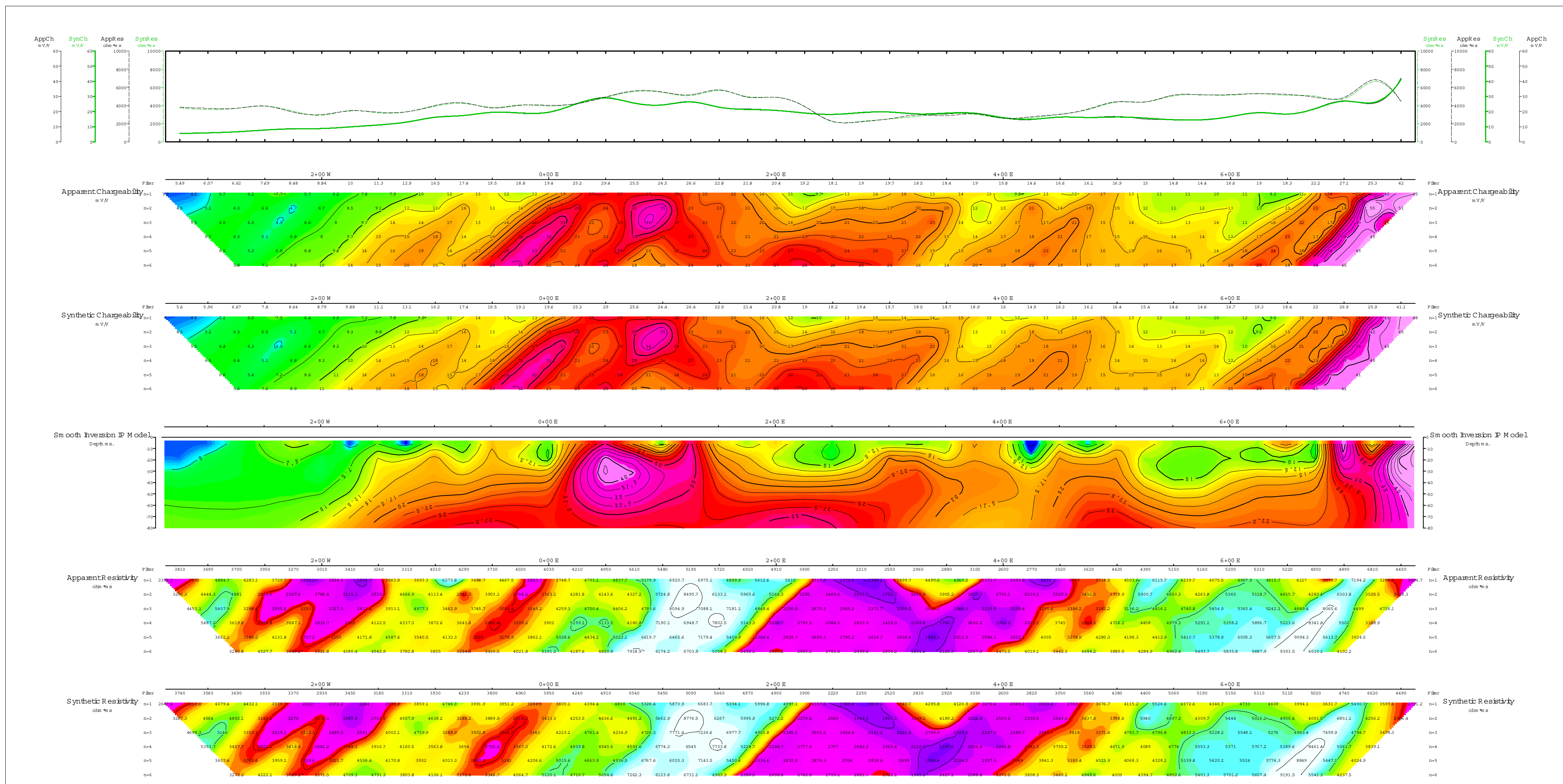
Logarithmic Continuum: 1, 1.5, 2, 3, 5, 7.5, 10...

INTERPRETATION

- Weakly defined, strong increase in polarization with current injected
- Weakly defined, strong decrease in resistivity
- Fairly well defined, strong increase in polarization
- Fairly well defined, weak increase in polarization
- Resistivity Status

Scale 1:2000

SULTAN MINERALS INC.
 INDUCED POLARIZATION SURVEY
 PETER E. W. ALCOTT & ASSOCIATES LIMITED



LNE 13+00 N
Pol-D Pol Array

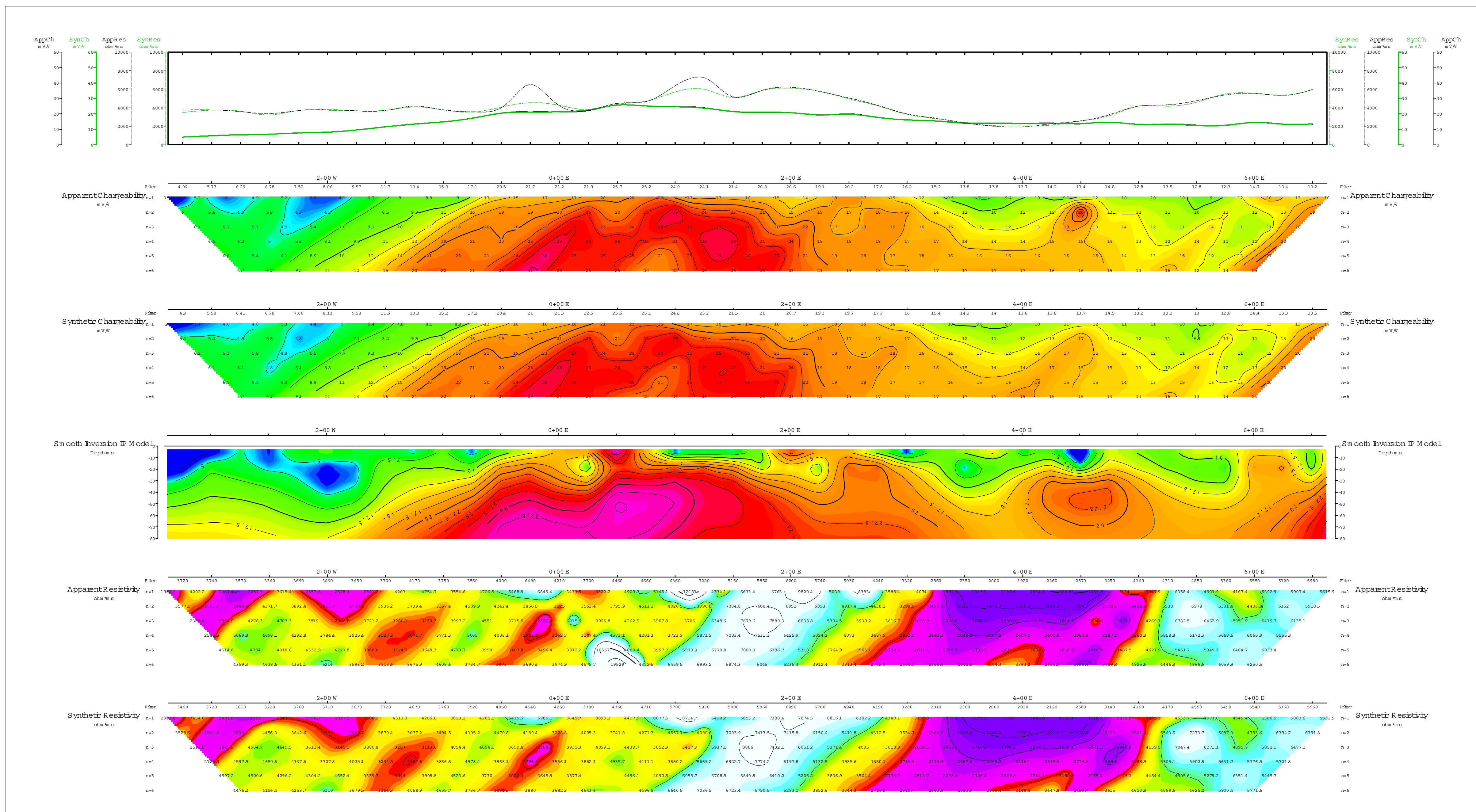
Stationing: 2+00 W, 0+00 E, 2+00 E, 4+00 E, 6+00 E

Legend:
 - Solid line: w defined, many increase in polarization w or w bounded
 - Dashed line: w defined, many increase in polarization w or w bounded
 - Dotted line: w defined, many increase in polarization w or w bounded
 - Dotted line: w defined, many increase in polarization w or w bounded
 - Dotted line: w defined, many increase in polarization w or w bounded

INTERPRETATION
 - w defined, many increase in polarization w or w bounded
 - w defined, many increase in polarization w or w bounded
 - w defined, many increase in polarization w or w bounded
 - w defined, many increase in polarization w or w bounded

Scale 1:2000

SULTAN MINERALS INC.
INDUCED POLARIZATION SURVEY
 PETER E. WALCOTT & ASSOCIATES LM LTD



LNE 14+00 N
Pole-Dipole Array

Station code: 25 V 4.0 Kv Tx, 25 P 6 Rx.
 Frequency: 0.125 Hz.
 Orientation: N-M.

Logarithm 1, 1.5, 2, 3, 5, 7.5, 10, ...
 Contours

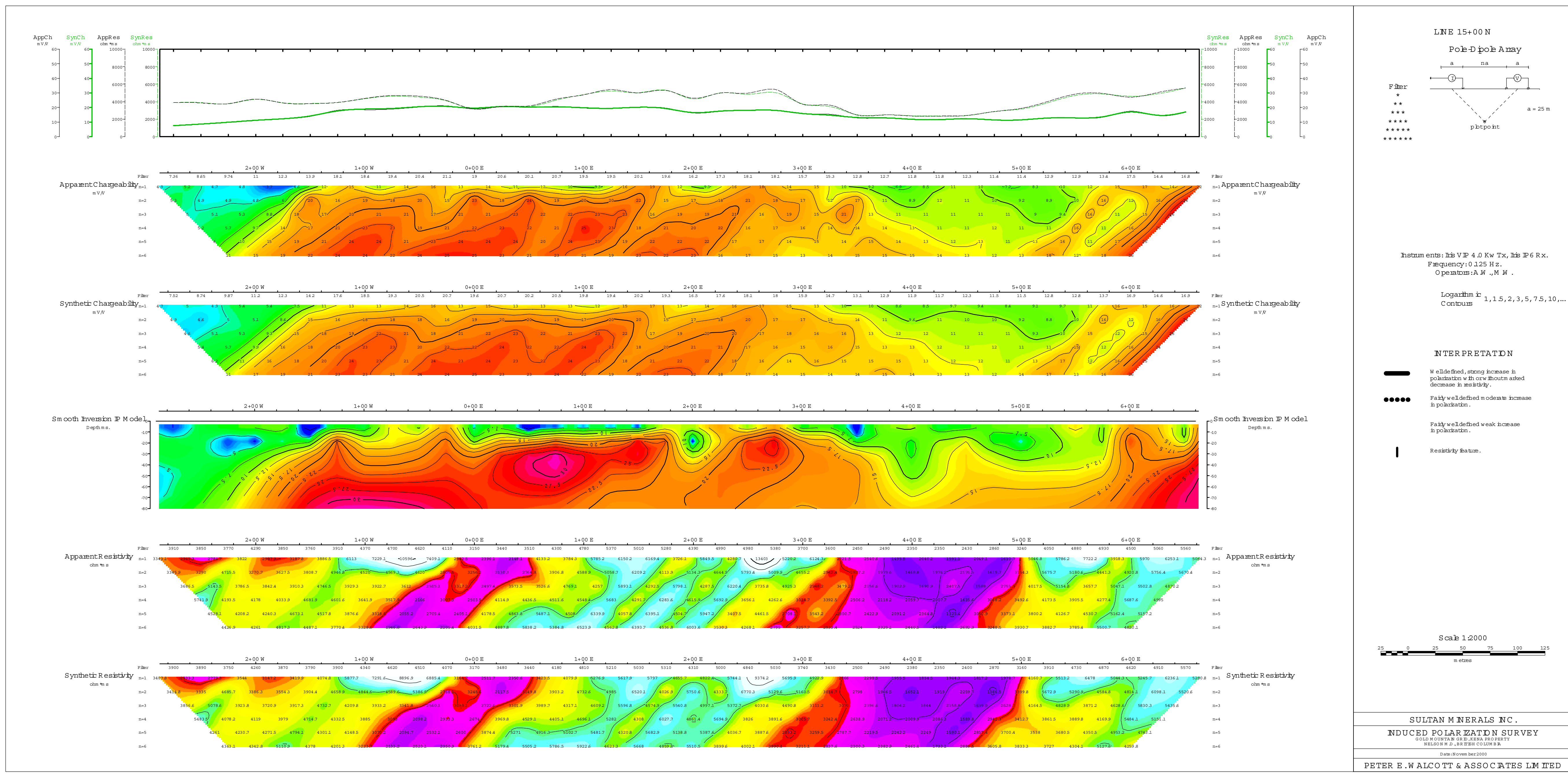
INTERPRETATION

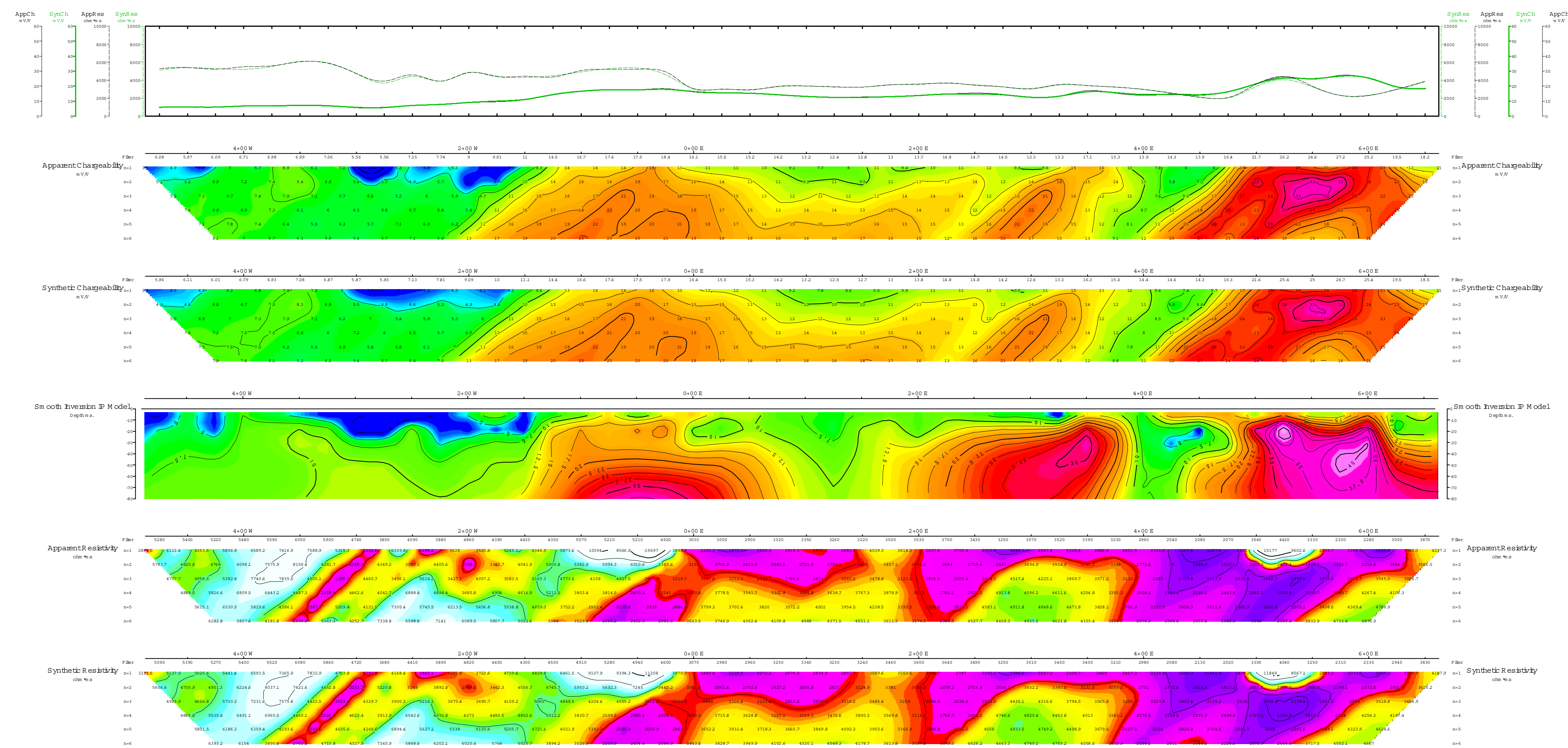
- Weak field, strong increase in polarization with low resistivity decrease in resistivity.
- Fully defined moderate increase in polarization.
- Fully defined weak increase in polarization.
- | Resistivity datum.

Scale 1:2000
 0 20 40 60 80 100
 meters

SULTAN M. MERALS INC.
INDUCED POLARIZATION SURVEY
REGISTERED ELECTRICAL ENGINEER
 MALAYSIA P. O. BOX 10000 KUALA LUMPUR

PETER E. WALCOTT & ASSOCIATES LM PTE





LINE 17+00 N
Pole-Dipole Array

Instrument: ZS VP 4.0 Kw Tx, ZS P6 Rx.
 Frequency: 0.225 Hz.
 Dipole Moment: A-B, 20 m.

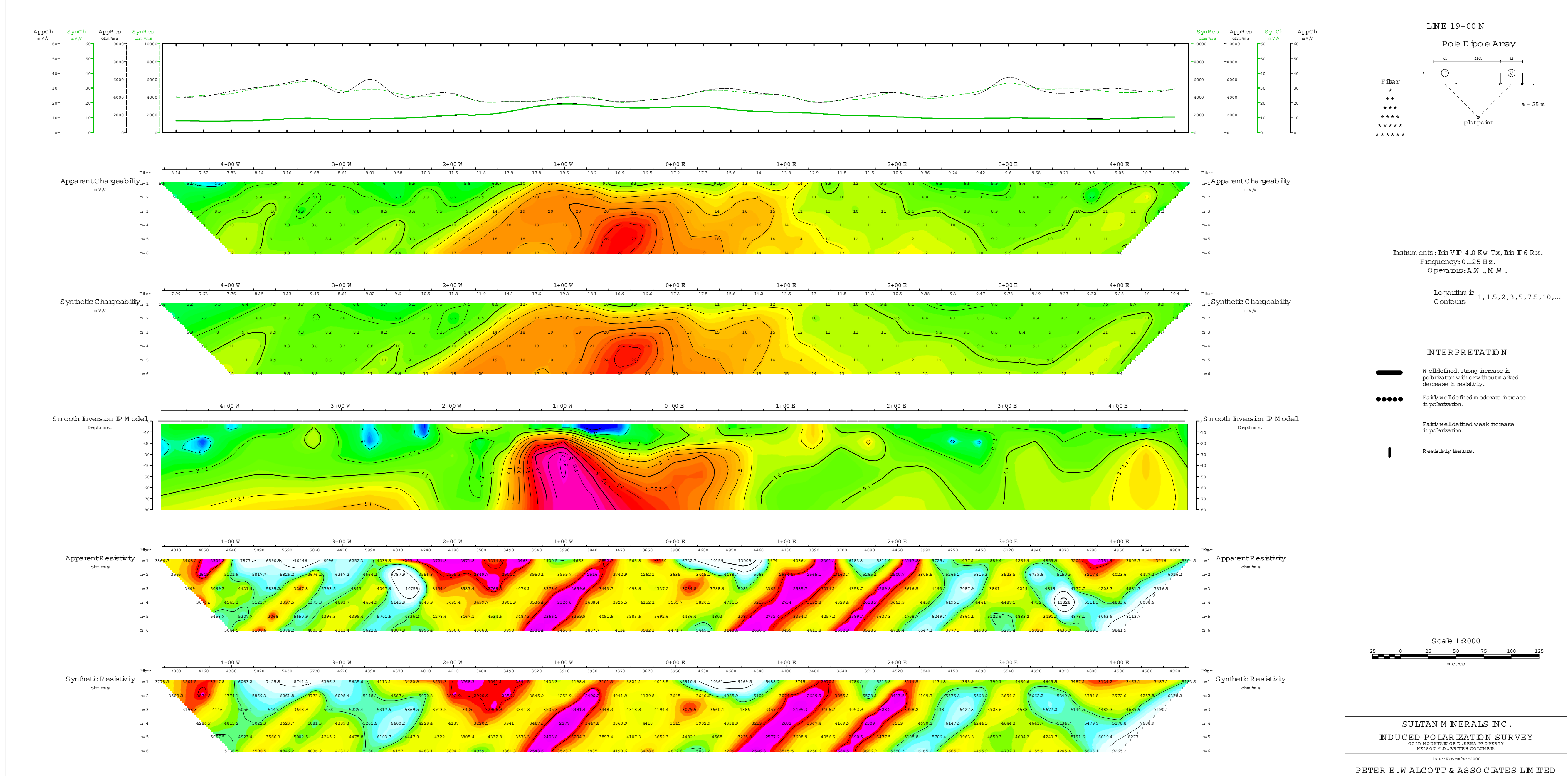
Logarithm: 1, 1.5, 2, 3, 5, 7.5, 10, ...
 Contours: w/V

INTERPRETATION

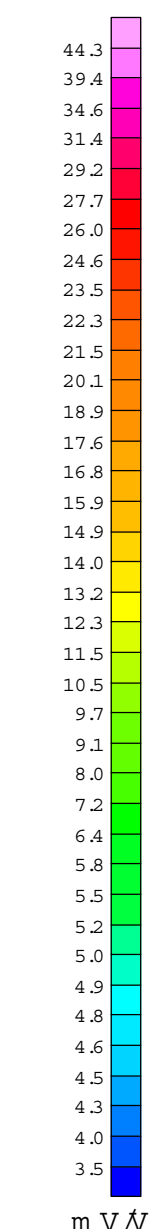
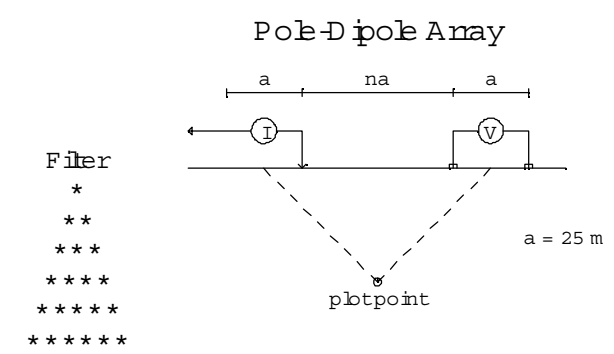
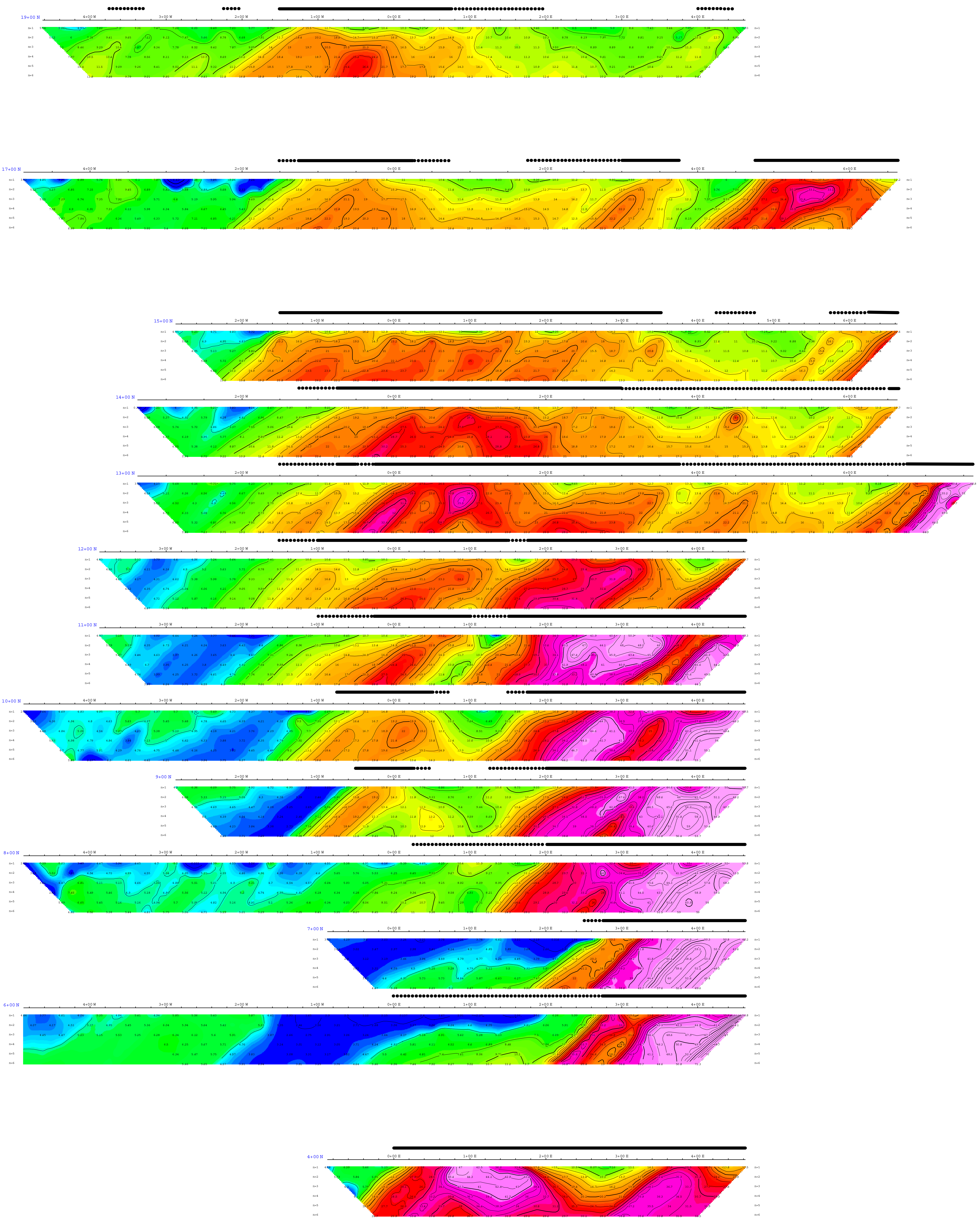
- Widered, steeper increase in pole-dipole w/V curve shows a decrease in resistivity.
- Fully w/deduced in section increase in pole-dipole.
- Fully w/deduced weak increase in pole-dipole.
- Resistivity scale.

Scale 1:2000

SULTAN MINERALS INC.
 INDUCED POLARIZATION SURVEY
 PETER E. W. ALCOTT & ASSOCIATES LIMITED



CHARGEABILITY PSEUDOSECTIONS



Instrument: Hi VP 4.0 Kw Tx, Hi P6 Rx.
 Frequency: 0.25 Hz.
 Operator: A.M.M.

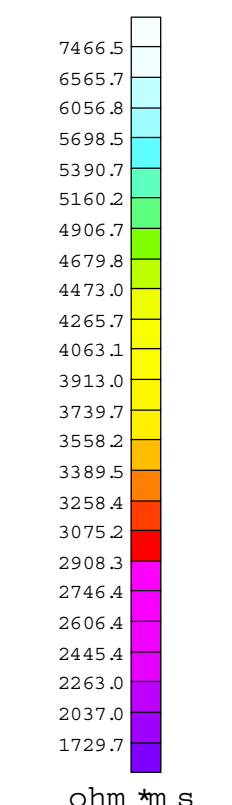
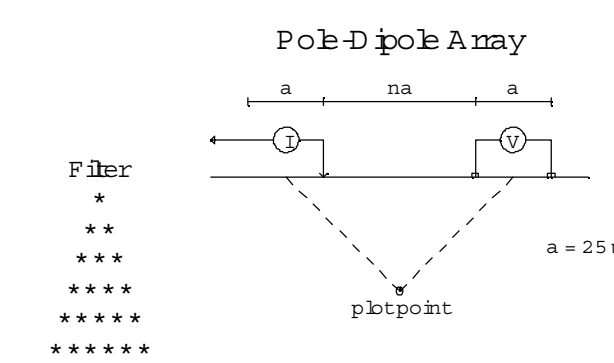
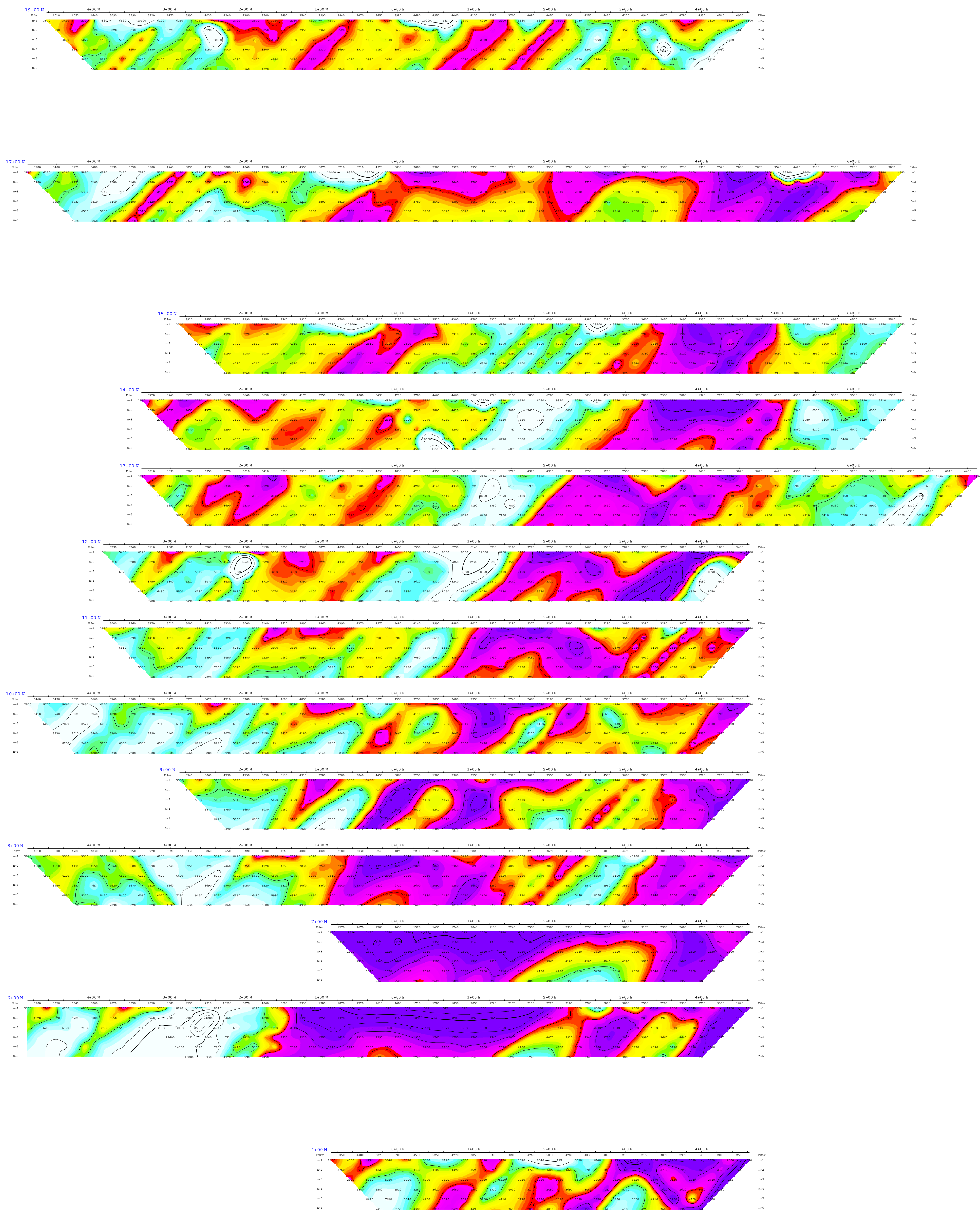
Logarithm: 1, 1.5, 2, 3, 5, 7.5, 10, ...
 Continuum

INTERPRETATION
 - Solid line: strong increase in polarisation in ore bodies and decrease in resistivity.
 - Dotted line: weak increase in polarisation.
 - Dashed line: weak increase in polarisation.
 - Vertical line: Resistivity datum.



SULTAN MINERALS INC.
 INDUCED POLARIZATION SURVEY
 GOLD MOUNTAIN G.R.S. AREA PROPERTY
 NELSON M.D., B.C.
 Date: NOVEMBER 2000 N.T.S.: 92D
 Prepared by: Peter E. M. Alcott
 PETER E. M. ALCOTT & ASSOC. LTD.

RESISTIVITY PSEUDOSECTIONS



Instrument: B&V VP 4 D Rx Tx, 126 P6 Rx.
 Frequency: 0.125 Hz.
 Points: A, M, M, M.
 Logarithm: 1, 1.5, 2, 3, 5, 7.5, 10, ...
 Contour:

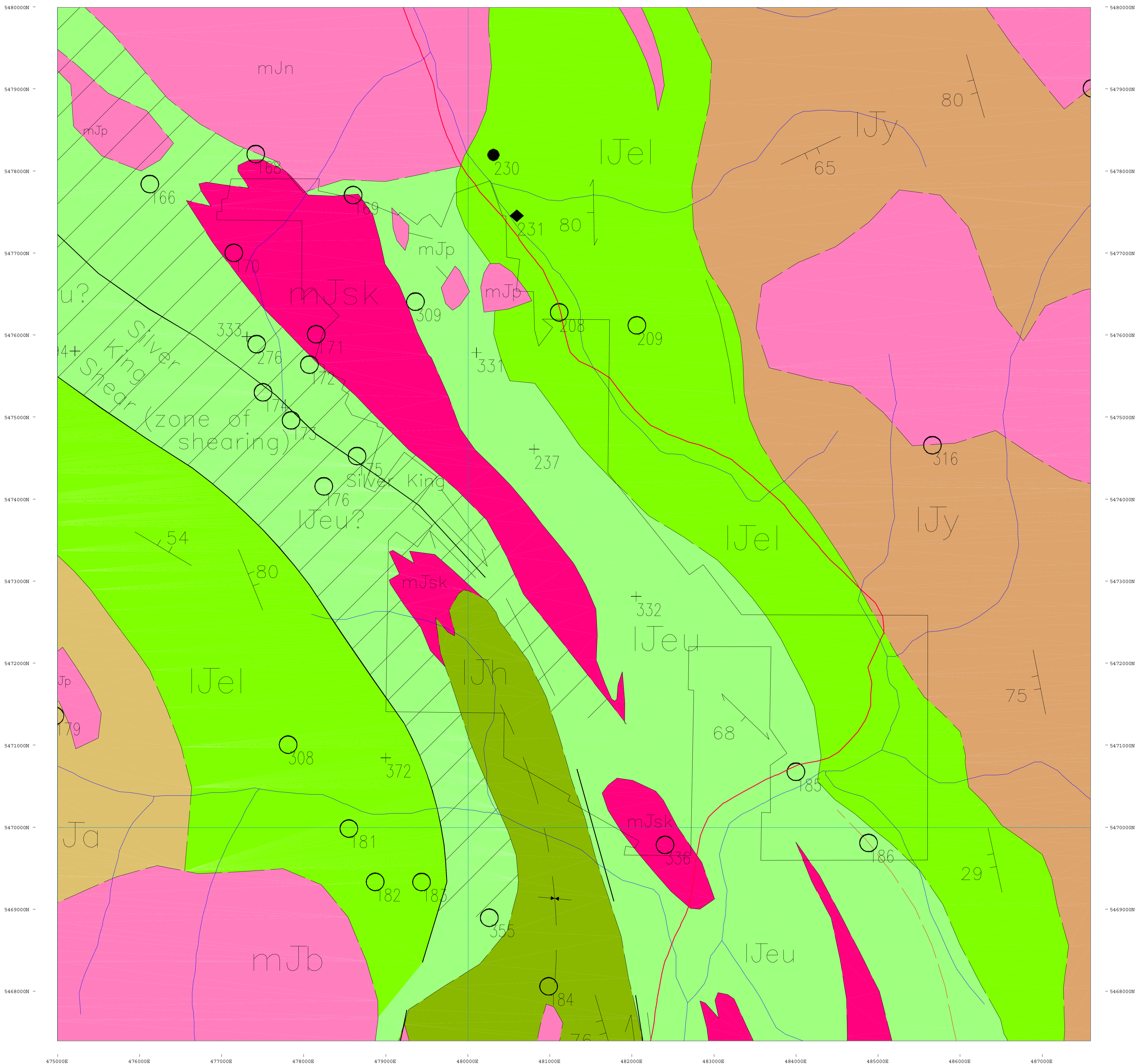
INTERPRETATION

— High resistivity increase in polarization with overburden and decrease in resistivity.
 ••••• Fully resistive column increase in polarization.
 — Fully resistive weak increase in polarization.
 | Resistive column.

Scale: 1:2000
 0 25 50 75 100 125
 meters

SULTAN MINERALS INC.
 INDUCED POLARIZATION SURVEY
 GOLD MOUNTAIN G.E.P. TENA PROPERTY
 NELSON M.D.B.C.
 Date: NOVEMBER 2000 N.T.S.: 927
 Interpretation: PETER E. W. ALCOTT
 PETER E. W. ALCOTT & ASSOC. LTD.

475000E 476000E 477000E 478000E 479000E 480000E 481000E 482000E 483000E 484000E 485000E 486000E 487000E



LEGEND

CONTOUR

- 1:5000 contour
- 1:10000 contour
- 1:20000 contour
- 1:50000 contour

STRUCTURE

- 1: Fault
- 2: Fault zone
- 3: Fault zone with mineralization
- 4: Fault zone with mineralization and breccia
- 5: Fault zone with mineralization and breccia and breccia
- 6: Fault zone with mineralization and breccia and breccia and breccia
- 7: Fault zone with mineralization and breccia and breccia and breccia and breccia
- 8: Fault zone with mineralization and breccia and breccia and breccia and breccia and breccia
- 9: Fault zone with mineralization and breccia and breccia and breccia and breccia and breccia and breccia
- 10: Fault zone with mineralization and breccia and breccia and breccia and breccia and breccia and breccia and breccia

MESOZOIC

- 1: Upper Cretaceous
- 2: Lower Cretaceous
- 3: Upper Paleocene
- 4: Lower Paleocene
- 5: Upper Eocene
- 6: Lower Eocene
- 7: Upper Oligocene
- 8: Lower Oligocene
- 9: Upper Miocene
- 10: Lower Miocene
- 11: Upper Pliocene
- 12: Lower Pliocene
- 13: Upper Quaternary
- 14: Lower Quaternary

PALEOZOIC

- 1: Upper Devonian
- 2: Lower Devonian
- 3: Upper Silurian
- 4: Lower Silurian
- 5: Upper Ordovician
- 6: Lower Ordovician
- 7: Upper Cambrian
- 8: Lower Cambrian
- 9: Upper Ordovician
- 10: Lower Ordovician
- 11: Upper Cambrian
- 12: Lower Cambrian

PRECAMBRIAN

- 1: Upper Proterozoic
- 2: Lower Proterozoic
- 3: Upper Archean
- 4: Lower Archean

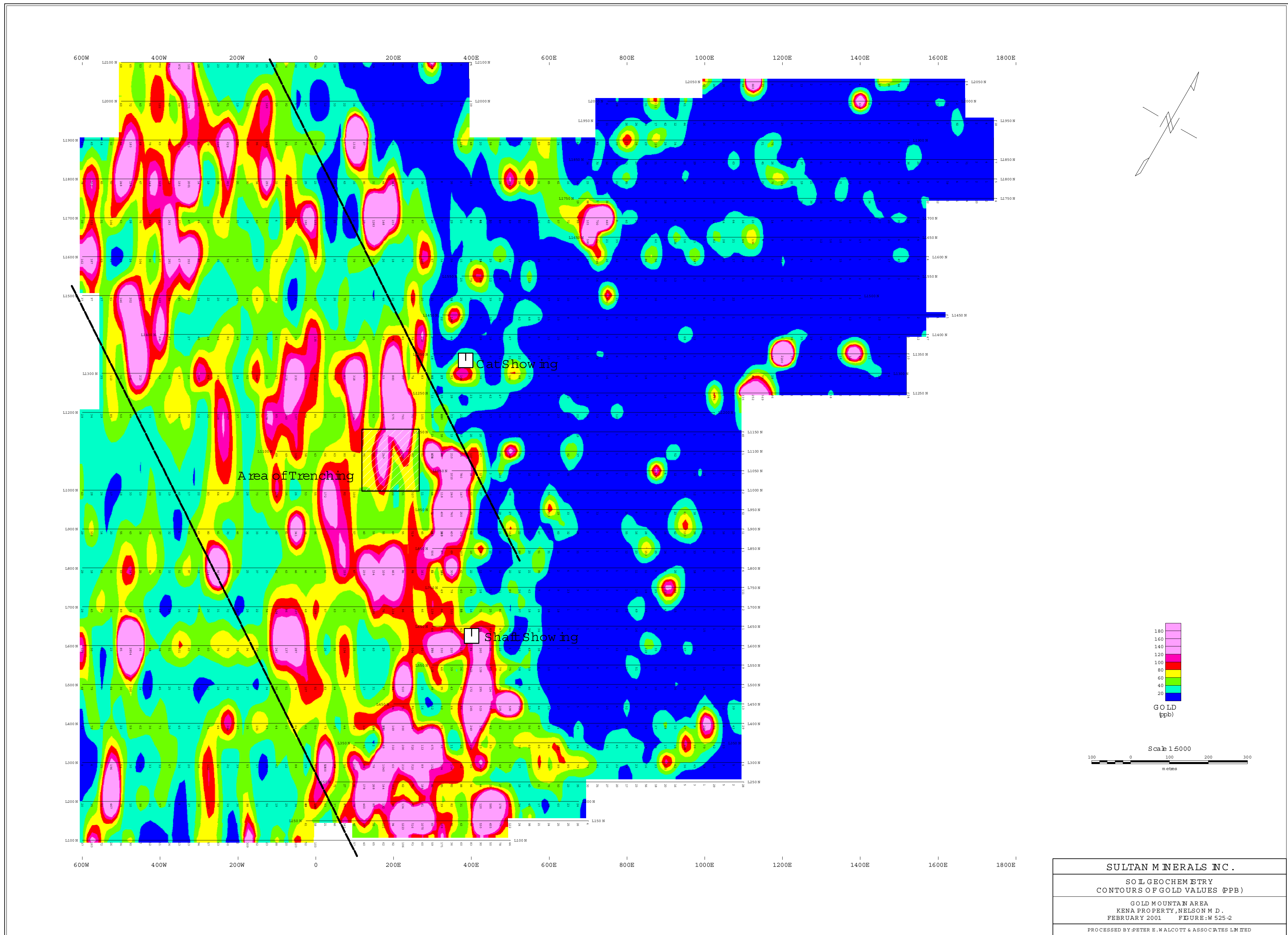
UNCONFORMITY

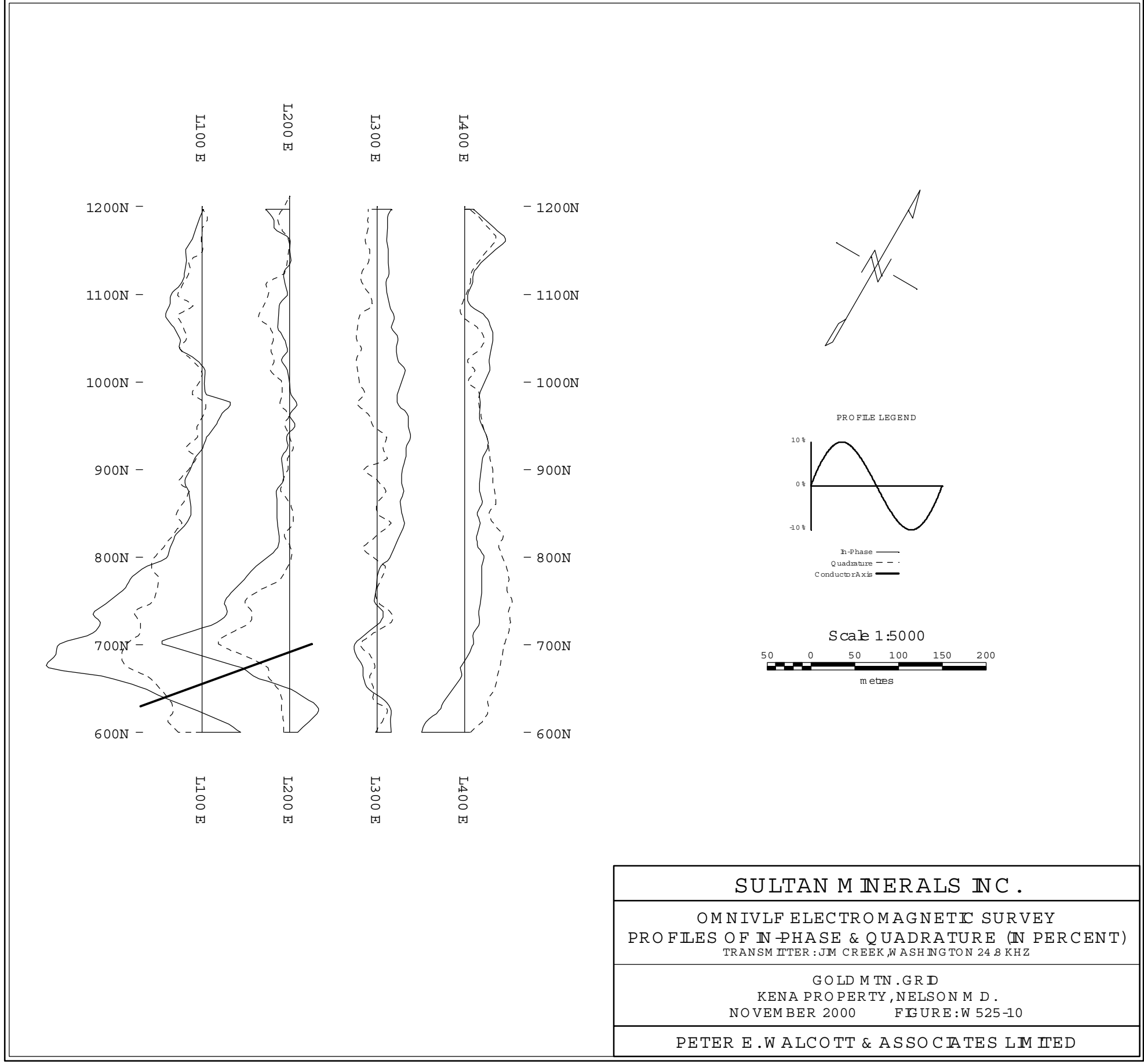
- 1: Unconformity
- 2: Unconformity
- 3: Unconformity
- 4: Unconformity
- 5: Unconformity
- 6: Unconformity
- 7: Unconformity
- 8: Unconformity
- 9: Unconformity
- 10: Unconformity
- 11: Unconformity
- 12: Unconformity
- 13: Unconformity
- 14: Unconformity
- 15: Unconformity
- 16: Unconformity
- 17: Unconformity
- 18: Unconformity
- 19: Unconformity
- 20: Unconformity

Scale 1:20000

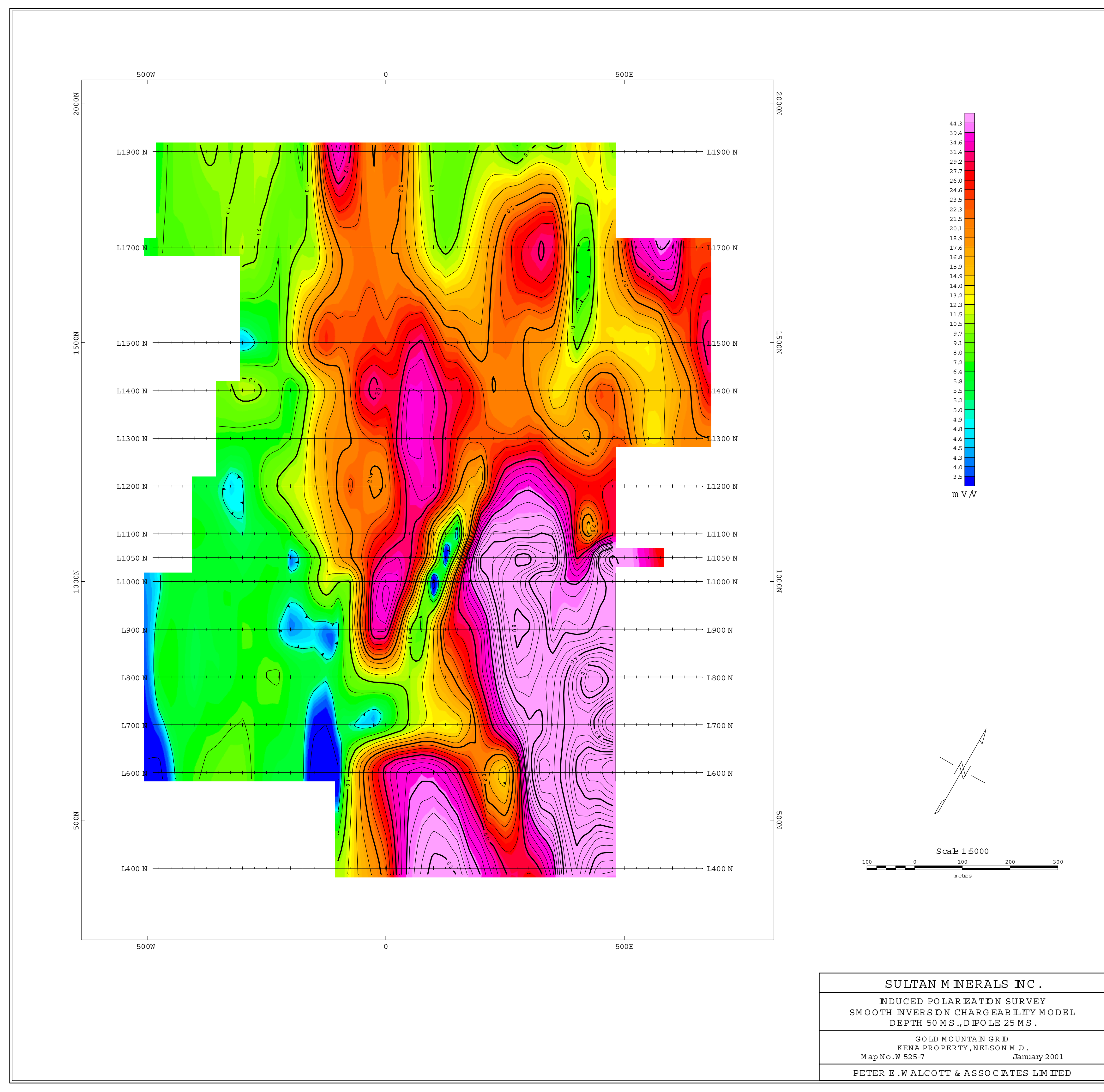
0 100 200 300 400 500 600 700 800 900 1000

SULTAN MINERALS INC.
 REGIONAL GEOLOGY
 AMHERST AND DISTRICT, N.S.
 KINKA PROPERTY, NELSON M.D.
 NTS: 82F034 & 82F044
 NOVEMBER 2000 PEUSE: M 525-1
 PETER E. WALCOTT & ASSOCIATES LIMITED

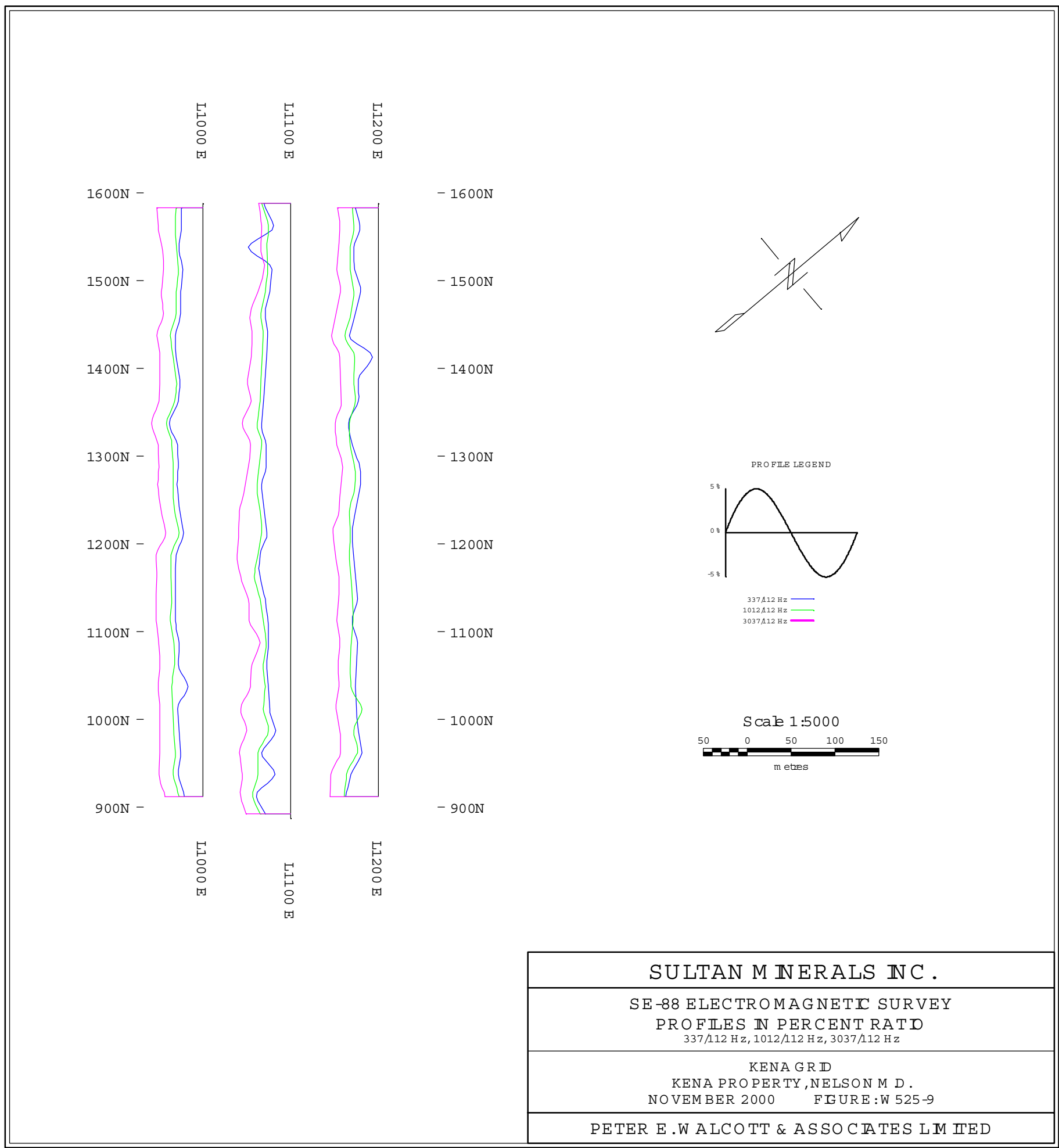




SULTAN MINERALS INC.	
OMNIPOLAR ELECTROMAGNETIC SURVEY PROFILES OF N-PHASE & QUADRATURE (IN PERCENT) TRANSECT 01 - ON CROSS SECTION 24 & 25	
GOLD MTN. GED KENA PROPERTY, NELSON M.D. NOVEMBER 2000 FEUREW 525-10	
PETER E. WALCOTT & ASSOCIATES LIMITED	



SULTAN MINERALS INC.
 INDUCED POLARIZATION SURVEY
 SMOOTH INVERTED CHARGEABILITY MODEL
 DEPTH 50 M.S., DPOLE 25 M.S.
 GOLD MOUNTAIN G.D.E.
 KENA PROPERTY, NELSON M.D.
 Map No. M 525-7 January 2001
 PETER E.W. ALCOTT & ASSOCIATES LIMITED



SULTAN MINERALS INC.
SE-66 ELECTROMAGNETIC SURVEY
PROFILES IN PERCENT RATIO
337612 N.E., 331212 N.E., 333712 N.E.
KENA CREED
KENA PROPERTY, NELSON M.D.
NOVEMBER 2000 FIGURE M 525-9
PETER E. W. ALCOTT & ASSOCIATES L.M.F.E.D.

