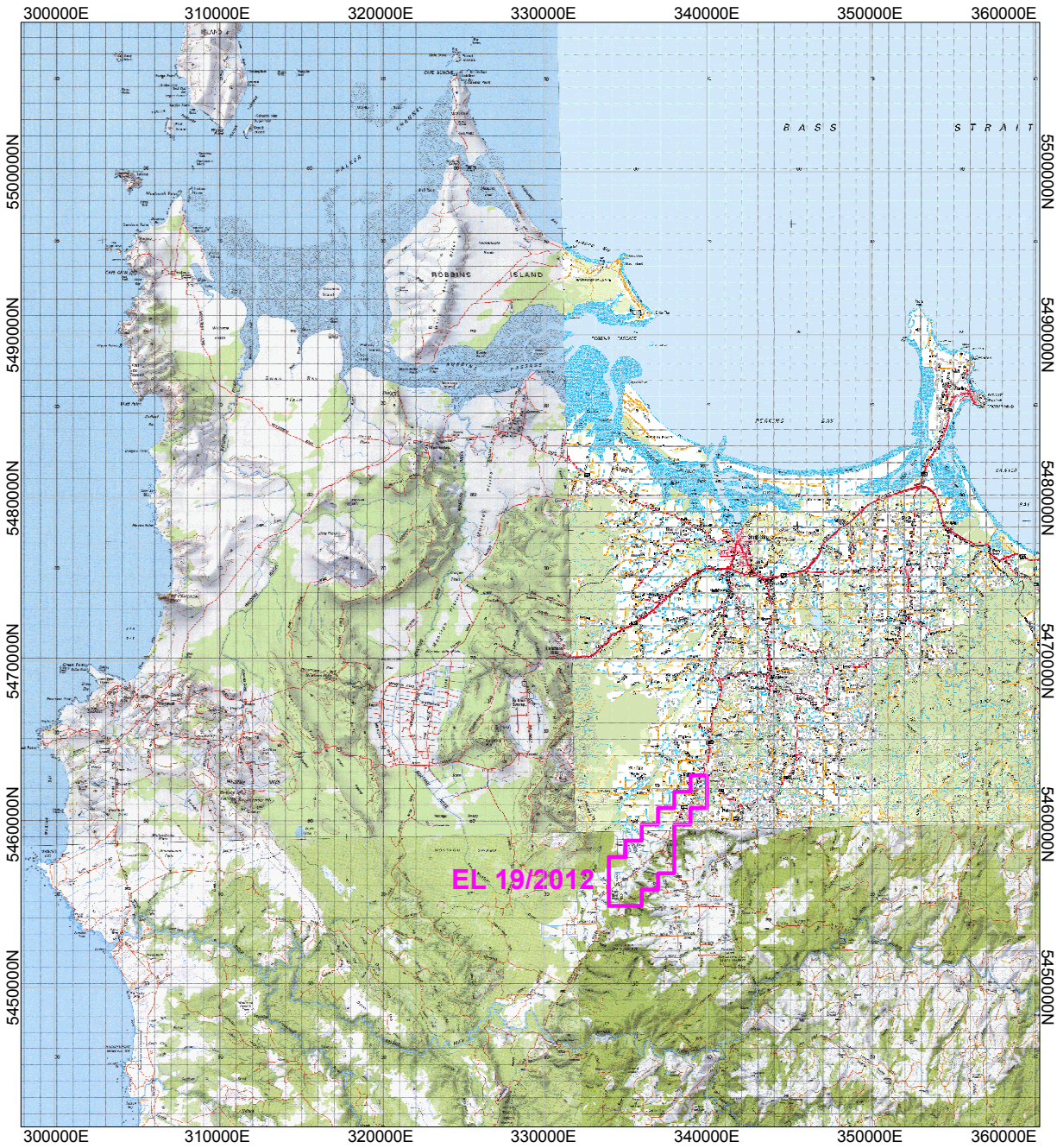


1 : 400,000 when printed to scale

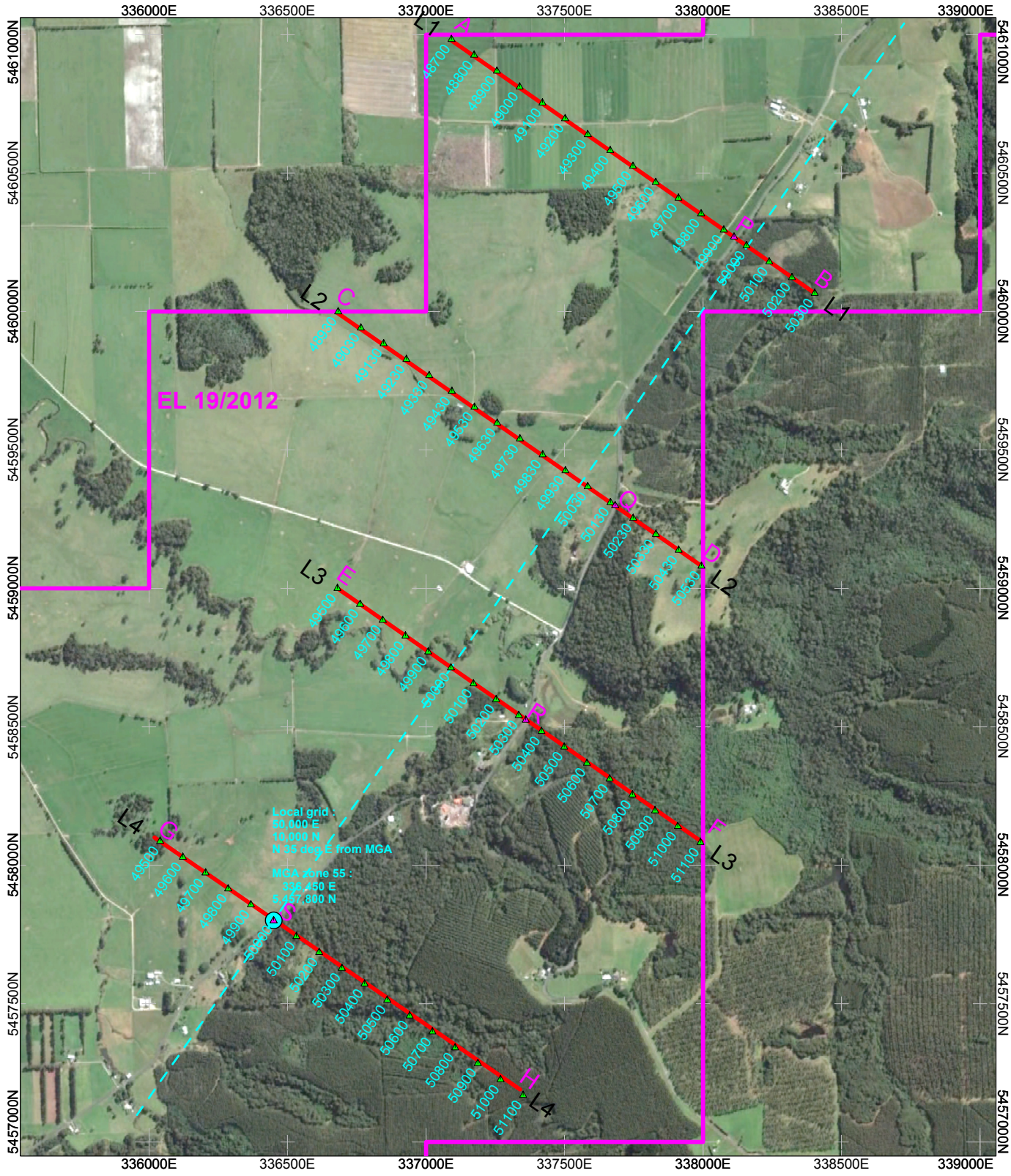
5000 0 5000 10000

(meters)

GDA94 / MGA zone 55

Figure 1

LEACHED CAP PTY LTD	
EL 19/2012 - Roger River Dipole-dipole IP survey **Tenement location** **Northwest Tasmania**	
Author: PM	Date: Jan 2015



label	E mga	N mga	line
A	337,090	5,460,980	L1 = 13,000N
P	338,115	5,460,265	
B	338,405	5,460,065	
C	336,680	5,459,995	L2 = 11,950N
Q	337,680	5,459,300	
D	337,995	5,459,080	
E	336,680	5,459,000	L3 = 11,100N
R	337,360	5,458,525	
F	337,995	5,458,085	
G	336,020	5,458,100	L4 = 10,000N
S	336,450	5,457,800	
H	337,340	5,457,190	

(coordinates are approximate)

▲ IP electrodes

▲ road crossing points

1 : 20,000 when printed to scale

250 0 250 500

(meters)

GDA94 / MGA zone 55

Figure 2

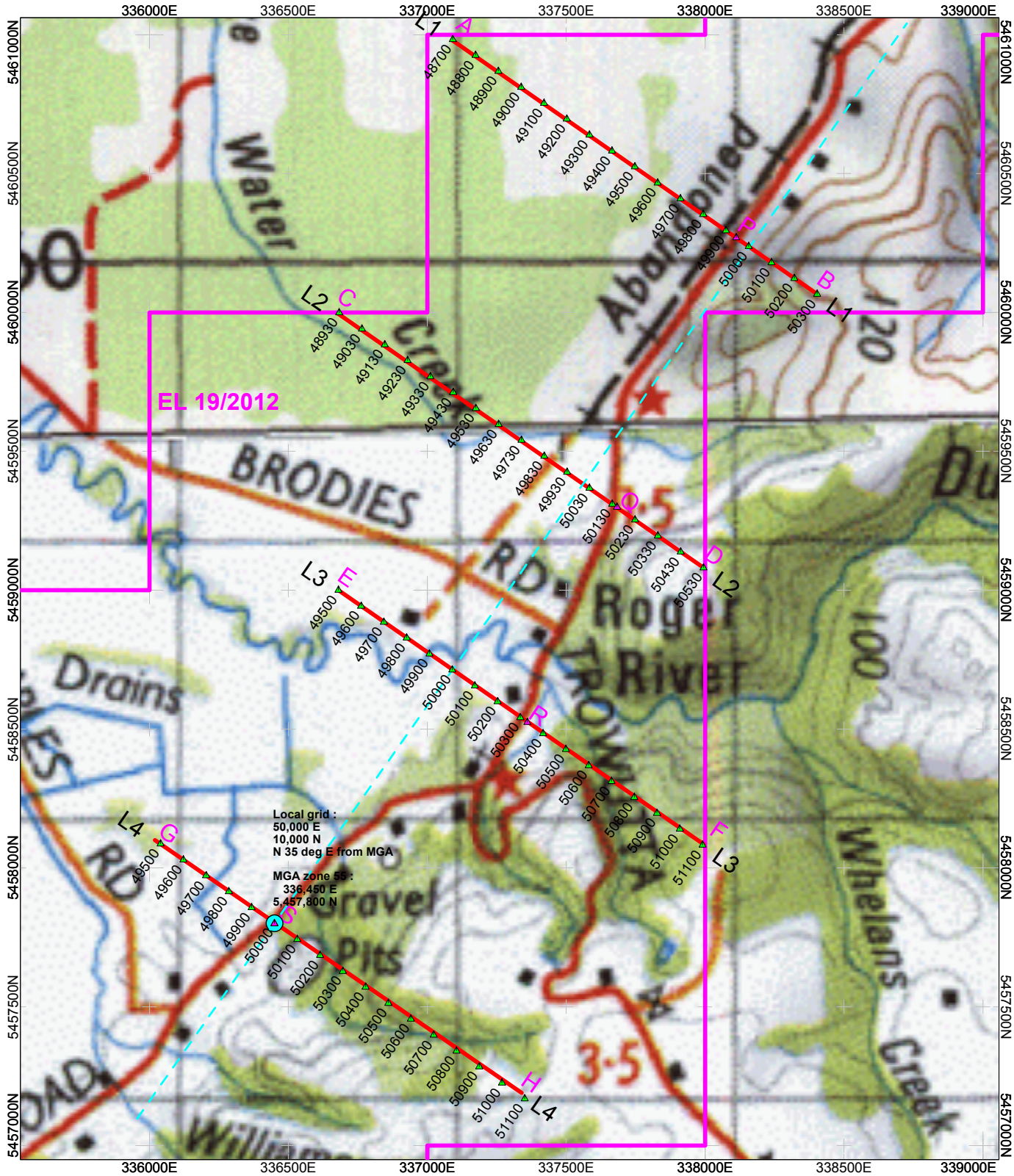
LEACHED CAP PTY LTD

EL 19/2012 - Roger River

Dipole-dipole IP survey

Line locations and coordinate systems

Author: PM | Date: Jan 2015



label	E mga	N mga	line
A	337,090	5,460,980	L1 = 13,000N
P	338,115	5,460,265	
B	338,405	5,460,065	
C	336,680	5,459,995	L2 = 11,950N
Q	337,680	5,459,300	
D	337,995	5,459,080	
E	336,680	5,459,000	L3 = 11,100N
R	337,360	5,458,525	
F	337,995	5,458,085	
G	336,020	5,458,100	L4 = 10,000N
S	336,450	5,457,800	
H	337,340	5,457,190	

(coordinates are approximate)

IP electrodes

road crossing points

1 : 20,000 when printed to scale

250 0 250 500

(meters)

GDA94 / MGA zone 55

LEACHED CAP PTY LTD

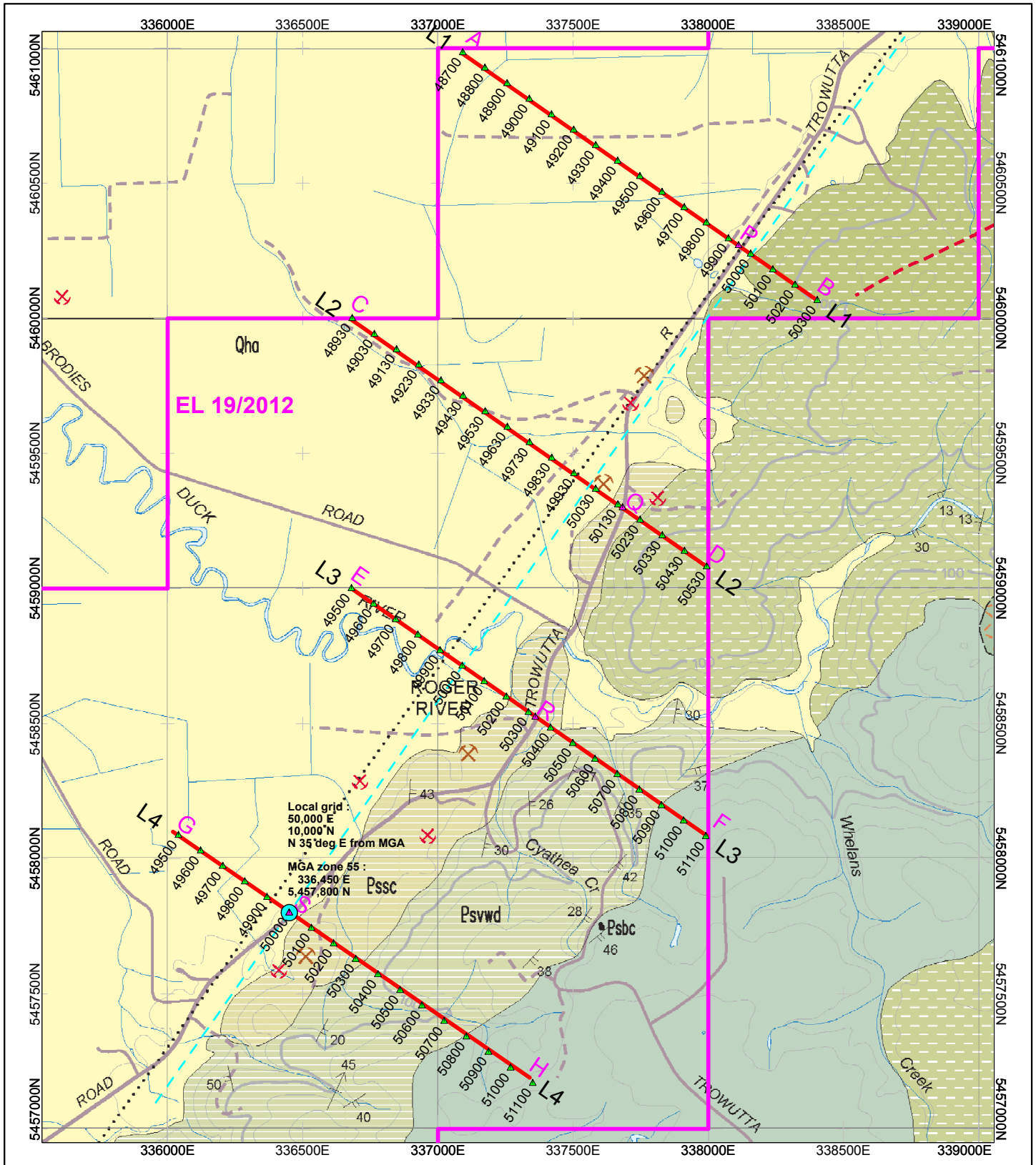
EL 19/2012 - Roger River

Dipole-dipole IP survey

Line locations and coordinate systems

Author: PM | Date: Jan 2015

Figure 3



label	E mga	N mga	line
A	337,090	5,460,980	L1 = 13,000N
P	338,115	5,460,265	
B	338,405	5,460,065	
C	336,680	5,459,995	L2 = 11,950N
Q	337,680	5,459,300	
D	337,995	5,459,080	
E	336,680	5,459,000	L3 = 11,100N
R	337,360	5,458,525	
F	337,995	5,458,085	
G	336,020	5,458,100	L4 = 10,000N
S	336,450	5,457,800	
H	337,340	5,457,190	

(coordinates are approximate)

IP electrodes

road crossing points

1 : 20,000 when printed to scale

250 0 250 500

(meters)

GDA94 / MGA zone 55

Figure 4

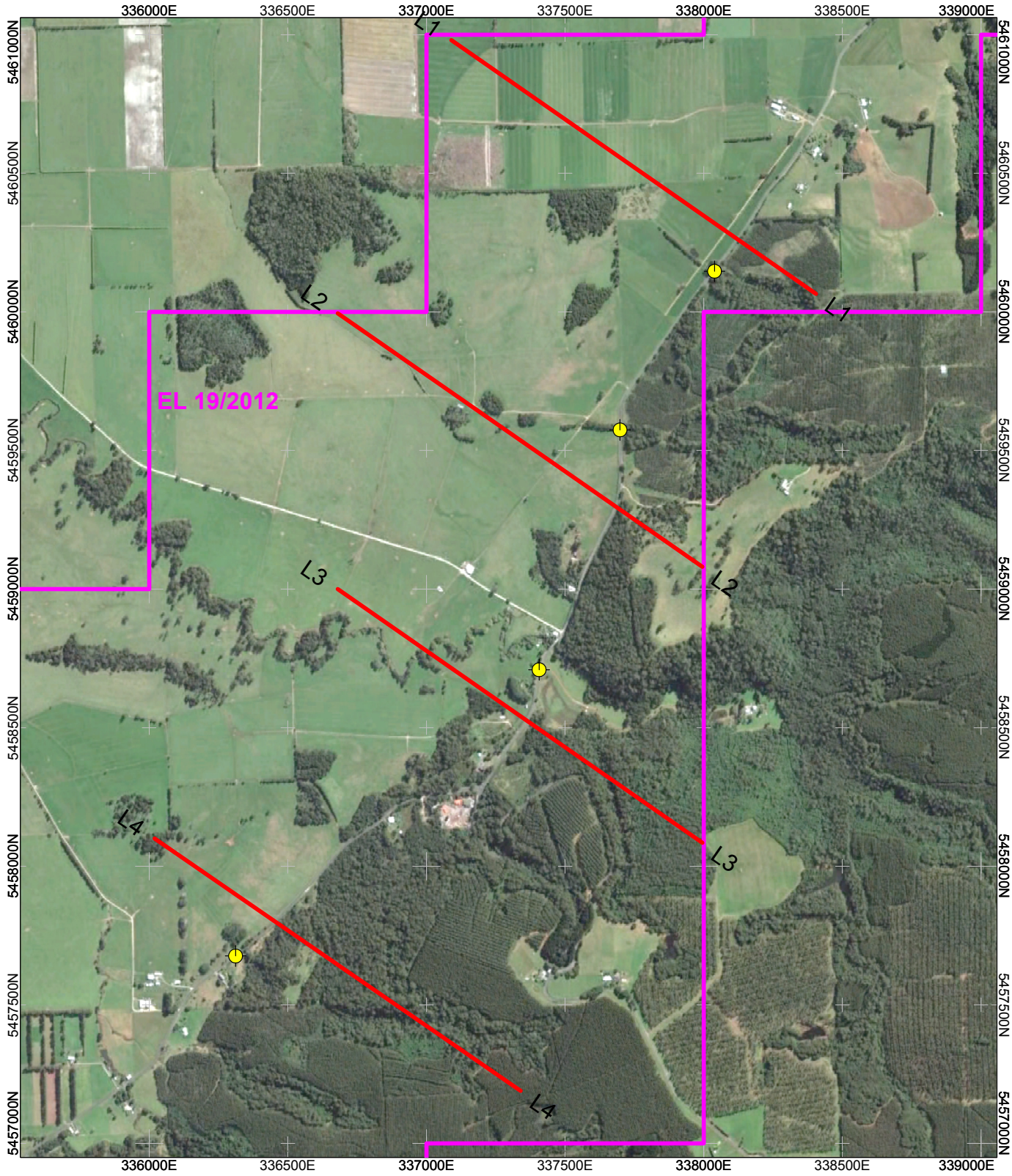
LEACHED CAP PTY LTD

EL 19/2012 - Roger River

Dipole-dipole IP survey

Line locations and coordinate systems

Author: PM | Date: Jan 2015



1 : 20,000 when printed to scale

250 0 250 500

(meters)

GDA94 / MGA zone 55

IP lines

culverts on main road used for running transmitter and receiver wires

LEACHED CAP PTY LTD

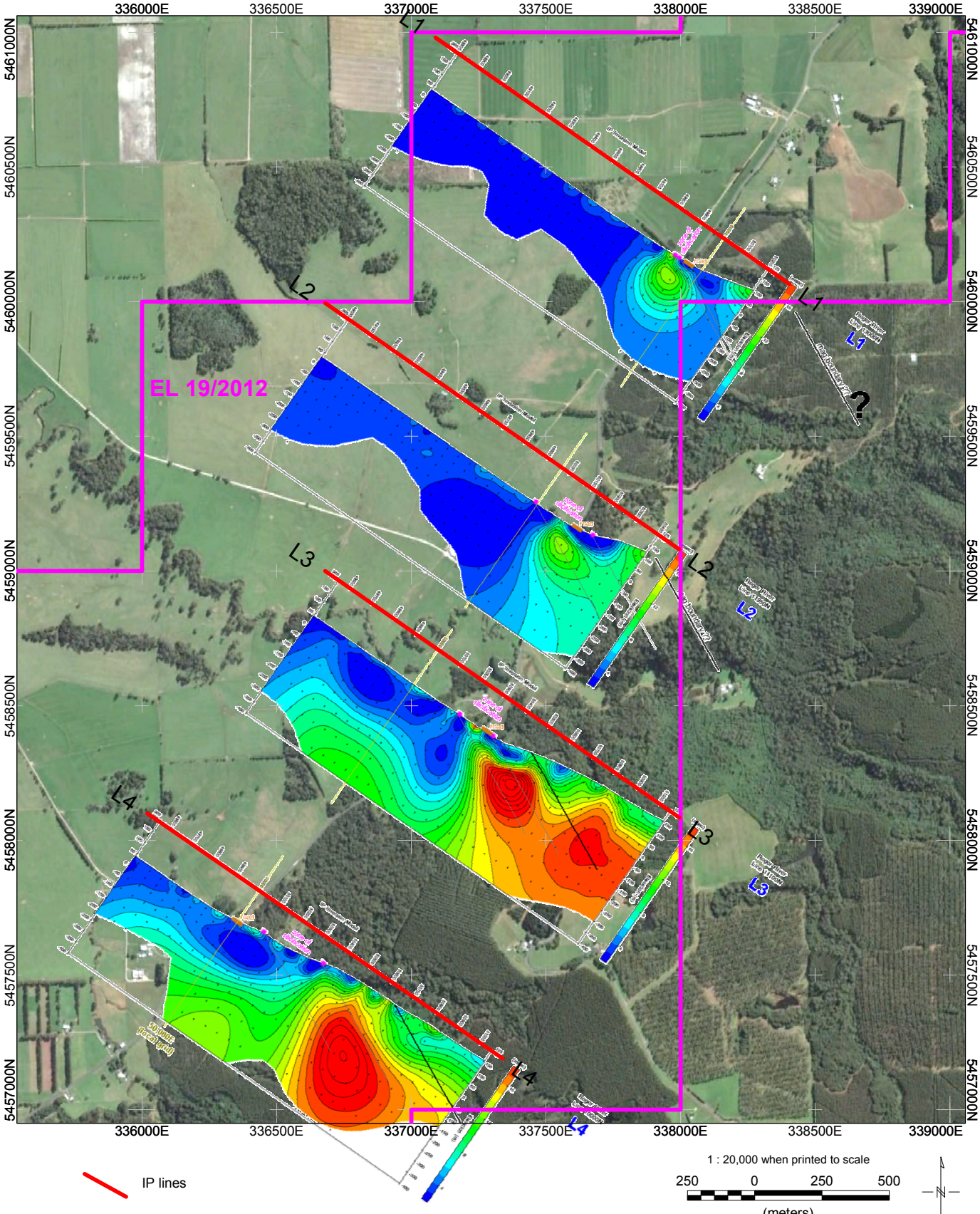
EL 19/2012 - Roger River

Dipole-dipole IP survey

Locations of culverts used under Trowutta and Roger River Roads

Author: PM	Date: Jan 2015

Figure 5



IP lines

For display purposes the coloured model sections have been rotated from vertically below the red location lines into the plane of the map.

1 : 20,000 when printed to scale

250 0 250 500

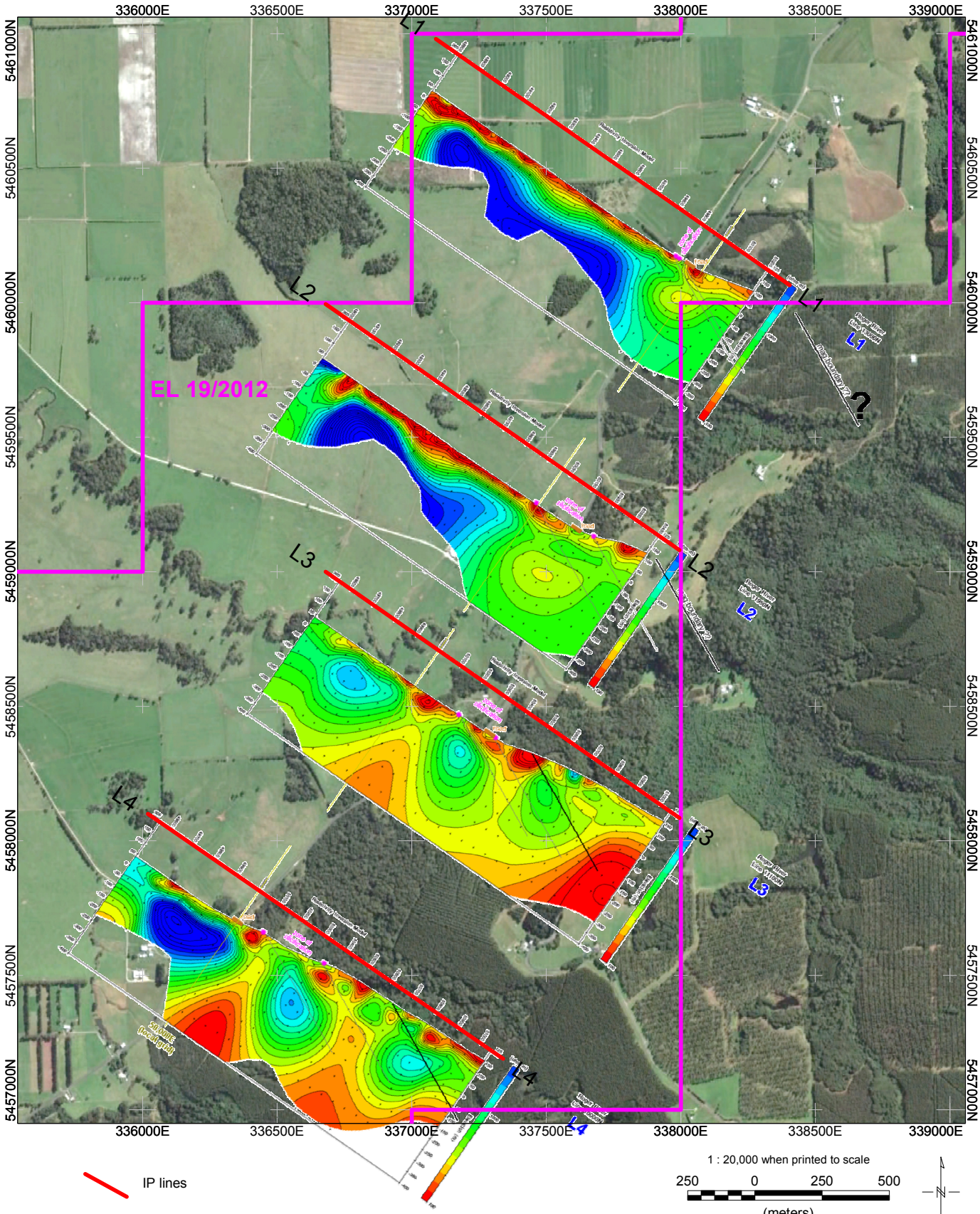
(meters)

GDA94 / MGA zone 55

N

LEACHED CAP PTY LTD	
EL 19/2012 - Roger River Dipole-dipole IP survey **Vertical Model Sections** **Chargeability (IP Response)**	
Author: PM	Date: Jan 2015

Figure 6



IP lines

For display purposes the coloured model sections have been rotated from vertically below the red location lines into the plane of the map.

1 : 20,000 when printed to scale

250 0 250 500

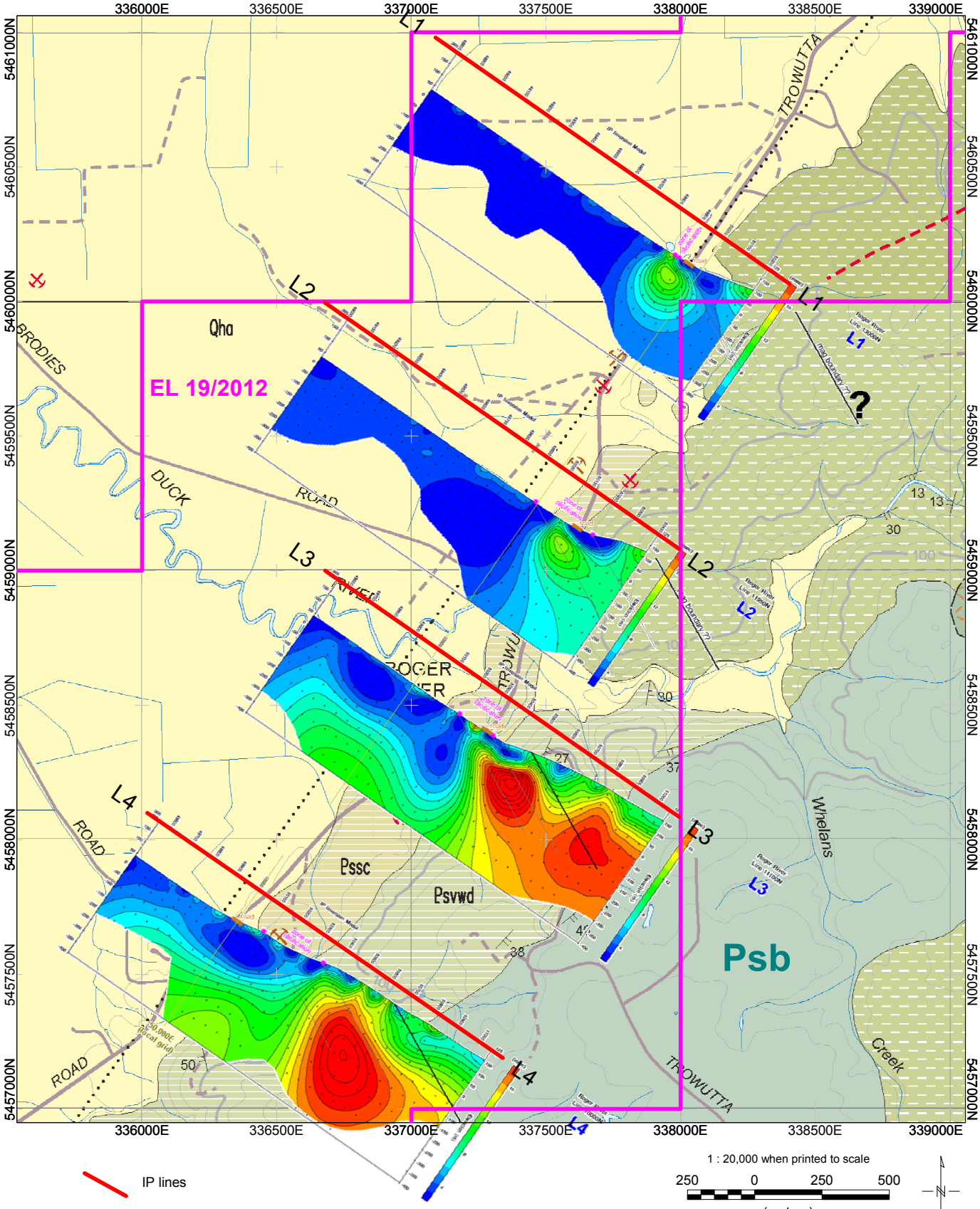
(meters)

GDA94 / MGA zone 55

N

LEACHED CAP PTY LTD	
EL 19/2012 - Roger River Dipole-dipole IP survey **Vertical Model Sections** **Resistivity**	
Author: PM	Date: Jan 2015

Figure 7



IP lines

1 : 20,000 when printed to scale

250 0 250 500

(meters)

GDA94 / MGA zone 55

For display purposes the coloured model sections have been rotated from vertically below the red location lines into the plane of the map.

Psb Geological unit described in MRT 25k geology mapping as; Neoproterozoic massive basalt (Spinks Creeek Volcanics). - refer to text for discussion

Geological mapping reference;
McCLENAGHAN, M.P., SEYMOUR, D.B., GREEN D.C. and BROWN A.V. (compilers) 1997. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3245. Roger. Mineral Resources Tasmania.

Figure 8

LEACHED CAP PTY LTD

EL 19/2012 - Roger River

Dipole-dipole IP survey

Vertical Model Sections

Chargeability (IP Response) on Geology

Author: PM	Date: Jan 2015

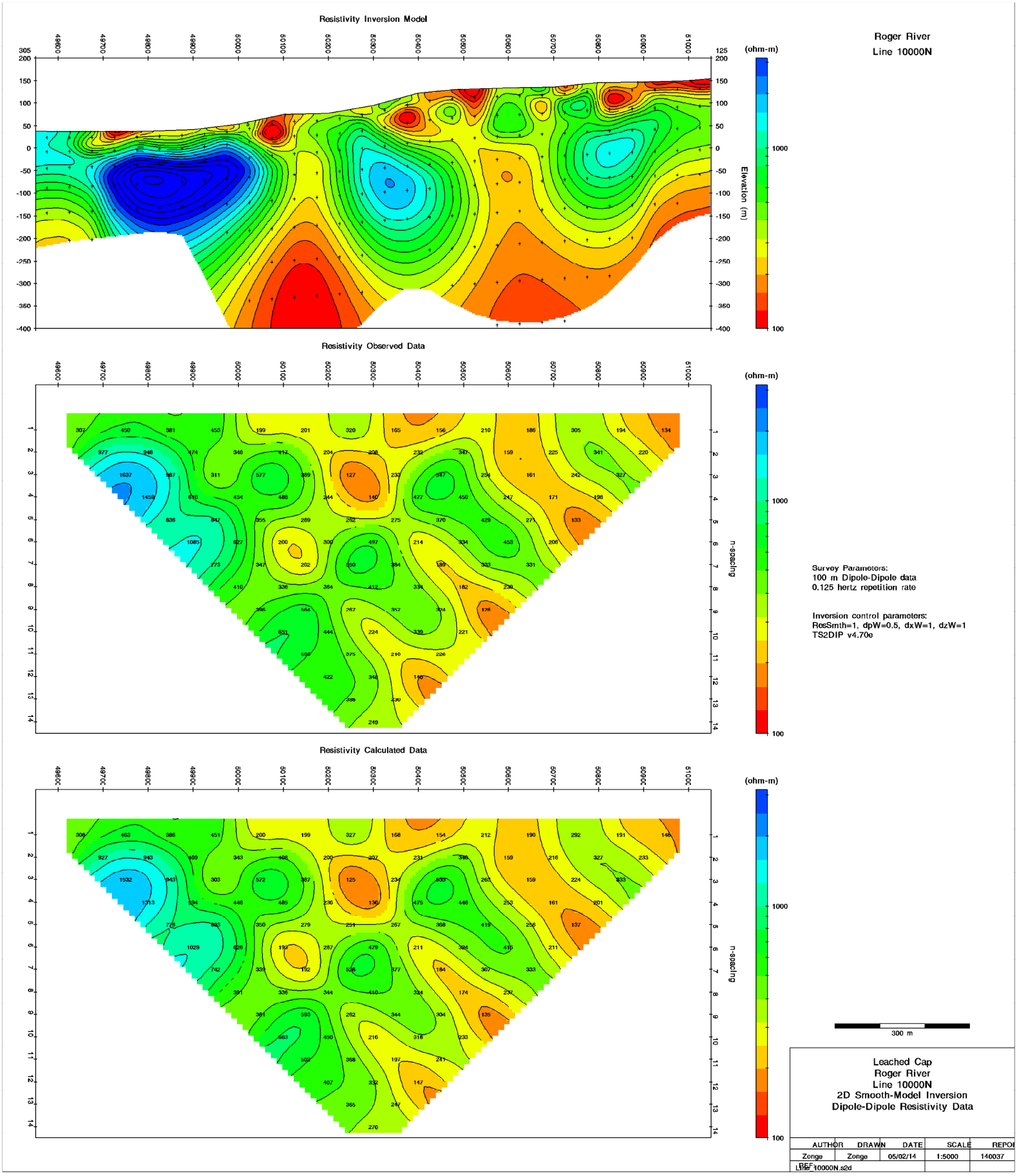

Resistivity Inversion Model
Roger River
Line 10000N
(ohm-m)
Elevation (m)
Resistivity Observed Data
n-spacing
Survey Parameters:
100 m Dipole-Dipole data
0.125 hertz repetition rate
Inversion control parameters:
ResSmth=1, dpW=0.5, dxW=1, dzW=1
TS2DIP v4.70e
Resistivity Calculated Data
300 m
Leached Cap
Roger River
Line 10000N
2D Smooth-Model Inversion
Dipole-Dipole Resistivity Data
AUTHOR
DRAWN
DATE
SCALE
Zonge
Zonge
05/02/14
1:5000
140037
Line_10000N.s2d

Figure 9

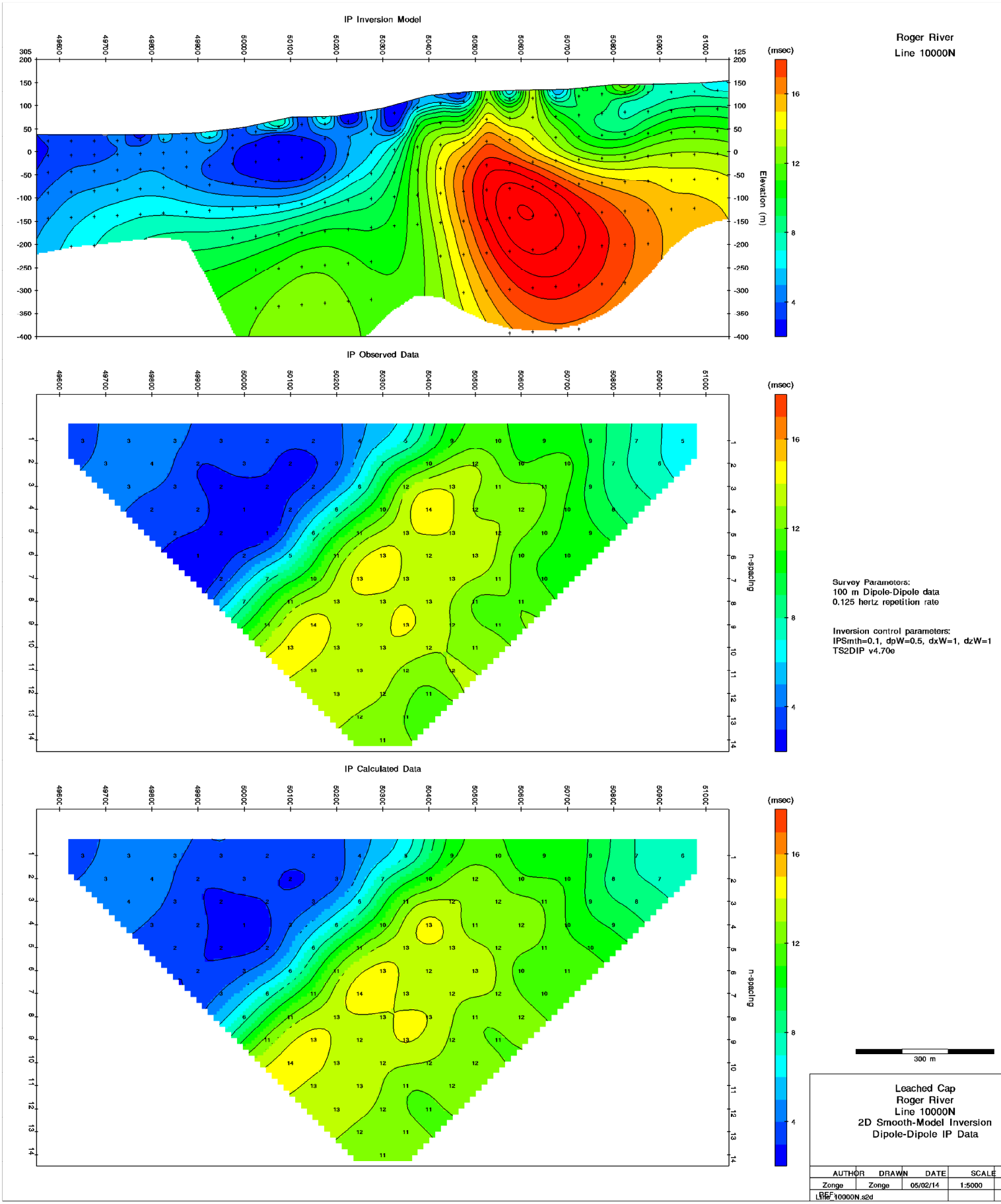

IP Inversion Model
IP Observed Data
IP Calculated Data
Roger River
Line 10000N
(msec)
Elevation (m)
n-spacing
Survey Parameters:
100 m Dipole-Dipole data
0.125 hertz repetition rate
Inversion control parameters:
IPSmth=0.1, dpW=0.5, dxW=1, dzW=1
TS2DIP v4.70e
300 m
Leached Cap
Roger River
Line 10000N
2D Smooth-Model Inversion
Dipole-Dipole IP Data
AUTHOR
DRAWN
DATE
SCALE
REPOR
Zonge
Zonge
05/02/14
1:5000
140037
REF
Line_10000N.s2d

Figure 10

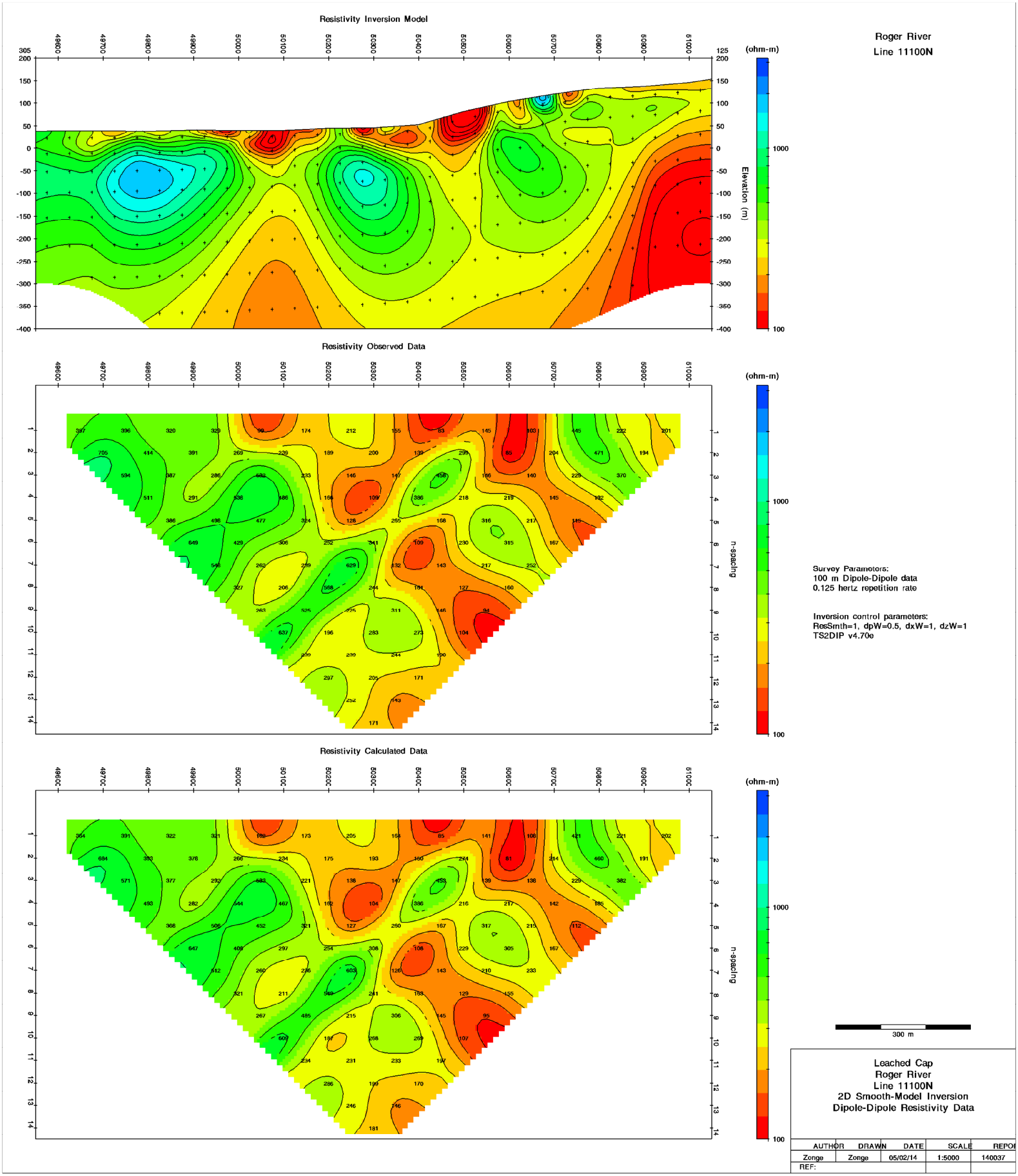

Resistivity Inversion Model
Roger River
Line 11100N
(ohm-m)
Elevation (m)
Resistivity Observed Data
(ohm-m)
n-spacing
Survey Parameters:
100 m Dipole-Dipole data
0.125 hertz repetition rate
Inversion control parameters:
ResSmth=1, dpW=0.5, dxW=1, dzW=1
TS2DIP v4.70e
Resistivity Calculated Data
(ohm-m)
n-spacing
300 m
Leached Cap
Roger River
Line 11100N
2D Smooth-Model Inversion
Dipole-Dipole Resistivity Data
AUTHOR DRAWN DATE SCALE REPOR
Zonge Zonge 05/02/14 1:5000 140037
REF:

Figure 11

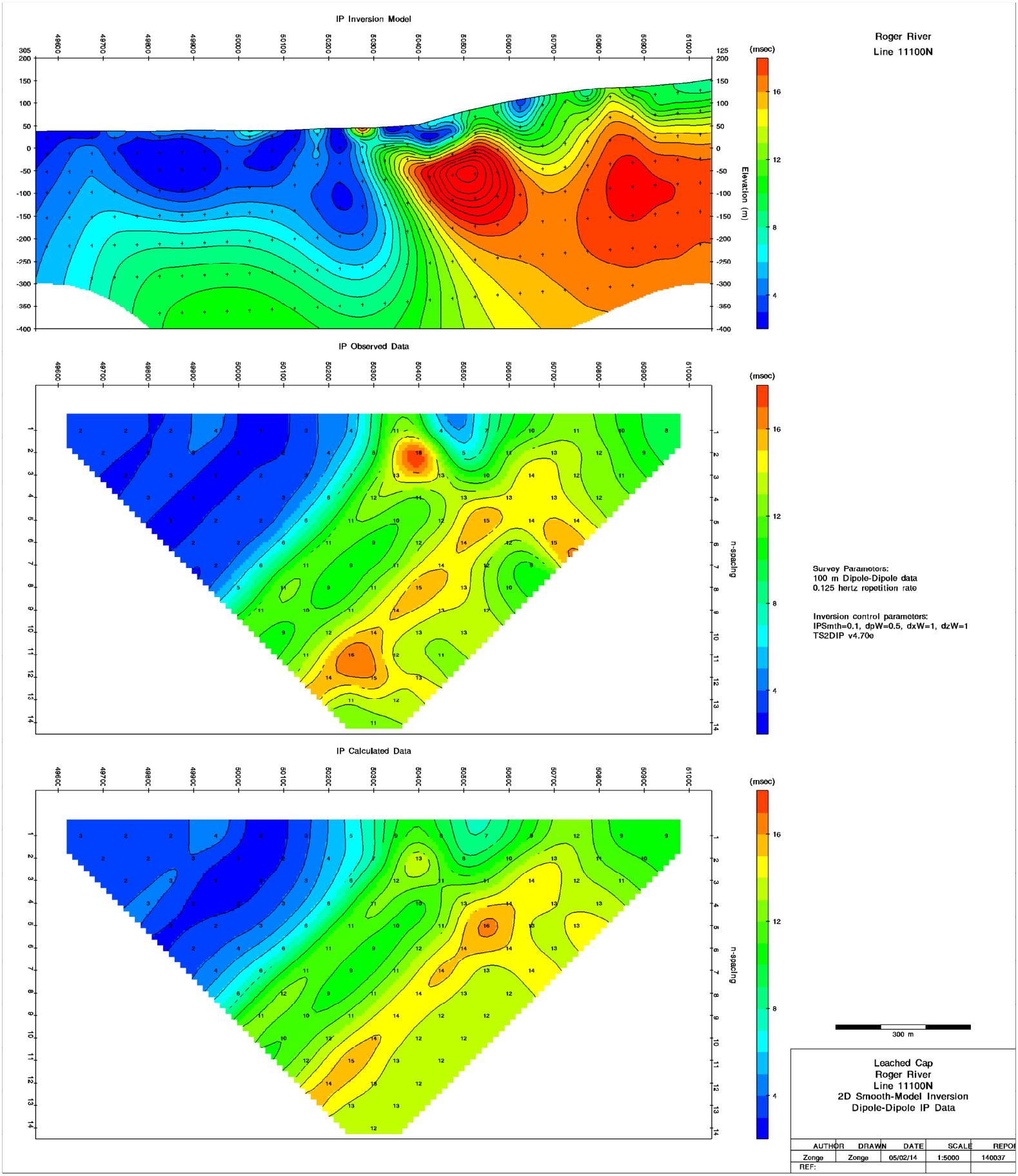

IP Inversion Model
Roger River
Line 11100N
(msec)
Elevation (m)
IP Observed Data
n-spacing
Survey Parameters:
100 m Dipole-Dipole data
0.125 hertz repetition rate
Inversion control parameters:
IPSmth=0.1, dpW=0.5, dxW=1, dzW=1
TS2DIP v4.70e
IP Calculated Data
300 m
Leached Cap
Roger River
Line 11100N
2D Smooth-Model Inversion
Dipole-Dipole IP Data
AUTHOR
DRAWN
DATE
SCALE
REPOR
Zonge
Zonge
05/02/14
1:5000
140037
REF:

Figure 12

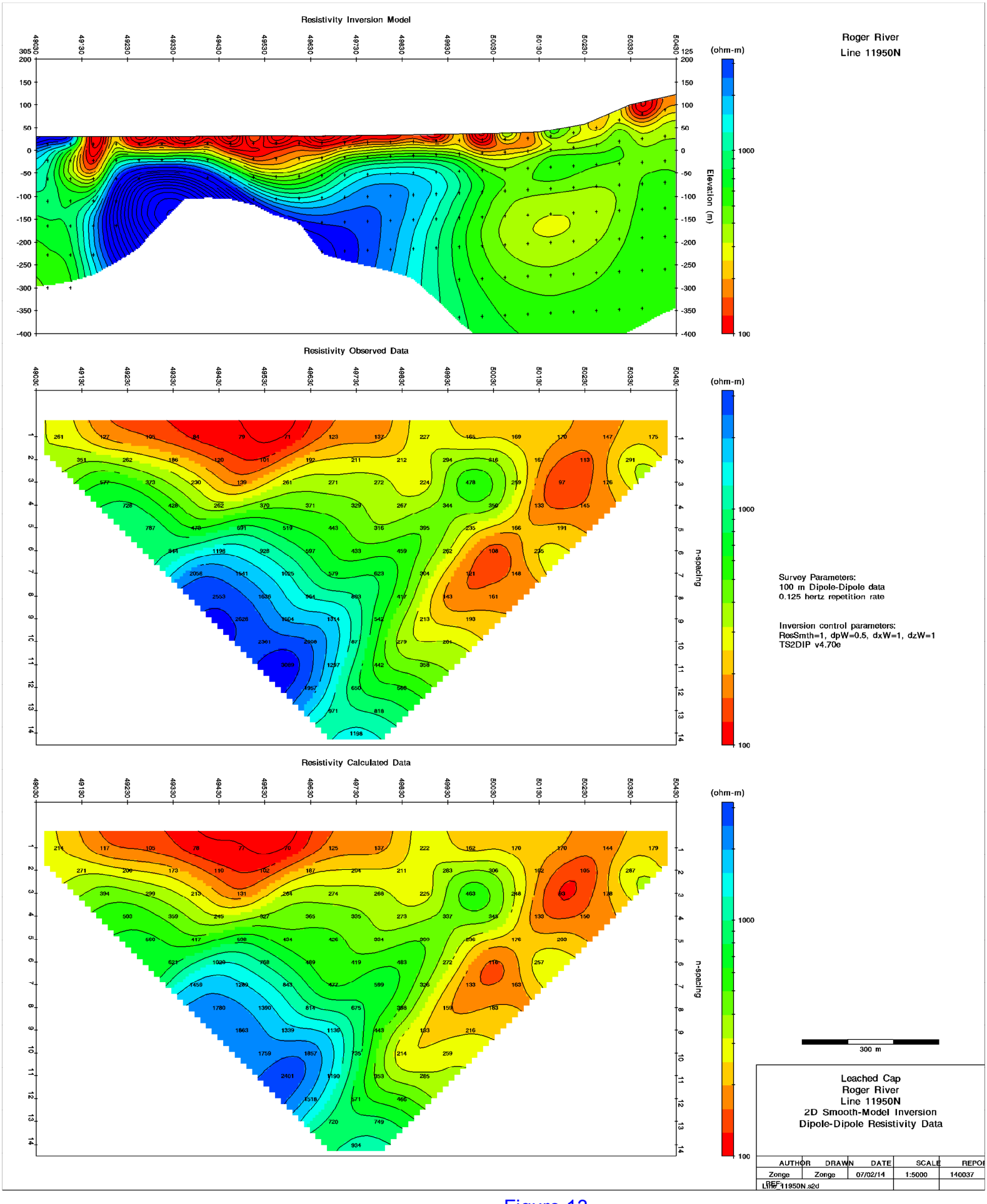

Resistivity Inversion Model
Roger River
Line 11950N
(ohm-m)
Elevation (m)
Resistivity Observed Data
n-spacing
Survey Parameters:
100 m Dipole-Dipole data
0.125 hertz repetition rate
Inversion control parameters:
ResSmth=1, dpW=0.5, dxW=1, dzW=1
TS2DIP v4.70e
Resistivity Calculated Data
300 m
Leached Cap
Roger River
Line 11950N
2D Smooth-Model Inversion
Dipole-Dipole Resistivity Data
AUTHOR DRAWN DATE SCALE REPOR
Zonge Zonge 07/02/14 1:5000 140037
REF
Line 11950N.s2d

Figure 13

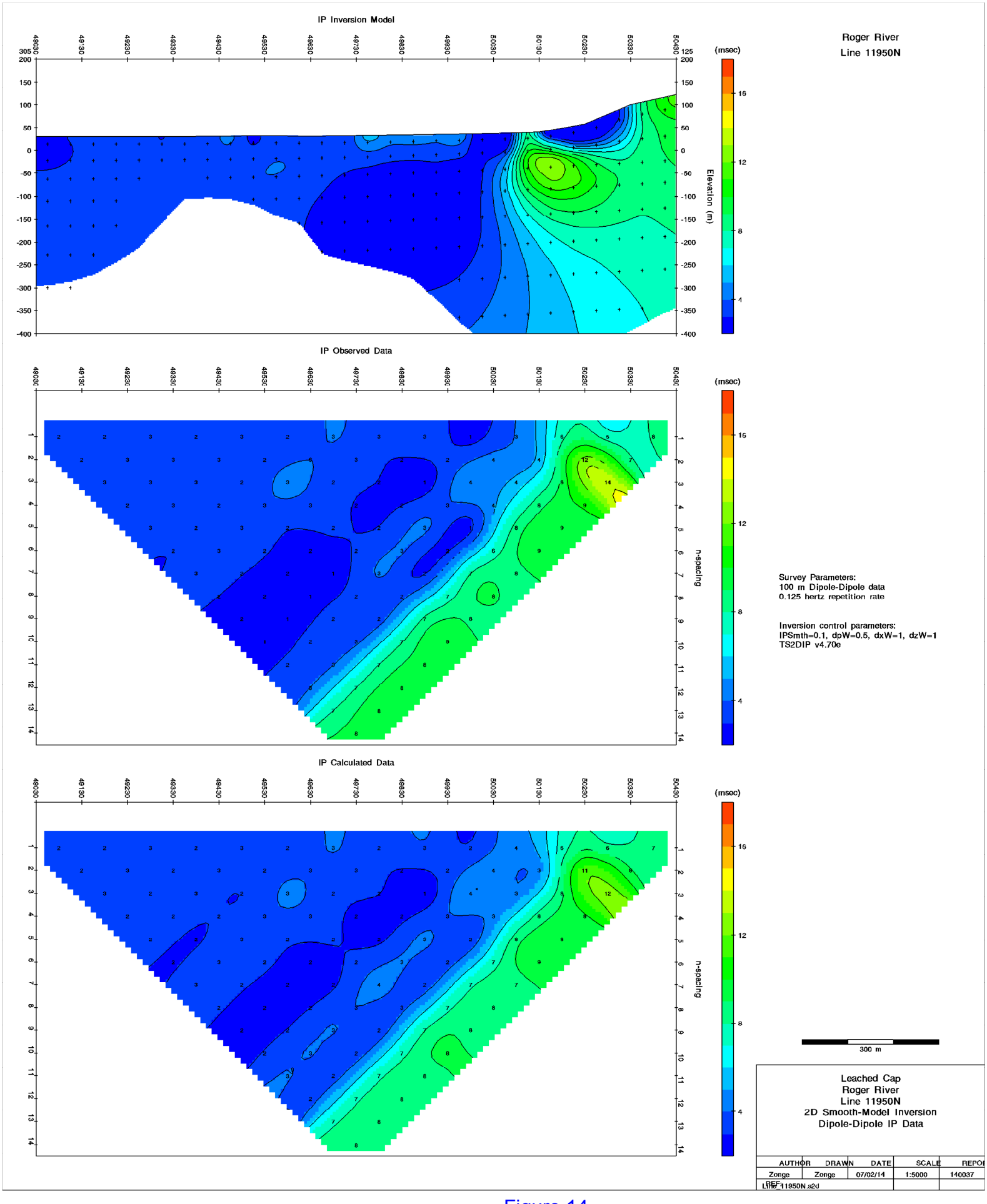

IP Inversion Model
IP Observed Data
IP Calculated Data
(msec)
Elevation (m)
n-spacing
Roger River
Line 11950N
Survey Parameters:
100 m Dipole-Dipole data
0.125 hertz repetition rate
Inversion control parameters:
IPSmth=0.1, dpW=0.5, dxW=1, dzW=1
TS2DIP v4.70e
300 m
Leached Cap
Roger River
Line 11950N
2D Smooth-Model Inversion
Dipole-Dipole IP Data
AUTHOR Zonge
DRAWN Zonge
DATE 07/02/14
SCALE 1:5000
REPOR 140037
REF Line 11950N.s2d

Figure 14

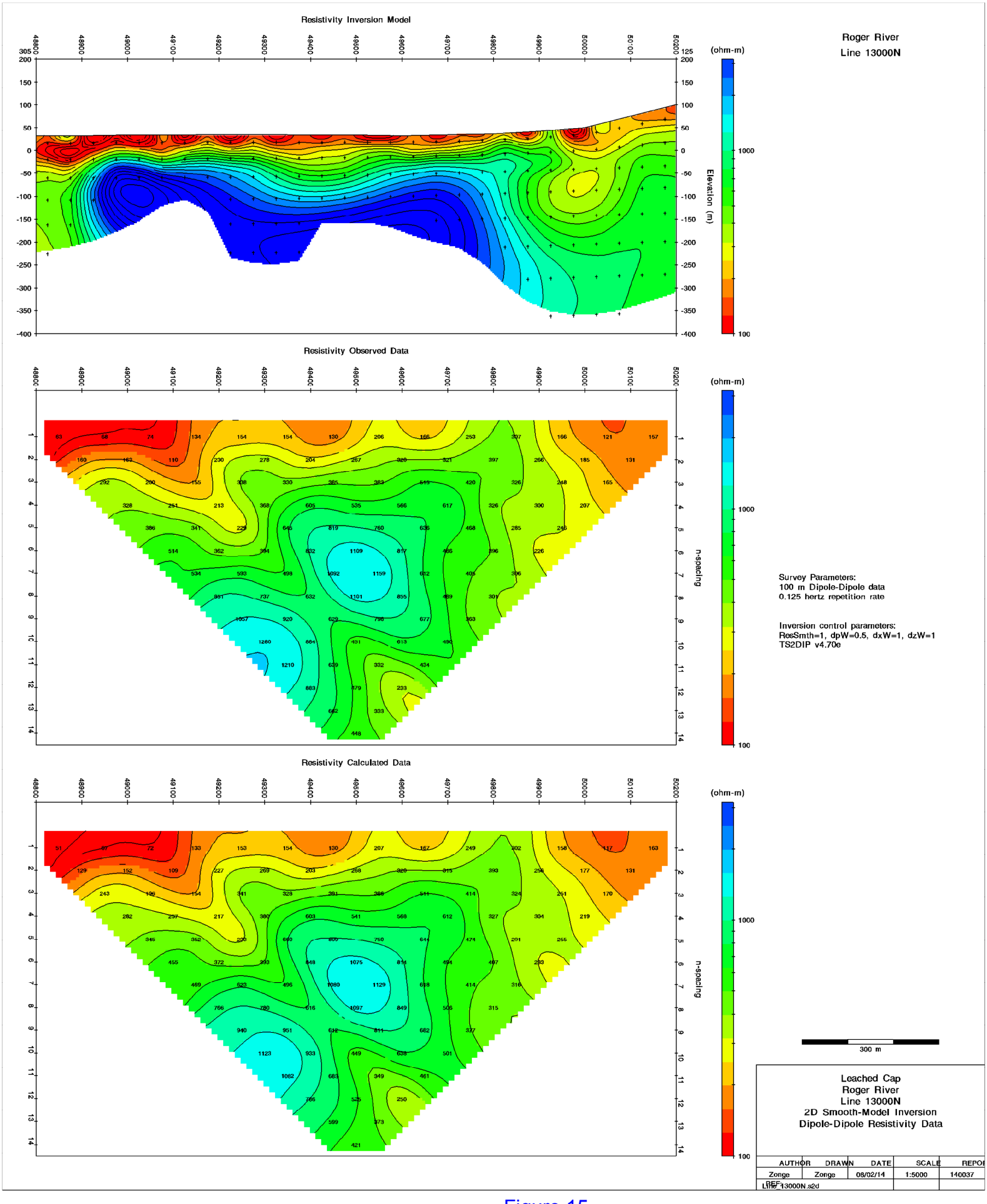

Resistivity Inversion Model
Roger River
Line 13000N
(ohm-m)
Elevation (m)
Resistivity Observed Data
n-spacing
Survey Parameters:
100 m Dipole-Dipole data
0.125 hertz repetition rate
Inversion control parameters:
ResSmth=1, dpW=0.5, dxW=1, dzW=1
TS2DIP v4.70e
Resistivity Calculated Data
300 m
Leached Cap
Roger River
Line 13000N
2D Smooth-Model Inversion
Dipole-Dipole Resistivity Data
AUTHOR Zonge
DRAWN Zonge
DATE 08/02/14
SCALE 1:5000
REPOR 140037
REF Line 13000N.s2d

Figure 15

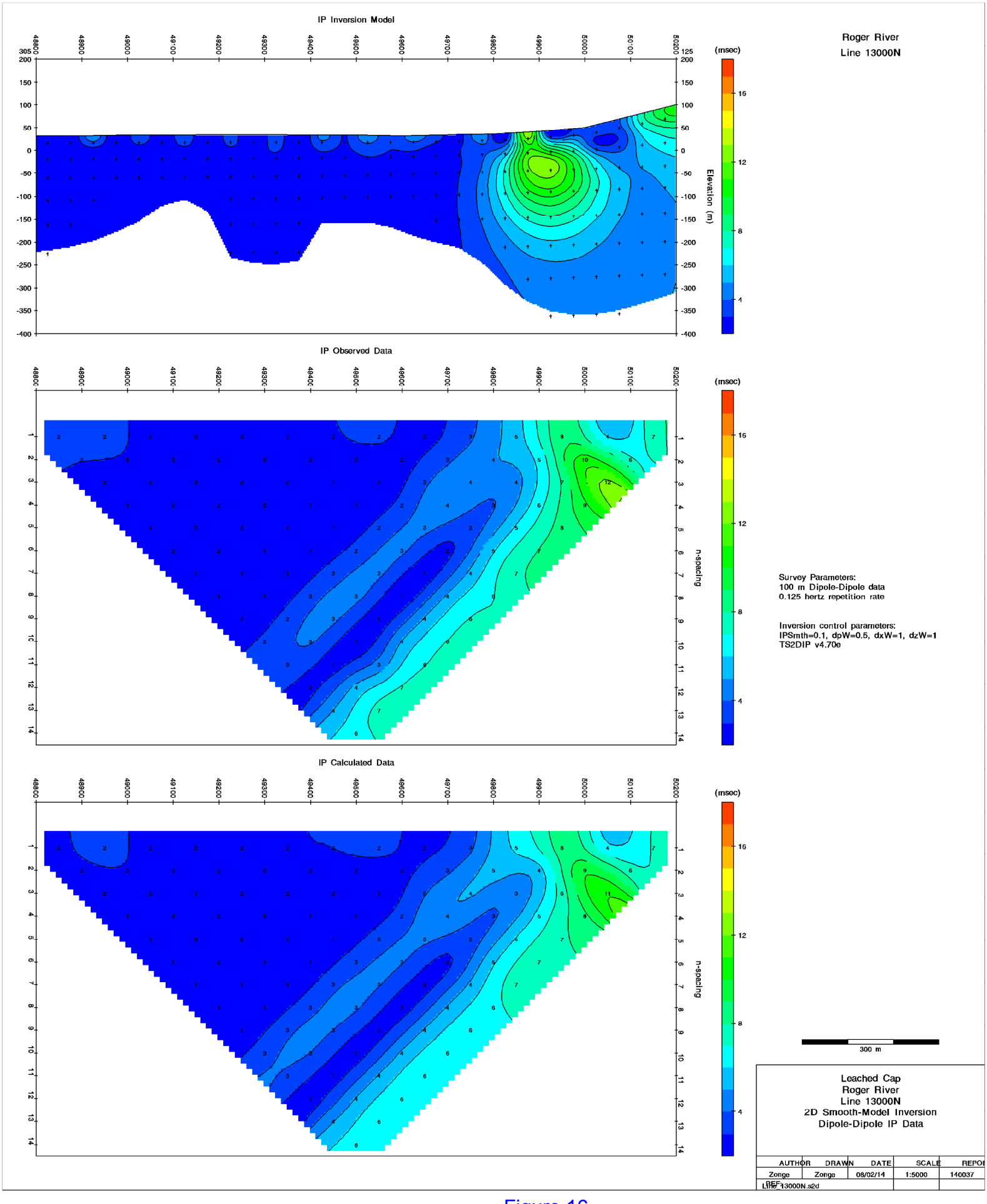

IP Inversion Model
IP Observed Data
IP Calculated Data
(msec)
Elevation (m)
n-spacing
Roger River
Line 13000N
Survey Parameters:
100 m Dipole-Dipole data
0.125 hertz repetition rate
Inversion control parameters:
IPSmth=0.1, dpW=0.5, dxW=1, dzW=1
TS2DIP v4.70e
300 m
Leached Cap
Roger River
Line 13000N
2D Smooth-Model Inversion
Dipole-Dipole IP Data
AUTHOR Zonge
DRAWN Zonge
DATE 08/02/14
SCALE 1:5000
REPOR 140037
REF Line13000N.s2d

Figure 16