

CORE EXPLORATION LTD

Jervois Project Review
John Caon
CAON GEOPHYSICS

Google Earth

JERVOIS RANGE

EL29581

Marshall-Reward

Green Parrot

Bellbird North

Bellbird

AREA 5

AREA 6

AREA 4

AREA 3

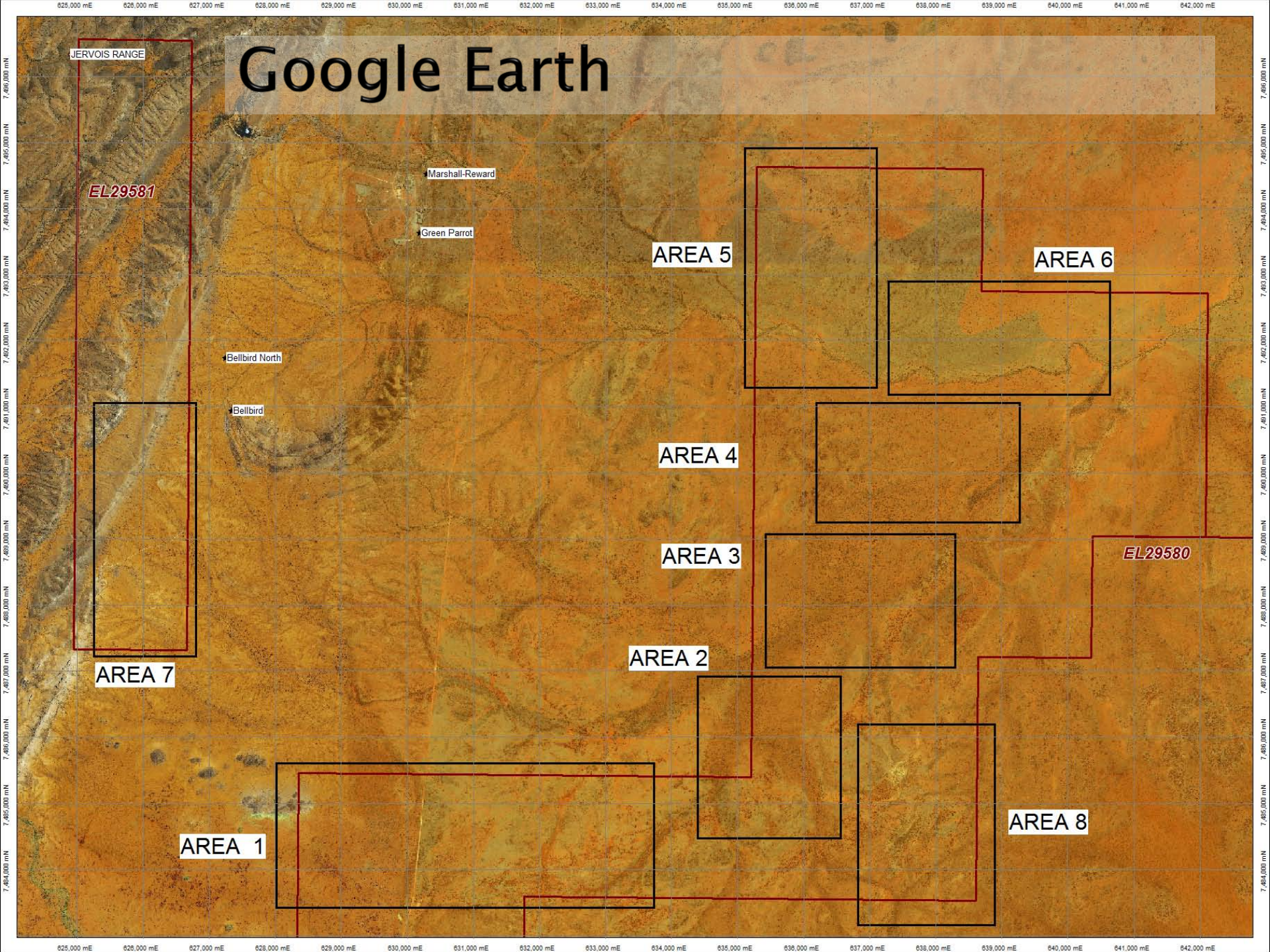
EL29580

AREA 7

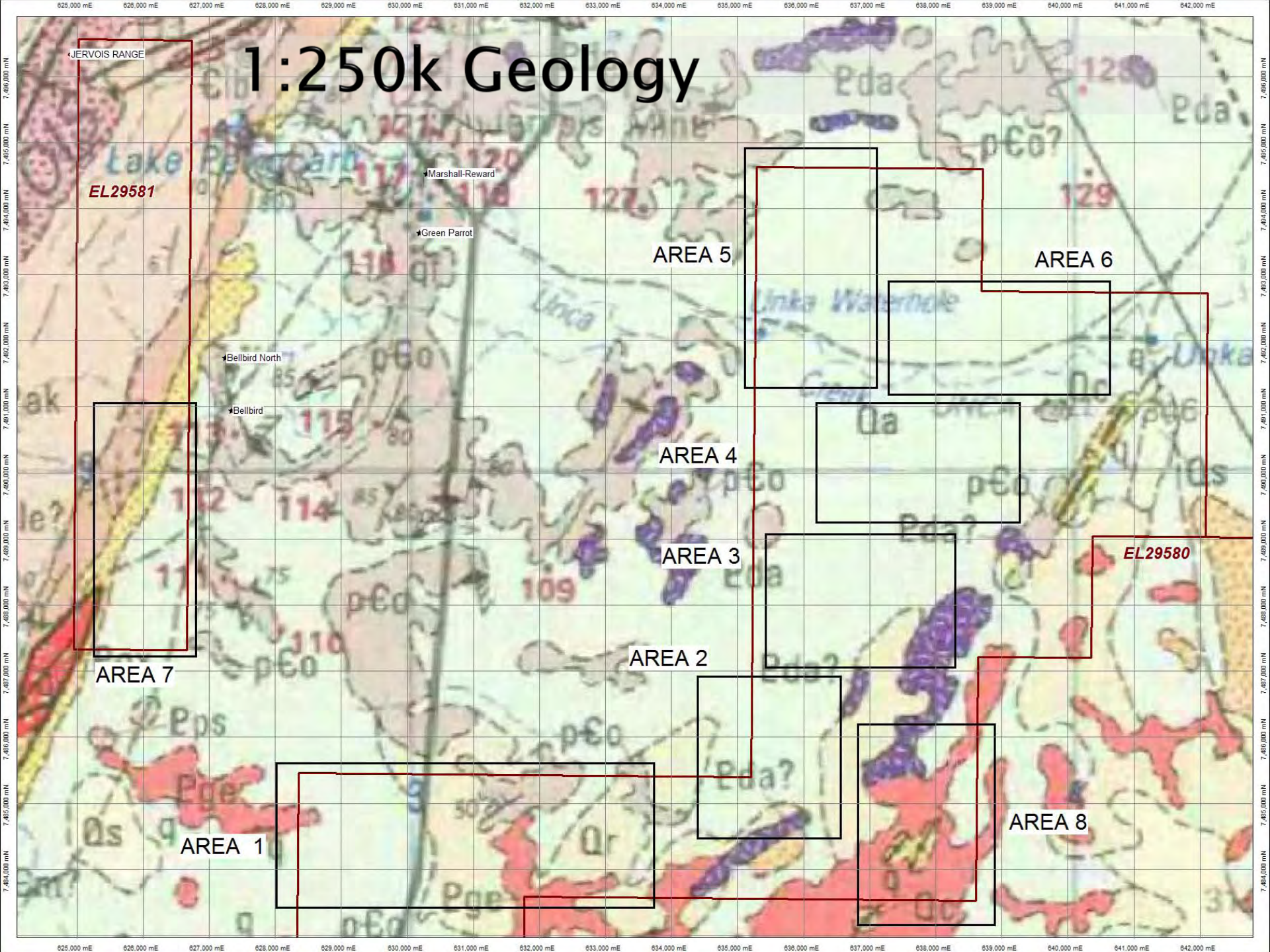
AREA 2

AREA 1

AREA 8



1:250k Geology



JERVOIS RANGE

EL29581

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AREA 5

AREA 6

AREA 4

AREA 3

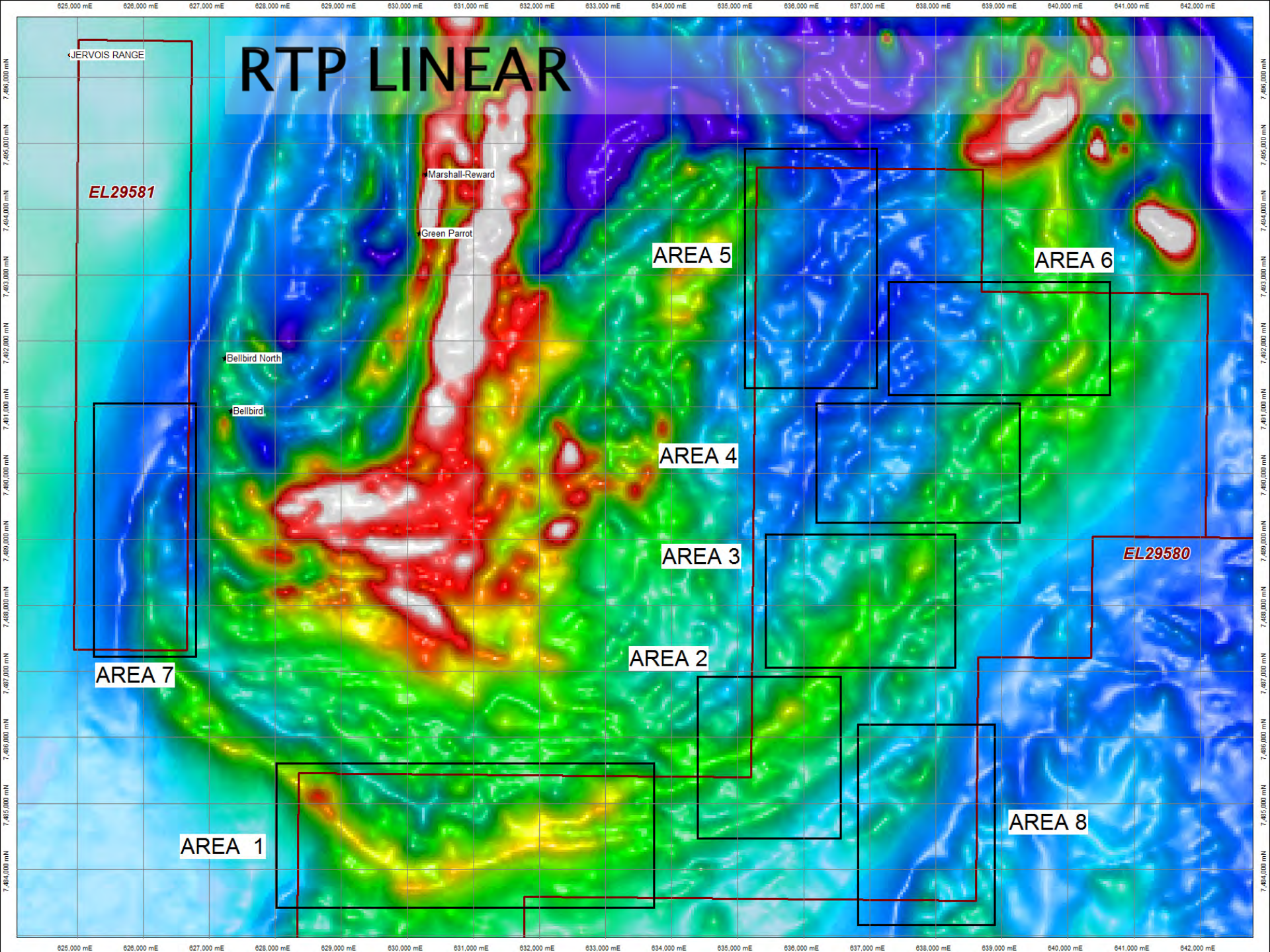
EL29580

AREA 2

AREA 7

AREA 1

AREA 8



RTP LINEAR

JERVOIS RANGE

EL29581

Marshall-Reward

Green Parrot

AREA 5

AREA 6

Bellbird North

Bellbird

AREA 4

AREA 3

EL29580

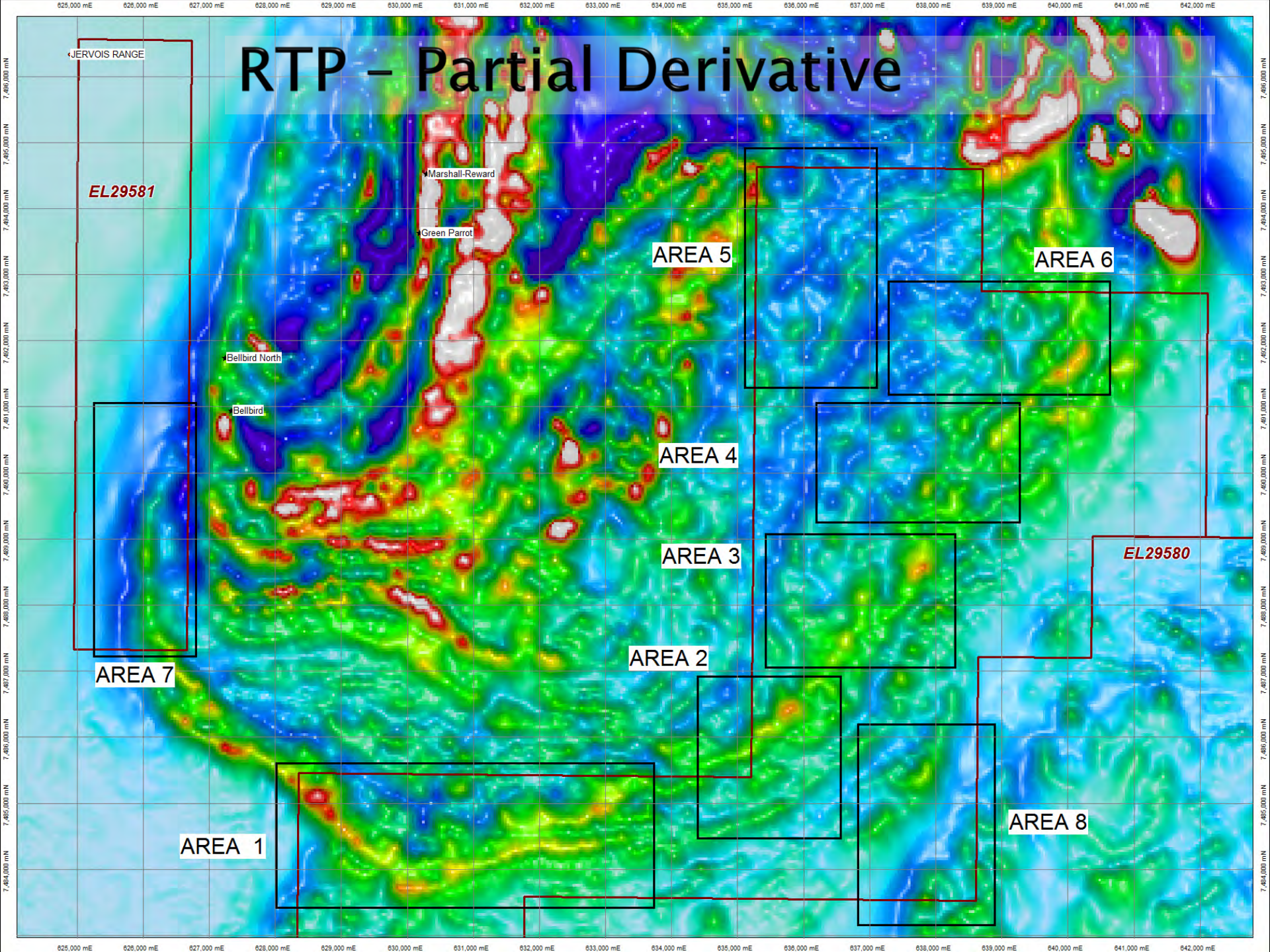
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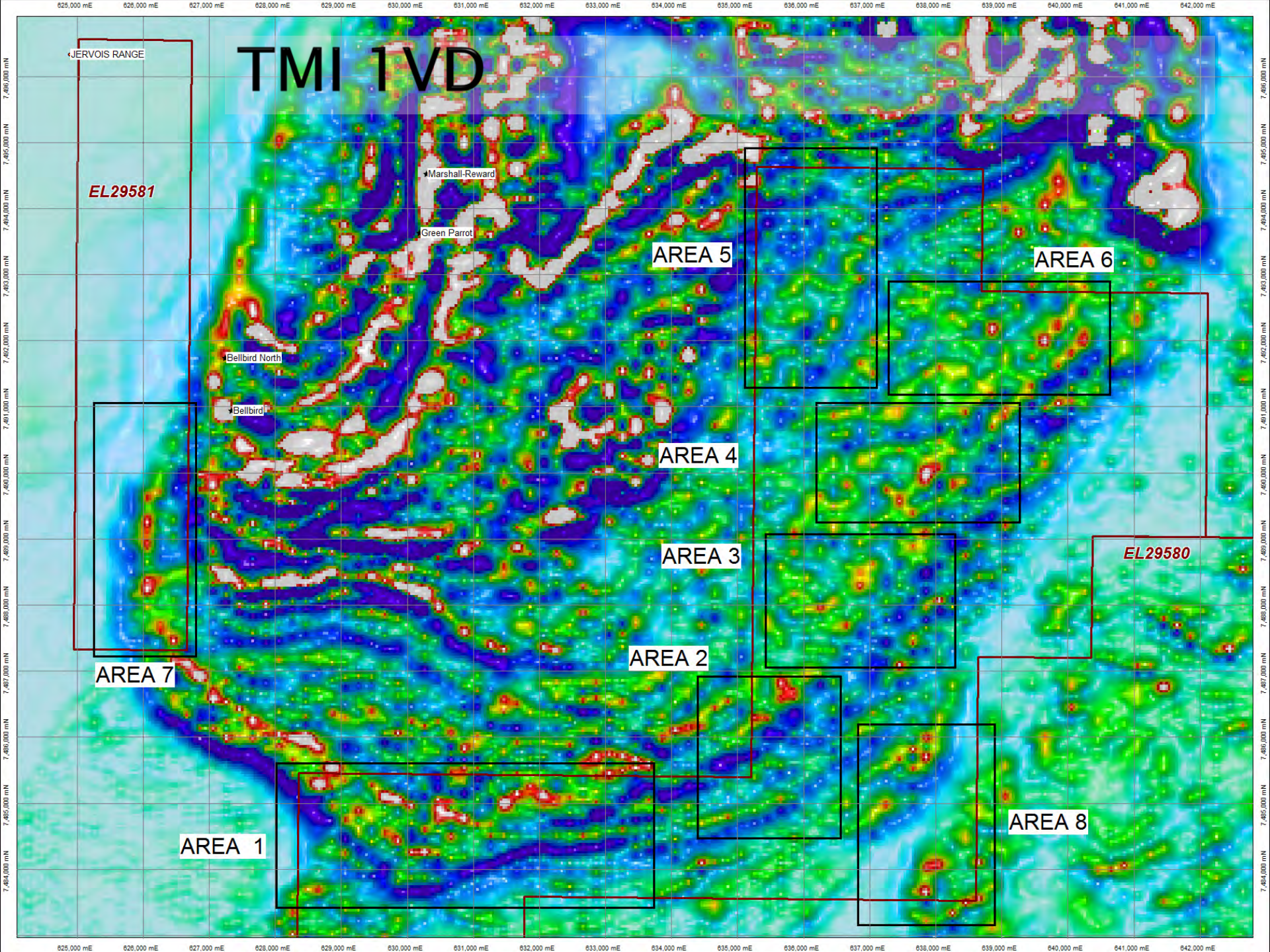
AREA 2

AREA 1

AREA 8

RTP - Partial Derivative





TMI TVD

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AREA 3

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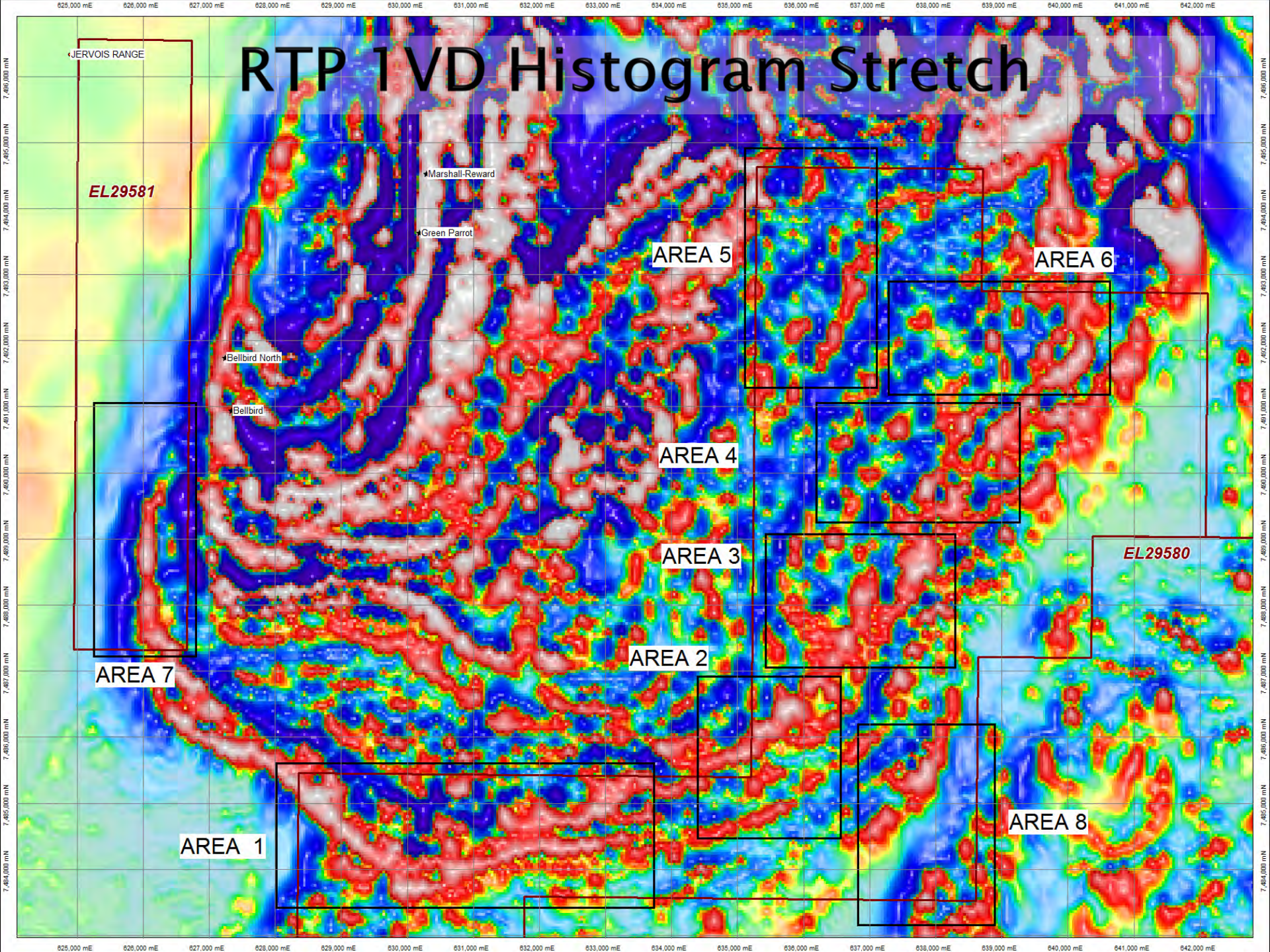
AREA 7

AREA 2

AREA 1

AREA 8

RTP 1VD Histogram Stretch



JERVOIS RANGE

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AREA 6

AREA 4

AREA 3

AREA 2

EL29580

AREA 1

AREA 8

RADS RGB K:Th:U Linear

JERVOIS RANGE

EL29581

▼ Marshall-Reward

▼ Green Parrot

▼ Bellbird North

▼ Bellbird

AREA 5

AREA 6

AREA 4

AREA 3

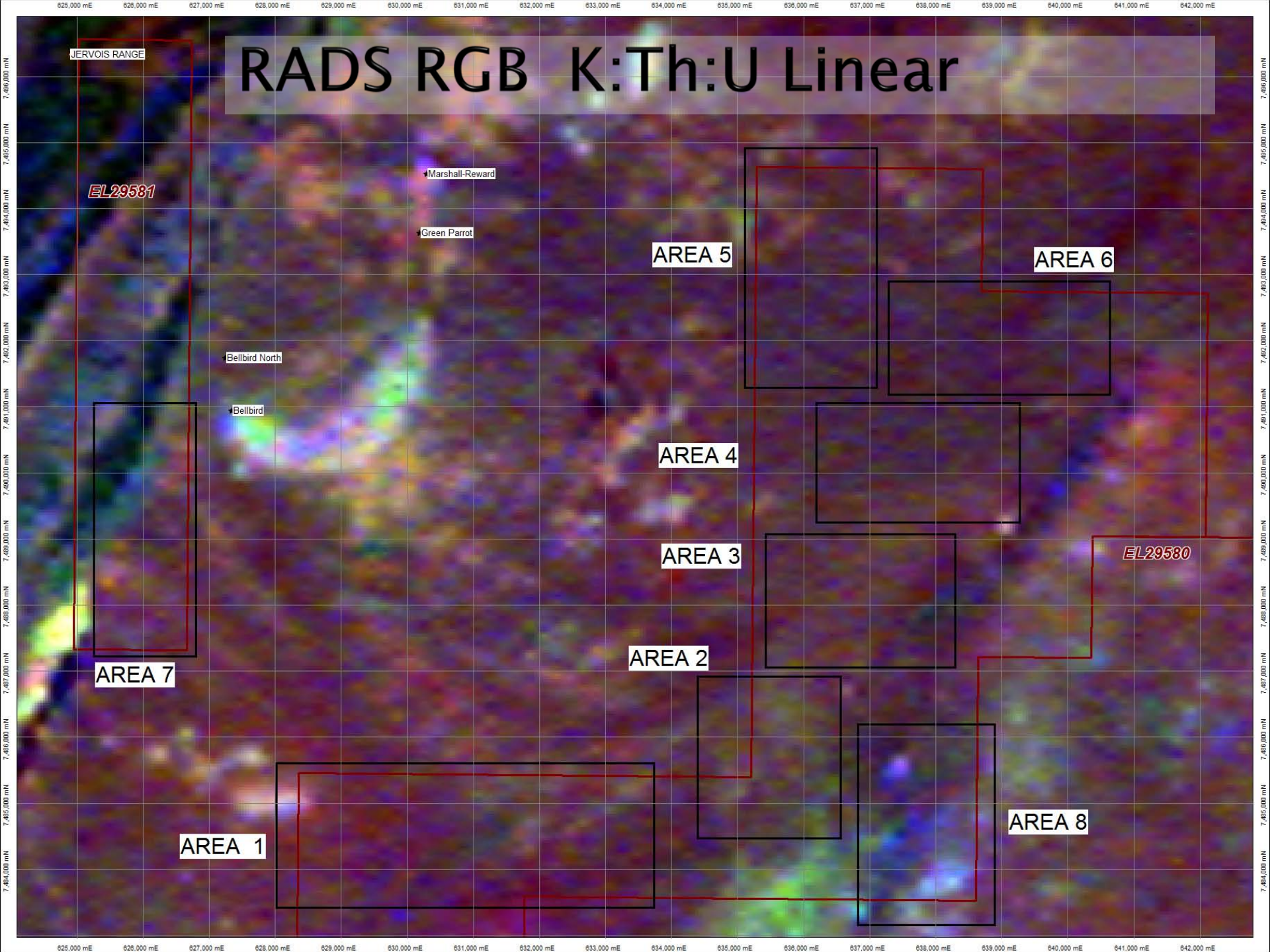
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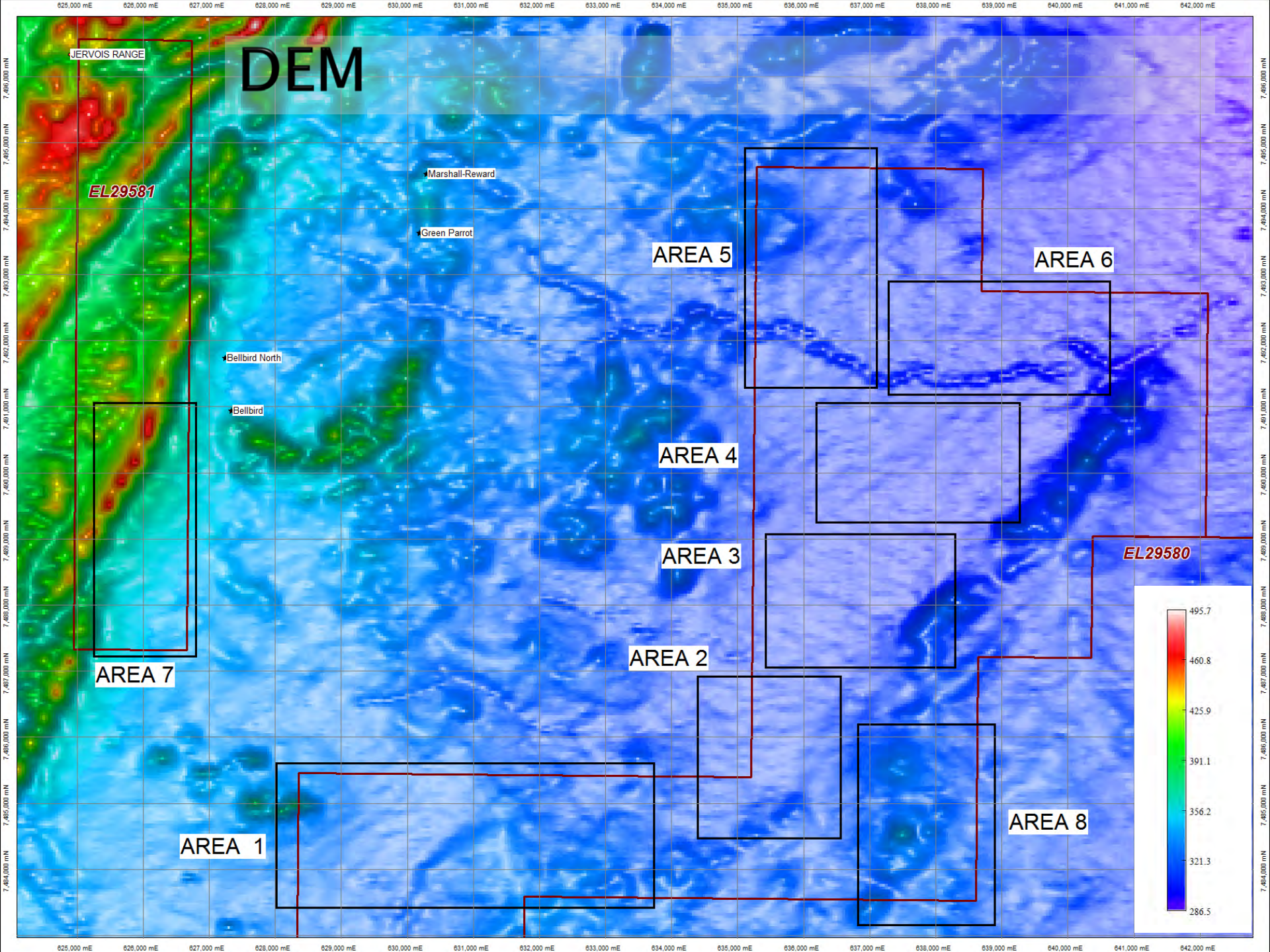
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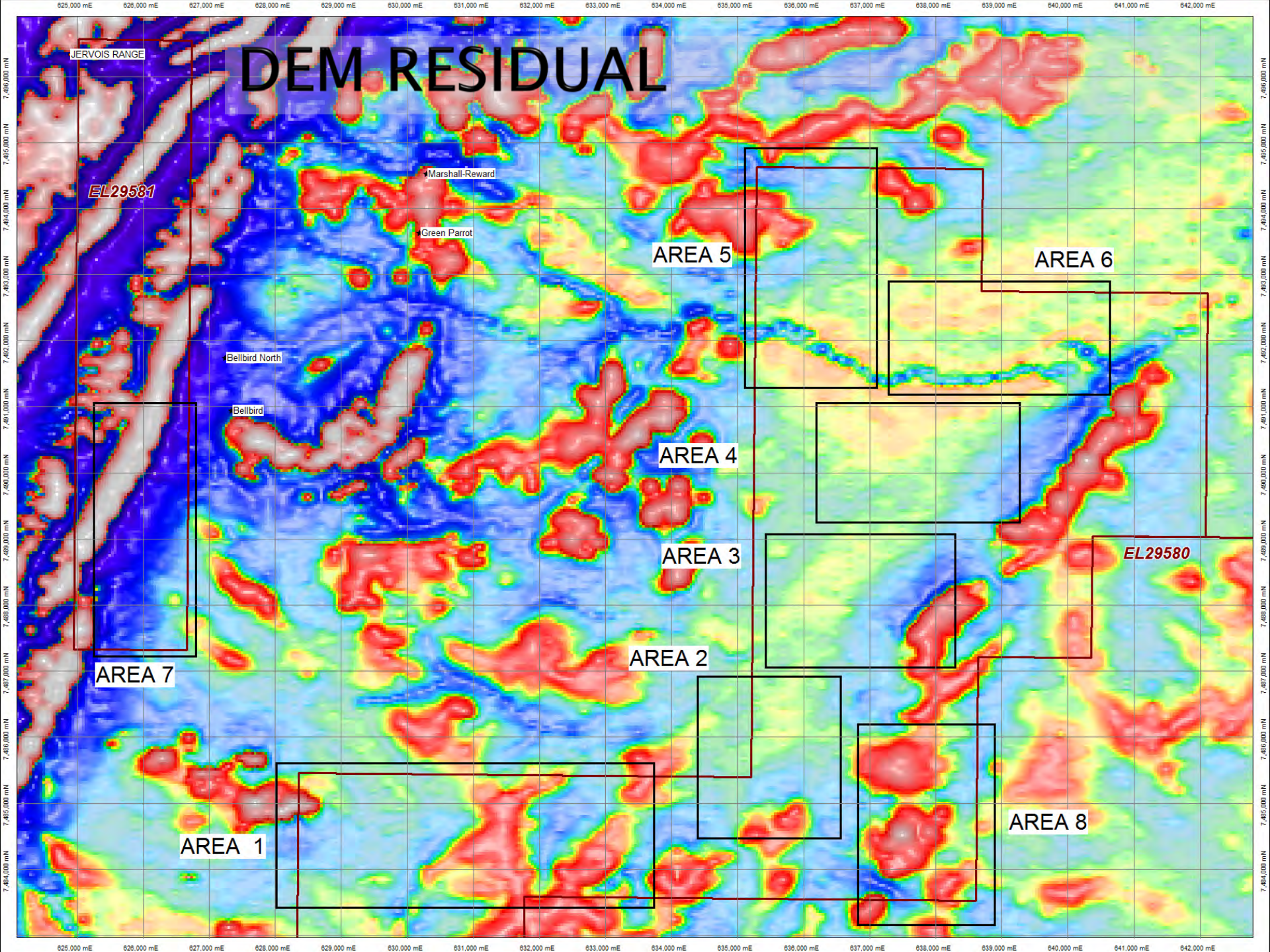
AREA 1

AREA 8





DEM RESIDUAL



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AREA 4

AREA 3

EL29580

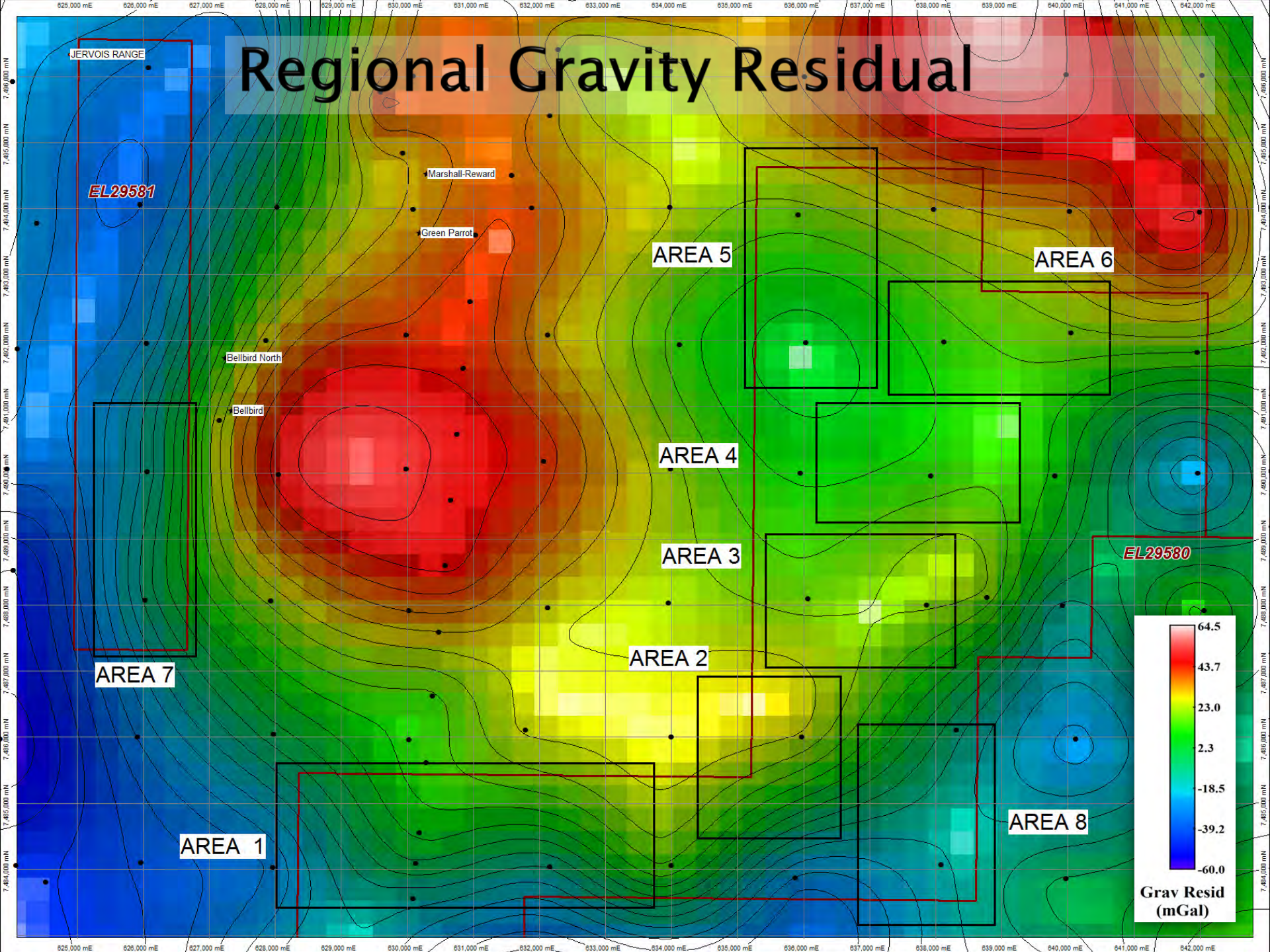
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AREA 2

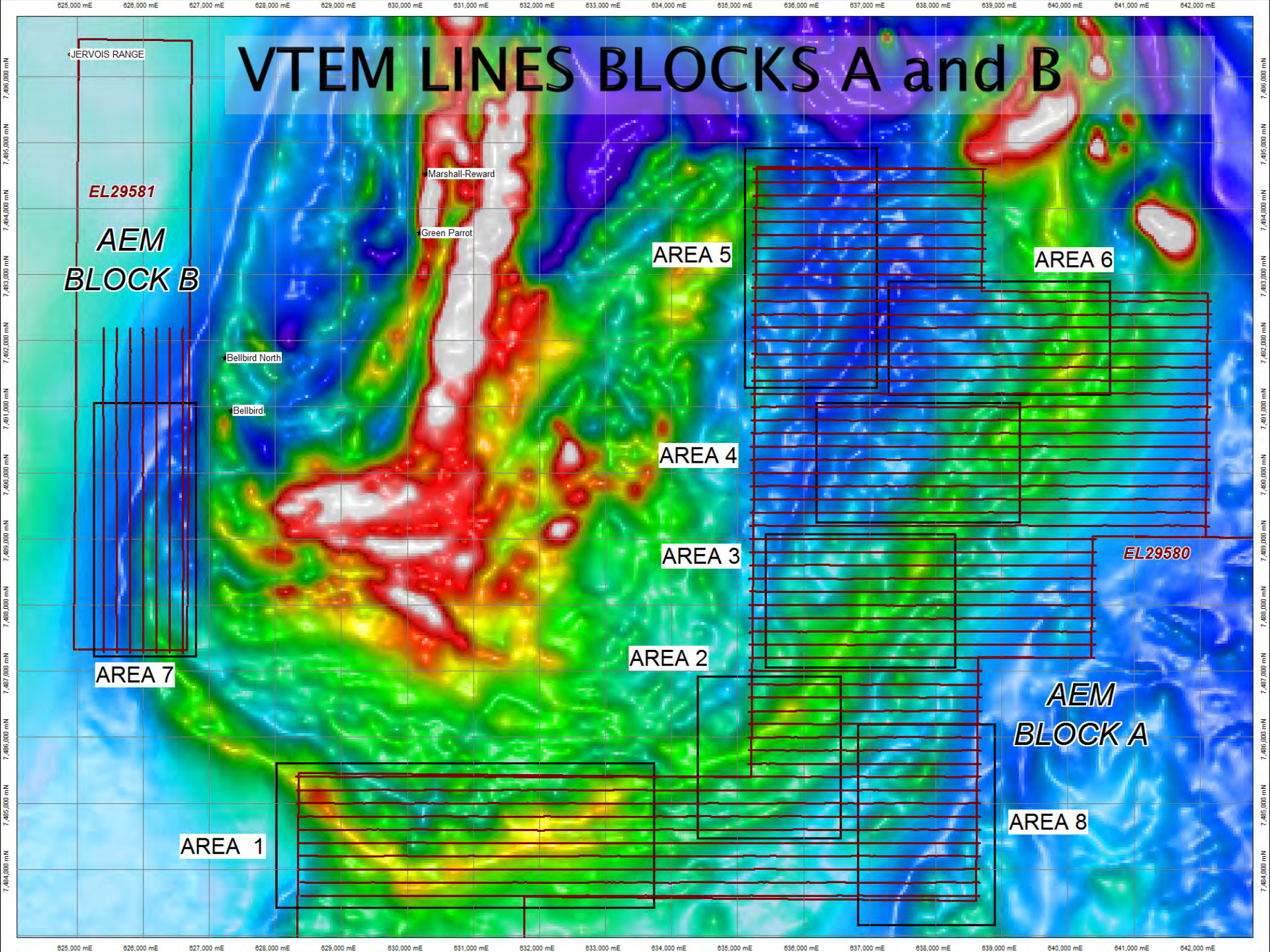
AREA 1

AREA 8

Regional Gravity Residual



VTEM LINES BLOCKS A and B



JERVOIS RANGE

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AEM
BLOCK B

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AREA 3

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AREA 7

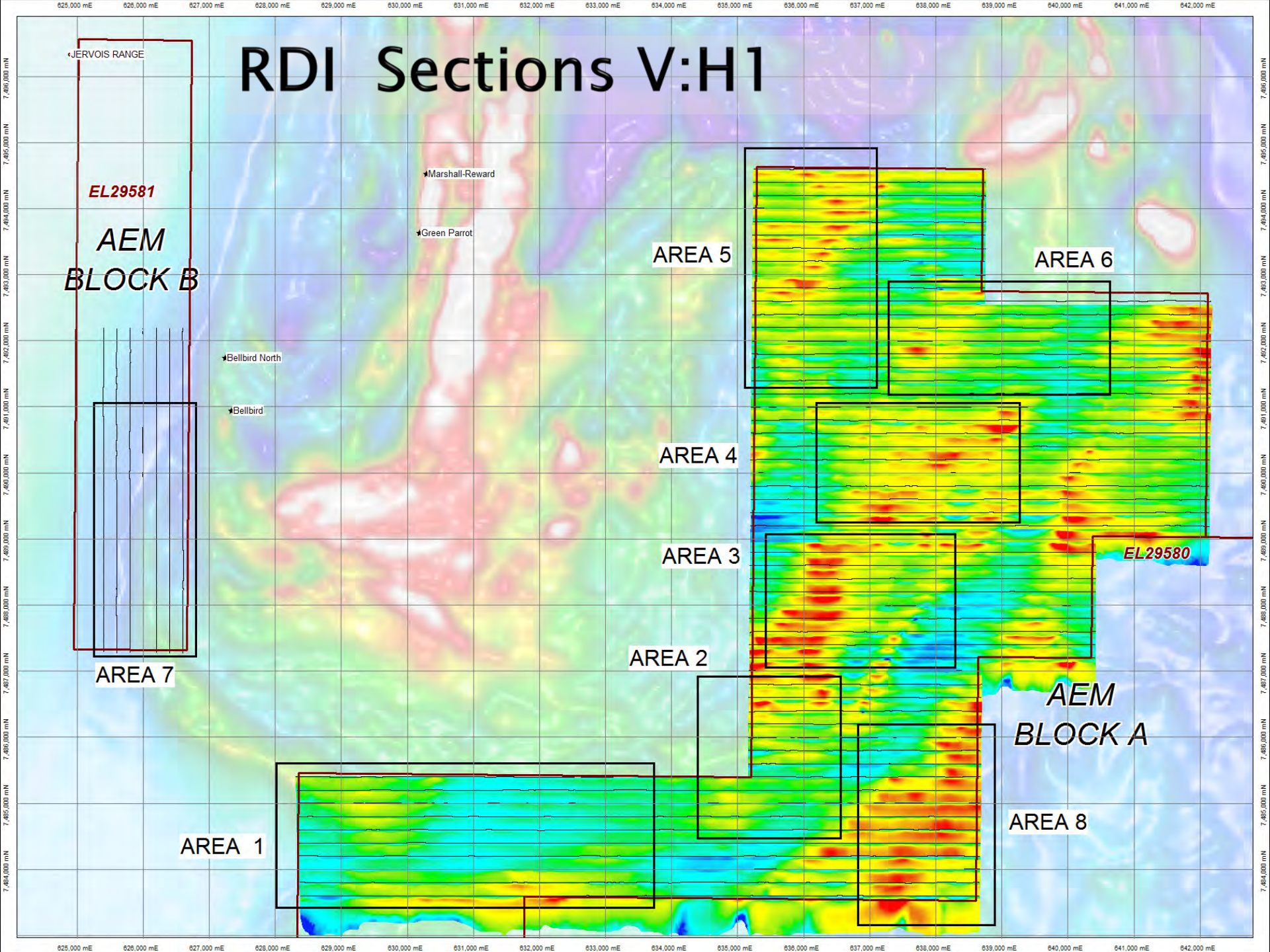
AREA 2

AEM
BLOCK A

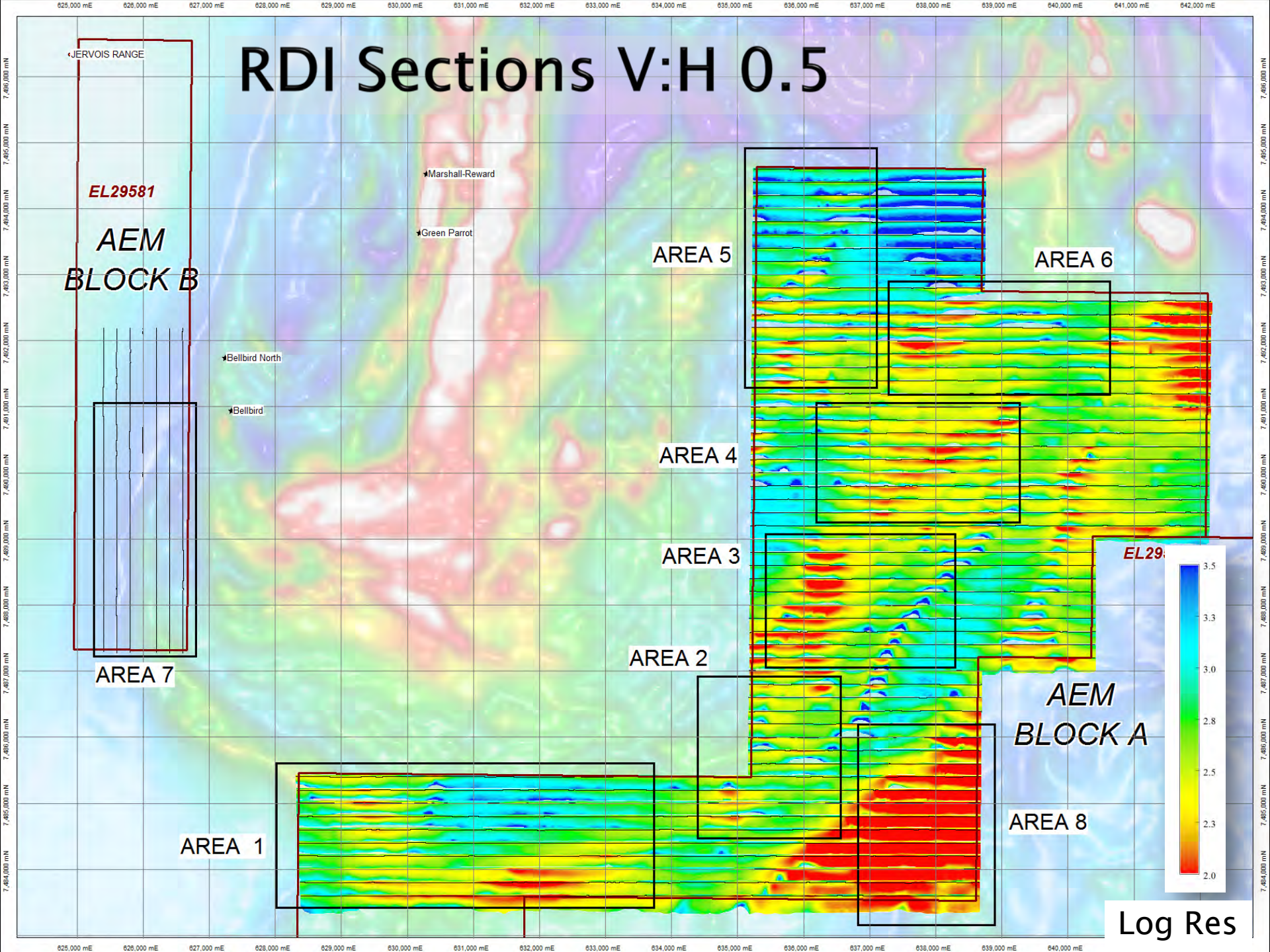
AREA 1

AREA 8

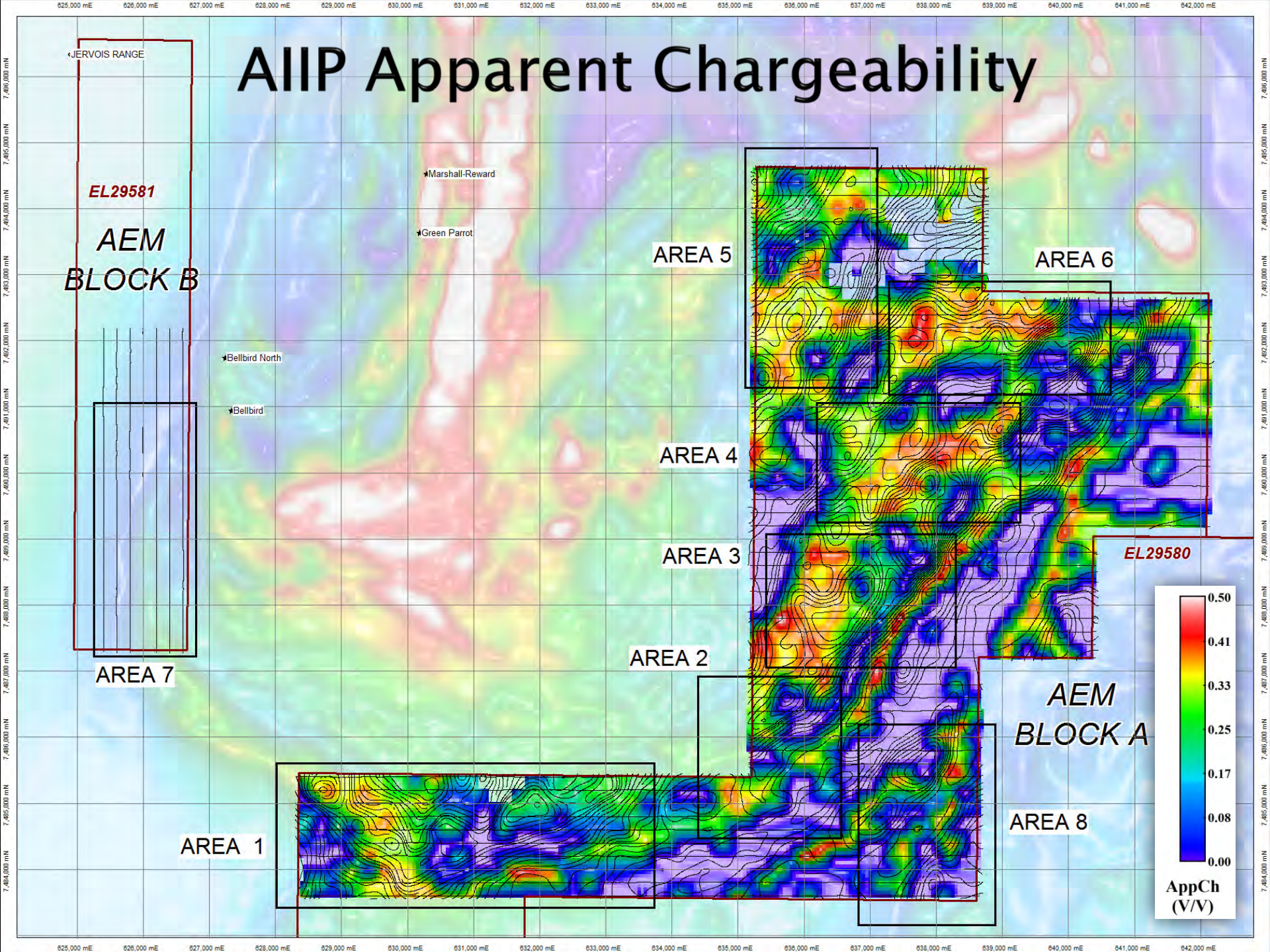
RDI Sections V:H1



RDI Sections V:H 0.5



AIP Apparent Chargeability



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AREA 4

AREA 3

AREA 2

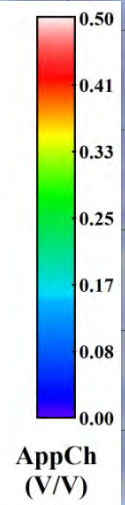
EL29580

AREA 7

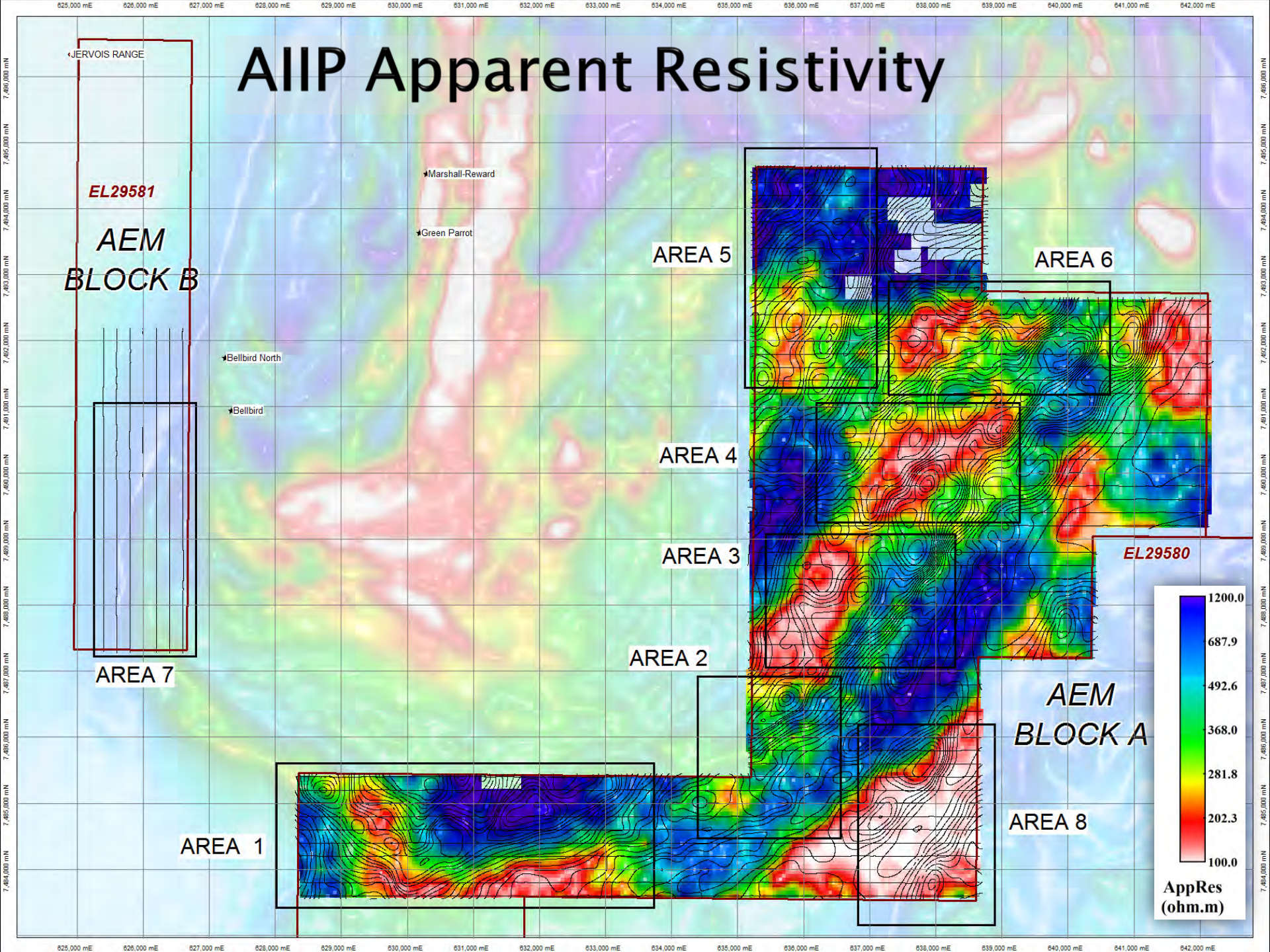
AREA 1

AEM BLOCK A

AREA 8



AIP Apparent Resistivity



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AEM
BLOCK B

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AREA 3

EL29580

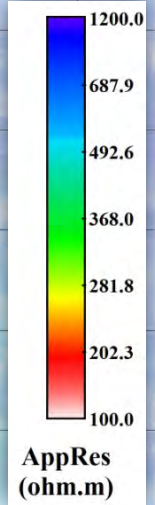
AREA 7

AREA 2

AEM
BLOCK A

AREA 1

AREA 8



RTP

West

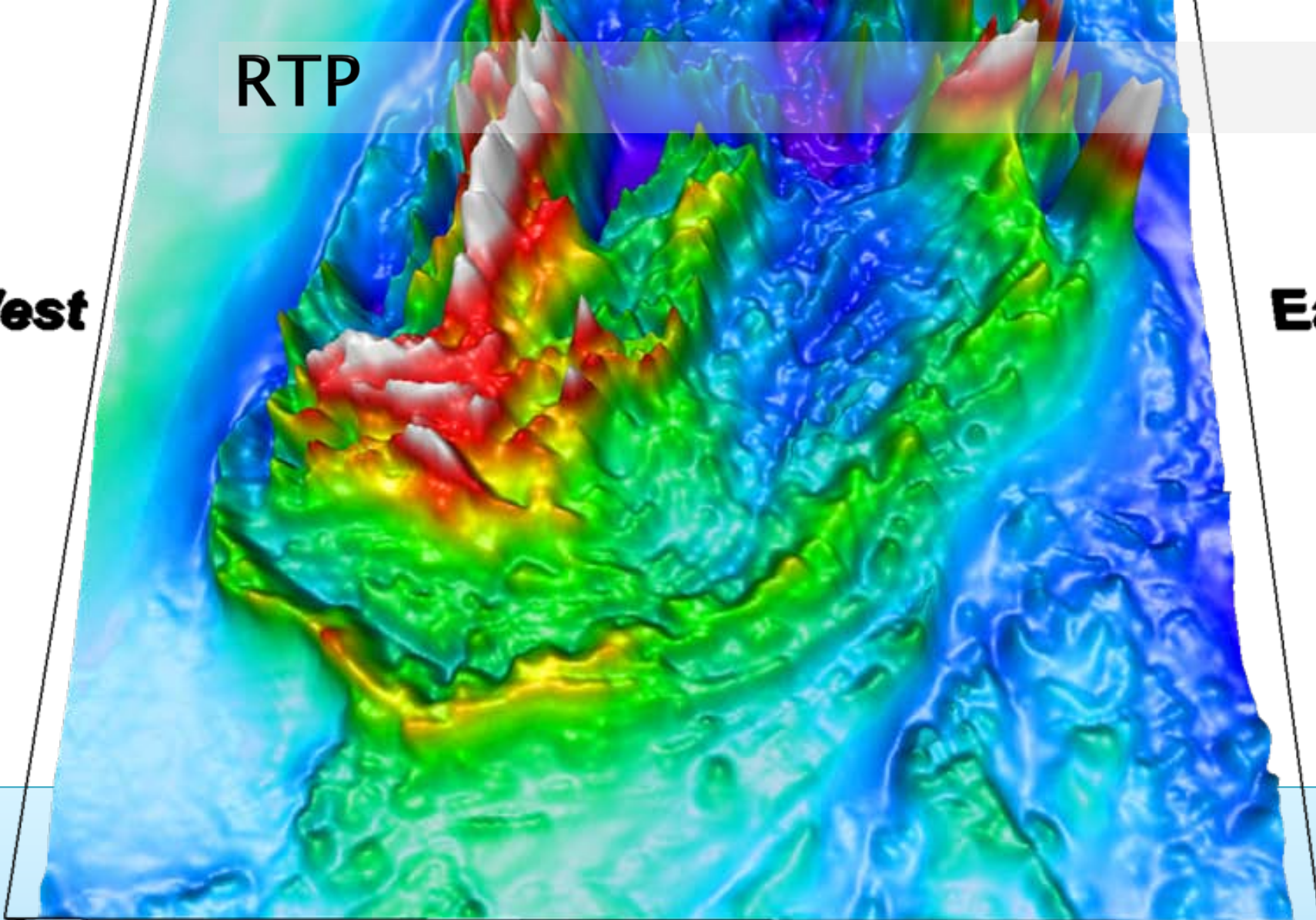
East

623847

South

643747

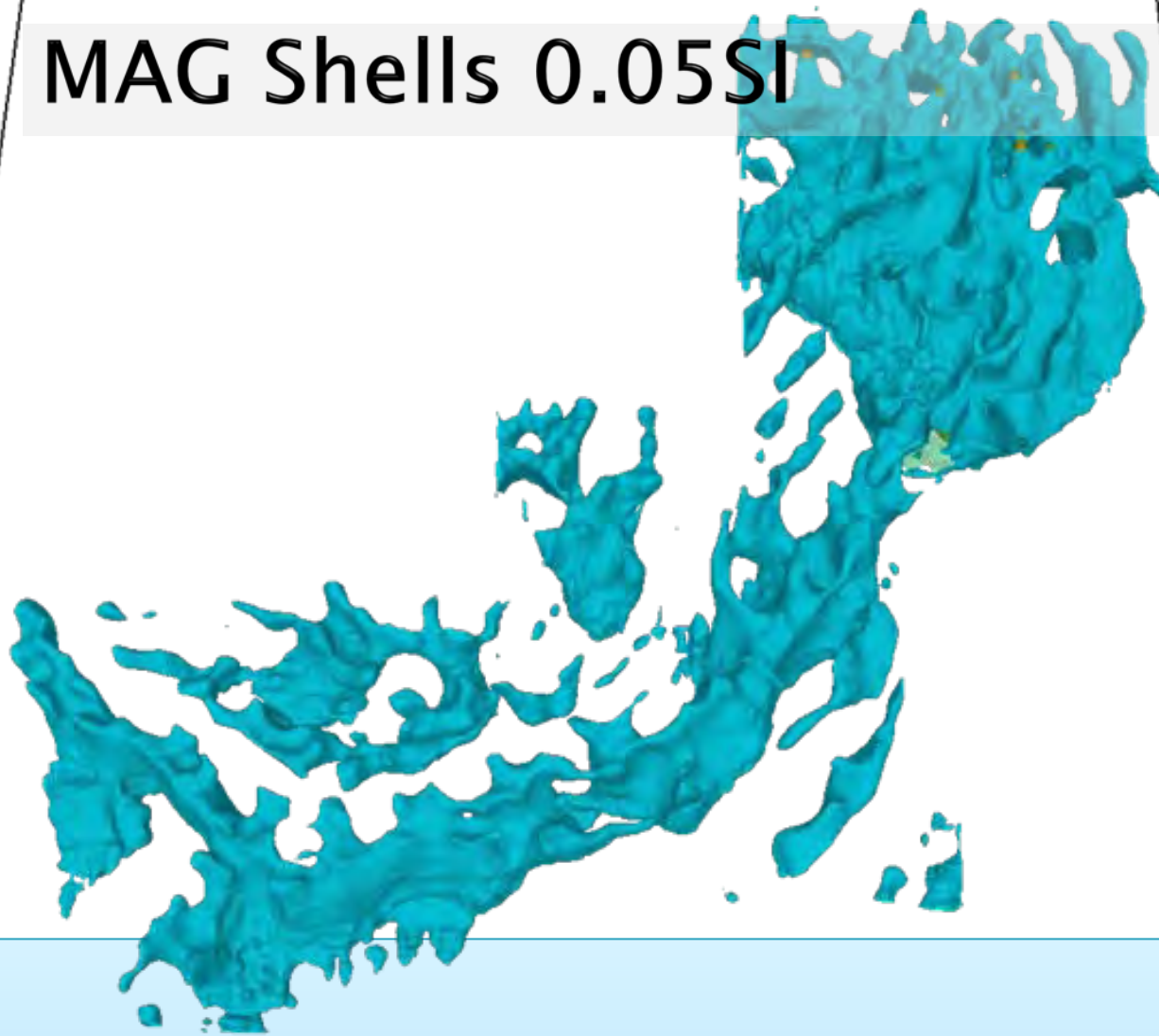
74



MAG Shells 0.05SI

West

East



623847

South

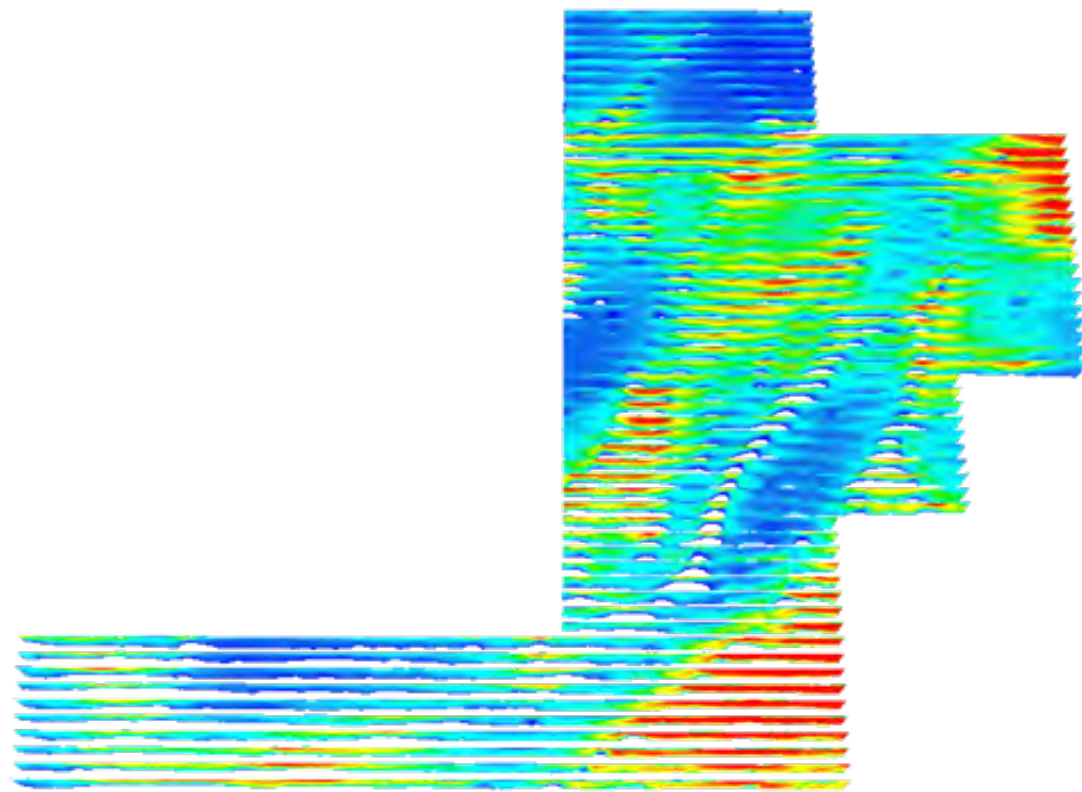
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74

RDI Sections

West

East



74

623847

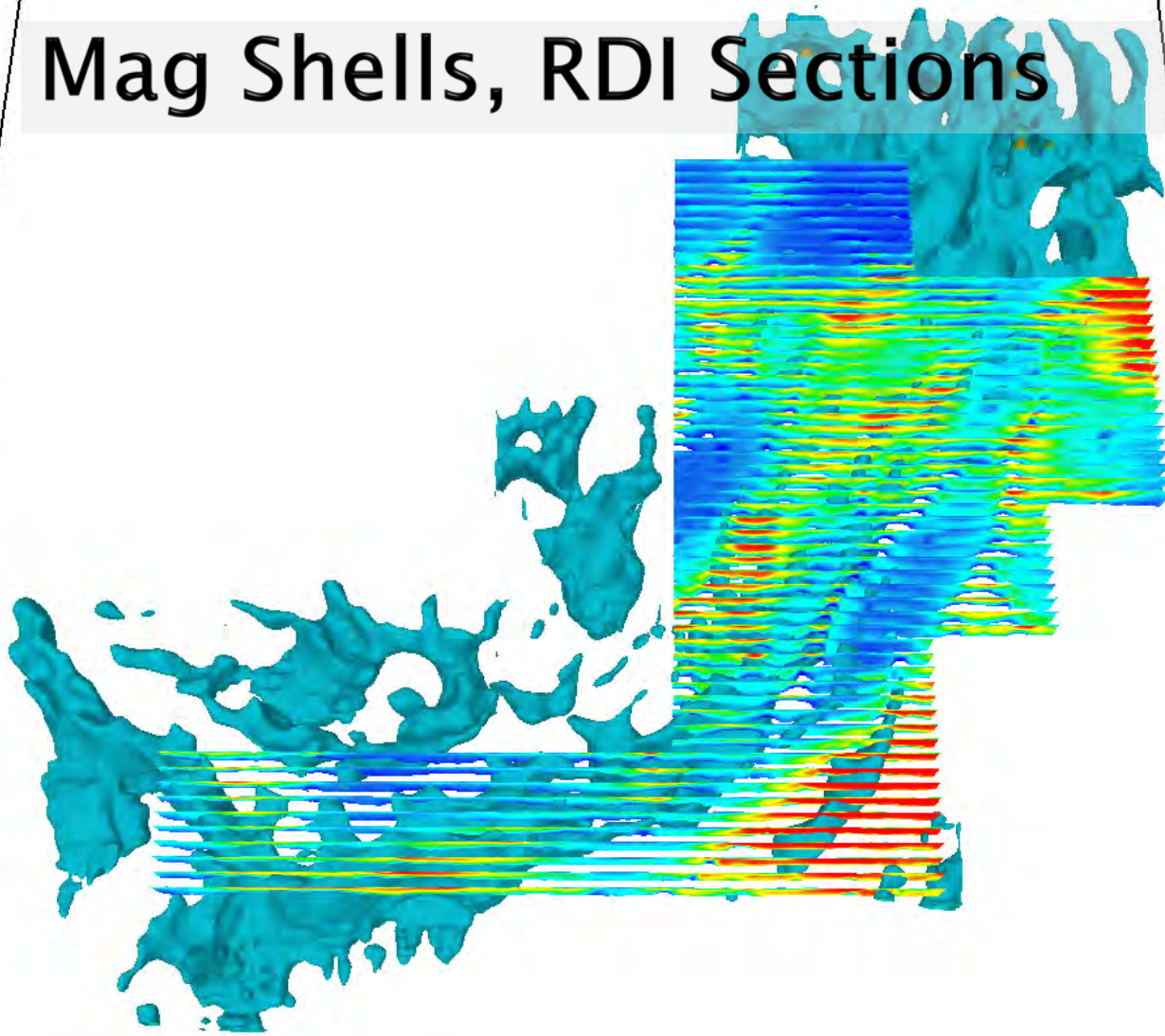
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South

Mag Shells, RDI Sections

West

East



623847

South

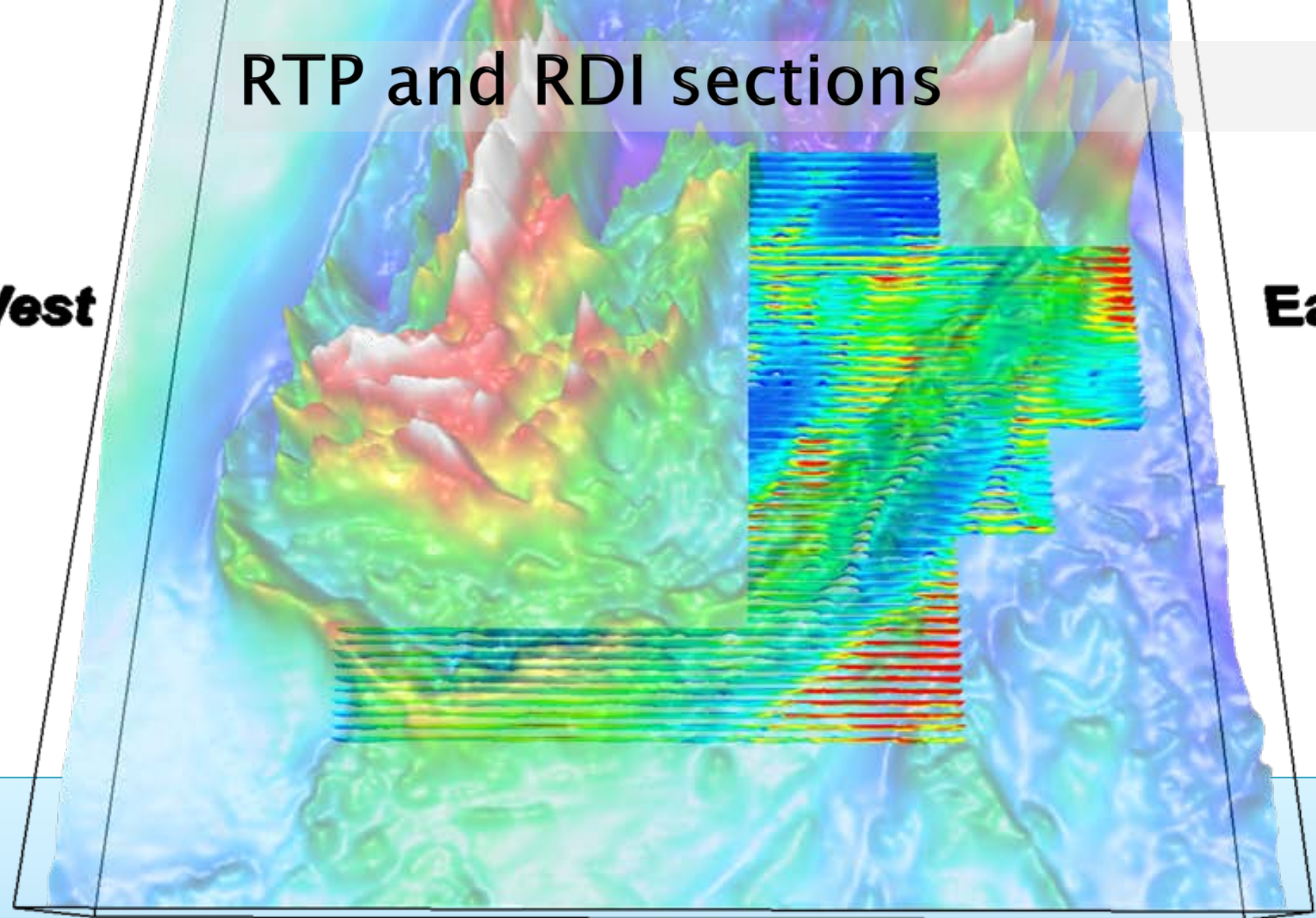
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74

RTP and RDI sections

West

East



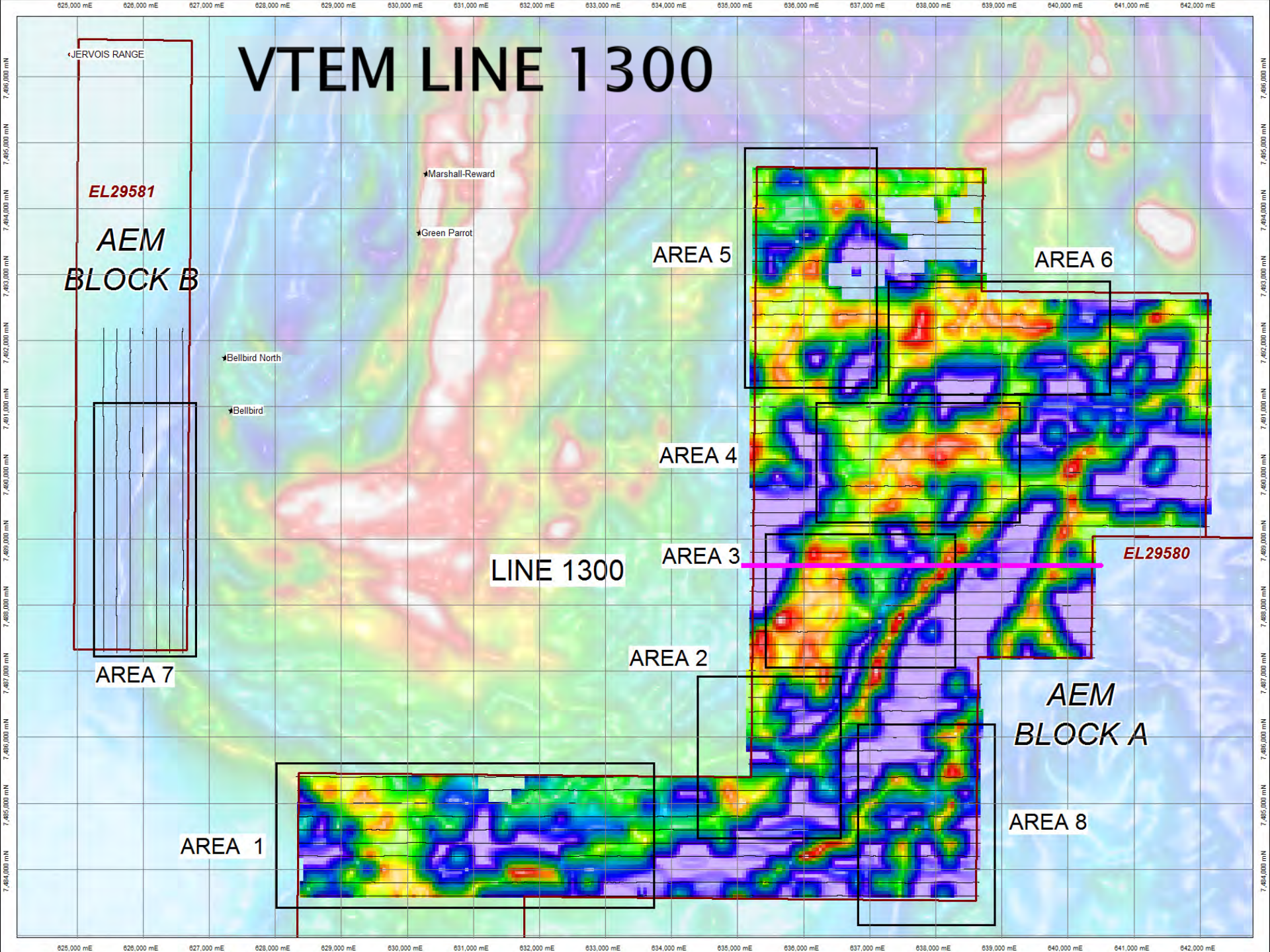
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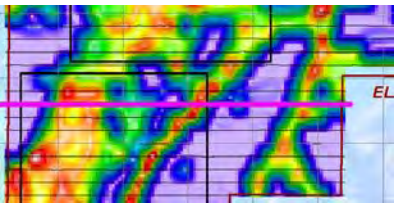
South

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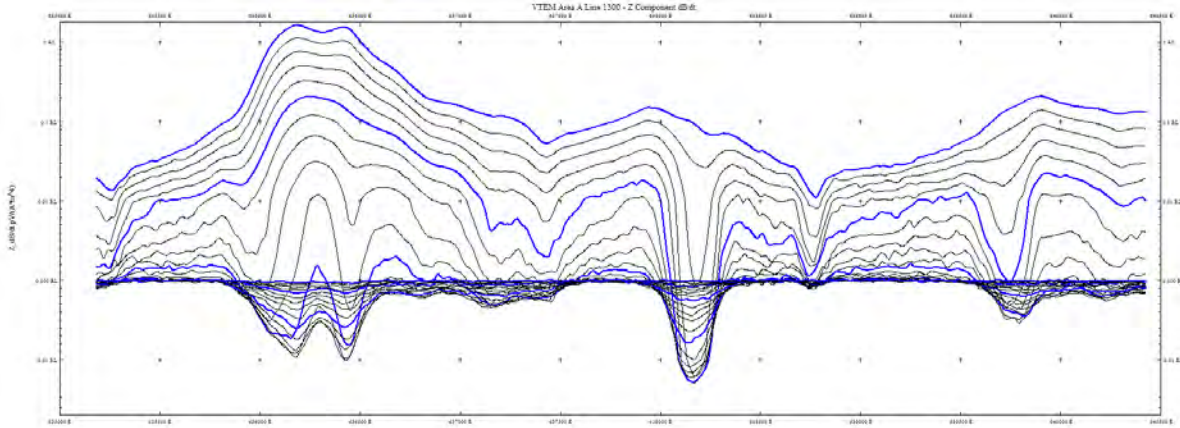
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VTEM LINE 1300

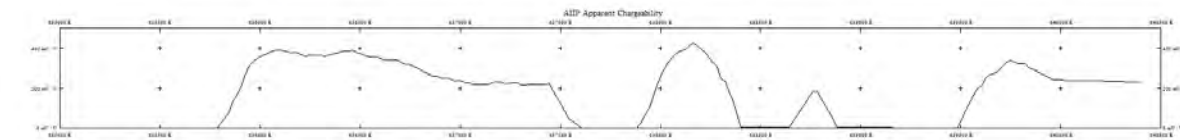




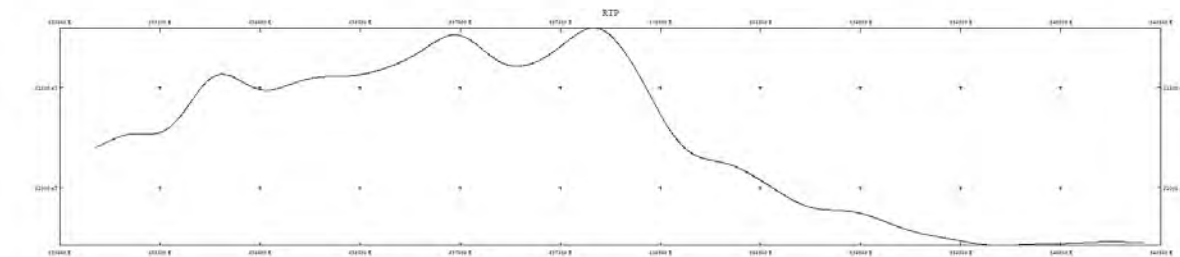
Z dB/dt



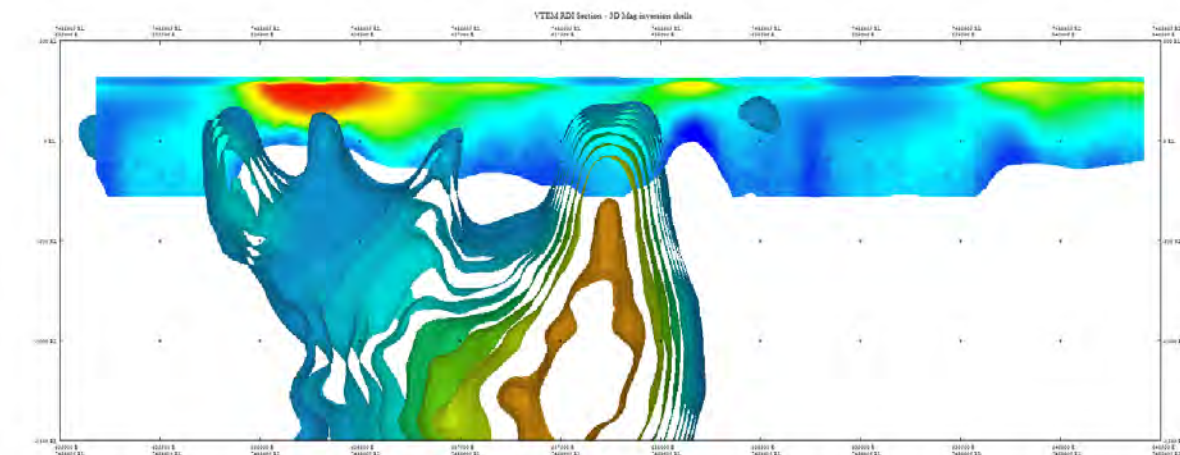
AppChg



RTP



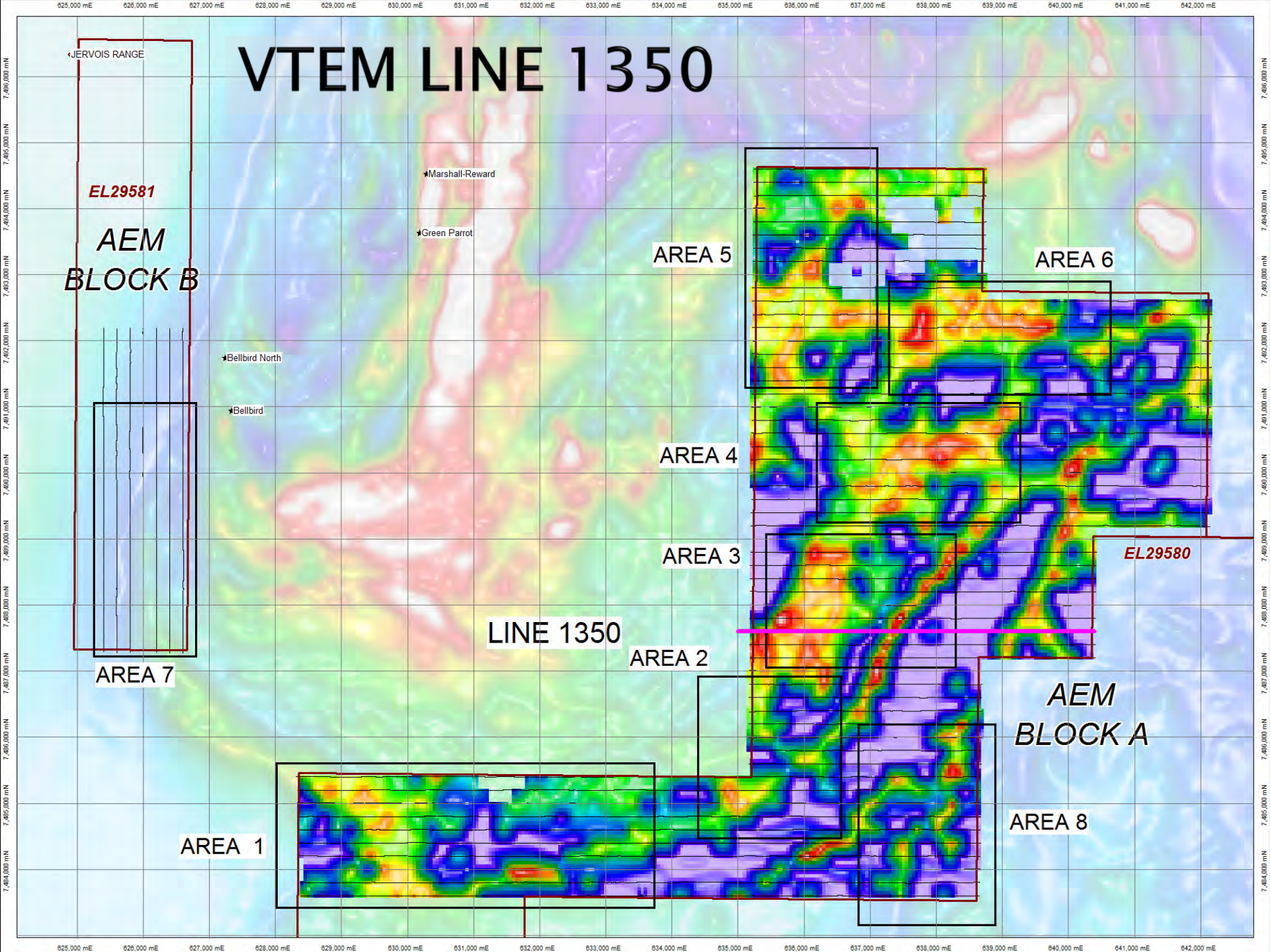
RDI



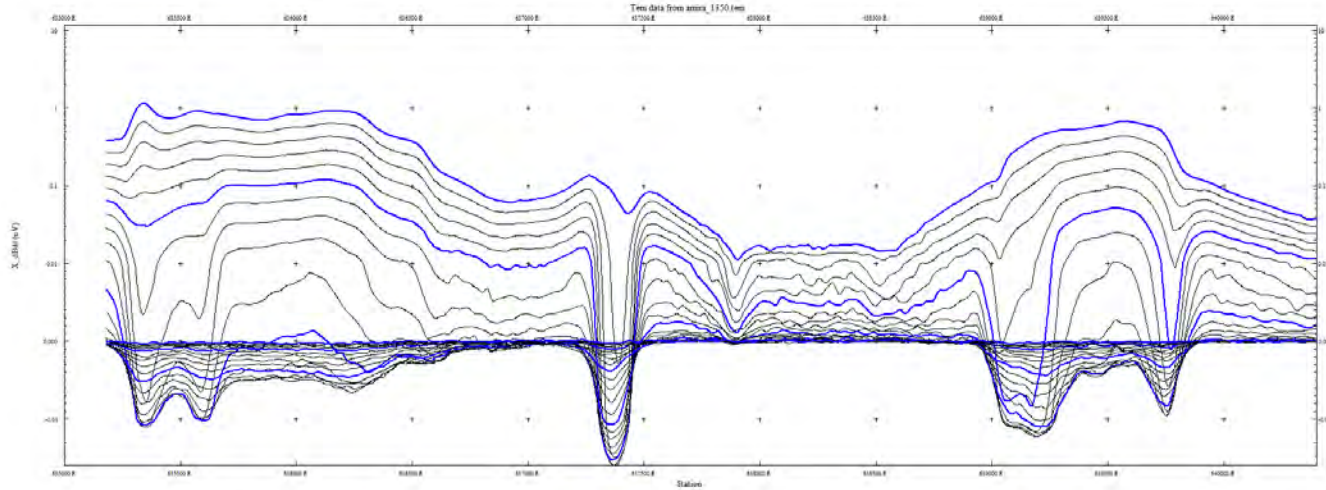
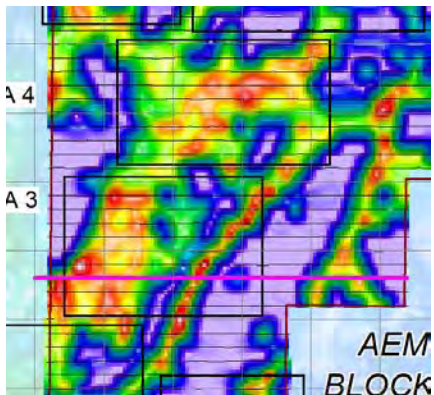
MagShells

LINE 1300

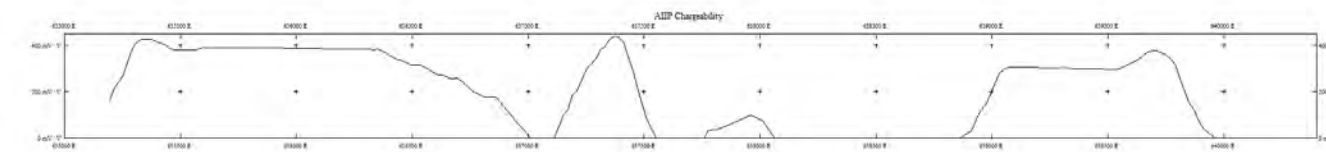
VTEM LINE 1350



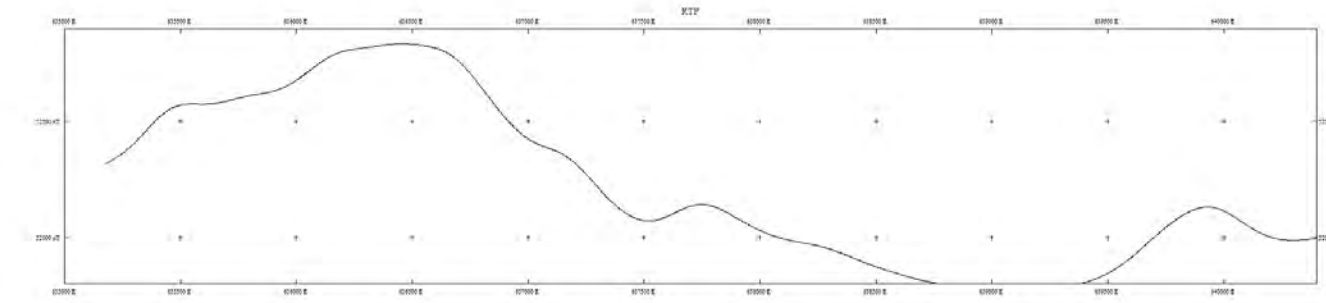
Z dB/dt



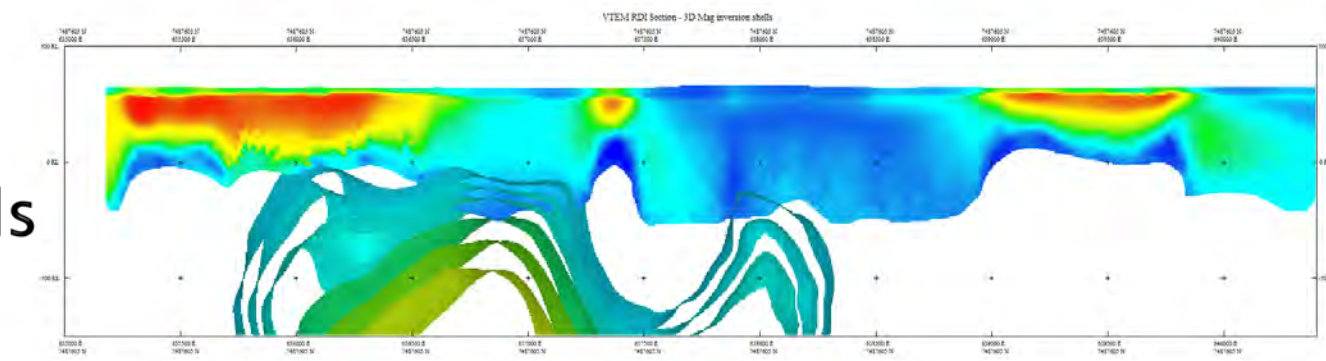
AppChg



RTP



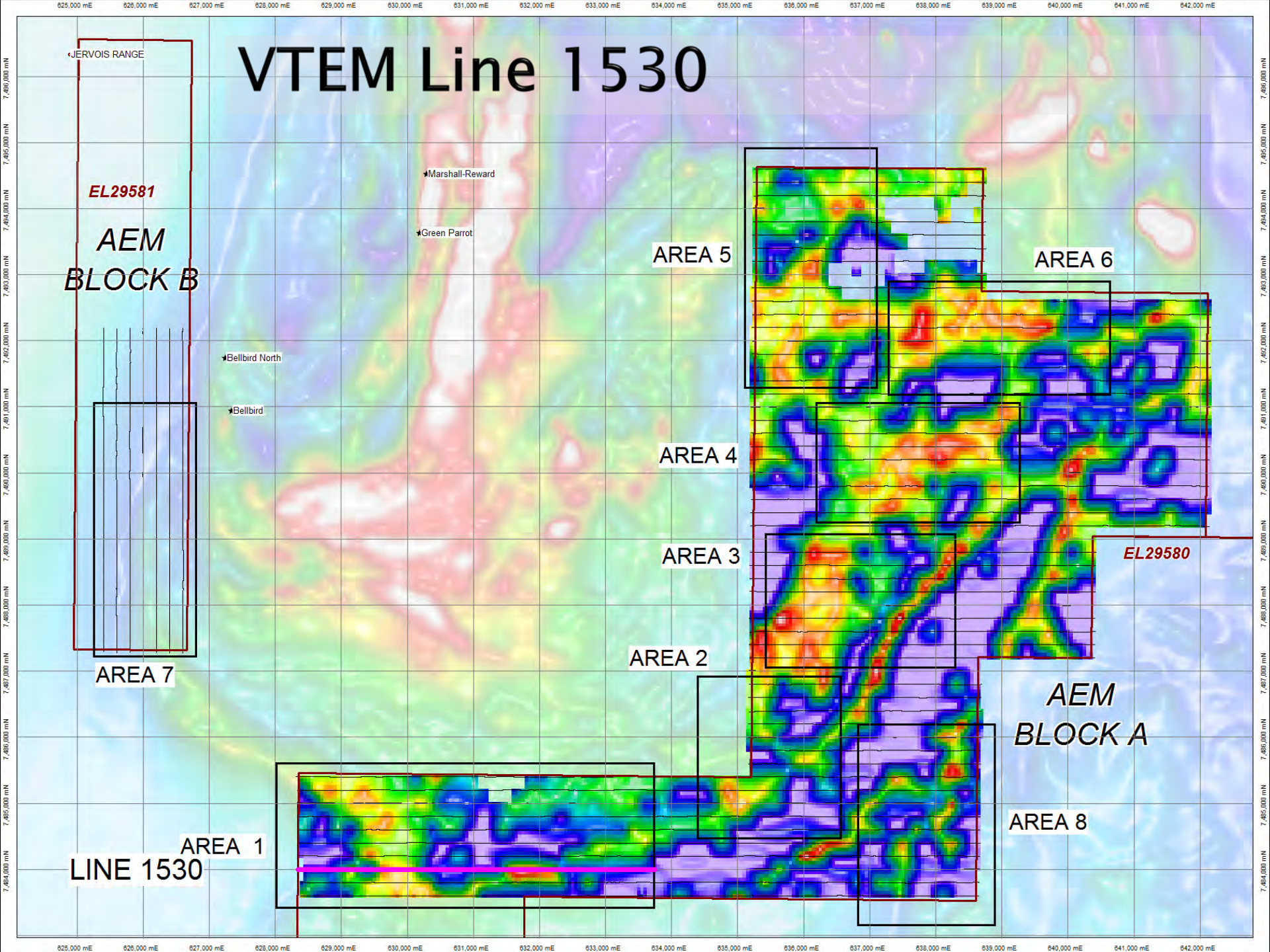
RDI



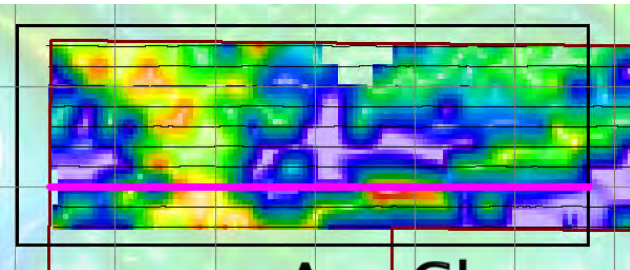
MagShells

LINE 1350

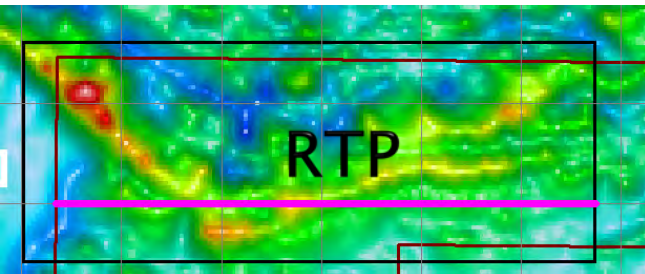
VTEM Line 1530



Z dB/dt



AppChg

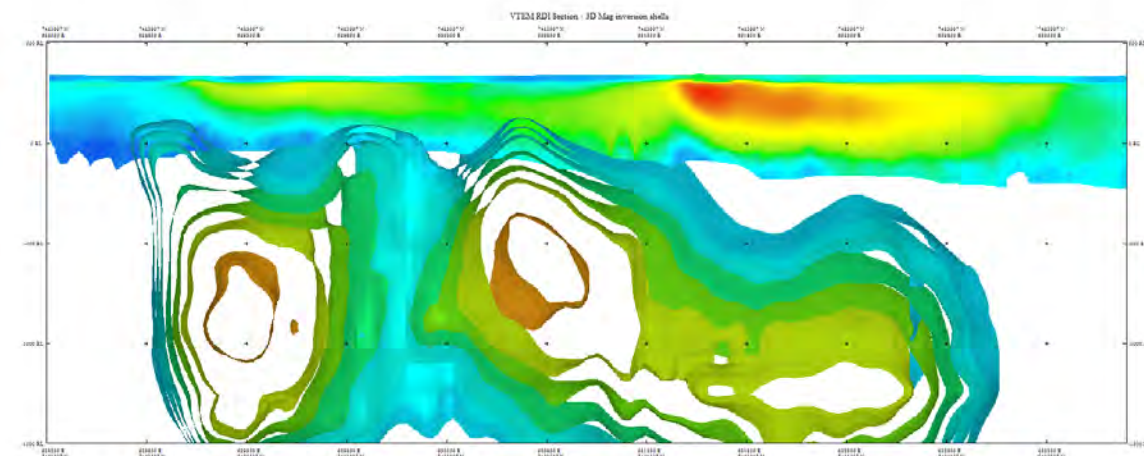
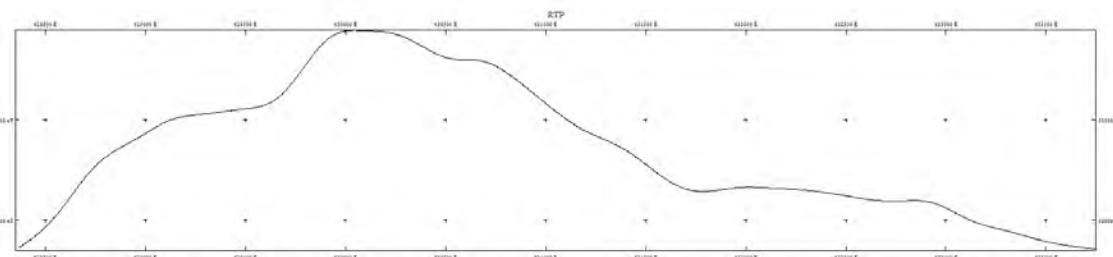
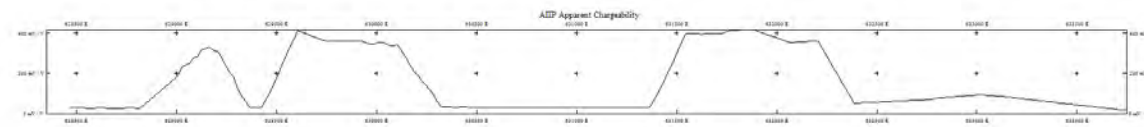
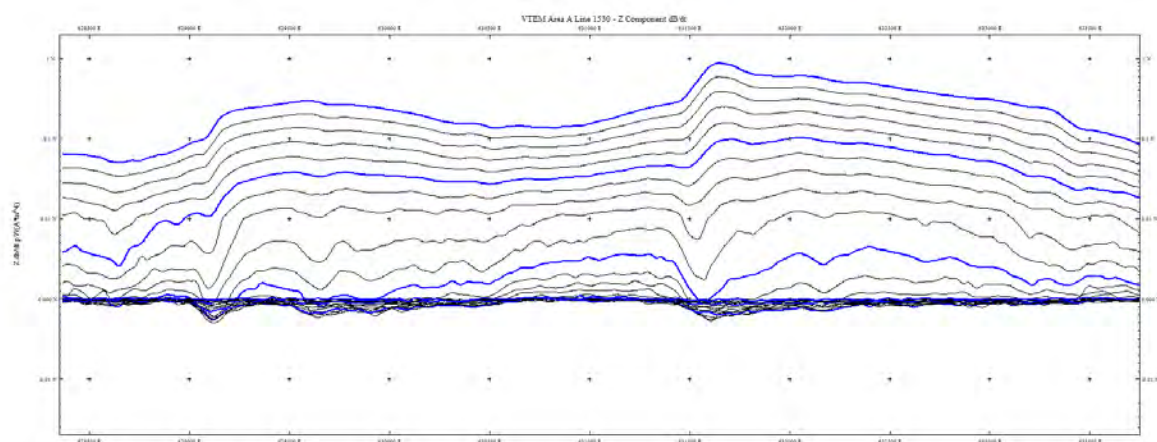


RTP

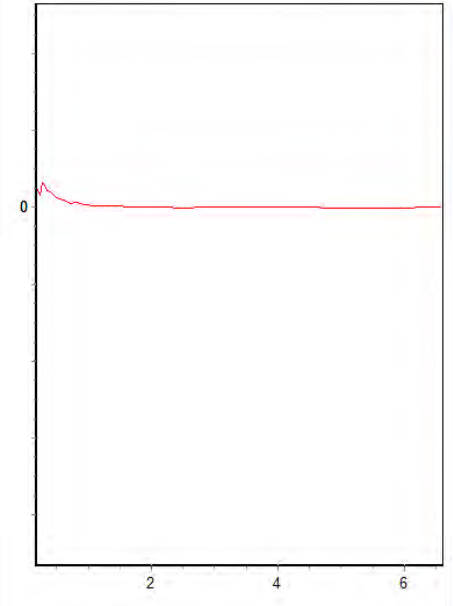
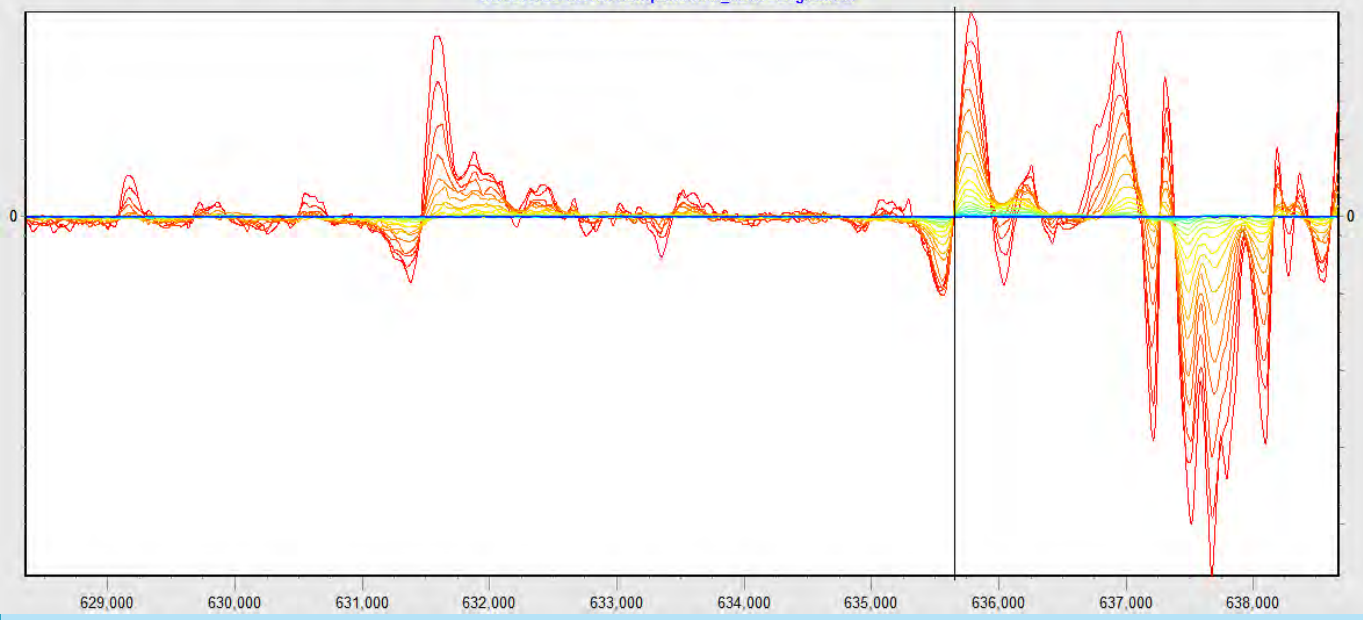
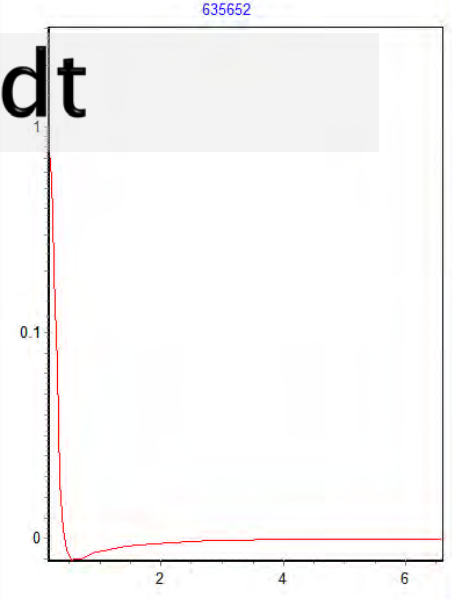
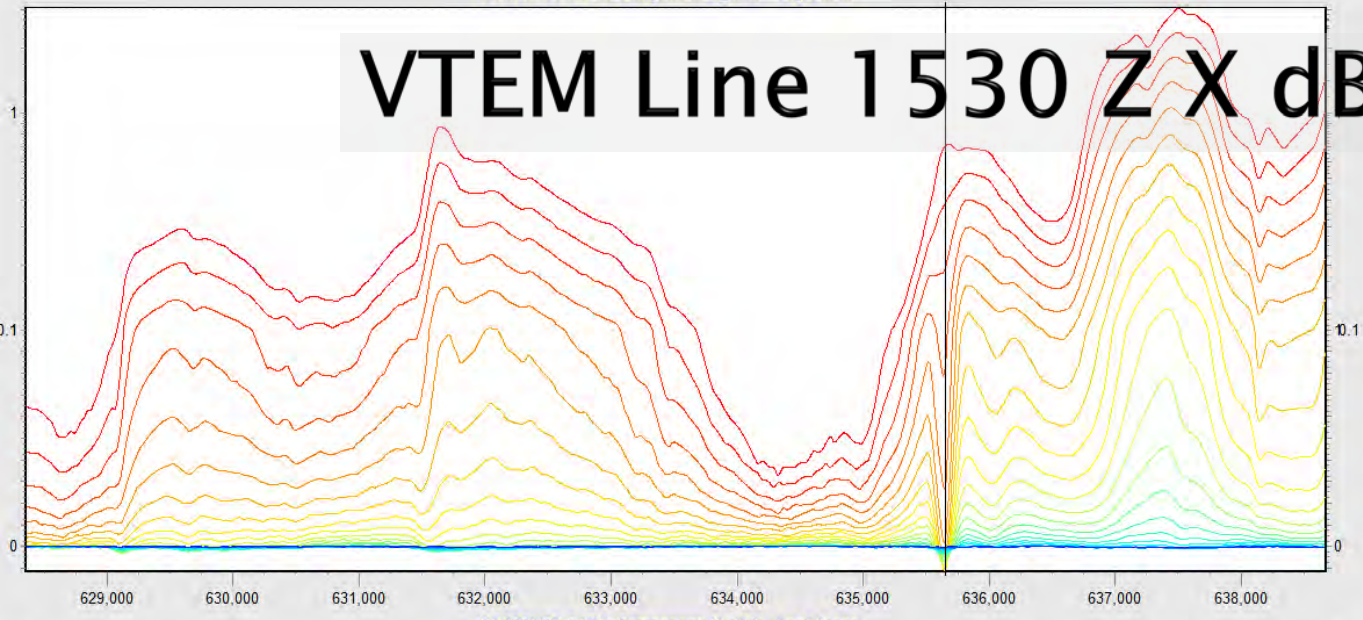
RDI

MagShells

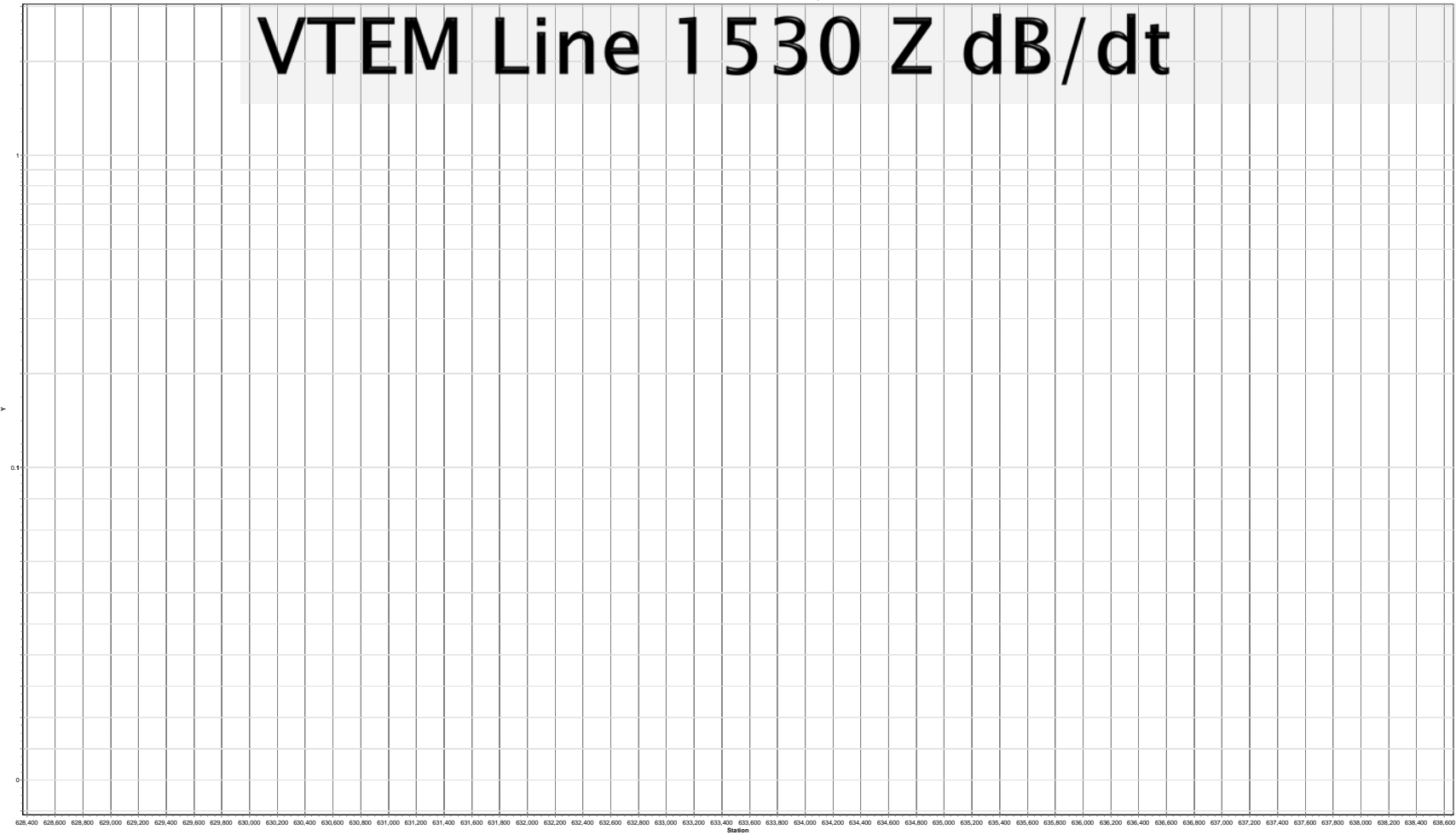
LINE 1530



VTEM Line 1530 Z X dB/ dt



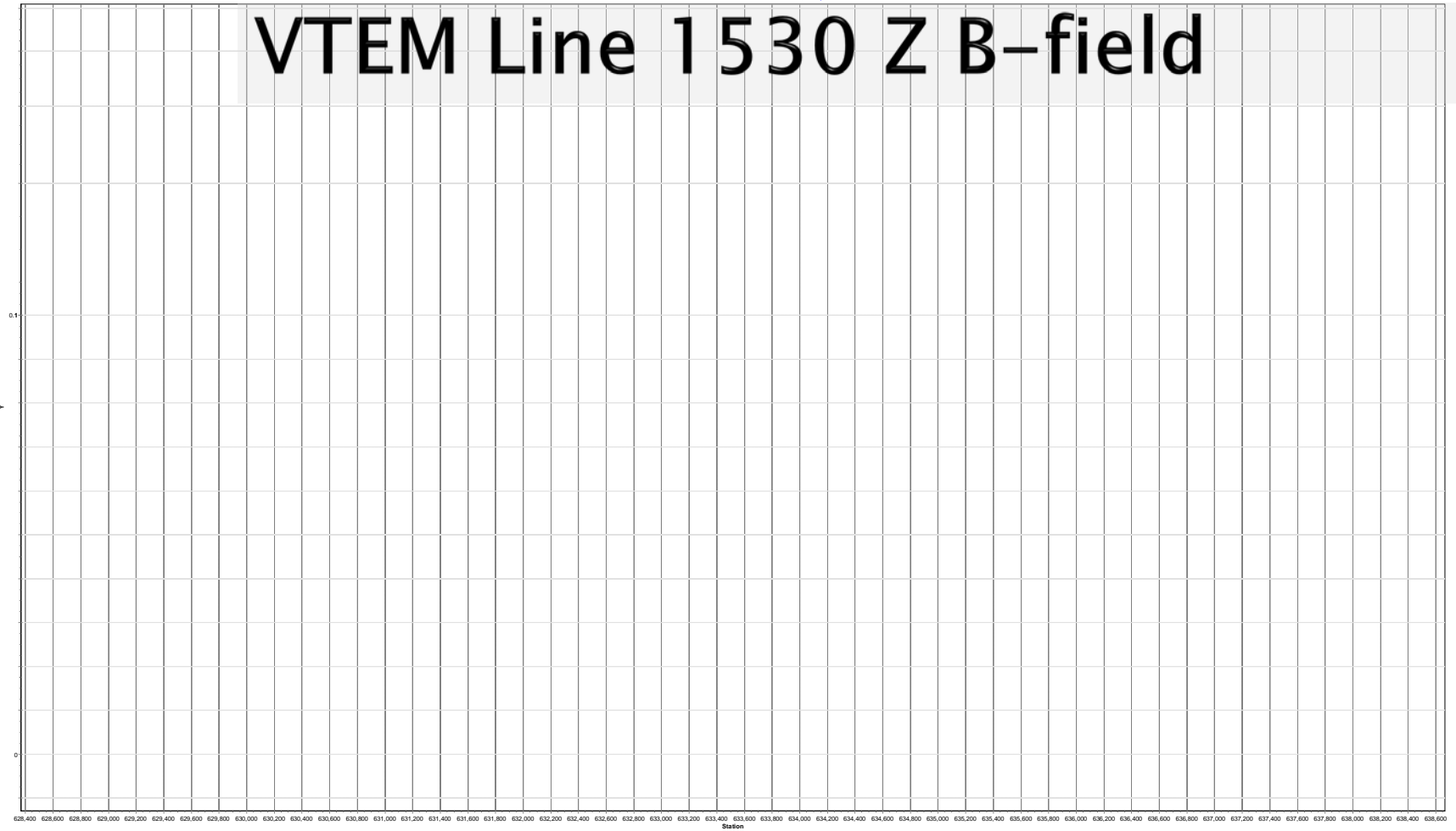
VTEM Line 1530 Z dB/dt



Looks like a east dipping conductor



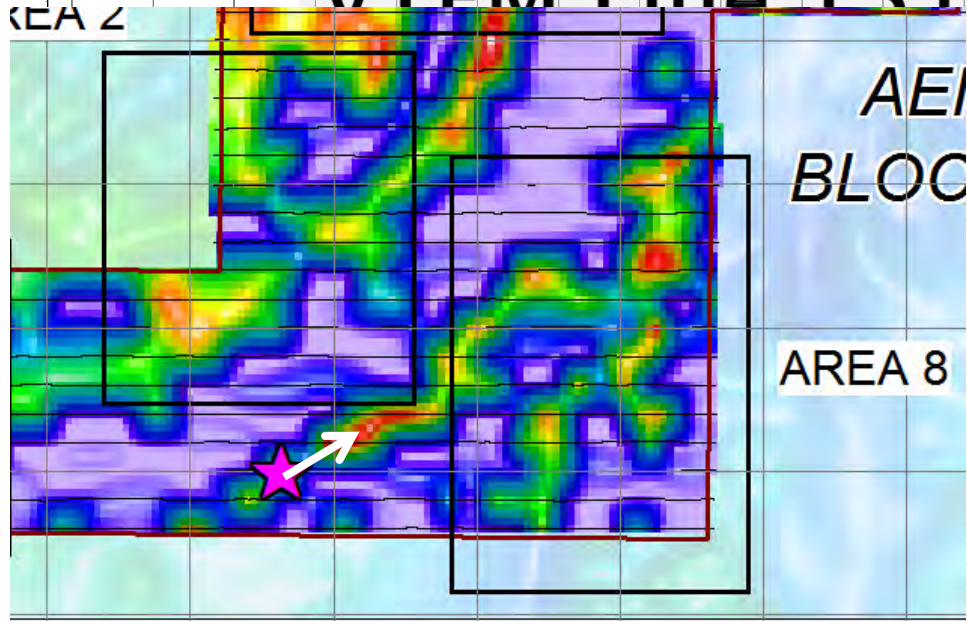
VTEM Line 1530 Z B-field



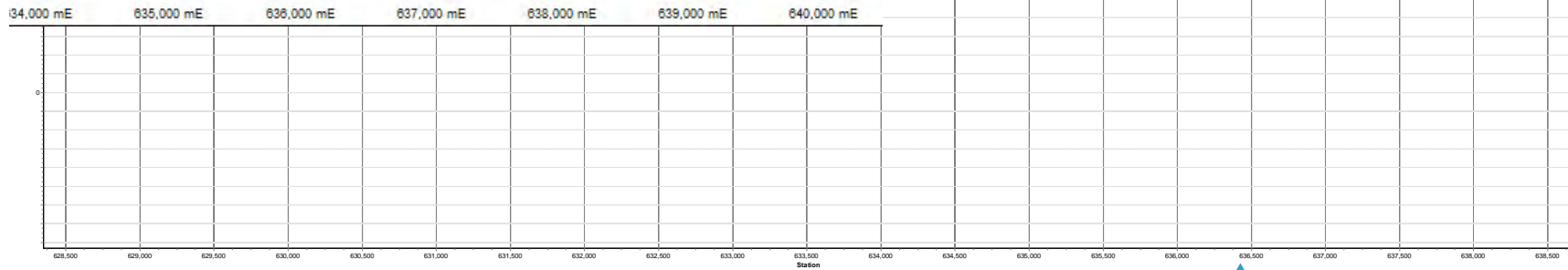
More obvious as an IP anomaly in the B-field data



VTEM Line 1510 z dB/dt



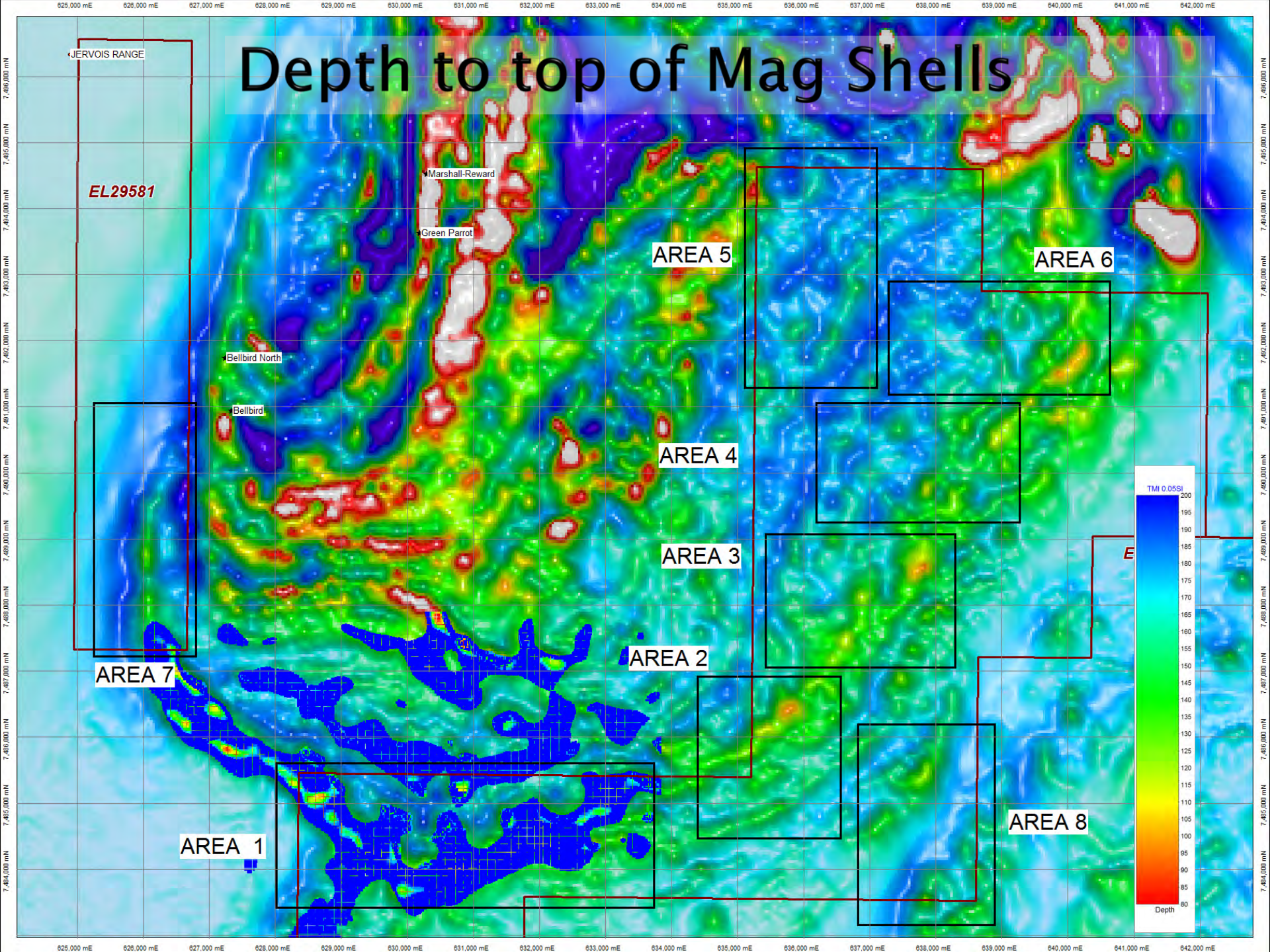
- CH01
- CH02
- CH03
- CH04
- CH05
- CH06
- CH07
- CH08
- CH09
- CH10
- CH11
- CH12
- CH13
- CH14
- CH15
- CH16
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- CH18
- CH19
- CH20
- CH21
- CH22
- CH23
- CH24
- CH25
- CH26



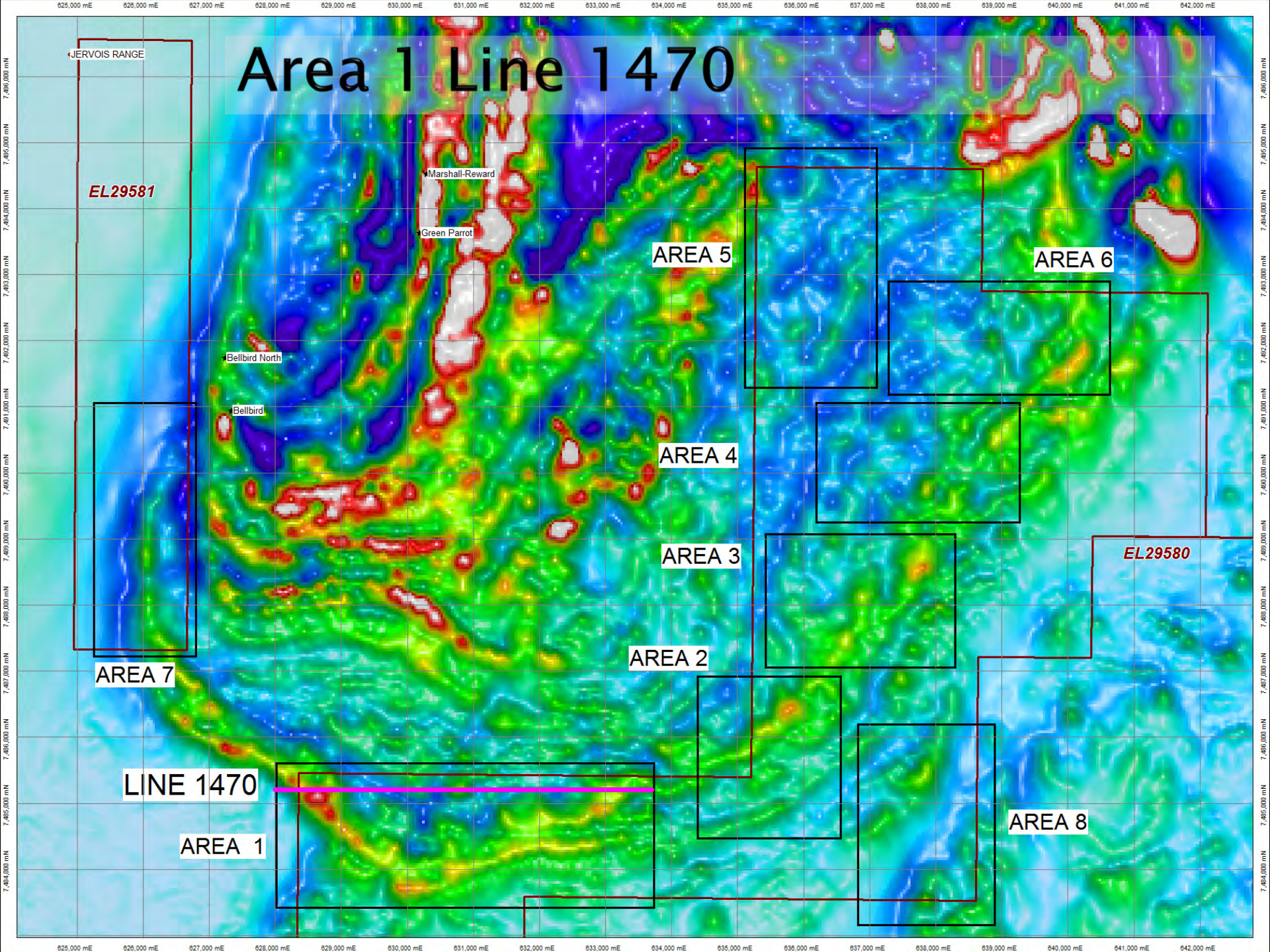
Develops along strike as a larger IP anomaly



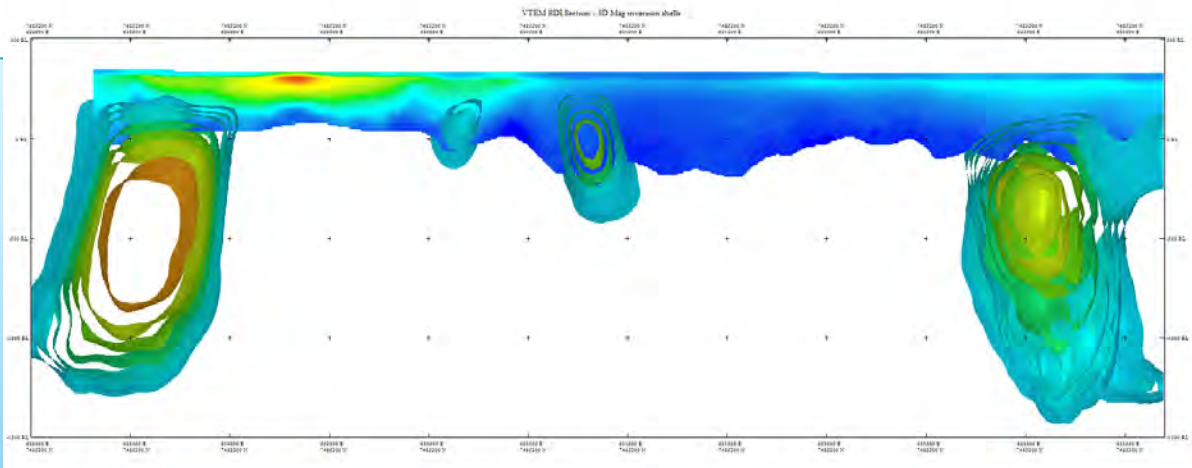
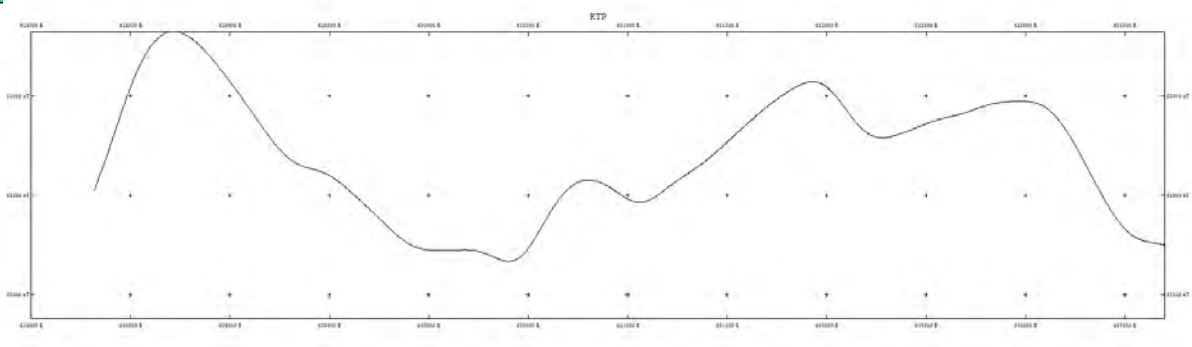
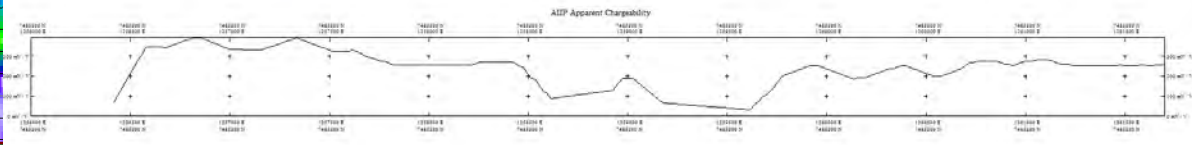
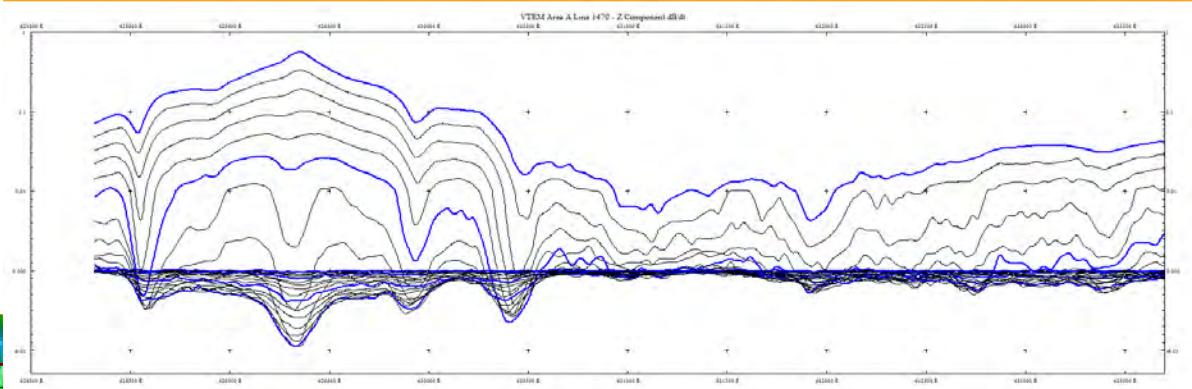
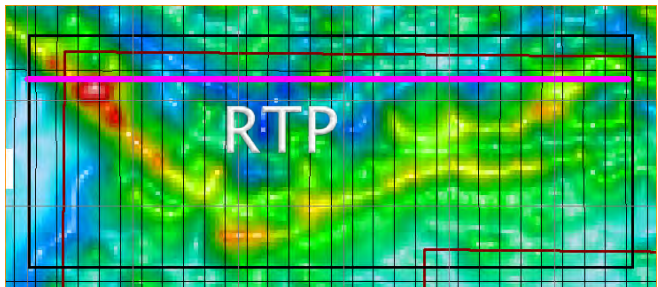
Depth to top of Mag Shells



Area 1 Line 1470



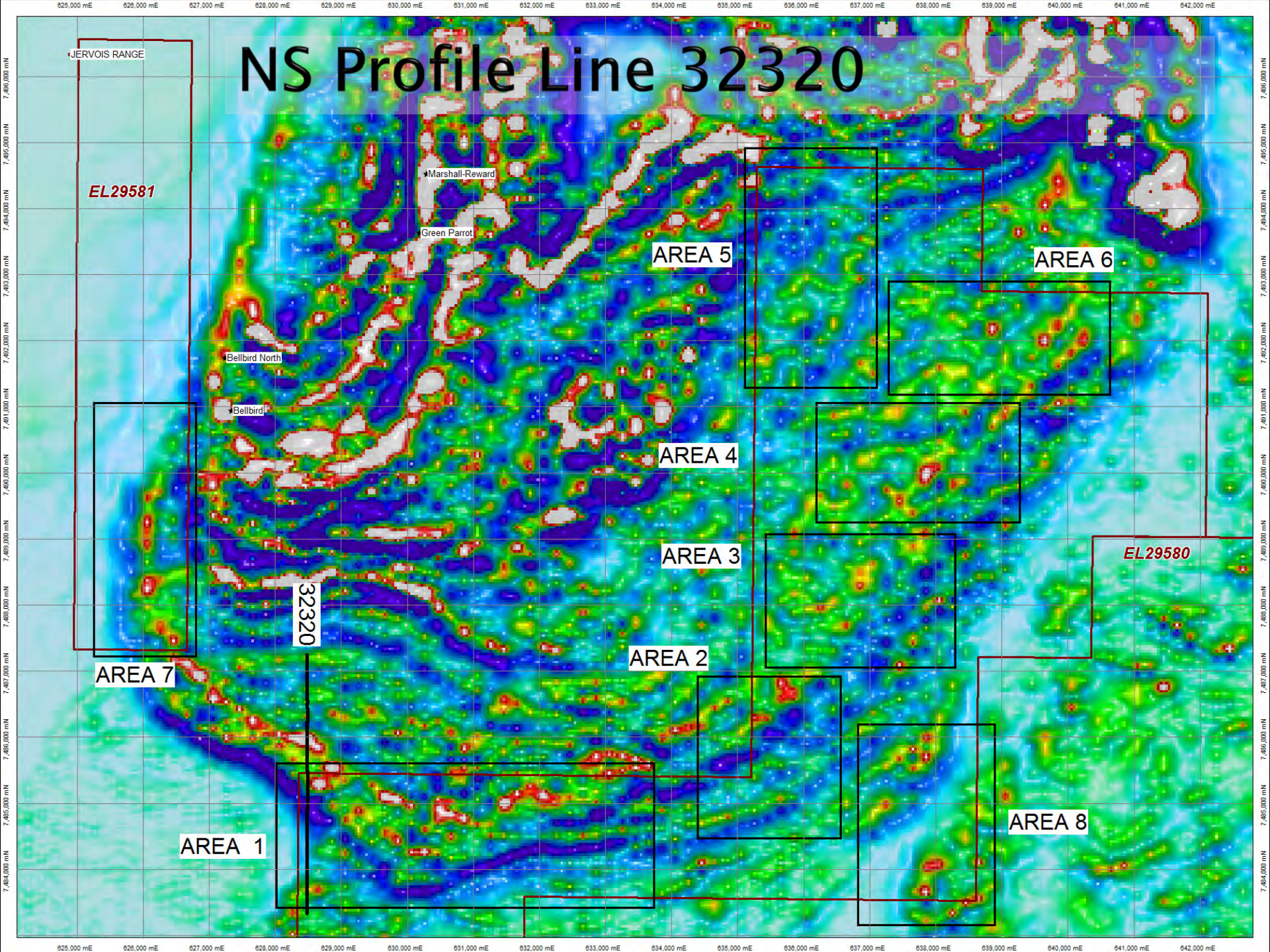
Z dB/dt



RDI

MagShells

NS Profile Line 32320



JERVOIS RANGE

EL29581

Marshall-Reward

Green Parrot

AREA 5

AREA 6

Bellbird North

Bellbird

AREA 4

AREA 3

EL29580

32320

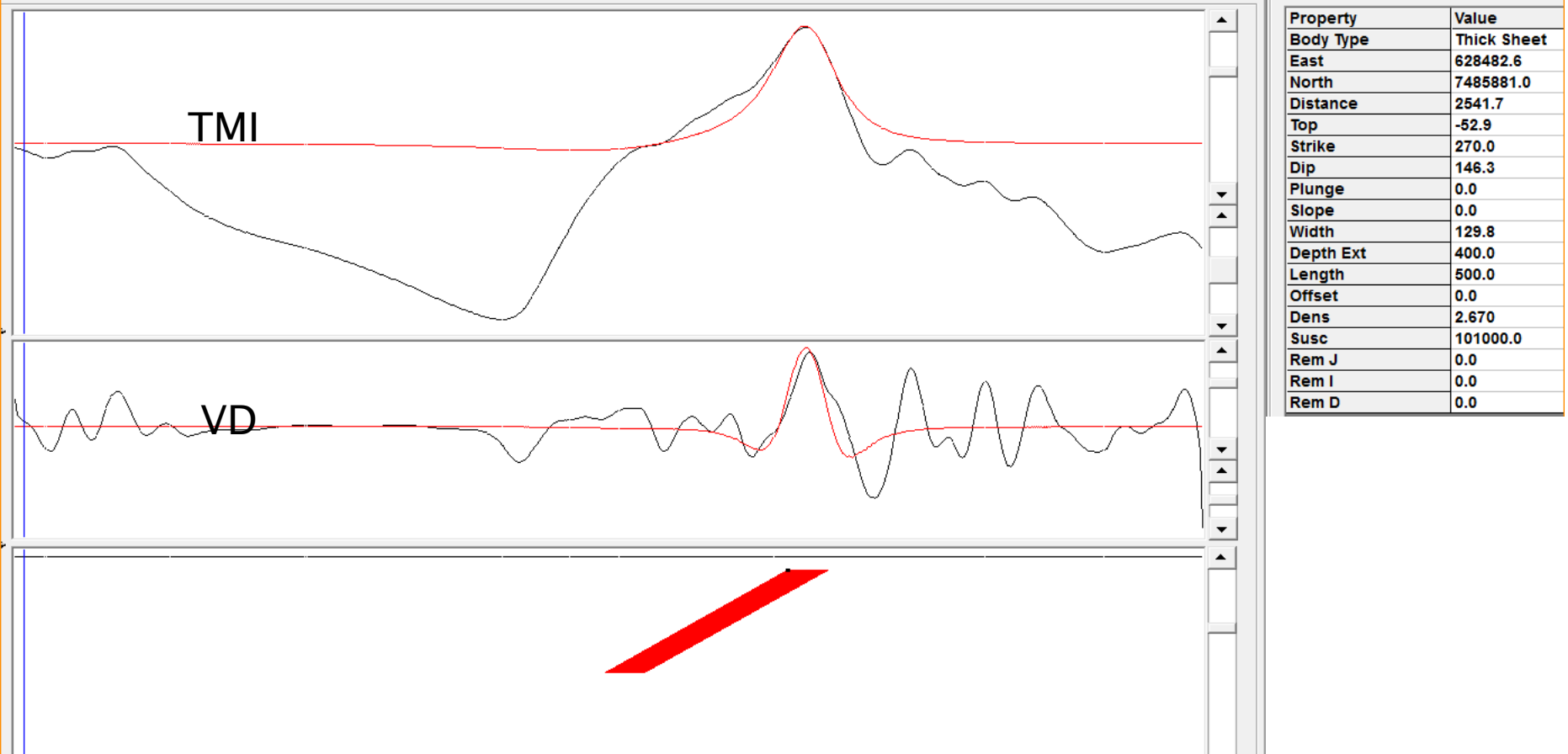
AREA 7

AREA 2

AREA 1

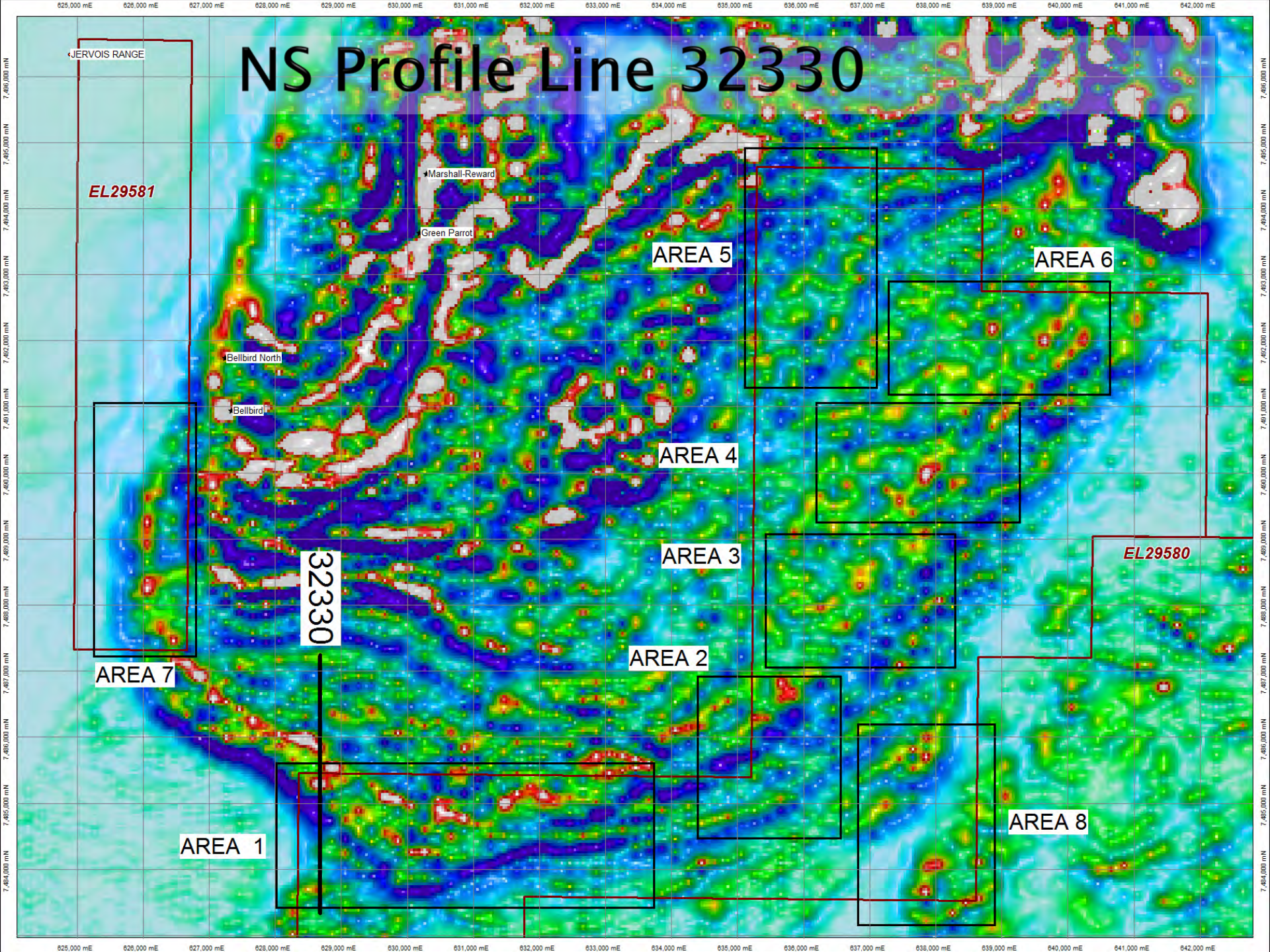
AREA 8

Area 1 32320 Profile Model



Quick depth to top of ~50,
Many other bodies needed to gat a better solution
Including (remnant mag) to south

NS Profile Line 32330



JERVOIS RANGE

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AREA 5

AREA 6

Bellbird North

Bellbird

AREA 4

AREA 3

EL29580

32330

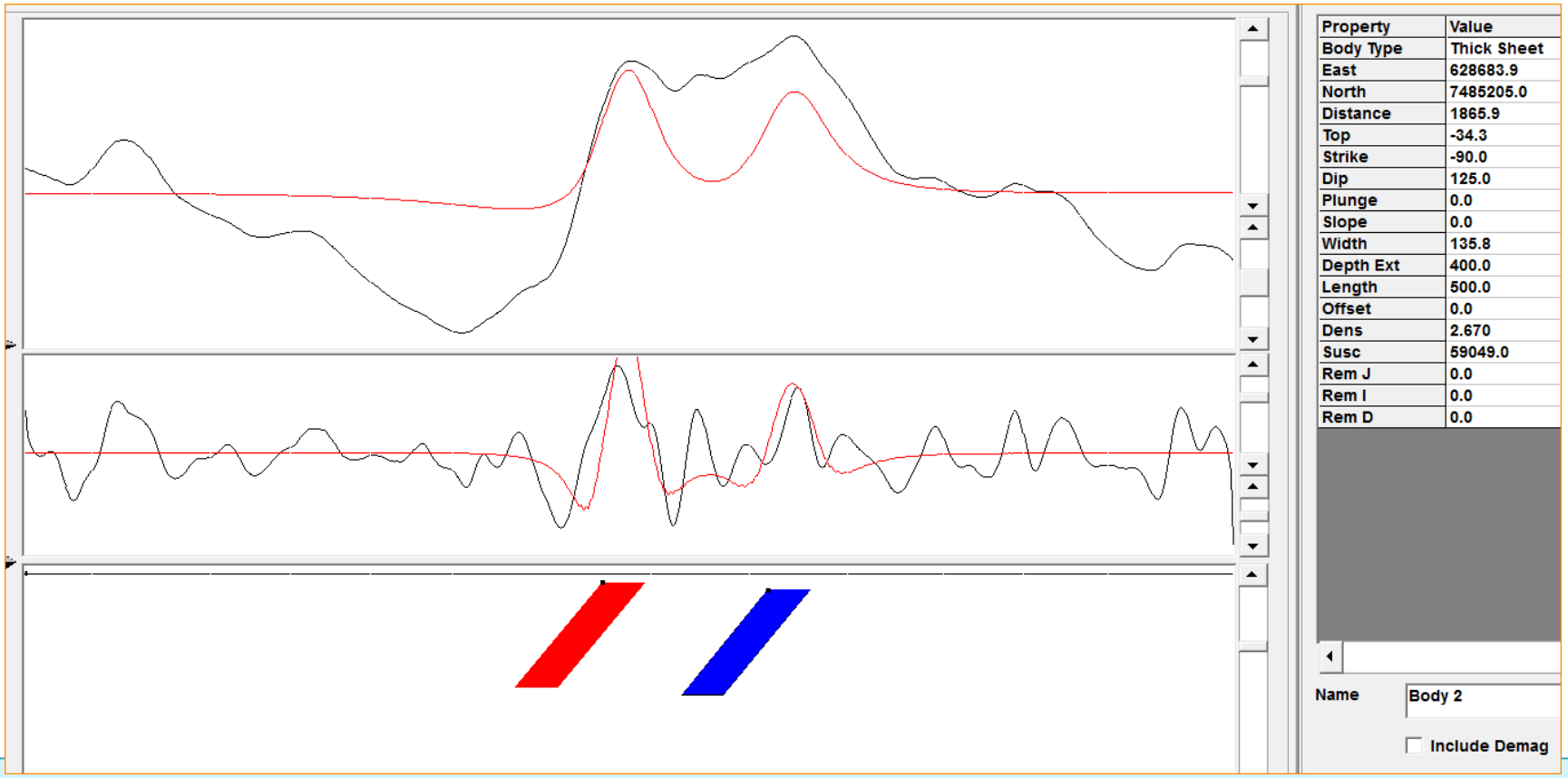
AREA 7

AREA 2

AREA 1

AREA 8

Area 1 32330 Profile



Hard to fit given large low to south