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SOUTHERN GEOSCIENCE
CONSULTANTS

MEMORANDUM

TO	Costica Vieru, Laura Petrella - Thundelarra Exploration Limited
FROM	Russell Mortimer
DATE	13/01/2016
REPORT NO.	SGC3037
RE	Allamber Project - HP DHTeM Survey Documentation / Summary Results

1 INTRODUCTION

High Powered Downhole TEM (HP DHTeM) logging of 5 RC drillholes (**TML011RC, TML014RC, TAL126RC, TAL136RC and TAL141RC** - 852m logging) was completed at two prospects (Ox-Eyed Herring West and Copperfield) within the Allamber Project between the 28th September and 6th October 2015 by Outer Rim Exploration Services Pty. Ltd. (ORE) on behalf of Thundelarra Exploration Limited.

HP DHTeM surveying was pursued for the local prospect areas of interest given the clear relationship from drilling between the intersections of copper mineralisation and presence of significant iron sulphides (pyrite-pyrrhotite).

This memorandum documents the HP DHTeM surveying completed to date and mainly focuses on the interpretation/modelling results for the primary anomalies/targets of interest with follow-up drill targeting provided and strongly recommended.

All coordinates presented in this memorandum utilise the **GDA94** Datum and **MGA52** grid projection. RL surface reference is directly referenced to elevations recorded by the GPS unit (nominally ~135RL for Ox Eyed Herring and ~190RL for Copperfield).

Aims of the surface HP DHTeM surveying:

- To confirm any inhole bedrock conductors intersected by drilling and define any additional/potential offhole anomalism of interest.
- To provide any additional drill targets for untested/offhole DHTeM anomalies still deemed to be of potential ongoing exploration interest.
- To provide an effective means of progressing exploration efforts within exploration licences utilising the most recent/best available high powered EM technology.
- To aid ongoing geological mapping efforts by identifying conductive stratigraphy/sulphide units/geometries and complexity.

2 SURVEY DETAILS

The transmitter loops utilised during this HP DHTeM campaign (**OX5**, **OX6**, **CF1** and **CF2**) to date have been powered by an ORE HPTX new generation high powered transmitter working at ~80-100A (single turn loops). All planned transmitter loop positions were aimed at coupling well with the overall expected dip/plunge of the target geological sequences in the local Allamby project area. **Tables 1 to 3** below provides more detailed summaries and loop locations for the HP DHTeM efforts respectively. **Figures 1 and 2** highlight the overall HP DHTeM surveying completed during the 2015 programme.

Table 1: DHTeM Specifications

Surveyed By	Outer Rim Exploration Services Pty. Ltd.
Survey Date	28 th September to 6 th October, 2015
Survey Type	DHTeM
Transmitter	ORE HPTX
Base Frequency	0.83 - 1.67Hz (150-300msec time base)
Loops and Sizes	4 loops, from 200x200m to ~250x350m dimensions
Current	~80-100 Amps
Receiver	Crone PEM
Sensor/Probe	Crone 3-component dB/dt probe
Readings/Stacks	2 repeatable readings @ 128-256 stacks for Z and XY surveying
Probe Noise Levels	<0.15nT/s Z, <0.3nT/s XY
Areas Surveyed	Ox-Eyed Herring West, Copperfield
Crew Leaders	Darrell Saunderson

Table 2: Summary of DHTeM Acquisition

Hole ID	Tx Loops	Tx Base Frequency (Hz)	Data Components	Prospect Area	Survey Date	Survey Start (m)	Survey End (m)	EOH (m)	Coverage (m)
TALC126RC	OX6	1.67	ZXY	Ox-Eyed Herring West	29/9/2015	10	150	~156	140
TALC136RC	OX6	1.67	ZXY	Ox-Eyed Herring West	28/9/2015	10	280	~282	270
TALC136RC*	OX6	0.83	ZXY	Ox-Eyed Herring West	3/10/2015	80	200	~282	120
TALC141RC	OX5	1.67	ZXY	Ox-Eyed Herring West	1/10/2015	10	170	~179	160
TML011RC	CF2	1.67	ZXY	Copperfield	5/10/2015	10	57	~59	47
TML014RC	CF1	1.67	ZXY	Copperfield	6/10/2015	10	125	~155	115
				Totals					852

* - Relog of **TAL136RC** with lower base frequency given strong late channel offhole anomalism

Table 3: DHTeM - Transmitter Loop Coordinates

Loop	Size	Turns	Tx Corner 1	Tx Corner 2	Tx Corner 3	Tx Corner 4	RL Level
OX5	300 x 250m	1	822525E, 8497800N	822825E, 8497800N	822825E, 8498050N	822525E, 8498050N	~145
OX6	250 x 350m	1	822842E, 8497706N	823090E, 8497954N	822913E, 8498130N	822665E, 8497883N	~132
CF1	200 x 200m	1	803475E, 8465275N	803675E, 8465275N	803675E, 8465475N	803475E, 8465475N	~190
CF2	200 x 200m	1	802407E, 8464543N	802548E, 8464684N	802407E, 8464826N	802265E, 8464684N	~203

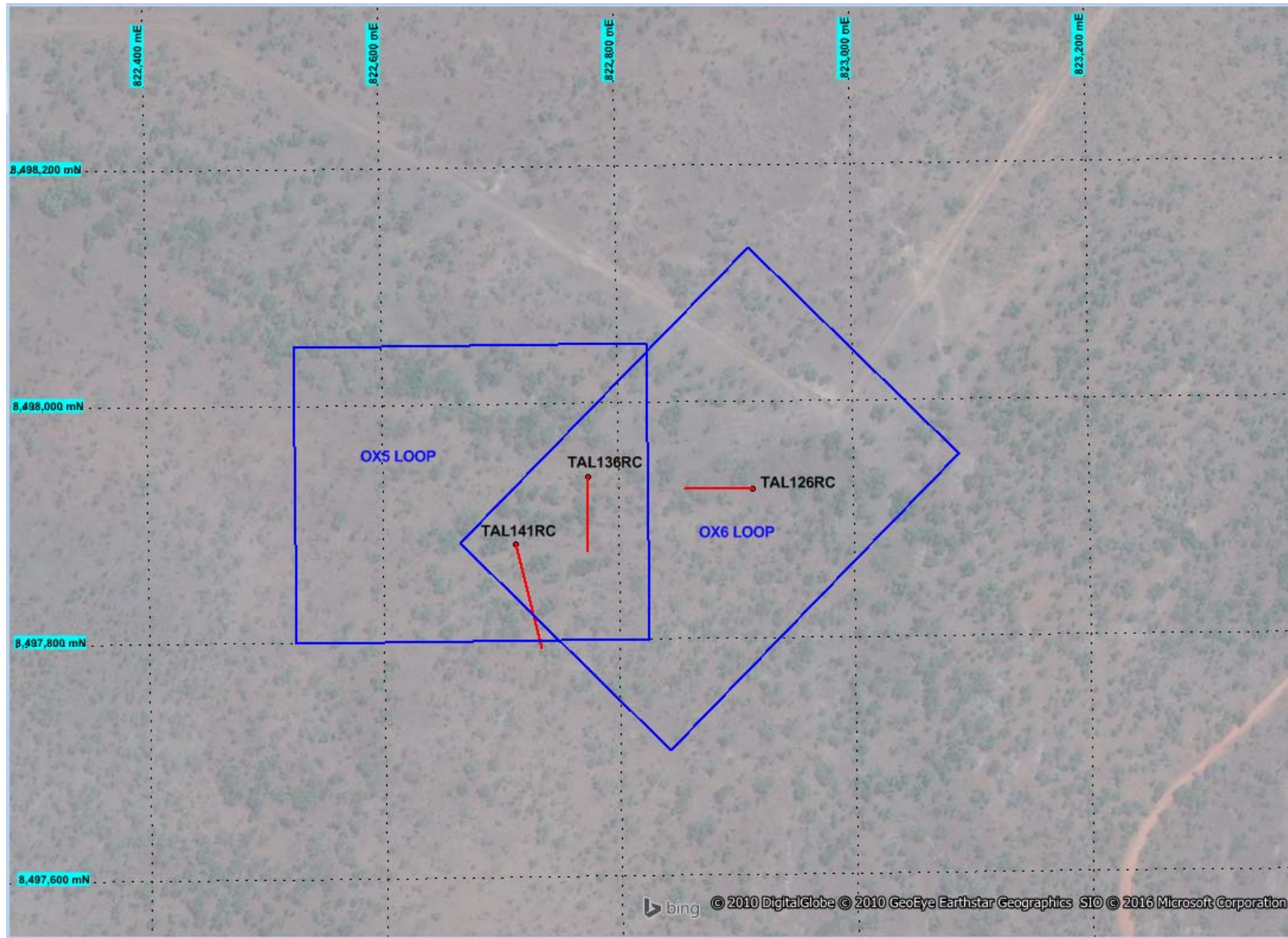


Figure 1 - Allamber HP DHTeM Surveying - Ox-Eyed Herring West 2015 - Loops and Collars over BING Satellite Imagery

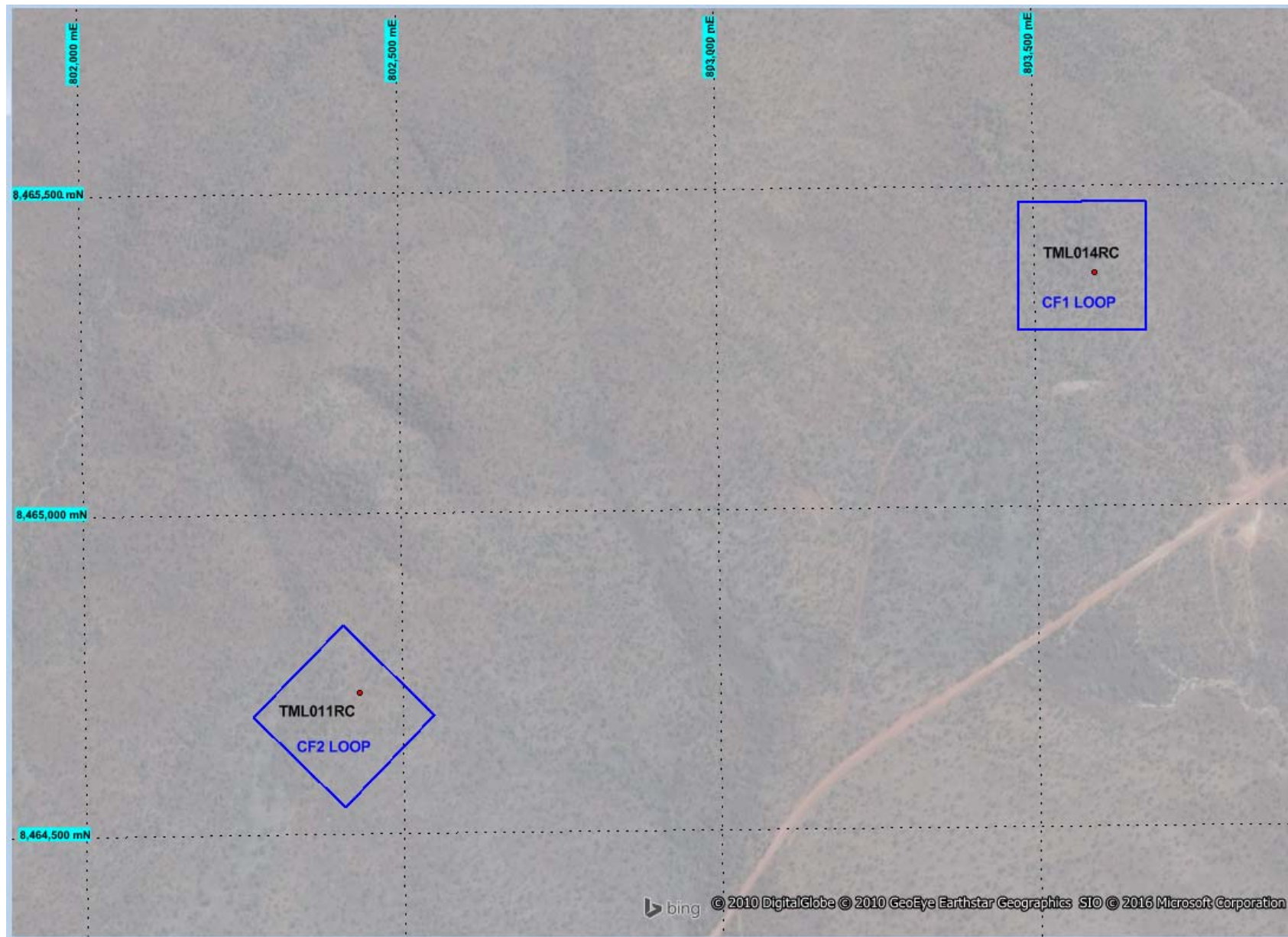


Figure 2 - Allamber HP DTEM Surveying - Copperfield 2015 - Loops and Collars over BING Satellite Imagery

3 PROCESSING AND FINAL DATA

All DHTeM data were delivered by Outer Rim Exploration Services Pty. Ltd. as AMIRA format ASCII text files. All quality control and data analysis were carried out using Maxwell EM software. Final data files received from Outer Rim and also final processed data files for all the surveys accompany this report. Mapinfo format data files for final survey locations (collars and loops) also accompany this report.

Profiles of the final DHTeM data are presented in **Appendix 1**. These profile plots use both logarithmic and linear presentations to best summarise the observed data.

All final DHTeM model results are supplied with this report in 3D DXF, Surpac string/DTM and mapinfo 2D file formats.

4 DATA AND INTERPRETATION

This report outlines the survey parameters/specifications, production details, modelling and interpretation for the HP DHTeM survey programme completed at the Allamby Project.

A total of 5 holes were surveyed with DHTeM (**TAL126RC**, **136RC**, **141RC**, **TML011RC** and **TML014RC**) between the 28th September and 6th October 2015, totalling 852m of logging. DHTeM interpretation and modelling details are outlined below for each of the prospect areas.

4.1 DHTeM

HP DHTeM logging was performed at two prospect areas (Ox-Eyed Herring West and Copperfield), with primary focus being at Ox-Eyed Herring West given coherent existing intersections of well-developed copper mineralisation associated with significant iron sulphides (pyrite-pyrrhotite). A detailed account of the DHTeM surveying completed, observations, modelling/interpretation and follow-up targeting for all prospects is provided in the following sections.

4.1.1 OX-EYED HERRING WEST PROSPECT

Three exploration drillholes at the Ox-Eyed Herring West prospect were logged with HP DHTeM (**TAL126RC**, **TAL136RC** and **TAL141RC**). Significant copper sulphide mineralisation has been intersected in several holes:

TAL126RC - ~2m @ ~1.17%Cu from ~144-146m DH

TAL136RC - ~8m @ ~2.31%Cu from ~112-120m DH (includes ~5m @ 4.23%Cu from ~113-118m DH)

TAL140RC - ~6m @ ~1.58%Cu from ~182-188m DH

HP DHTeM surveying was aimed at defining any significant inhole/offhole anomalies relating to the copper mineralisation intersected and potential depth/lateral extensions, stronger zones of interest.

TAL126RC

TAL126RC (822914E, 8497926N, 134RL, ~156m EOH) was surveyed from 10-150m at 2-10m stations (**OX6** loop) on the 29th September 2015. Noise levels in the three component data were low averaging <0.15nT/s in Z data and <0.3nT/s in XY data. The 1.67Hz base frequency utilized for this DHTeM survey was clearly suitable for the local environment with overburden / background conductivity conditions being low and background being reached by ~CH20-25 (~1.9-4.5msec delay).

Resultant **TAL126RC** DHTeM data highlighted the presence of a dominant inhole/offhole anomaly centred at ~145-147m DH which is clearly coincident with intersected copper mineralisation and an additional upper offhole anomaly centred at ~135m DH.

In late channels strong offhole anomalism is apparent and clearly consists of two/multiple offhole conductors, an upper conductor at ~135m DH (**TAL126RC_1**) where the associated conductive source margin is situated ~25m above and right of the drillhole (WNW of the hole). The lower offhole conductor at ~146m DH (**TAL126RC_2**) is situated/centred immediately below and left of the drillhole (below/south of the hole).

Maxwell modelling of the observed HP DHTeM anomalism has confirmed the initial manual interpretation with localised strongly conductive sources (~6000-14000S) situated above/WNW and below/south of the hole (**Figure 3**). The upper conductor has limited areal size (~15x25m+), but could well extend strike/plunge wise toward **TAL136RC** (SW) which had a similar/likely related strong offhole conductor (see below). This conductive source appears to have shallow east dip/geometry and is highly conductive at >10000S (time constant/tau >25msec). Drill targeting is recommended as the conductive unit may well be consistent with high grade Cu mineralisation:

TAL126RC_1 follow-up - 822839E, 8497912N, ~134RL, 80dip > 000az, ~110-140m target depth, ~175m EOH

The lower conductor has reasonable areal extent (~25x>100m) and demonstrates steep east/sub-vertical geometry and strong conductance levels at ~6000S (time constant/tau >25msec). It should be noted that this conductive source has not been coupled optimally with the loop utilised at this stage, meaning there may be additional complexity/additional conductors in the vicinity of the hole. Nonetheless drill targeting is recommended as the conductive unit may well be consistent with high grade Cu mineralisation:

TAL126RC_2 follow-up - 822940E, 8497905N, ~134RL, 65dip > 270az, ~150-200m target depth, ~225m EOH

TAL136RC

TAL136RC (822774E, 8497937N, 130RL, ~282m EOH) was surveyed from 10-280m at 1-10m stations (**OX6** loop) between the 28th September and 3rd October 2015. Noise levels in the three component data were low averaging <0.15nT/s in Z data and <0.3nT/s in XY data. The 1.67Hz base frequency utilized for this DHTeM survey was clearly suitable for the local environment with overburden / background conductivity conditions being low and background being reached by ~CH20-25 (~1.9-4.5msec delay). An additional lower base frequency (0.83Hz) log section (80-200m DH) was completed given the presence of a highly conductive offhole source/anomaly.

TAL136RC DHTeM data defined a well-developed inhole anomaly between ~110-120m DH (**TAL136RC_1**) which is clearly coincident with intersected copper sulphide mineralisation (~8m @ 2.31%Cu from ~112-120m DH) and an additional very strong offhole anomaly centred between ~125m and ~165m DH (**TAL136RC_2**). The associated conductive source is of reasonable areal size with the margin situated ~25m SE of the hole.

Maxwell modelling of this strong offhole anomalism has confirmed the initial interpretation with a localised strongly conductive source (>20000S) situated above/SE of the hole (**Figure 4**). This conductor has reasonable areal size (~20x40m+), but could well extend strike/plunge wise toward **TAL126RC** (NE) which had a similar/likely related strong offhole conductor (see above). This conductive source appears to have shallow east/SE dip and is highly conductive at >20000S (time constant/tau >60msec). Drill targeting is recommended as the conductive unit may well be consistent with high grade Cu mineralisation:

TAL136RC_2 follow-up - 822799E, 8497871N, ~130RL, 80dip > 000az, ~110-150m target depth, ~175-200m EOH

An additional weak inhole/offhole anomaly was apparent at ~180-195m DH (**TAL136RC_3**). The associated anomaly is of limited strength and defined primarily in the early-mid channel DHTeM data. The related conductive source appears to be of limited dimensions and/or electrical continuity. Radial XY data indicates that the intersected conductive source is centred below and west of the drillhole. It is unclear at this stage whether this DHTeM anomalism is potentially related to sulphide mineralisation / core checks should be made.

TAL141RC

TAL141RC (822712E, 8497881N, 134RL, ~179m EOH) was surveyed from 10-170m at 1-10m stations (**OX5** loop) on the 1st October 2015. Noise levels in the three component data were low averaging <0.15nT/s in Z data and <0.3nT/s in XY data. The 1.67Hz base frequency utilized for this DHTeM survey was clearly suitable for the local environment with overburden / background conductivity conditions being low and background being reached by ~CH20-25 (~1.9-4.5msec delay).

A broad, moderate strength offhole anomaly was observed in the mid-channel data for **TAL141RC** between ~60m and EOH/end of logging at ~170m DH (**TAL141RC_1**). Assessment of this offhole anomaly highlights the associated source has reasonable areal dimensions (>30x150m) and is situated below and dominantly west of the hole at least ~50-75m to the margin. Modelling has been attempted but is deemed to be poorly constrained given complexity with this conductive source, the interaction with the known highly conductive sources to the NE relating to **TAL126RC/TAL136RC** and not optimally positioned transmitter loop for coupling. It is recommended that relogging of **TAL141RC** be completed with an alternate loop design during the upcoming 2016 exploration programme.

4.1.2 COPPERFIELD PROSPECT

Two exploration drillholes at the Copperfield prospect were surveyed with HP DHTeM (**TML011RC** and **TML014RC**) to highlight potential inhole/offhole anomalism and guide any further drill testing. Drilling to date was aimed at testing ~NNW-SSE trending inferred shear zones where soil/rock chip copper and gold anomalism was identified in sampling. DHTeM surveying was aimed at outlining any significant inhole/offhole anomalies.

TML011RC

TML011RC (802432E, 8464721N, 203RL, ~59m EOH) was surveyed from 10-57m at 2-5m stations (**CF2** loop) on the 5th October 2015. Noise levels in the three component data were low averaging <0.15nT/s in Z data and <0.3nT/s in XY data. The 1.67Hz base frequency utilized for this DHTeM survey was clearly suitable for the local environment with overburden / background conductivity conditions being low and background being reached by ~CH20-25 (~1.9-4.5msec delay).

No significant DHTeM anomalism was observed in the resultant **TML011RC** dataset.

TML014RC

TML014RC (803594E, 8465364N, 190RL, ~155m EOH) was surveyed from 10-125m at 5-10m stations (**CF1** loop) on the 6th October 2015. Noise levels in the three component data were low averaging <0.15nT/s in Z data and <0.3nT/s in XY data. The 1.67Hz base frequency utilized for this DHTeM survey was clearly suitable for the local environment with overburden / background conductivity conditions being low and background being reached by ~CH20-25 (~1.9-4.5msec delay).

No significant DHTeM anomalism was observed in the resultant **TML014RC** dataset.

4.1.3 OVERALL DHTM RESULTS DISCUSSION

Localised, strongly conductive offhole sources (>6000S) defined in **TAL126RC (TAL126RC_1** and **TAL126RC_2)** and **TAL136RC (TAL136RC_2)** are clearly of significant interest in terms of there being well developed/high grade copper sulphide mineralisation. There is a clear correlation of weak to moderate copper mineralisation coincident / at the same stratigraphic level as these offhole conductors so are recommended for immediate follow-up in the 2016 exploration programme. Although the strong conductors are potentially narrow in width, there may well be quite a reasonable strike/plunge extent present (ie. linking the **TAL126RC** and **TAL136RC** conductors together - [Figure 5](#)) and given favourable drill results/mineralisation additional potential may well be present along strike/down plunge beyond these holes.

The additional weak inhole/offhole anomaly defined in **TAL136RC (TAL136RC_3)** at ~180-195m DH should be investigated with core checks at those depths to highlight whether there is any mineralisation present/prospectivity at this level downhole.

A broad, moderate strength offhole anomaly identified in **TAL141RC (TAL141RC_1)** should be followed up with additional DHTM utilising an alternate coupling loop design given apparent complexity in the local environment.

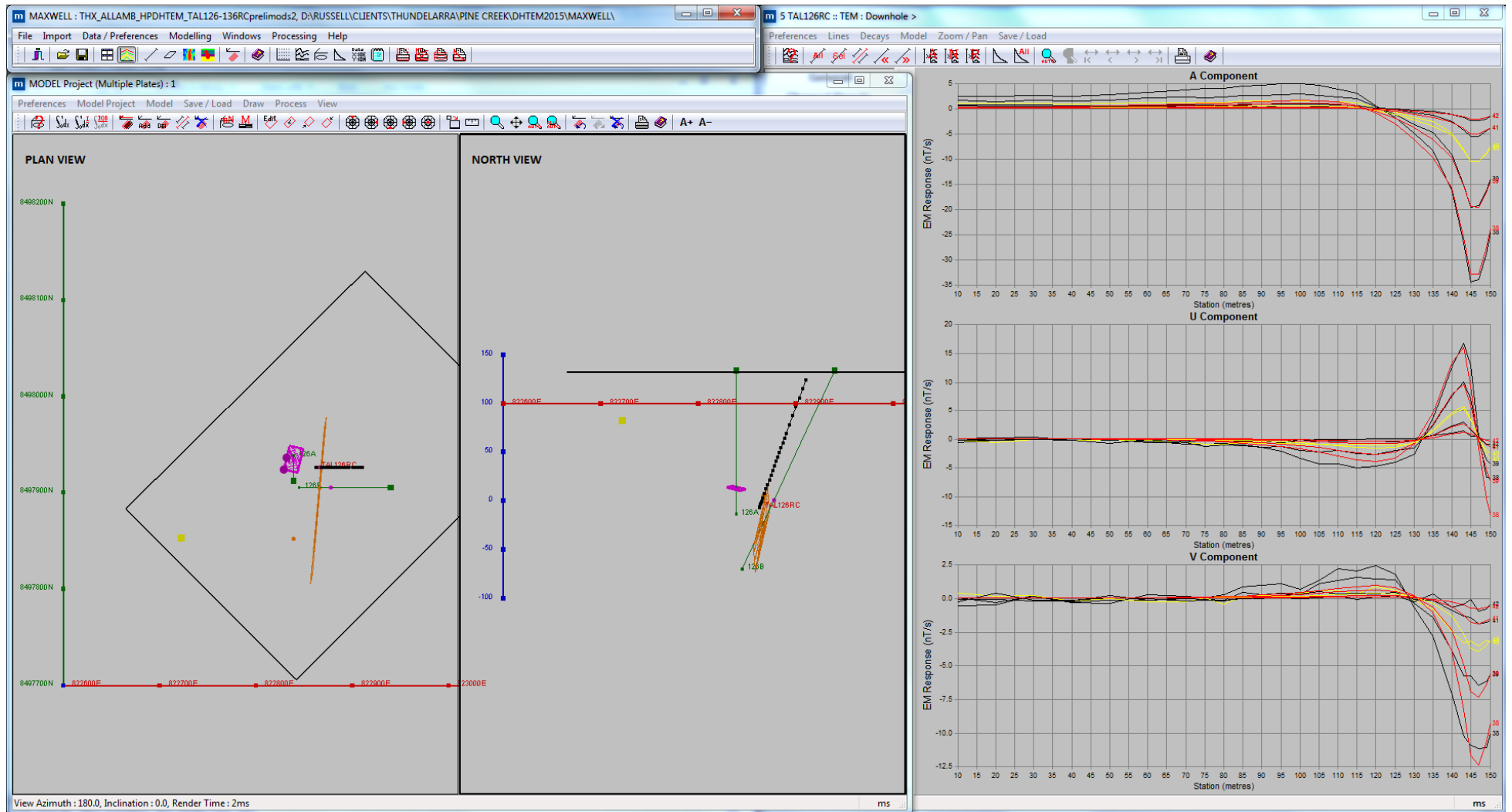


Figure 3 - Ox-Eyed Herring West DHEM Model Results / Proposed Drill Targeting - TAL126RC

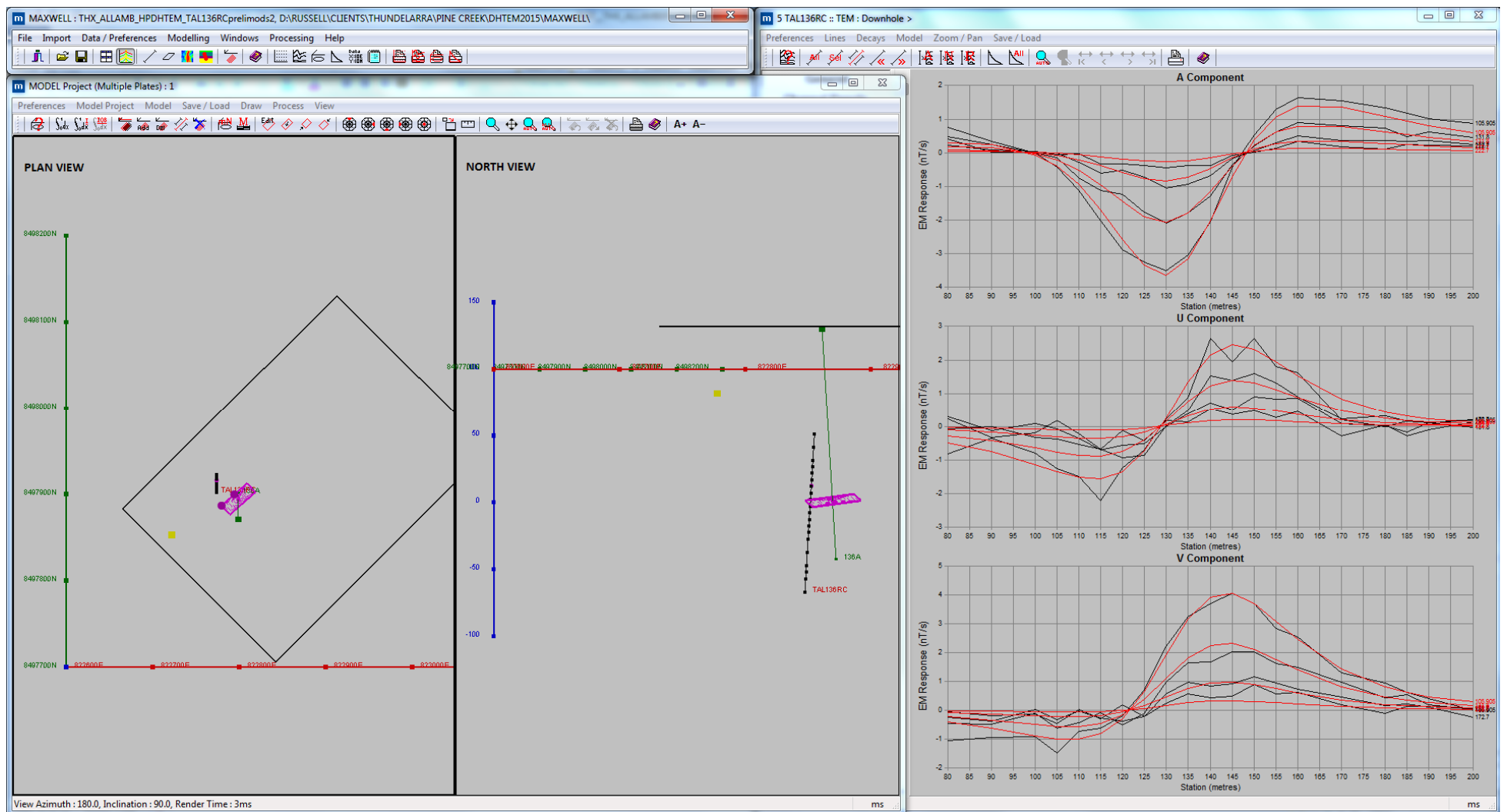


Figure 4 - Ox-Eyed Herring West DHEM Model Results / Proposed Drill Targeting - **TAL136RC**

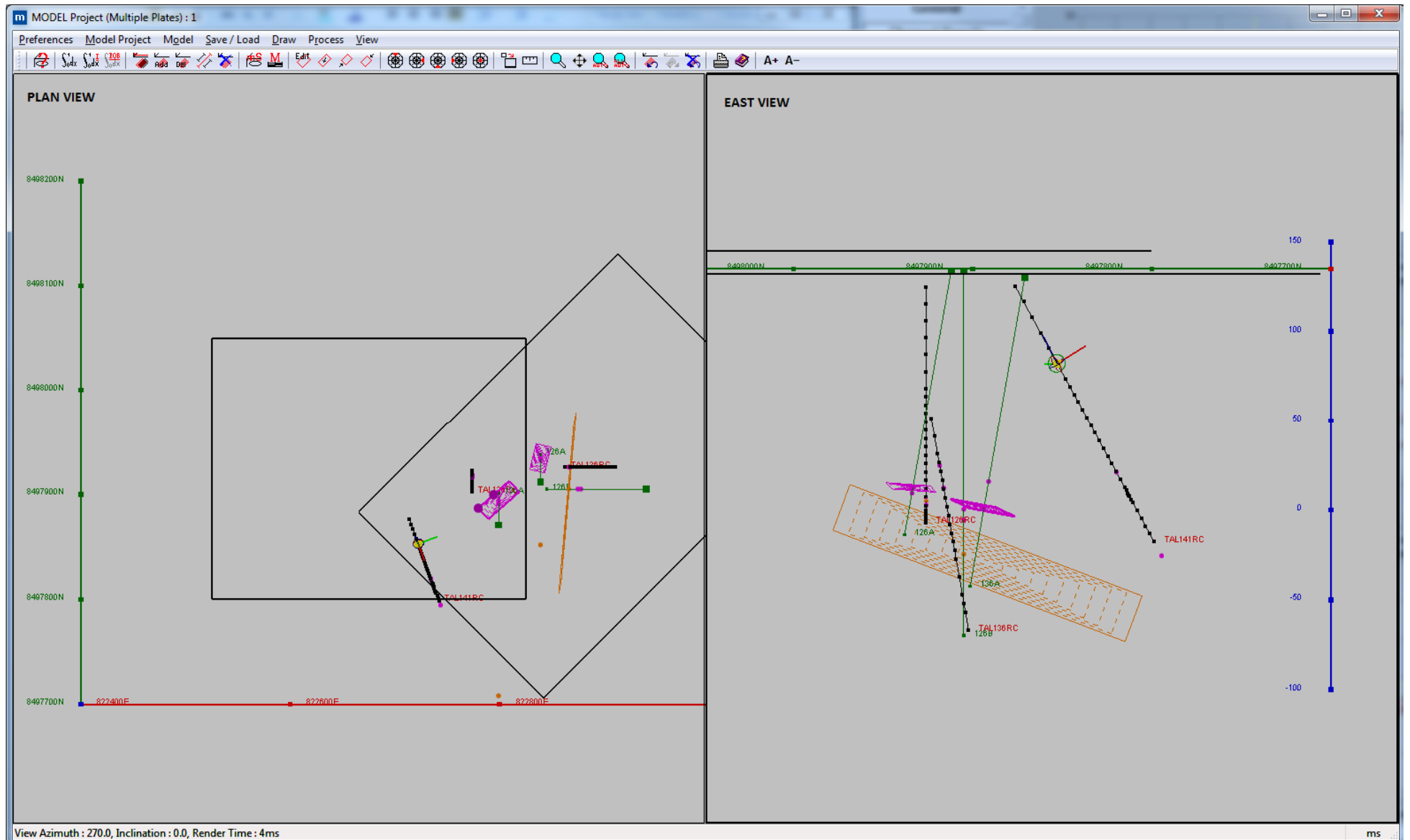


Figure 5 - Ox-Eyed Herring West DHEM Model Results / Proposed Drill Targeting - All Compiled Final Models

5 CONCLUSIONS AND RECOMMENDATIONS

- High Powered Downhole TEM (HP DHTeM) logging of 5 RC drillholes (**TML011RC**, **TML014RC**, **TAL126RC**, **TAL136RC** and **TAL141RC**) was completed at two exploration prospects within the Allamber Project between the 28th September and 6th October 2015 by Outer Rim Exploration Services Pty. Ltd. (ORE) on behalf of Thundelarra Exploration Limited.
- HP DHTeM logging was performed at the Ox-Eyed Herring West and Copperfield prospects, with primary focus being at Ox-Eyed Herring West given coherent existing intersections of well-developed copper mineralisation associated with significant iron sulphides (pyrite-pyrrhotite). HP DHTeM surveying was aimed at defining any significant inhole/offhole anomalies relating to the copper mineralisation intersected and potential depth/lateral extensions, stronger zones of interest.
- Resultant **TAL126RC** DHTeM data highlighted the presence of a dominant inhole/offhole anomaly centred at ~145-147m DH which is clearly coincident with intersected copper mineralisation (~2m @ ~1.17%Cu from ~144-146m DH) and an additional upper offhole anomaly centred at ~135m DH.
- The upper conductor has limited areal size (~15x25m+), but could well extend strike/plunge wise toward **TAL136RC**. This conductive source appears to have shallow east dip/geometry and is highly conductive at >10000S (time constant/tau >25msec). Drill targeting is recommended as the conductive unit may well be consistent with high grade Cu mineralisation:

TAL126RC_1 target - 822839E, 8497912N, ~134RL, 80dip > 000az, ~110-140m target depth, ~175m EOH

- The lower conductor has reasonable areal extent (~25x>100m) and demonstrates steep east/sub-vertical geometry and strong conductance levels at ~6000S (time constant/tau >25msec). Drill targeting is recommended as the conductive unit may well be consistent with high grade Cu mineralisation:

TAL126RC_2 target - 822940E, 8497905N, ~134RL, 65dip > 270az, ~150-200m target depth, ~225m EOH

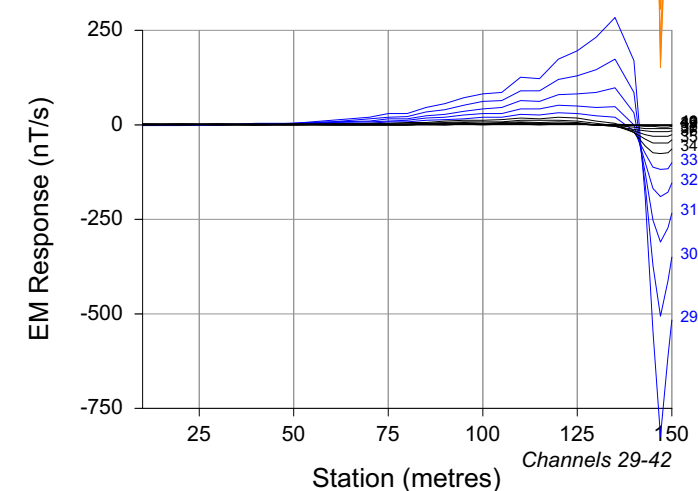
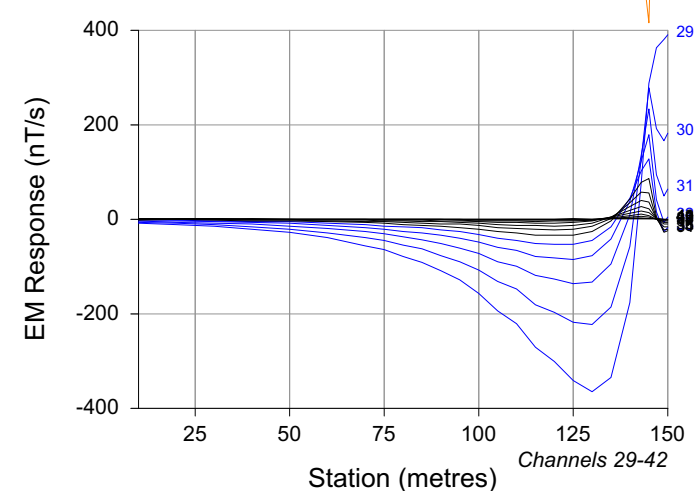
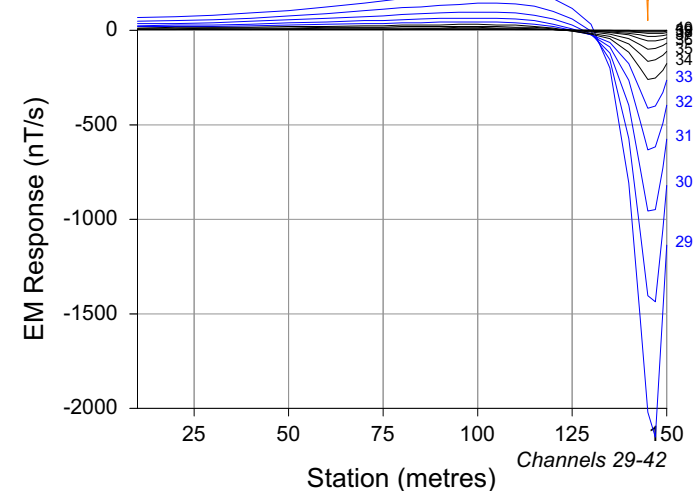
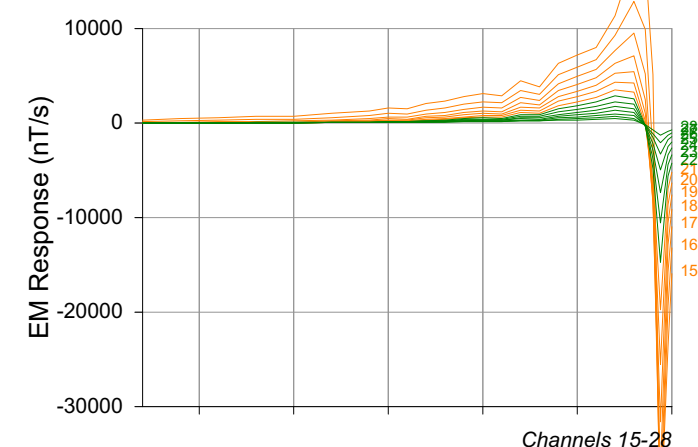
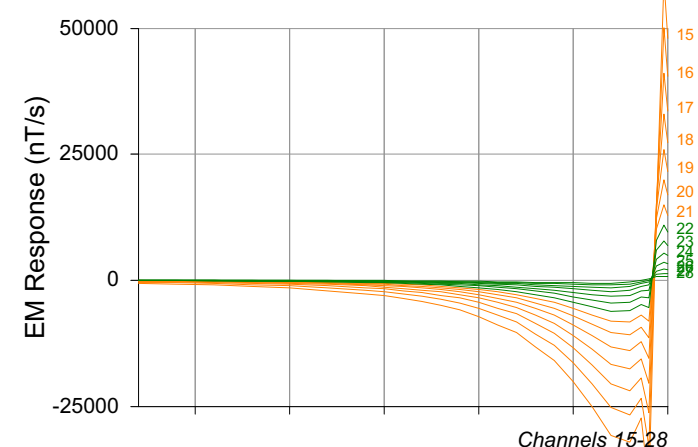
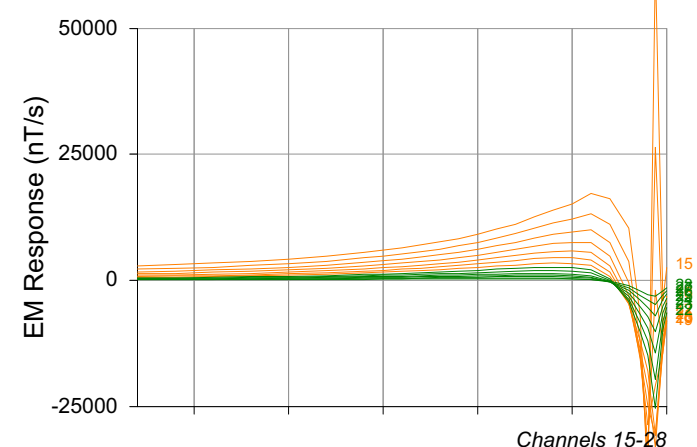
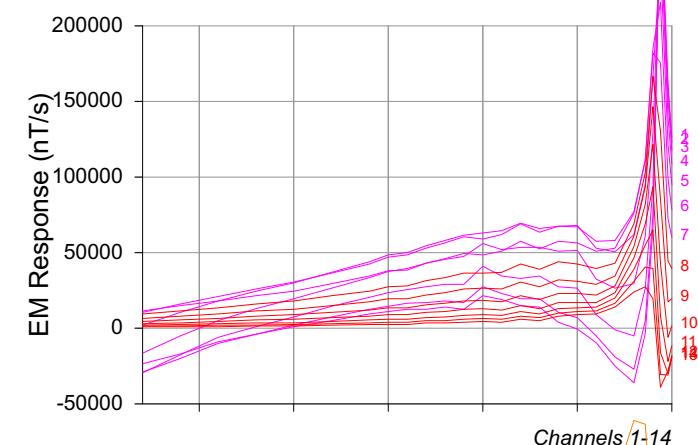
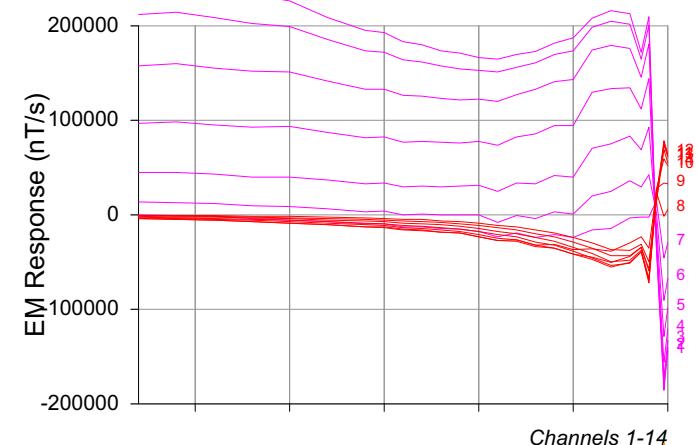
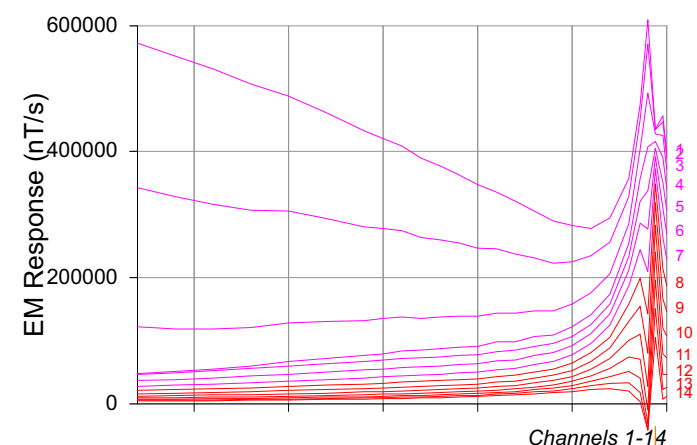
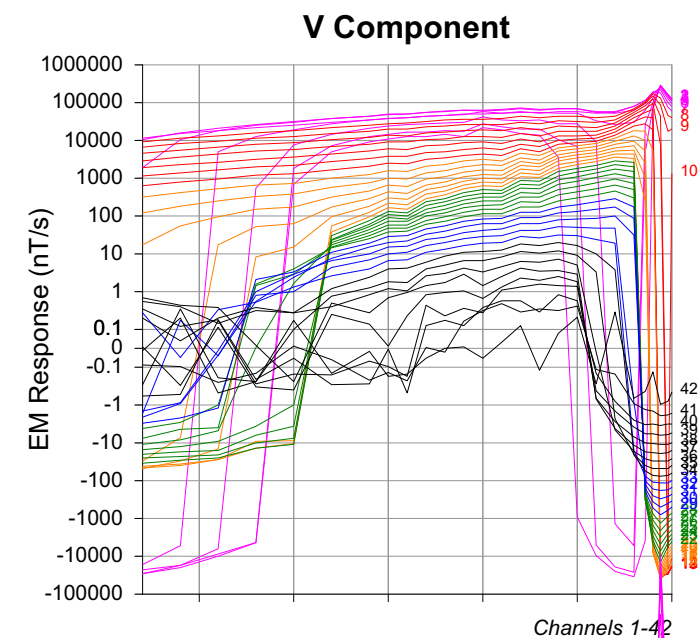
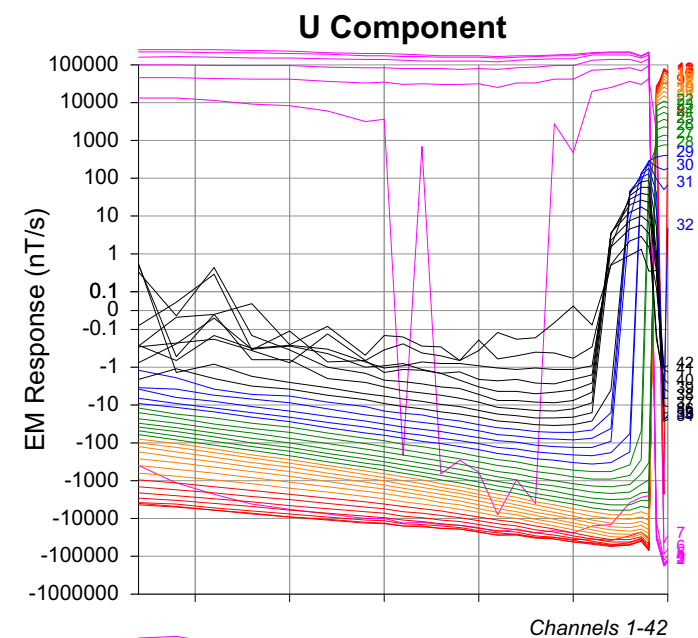
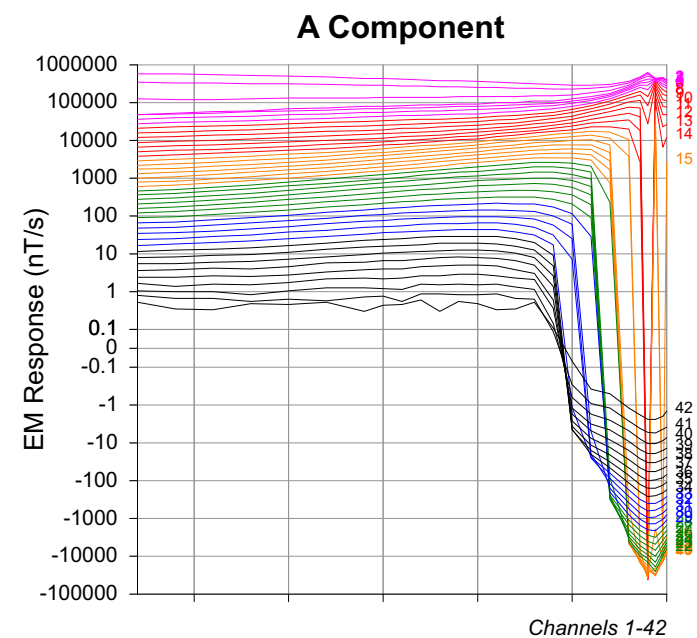
- **TAL136RC** DHTeM data defined a well-developed inhole anomaly between ~110-120m DH which is clearly coincident with intersected copper sulphide mineralisation (~8m @ 2.31%Cu from ~112-120m DH) and an additional very strong offhole anomaly (>20000S) centred between ~125m and ~165m DH. The associated conductive source is of reasonable areal size with the margin situated ~25m SE of the hole. Drill targeting is recommended as the conductive unit may well be consistent with high grade Cu mineralisation:

TAL136RC_2 target - 822799E, 8497871N, ~130RL, 80dip > 000az, ~110-150m target depth, ~175-200m EOH

- An additional weak inhole/offhole anomaly was apparent at ~180-195m DH in **TAL136RC**. The associated anomaly is of limited strength and defined primarily in the early-mid channel DHTeM data. It is unclear at this stage whether this DHTeM anomalism is of interest, core checks should be made.
- A broad, moderate strength offhole anomaly was observed in the mid-channel data for **TAL141RC** between ~60m and EOH/end of logging at ~170m DH. Assessment of this offhole anomaly highlights the associated source has reasonable areal dimensions (>30x150m) and is situated below and dominantly west of the hole at least ~50-75m to the margin. Modelling has been attempted but is deemed to be poorly constrained given complexity with this conductive source, the interaction with the known highly conductive sources to the NE relating to **TAL126RC/TAL136RC** and not optimally positioned transmitter loop for coupling. It is recommended that relogging of **TAL141RC** be completed during the upcoming 2016 exploration programme.
- No anomalies of significance were identified in the resultant **TML011RC** DHTeM dataset at the Copperfield Prospect.
- No anomalies of significance were identified in the resultant **TML014RC** DHTeM dataset at the Copperfield Prospect.
- HP DHTeM surveying is clearly a very effective exploration tool in the local Allamber Project area given the resistive nature of the local environment and correlation between copper sulphide mineralisation with significant iron sulphides (pyrite/pyrrhotite).

APPENDIX 1

DOWNHOLE TEM PROFILES



WINDOW TIMES (ms): Centre
From the start of the Ramp

1 : 0.2380	15 : 1.028	29 : 9.466
2 : 0.4400	16 : 1.162	30 : 11.36
3 : 0.4520	17 : 1.324	31 : 13.59
4 : 0.4660	18 : 1.520	32 : 16.35
5 : 0.4820	19 : 1.756	33 : 19.72
6 : 0.5020	20 : 2.042	34 : 23.74
7 : 0.5260	21 : 2.388	35 : 28.60
8 : 0.5560	22 : 2.804	36 : 34.47
9 : 0.5920	23 : 3.308	37 : 41.55
10 : 0.6340	24 : 3.916	38 : 50.11
11 : 0.6860	25 : 4.650	39 : 60.46
12 : 0.7500	26 : 5.536	40 : 72.95
13 : 0.8260	27 : 6.608	41 : 88.04
14 : 0.9180	28 : 7.902	42 : 106.3

SURVEY PARAMETERS

Contractor : Outer Rim Exploration Services
Configuration : Downhole
Station Spacing : 1-10 m
Hole Position : 822914mE 8497926mN 134mRL
Azimuth : 270°
Inclination : 70°
Datum / Projection : GDA94 MGA52

RECEIVER

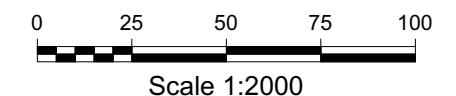
Receiver : CRONE
Component : A, U, V

TRANSMITTER

Transmitter : ORE HP
Tx Current : 100 A
Turn Off : 0.388 ms
Base Frequency : 1.67 Hz

TRANSMITTER LOOP CORNERS

1	: 822665mE 8497883mN
2	: 822913mE 8498130mN
3	: 823090mE 8497954mN
4	: 822842mE 8497706mN



Southern Geoscience Consultants Pty Ltd
ACN 067 552 461

THUNDELARRA EXPLORATION LTD.

Allamber Project

Ox-Eyed Herring Prospect

DHTEM Survey - A, U & V Components

Hole TAL126RC

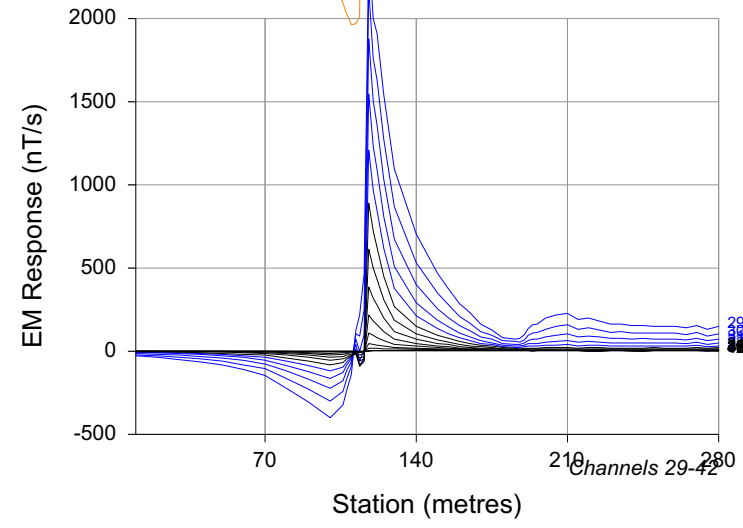
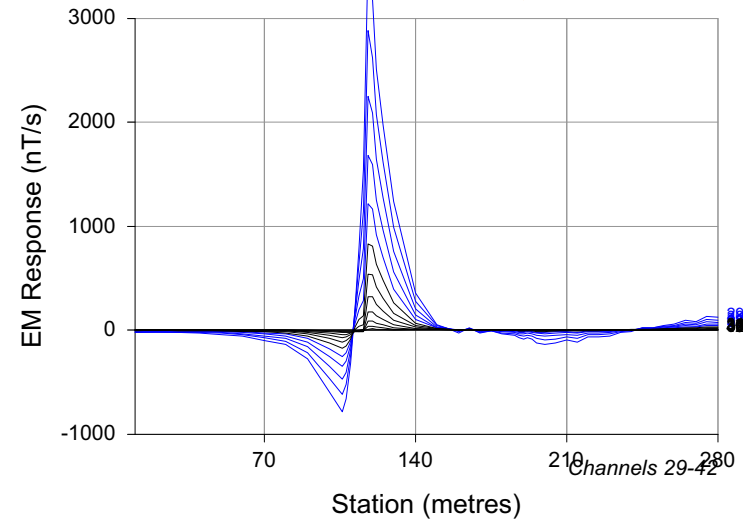
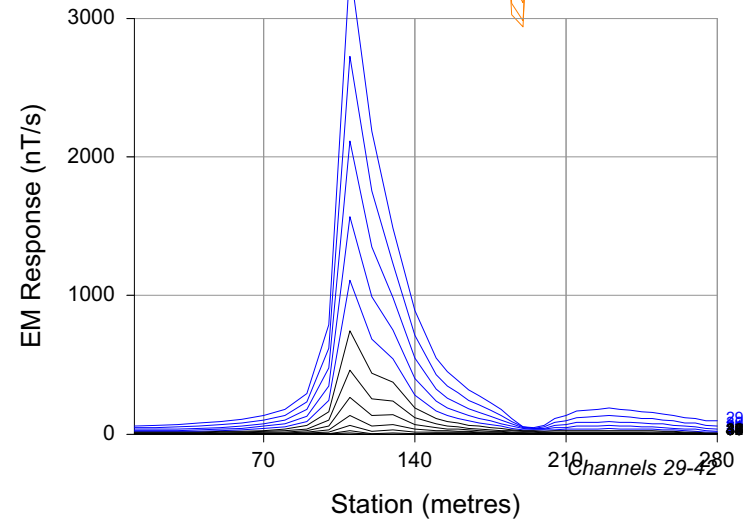
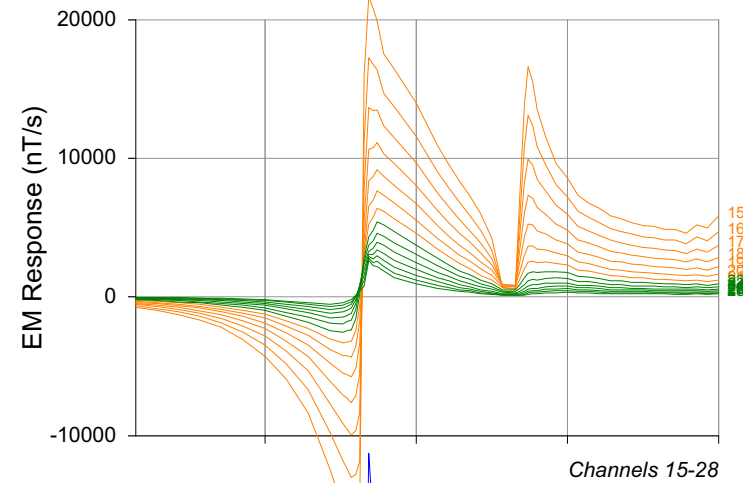
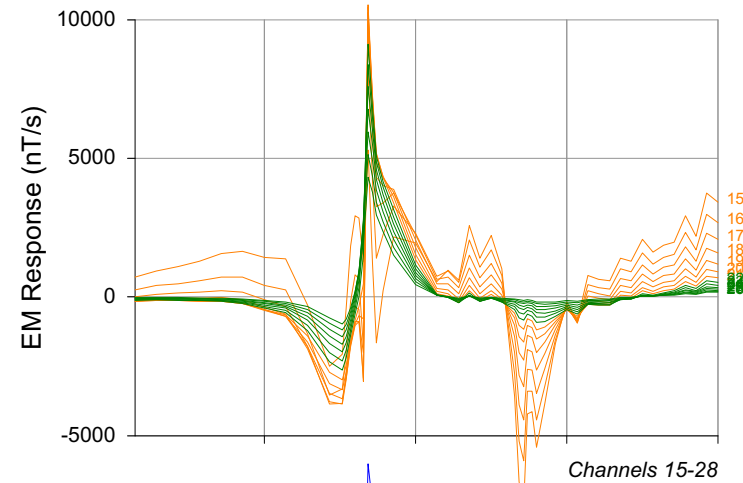
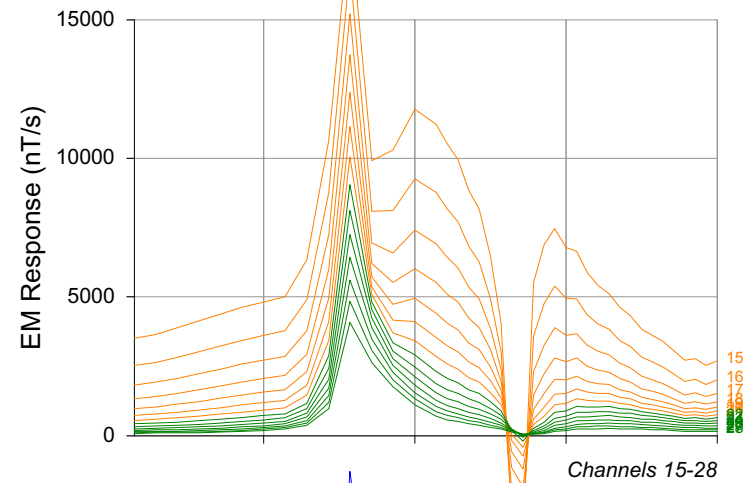
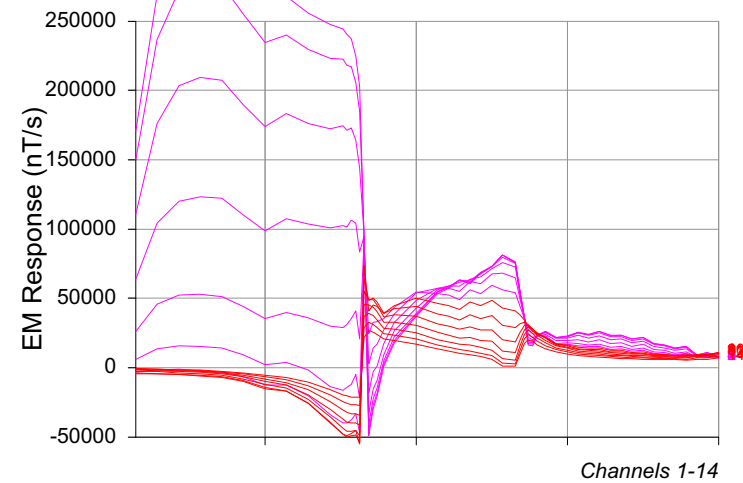
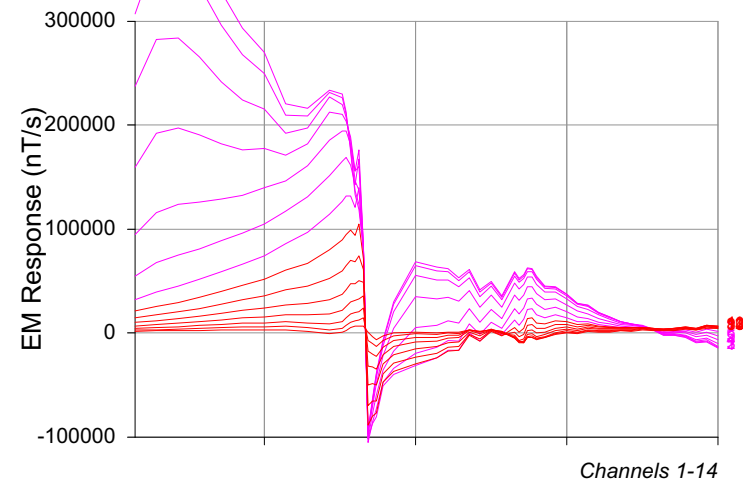
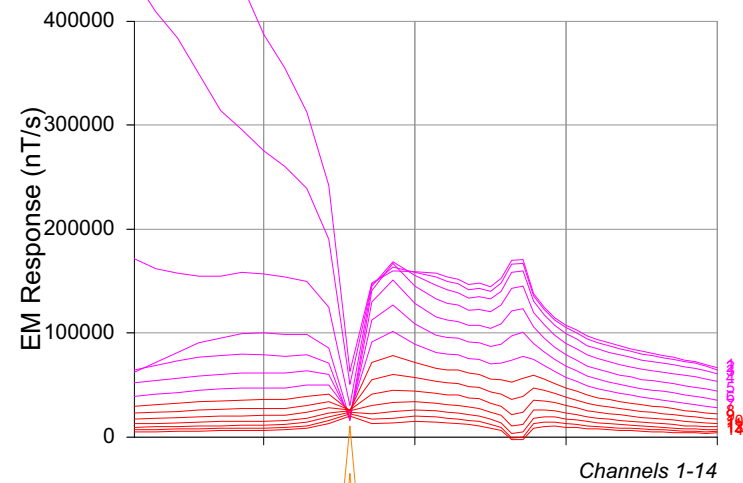
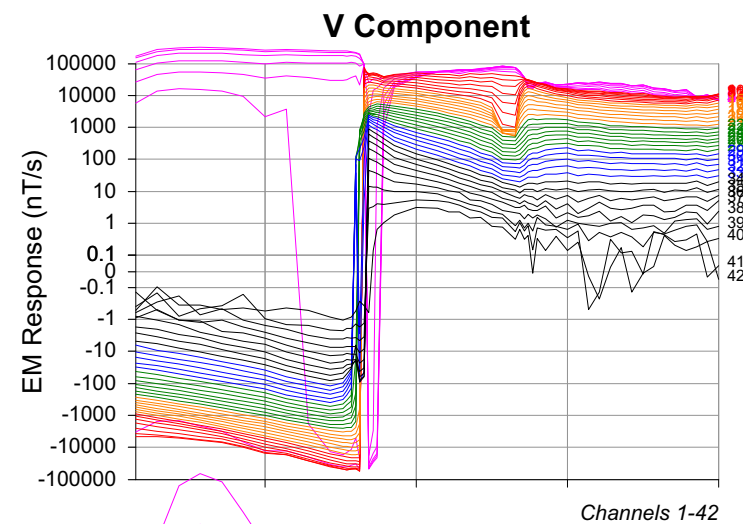
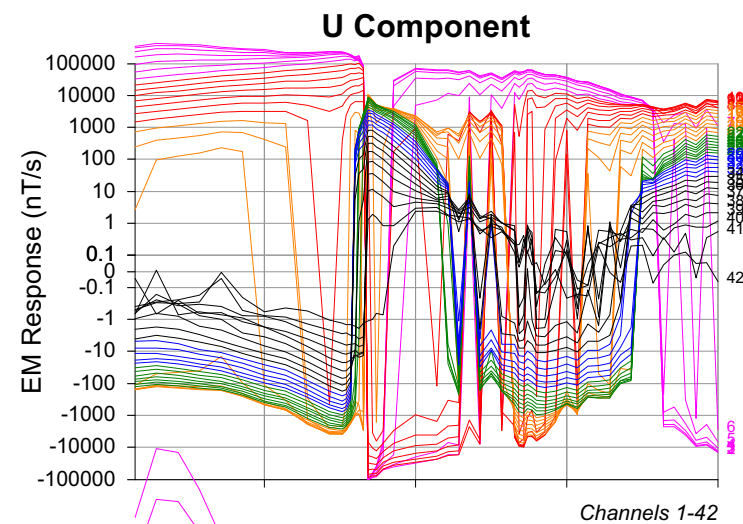
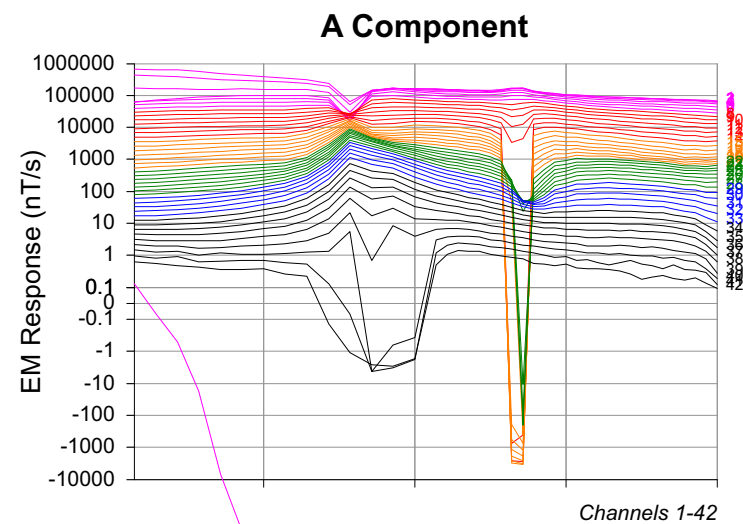
Loop OX6

Drawn: J. Trunfull

Date: 21/10/2015

Scale: 1:2,000

Figure:



**WINDOW TIMES (ms): Centre
From the start of the Ramp**

1 : 0.2380	15 : 1.028	29 : 9.466
2 : 0.4400	16 : 1.162	30 : 11.36
3 : 0.4520	17 : 1.324	31 : 13.59
4 : 0.4660	18 : 1.520	32 : 16.35
5 : 0.4820	19 : 1.756	33 : 19.72
6 : 0.5020	20 : 2.042	34 : 23.74
7 : 0.5260	21 : 2.388	35 : 28.60
8 : 0.5560	22 : 2.804	36 : 34.47
9 : 0.5920	23 : 3.308	37 : 41.55
10 : 0.6340	24 : 3.916	38 : 50.11
11 : 0.6860	25 : 4.650	39 : 60.46
12 : 0.7500	26 : 5.536	40 : 72.95
13 : 0.8260	27 : 6.608	41 : 88.04
14 : 0.9180	28 : 7.902	42 : 106.3

SURVEY PARAMETERS

Contractor : Outer Rim Exploration Services
Configuration : Downhole
Station Spacing : 1-10 m
Hole Position : 822774mE 8497937mN 130mRL
Azimuth : 180°
Inclination : 80°
Datum / Projection : GDA94 MGA52

RECEIVER

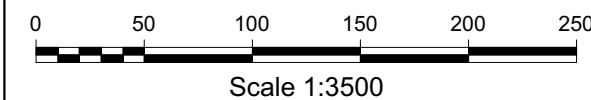
Receiver : CRONE
Component : A, U, V

TRANSMITTER

Transmitter : ORE HP
Tx Current : 100 A
Turn Off : 0.388 ms
Base Frequency : 1.67 Hz

TRANSMITTER LOOP CORNERS

1	: 822665mE 8497883mN
2	: 822913mE 8498130mN
3	: 823090mE 8497954mN
4	: 822842mE 8497706mN

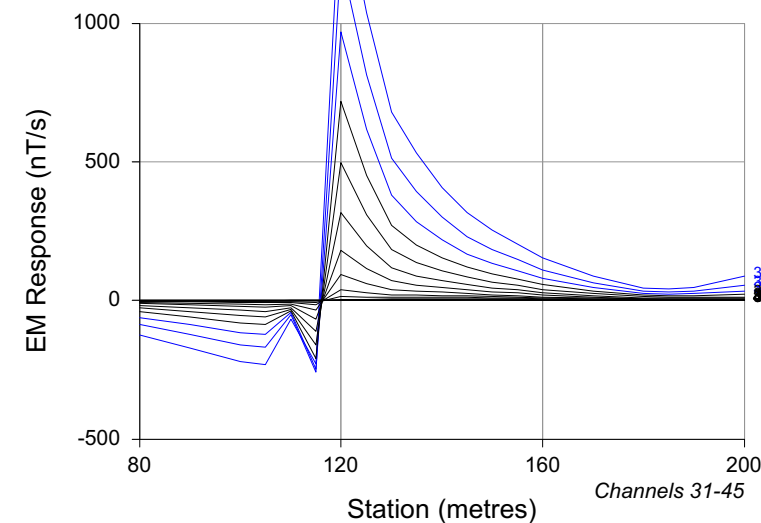
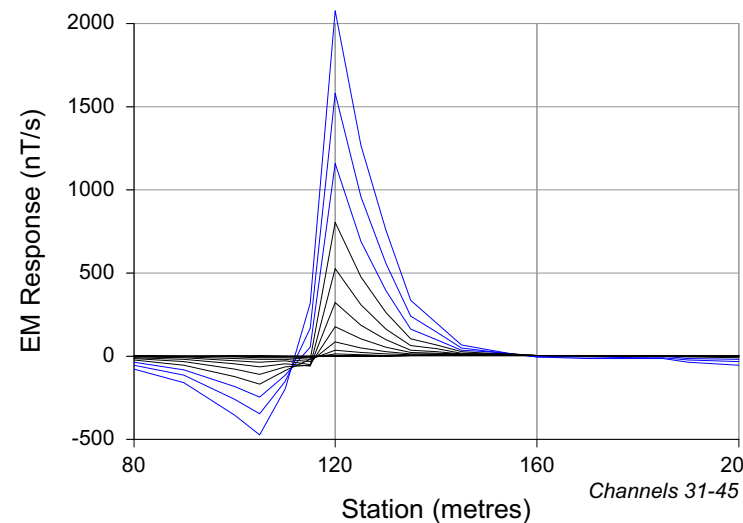
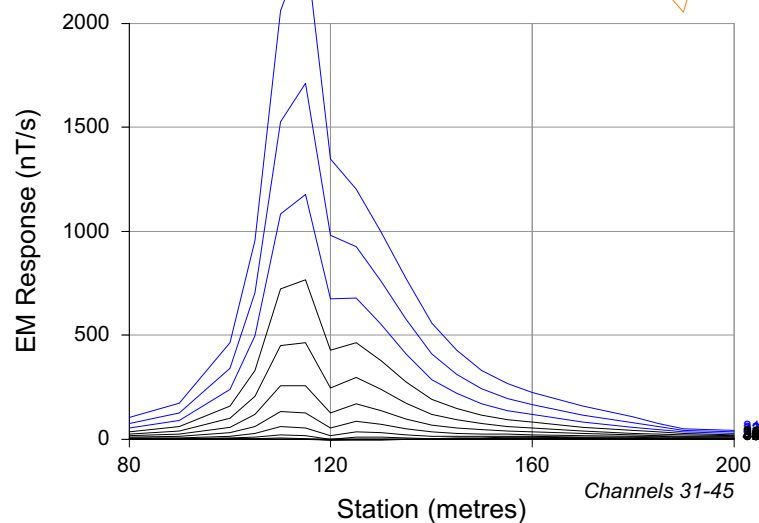
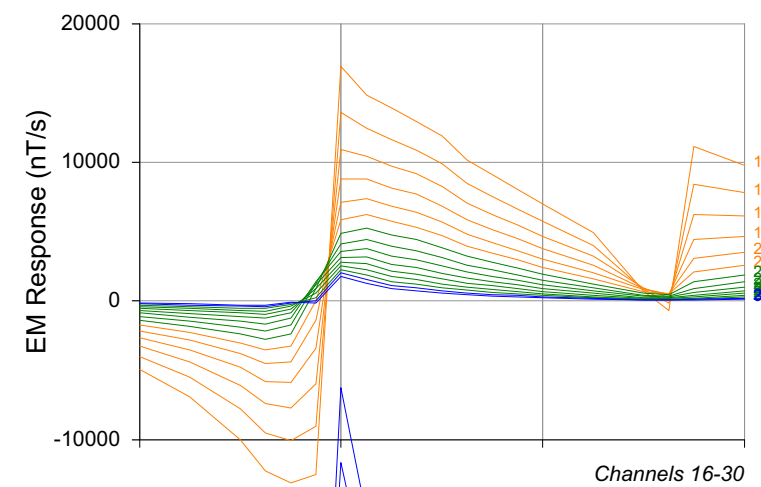
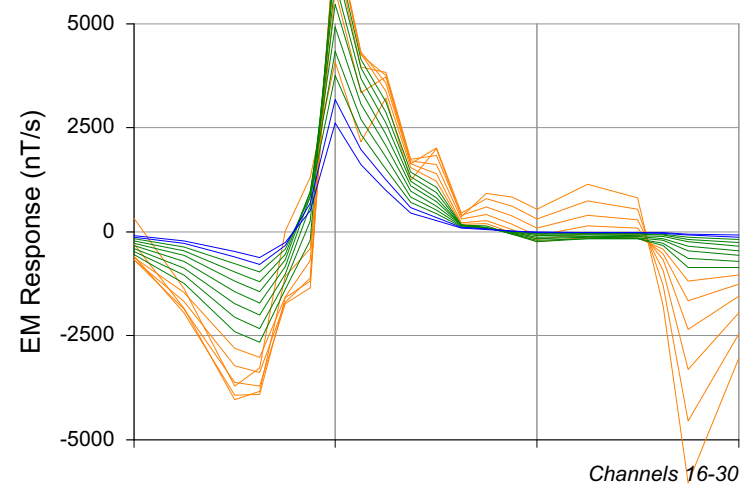
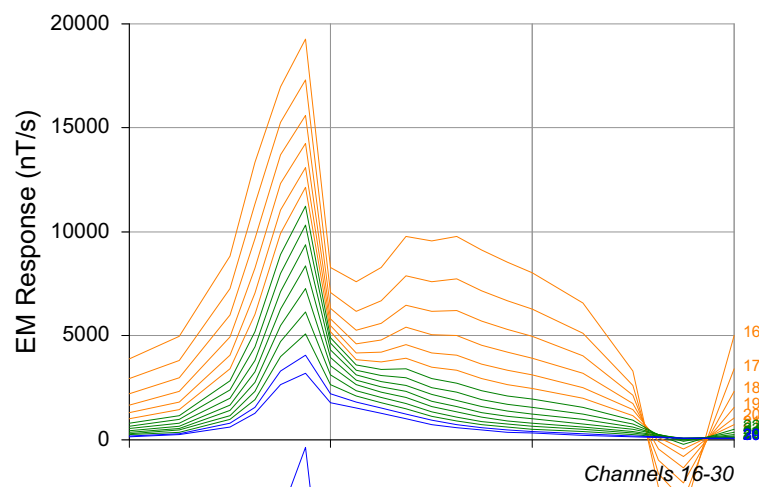
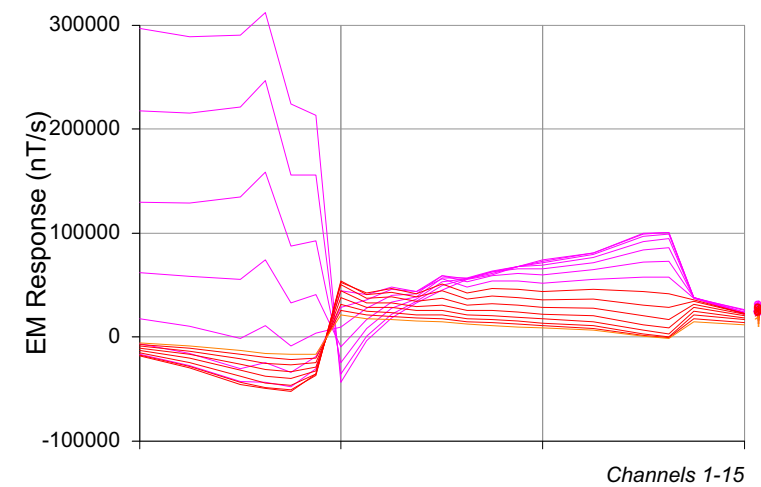
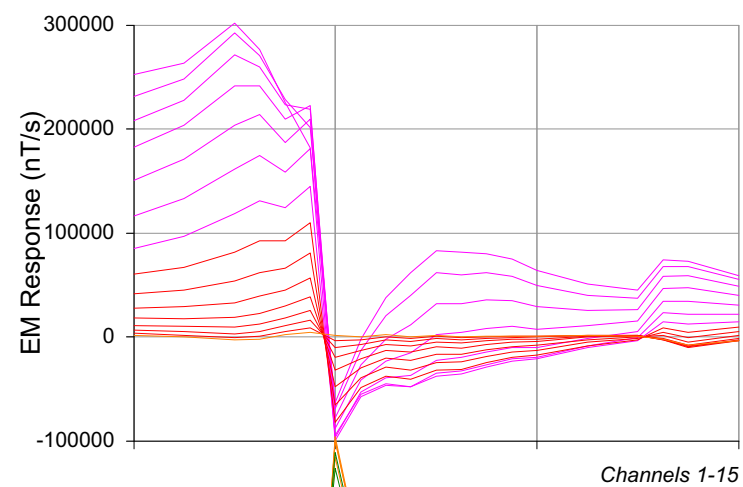
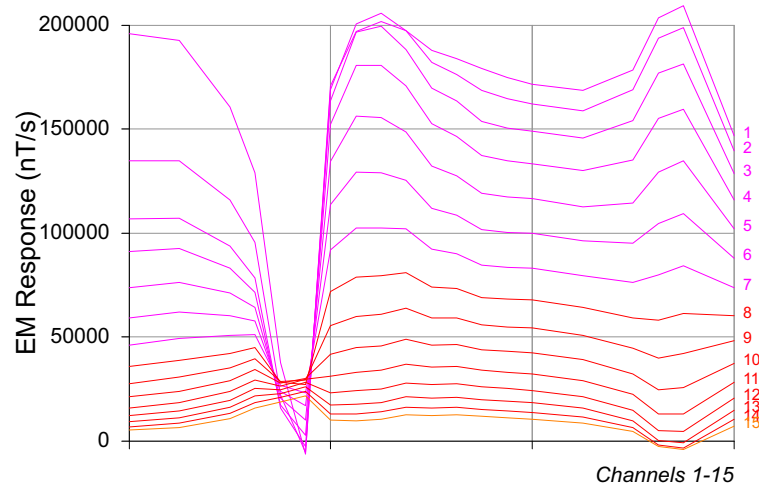
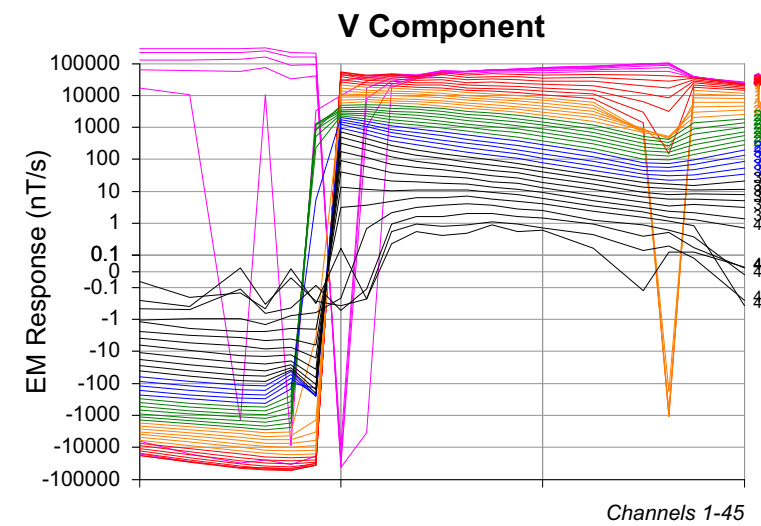
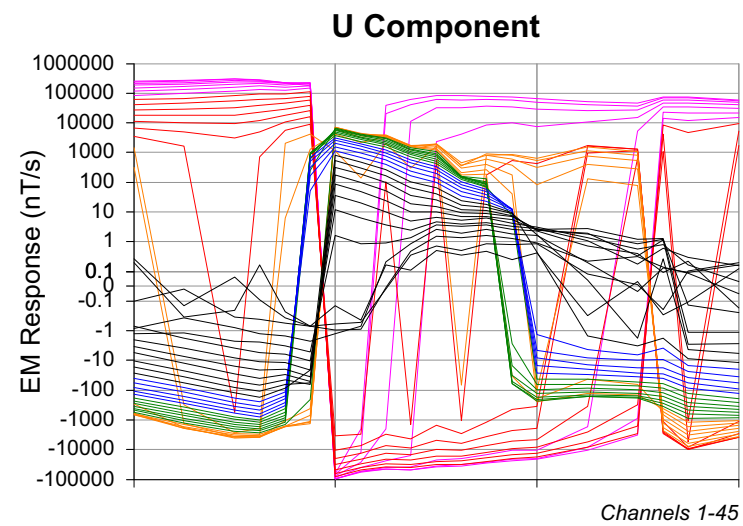
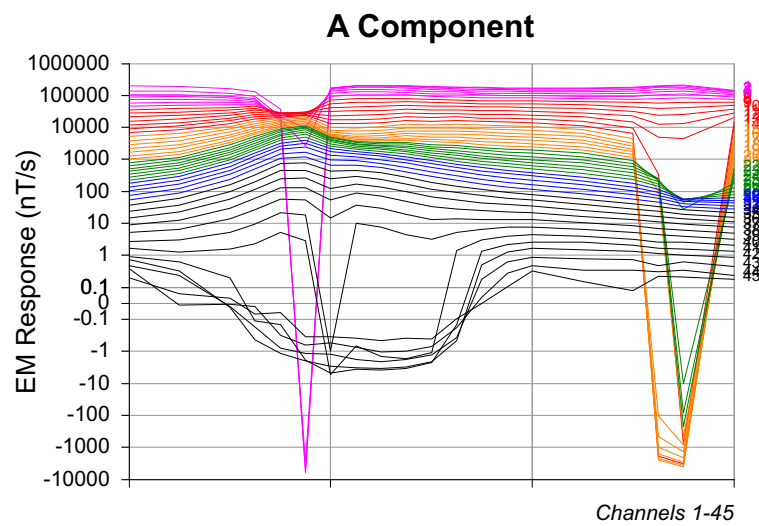


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THUNDELARRA EXPLORATION LTD.
Allamber Project
Ox-Eyed Herring Prospect
DHTEM Survey - A, U & V Components
Hole TAL136RC
Loop OX6

Drawn: J. Trunfull
Scale: 1:3,500

Date: 21/10/2015
Figure:



**WINDOW TIMES (ms): Centre
From the start of the Ramp**

1 : 0.1900	16 : 1.114	31 : 13.54
2 : 0.3920	17 : 1.276	32 : 16.30
3 : 0.4040	18 : 1.472	33 : 19.68
4 : 0.4180	19 : 1.708	34 : 23.70
5 : 0.4340	20 : 1.994	35 : 28.56
6 : 0.4540	21 : 2.340	36 : 34.42
7 : 0.4780	22 : 2.756	37 : 41.51
8 : 0.5080	23 : 3.260	38 : 50.07
9 : 0.5440	24 : 3.868	39 : 60.41
10 : 0.5860	25 : 4.602	40 : 72.91
11 : 0.6380	26 : 5.488	41 : 88.00
12 : 0.7020	27 : 6.560	42 : 106.2
13 : 0.7780	28 : 7.854	43 : 132.1
14 : 0.8700	29 : 9.418	44 : 173.0
15 : 0.9800	30 : 11.31	45 : 223.0

SURVEY PARAMETERS

Contractor : Outer Rim Exploration Services
Configuration : Downhole
Station Spacing : 5-10 m
Hole Position : 822774mE 8497937mN 130mRL
Azimuth : 270°
Inclination : 70°
Datum / Projection : GDA94 MGA52

RECEIVER

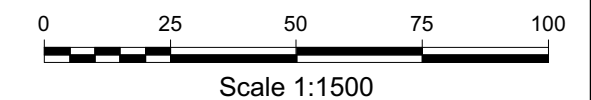
Receiver : CRONE
Component : A, U, V

TRANSMITTER

Transmitter : ORE HP
Tx Current : 100 A
Turn Off : 0.34 ms
Base Frequency : 0.833 Hz

TRANSMITTER LOOP CORNERS

1	: 822665mE 8497883mN
2	: 822913mE 8498130mN
3	: 823090mE 8497954mN
4	: 822842mE 8497706mN



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THUNDELARRA EXPLORATION LTD.

Allamber Project

Ox-Eyed Herring Prospect

DHTEM Survey - A, U & V Components

Hole TAL136RC

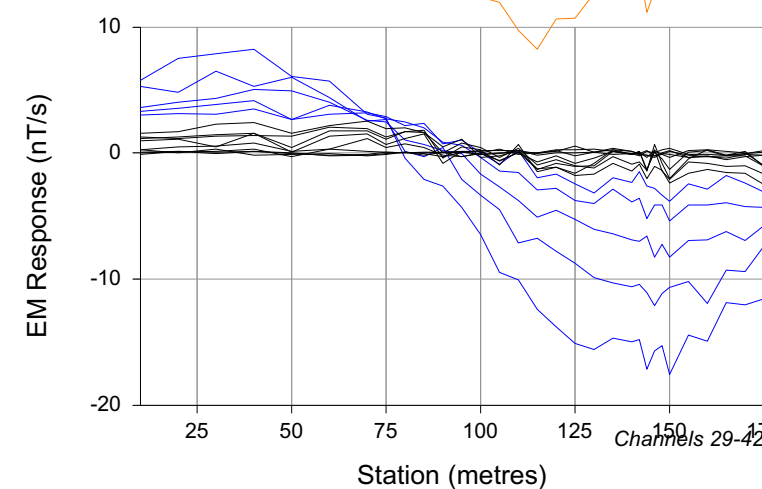
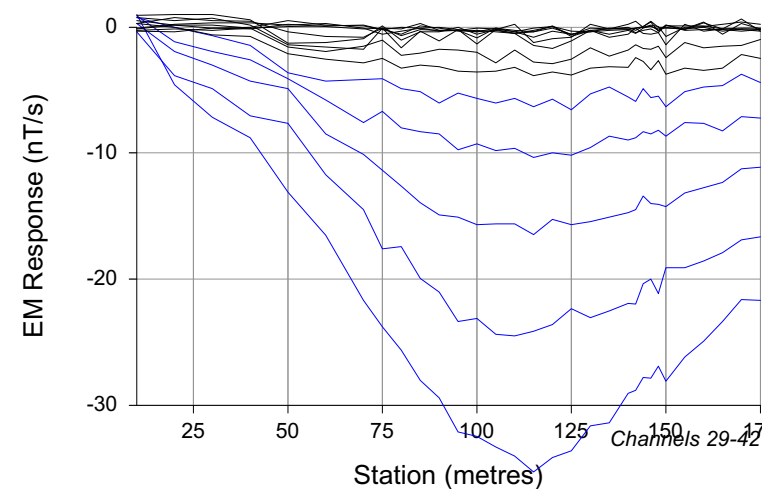
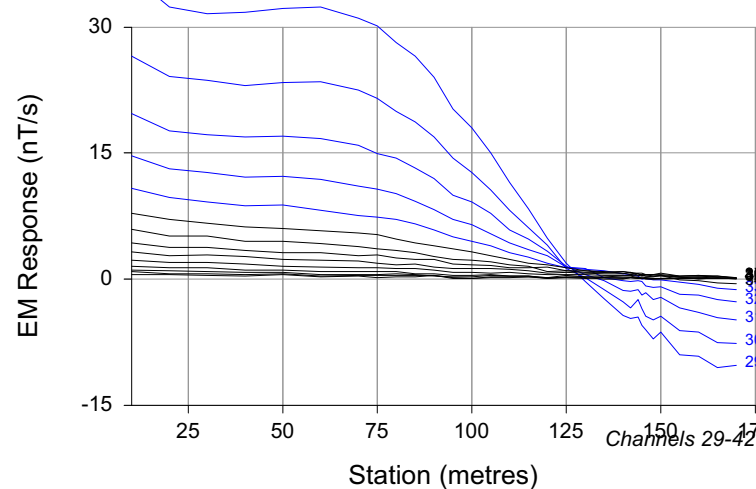
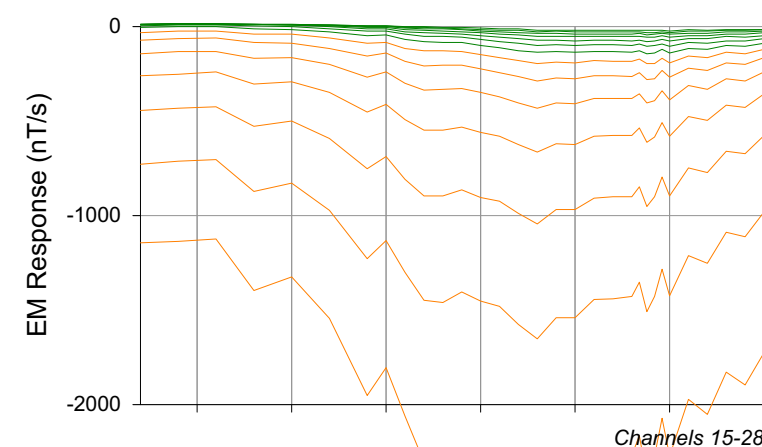
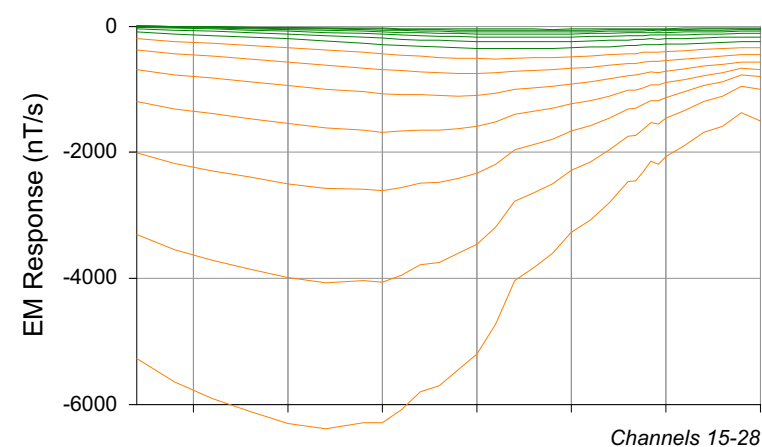
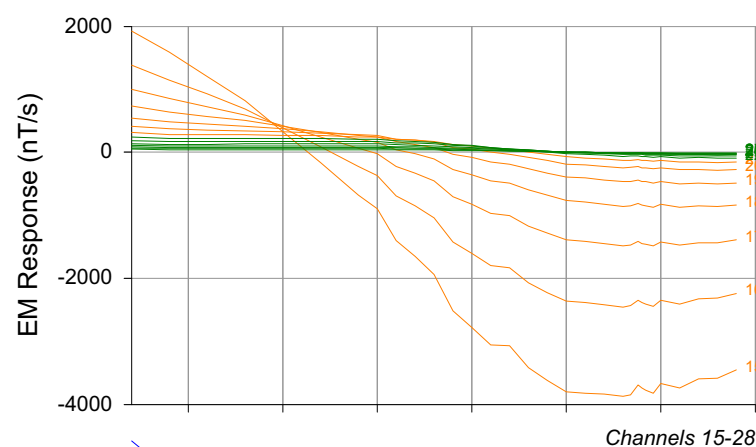
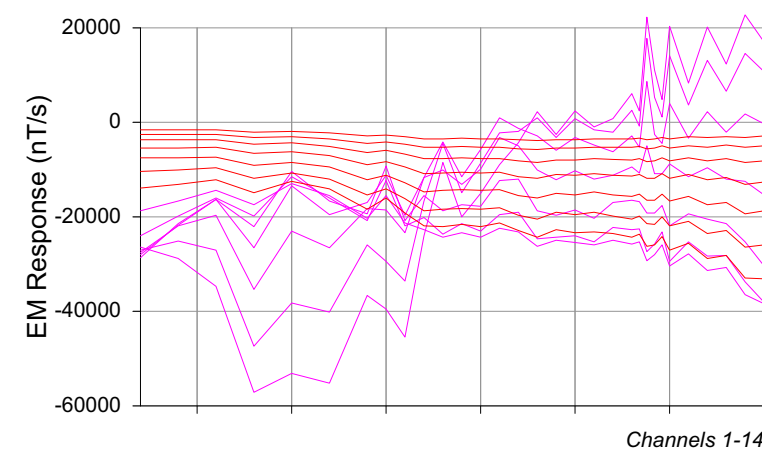
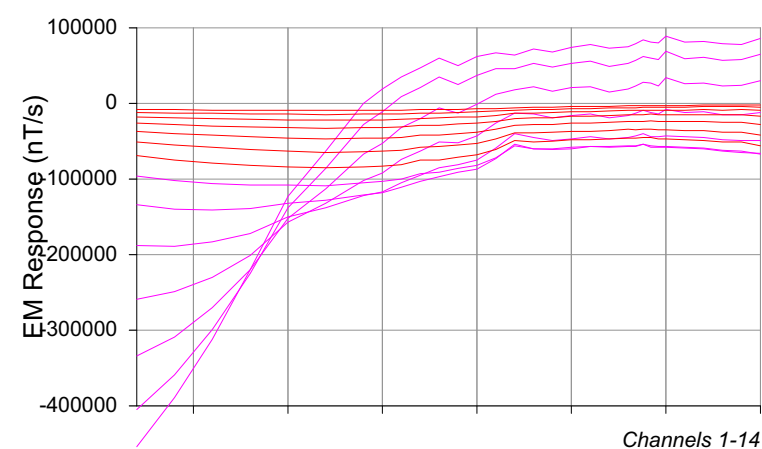
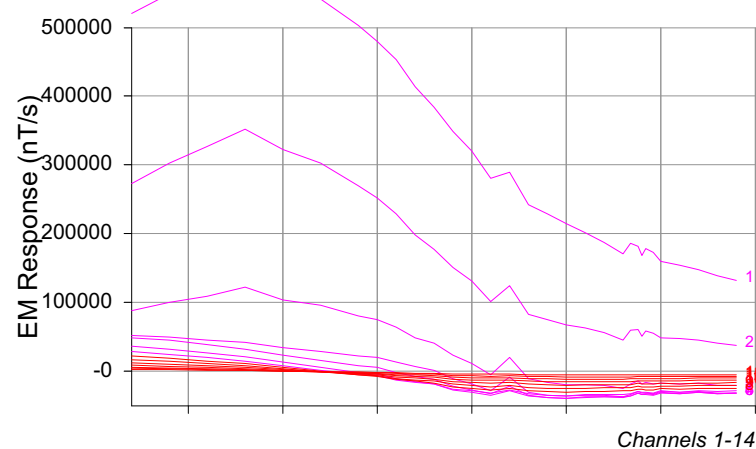
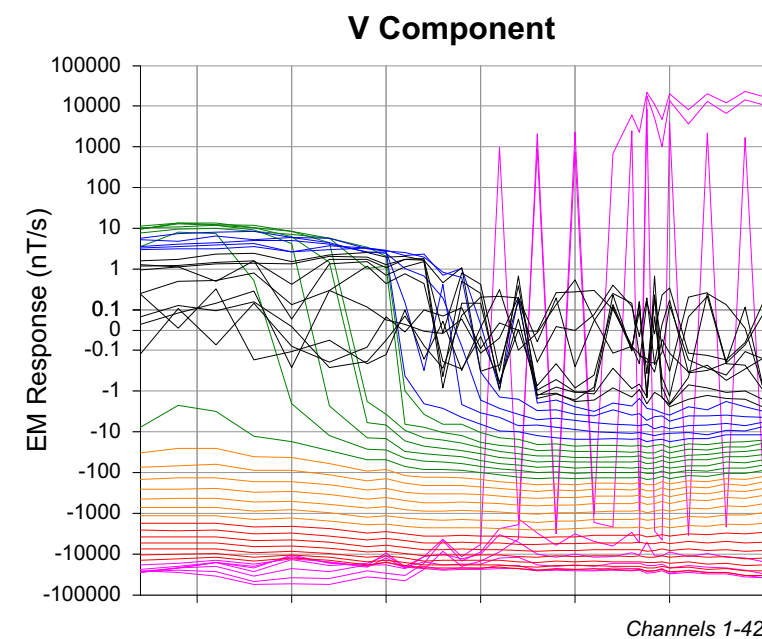
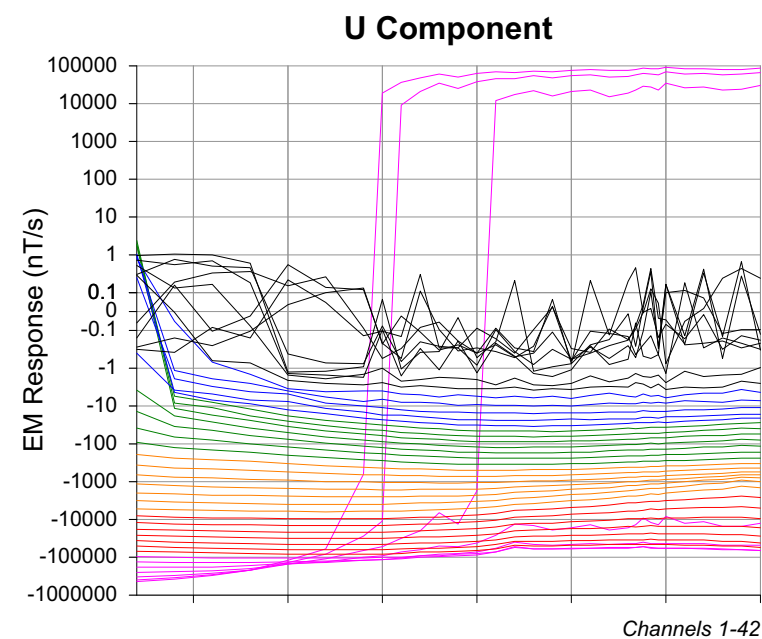
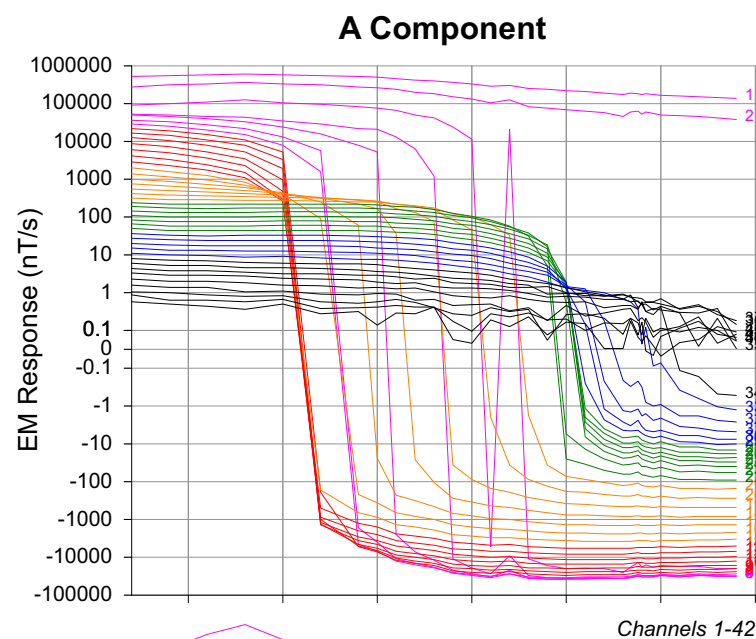
Loop OX6

Drawn: J. Trunfull

Date: 21/10/2015

Scale: 1:1,500

Figure:



**WINDOW TIMES (ms): Centre
From the start of the Ramp**

1 : 0.1660	15 : 0.9560	29 : 9.394
2 : 0.3680	16 : 1.090	30 : 11.28
3 : 0.3800	17 : 1.252	31 : 13.52
4 : 0.3940	18 : 1.448	32 : 16.28
5 : 0.4100	19 : 1.684	33 : 19.65
6 : 0.4300	20 : 1.970	34 : 23.67
7 : 0.4540	21 : 2.316	35 : 28.53
8 : 0.4840	22 : 2.732	36 : 34.40
9 : 0.5200	23 : 3.236	37 : 41.48
10 : 0.5620	24 : 3.844	38 : 50.04
11 : 0.6140	25 : 4.578	39 : 60.39
12 : 0.6780	26 : 5.464	40 : 72.88
13 : 0.7540	27 : 6.536	41 : 87.97
14 : 0.8460	28 : 7.830	42 : 106.2

SURVEY PARAMETERS

Contractor : Outer Rim Exploration Services
Configuration : Downhole
Station Spacing : 1-10 m
Hole Position : 822712mE 8497881mN 134mRL
Azimuth : 160°
Inclination : 60°
Datum / Projection : GDA94 MGA52

RECEIVER

Receiver : CRONE
Component : A, U, V

TRANSMITTER

Transmitter : ORE HP
Tx Current : 100 A
Turn Off : 0.316 ms
Base Frequency : 1.67 Hz

TRANSMITTER LOOP CORNERS

1	: 822525mE 8498050mN
2	: 822825mE 8498050mN
3	: 822825mE 8497800mN
4	: 822525mE 8497800mN



Scale 1:2000

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THUNDELARRA EXPLORATION LTD.

Allamber Project

Ox-Eyed Herring Prospect

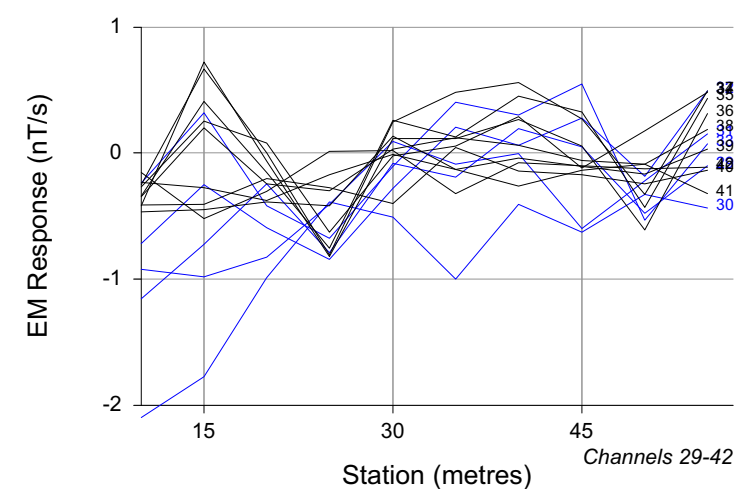
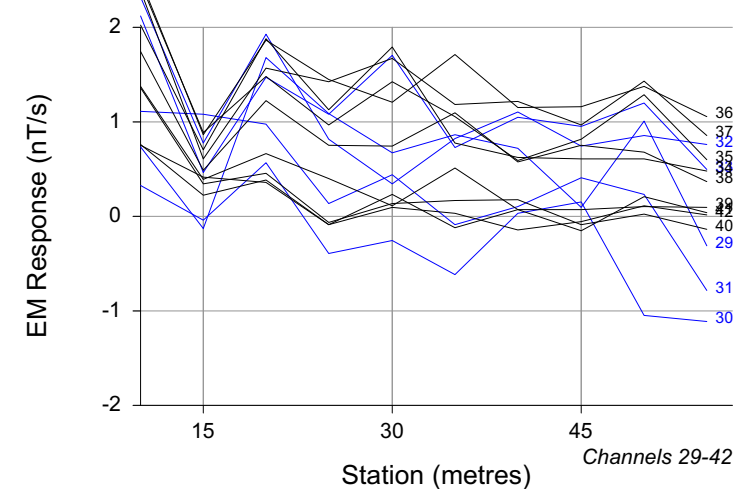
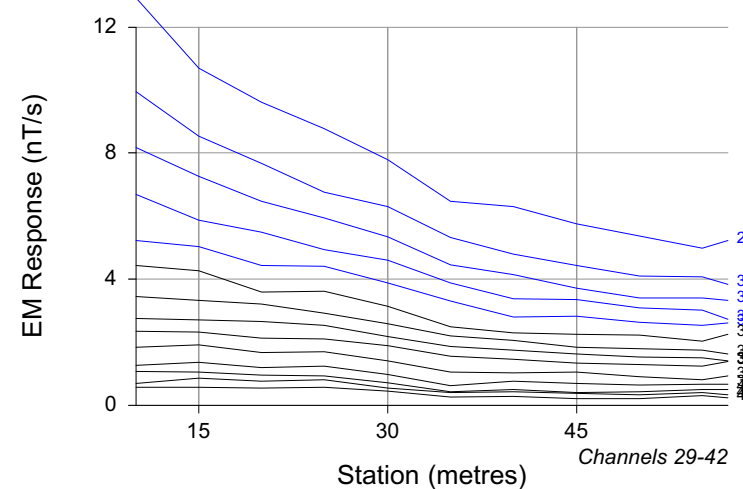
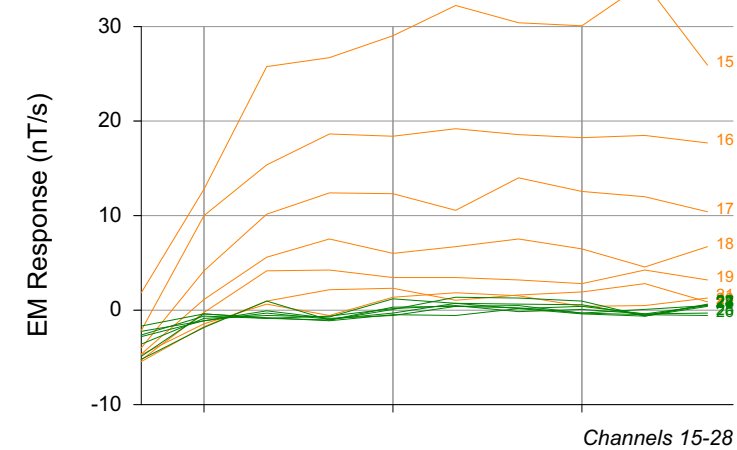
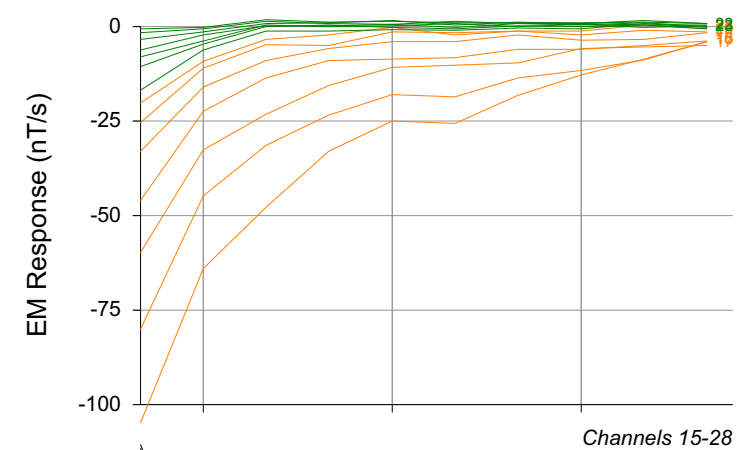
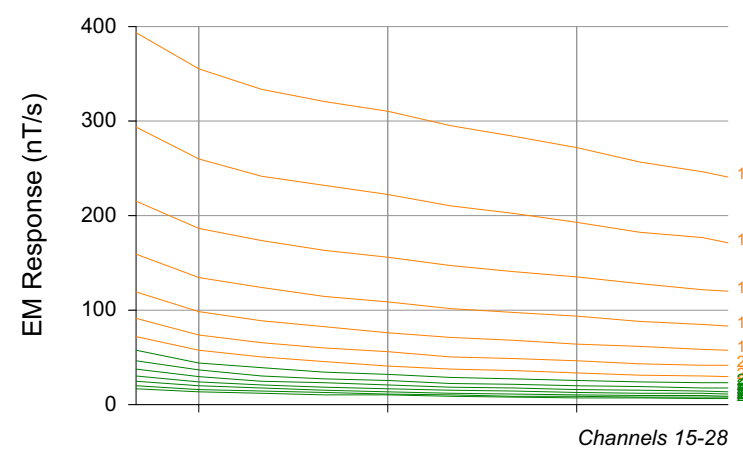
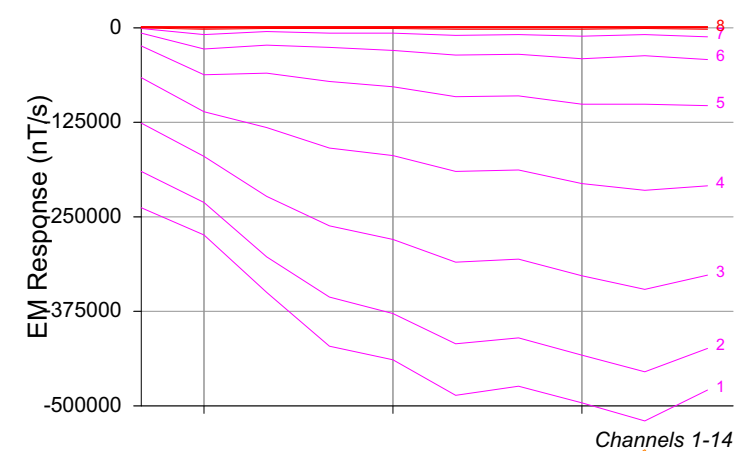
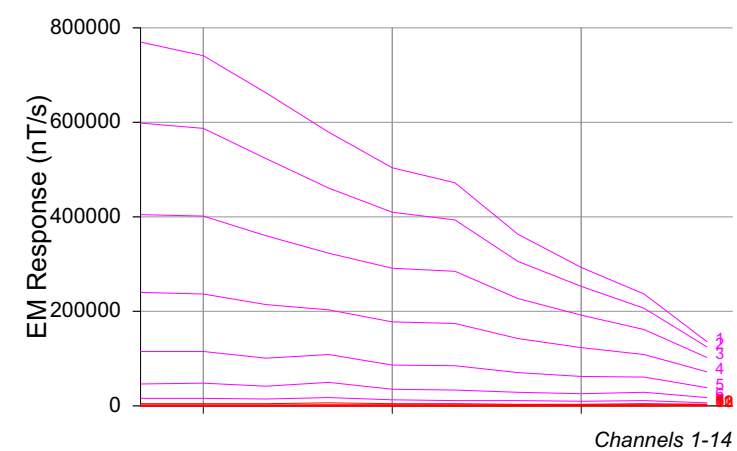
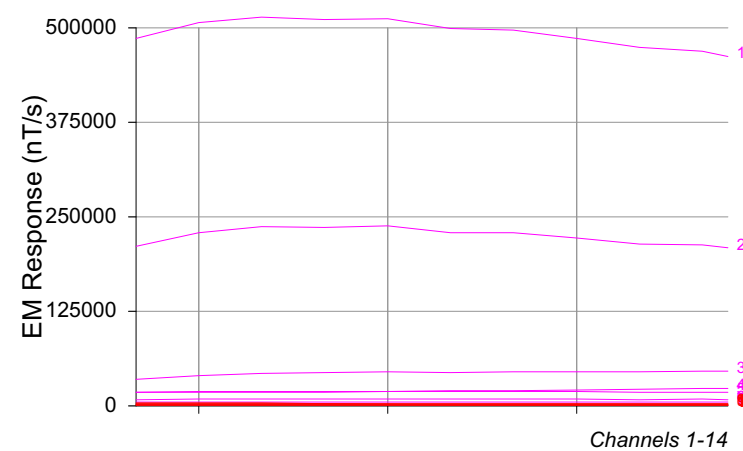
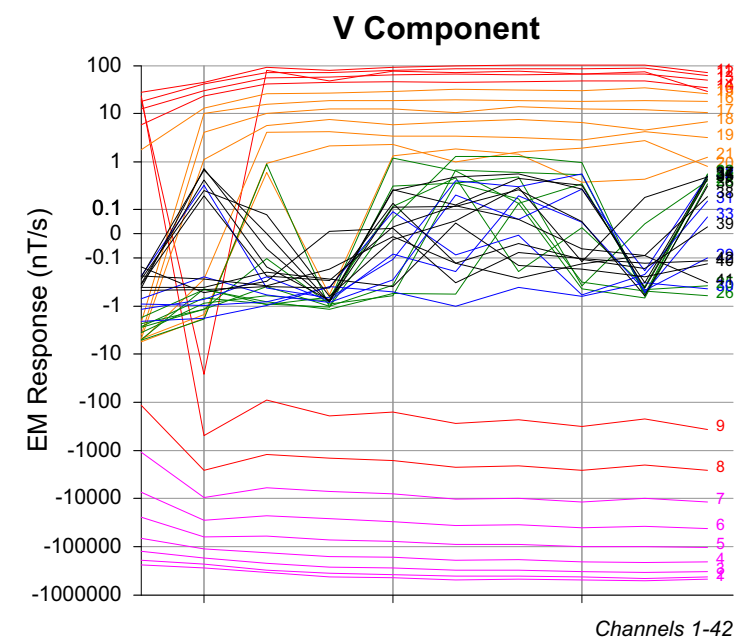
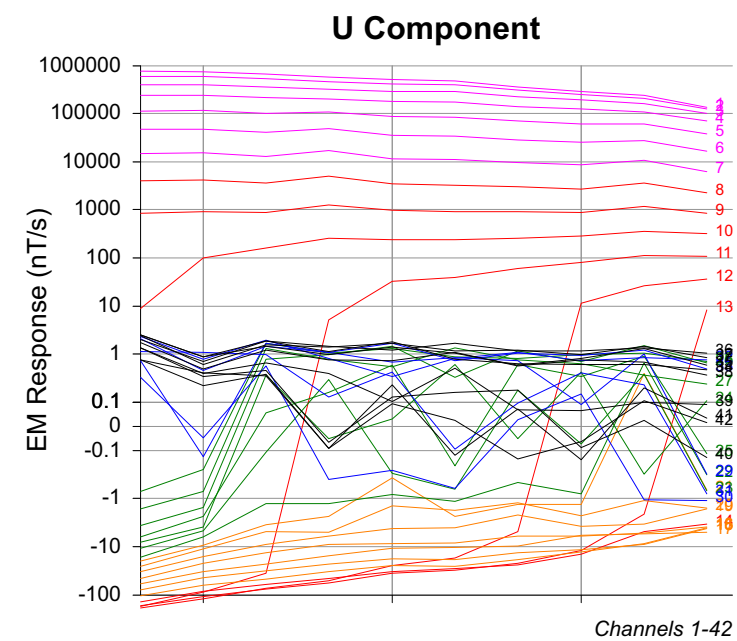
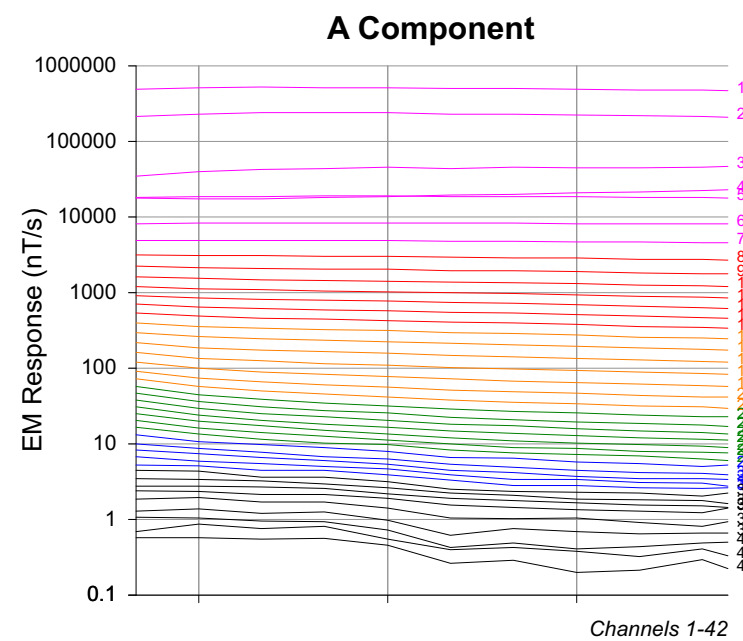
DHTEM Survey - A, U & V Components

Hole TAL141RC

Loop OX5

Drawn: J. Trunfull Date: 21/10/2015

Scale: 1:2,000 Figure:



**WINDOW TIMES (ms): Centre
From the start of the Ramp**

1 : 0.0700	15 : 0.8600	29 : 9.298
2 : 0.2720	16 : 0.9940	30 : 11.19
3 : 0.2840	17 : 1.156	31 : 13.42
4 : 0.2980	18 : 1.352	32 : 16.18
5 : 0.3140	19 : 1.588	33 : 19.56
6 : 0.3340	20 : 1.874	34 : 23.58
7 : 0.3580	21 : 2.220	35 : 28.44
8 : 0.3880	22 : 2.636	36 : 34.30
9 : 0.4240	23 : 3.140	37 : 41.39
10 : 0.4660	24 : 3.748	38 : 49.95
11 : 0.5180	25 : 4.482	39 : 60.29
12 : 0.5820	26 : 5.368	40 : 72.79
13 : 0.6580	27 : 6.440	41 : 87.88
14 : 0.7500	28 : 7.734	42 : 106.1

SURVEY PARAMETERS

Contractor : Outer Rim Exploration Services
Configuration : Downhole
Station Spacing : 2-5 m
Hole Position : 802432mE 8464721mN 213mRL
Azimuth : 090°
Inclination : 60°
Datum / Projection : GDA94 MGA52

RECEIVER

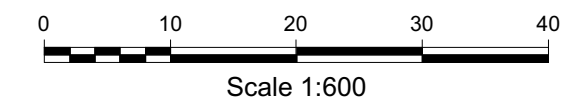
Receiver : CRONE
Component : A, U, V

TRANSMITTER

Transmitter : ORE HP
Tx Current : 80 A
Turn Off : 0.22 ms
Base Frequency : 1.67 Hz

TRANSMITTER LOOP CORNERS

1	: 802265mE 8464684mN
2	: 802407mE 8464826mN
3	: 802548mE 8464684mN
4	: 802407mE 8464543mN



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THUNDELARRA EXPLORATION LTD.

Allamber Project

Copperfield Prospect

DHTEM Survey - A, U & V Components

Hole TML011RC

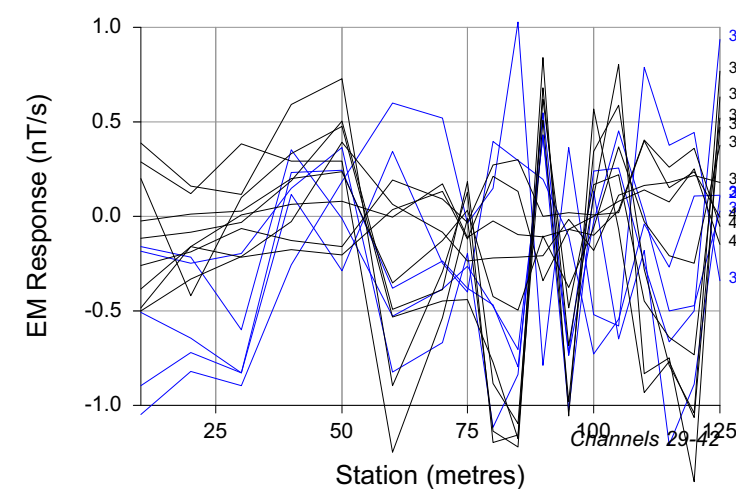
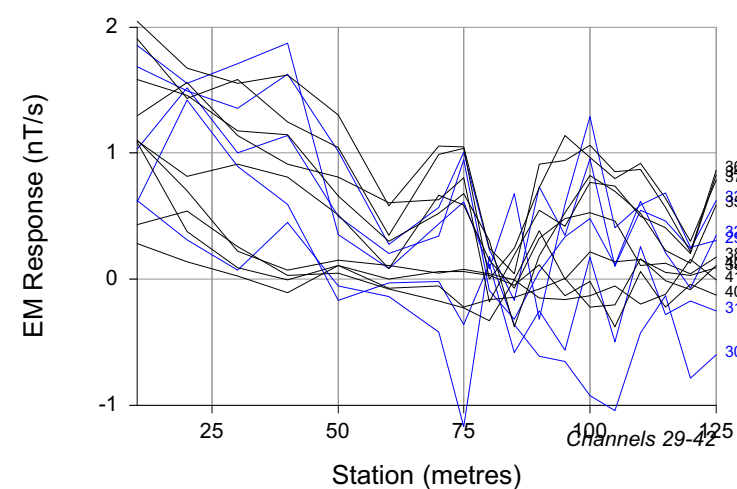
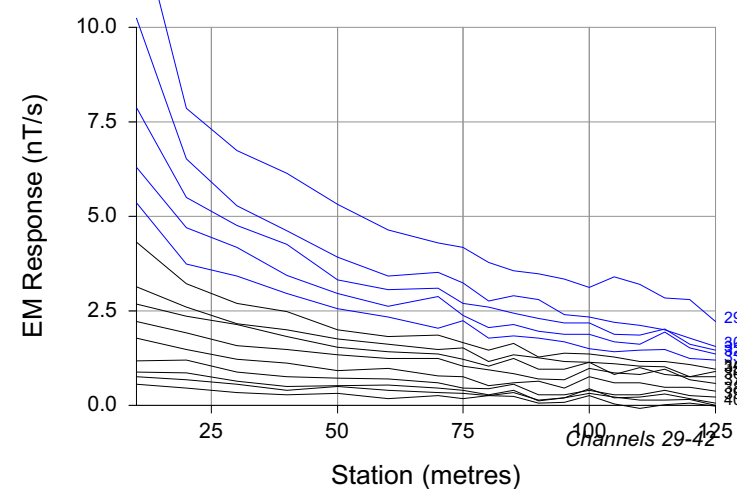
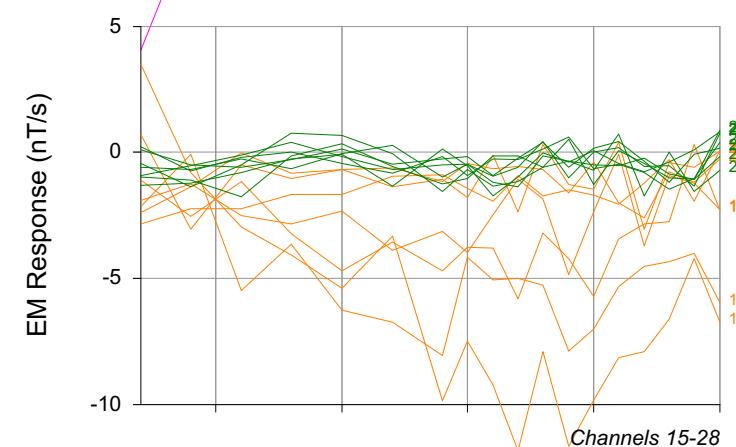
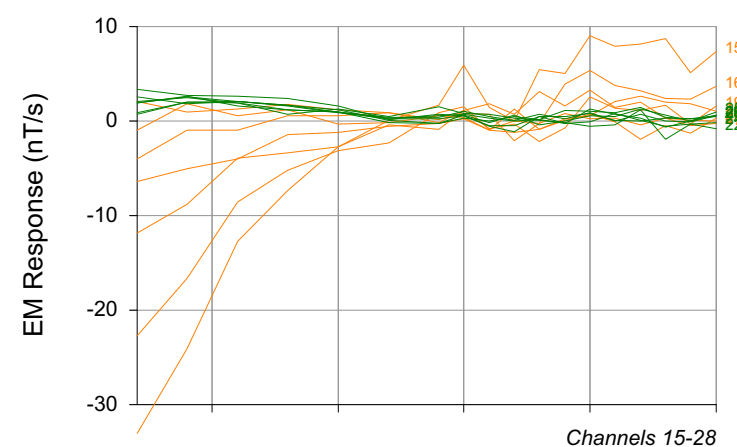
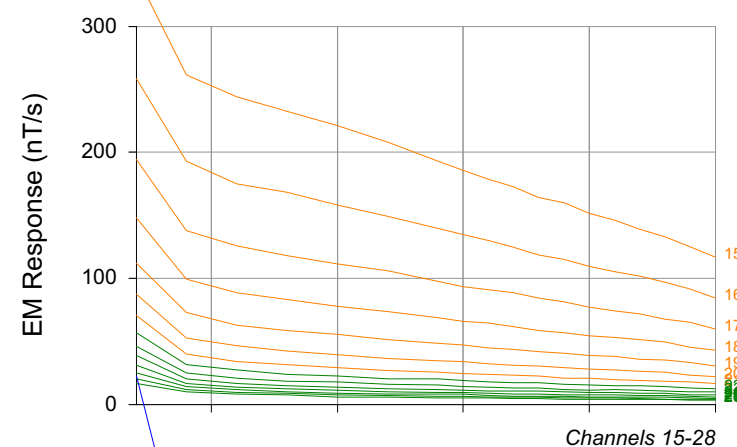
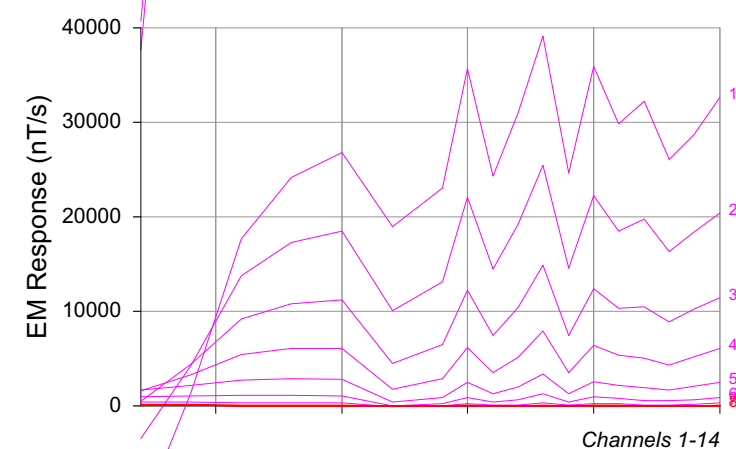
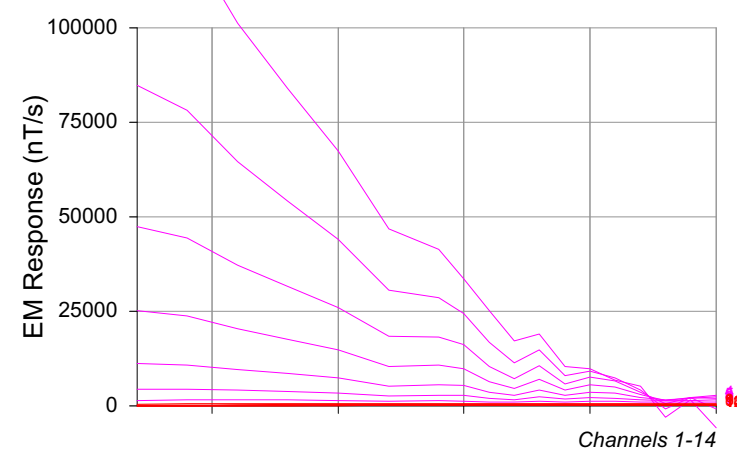
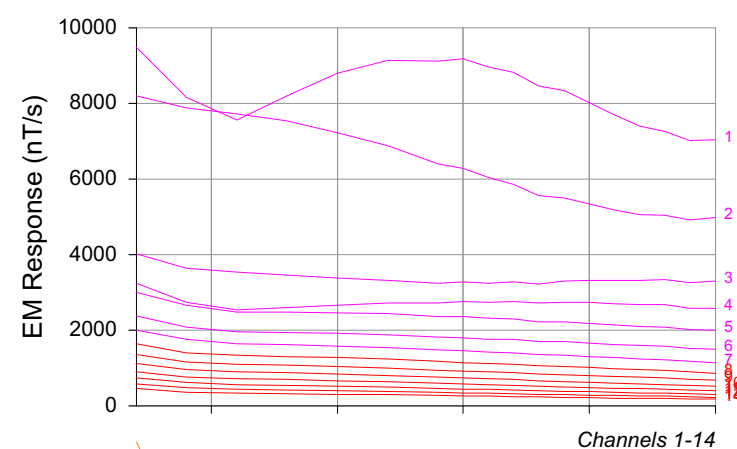
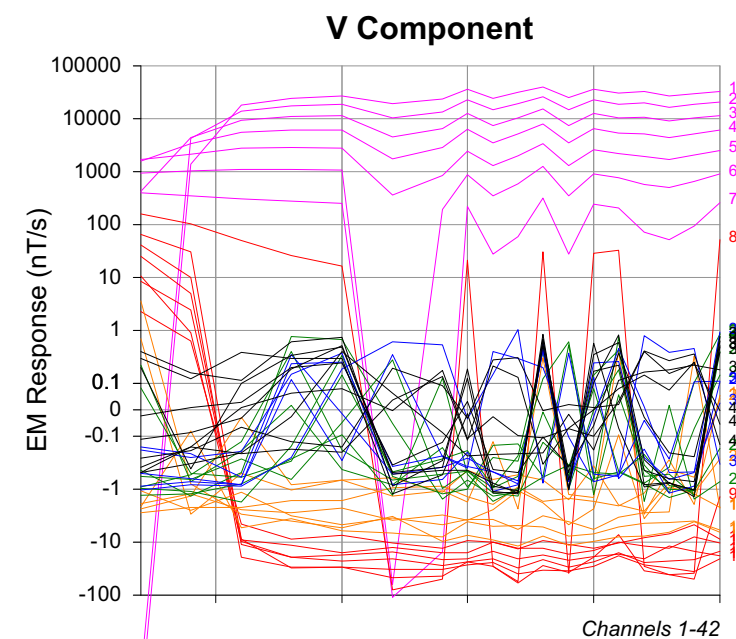
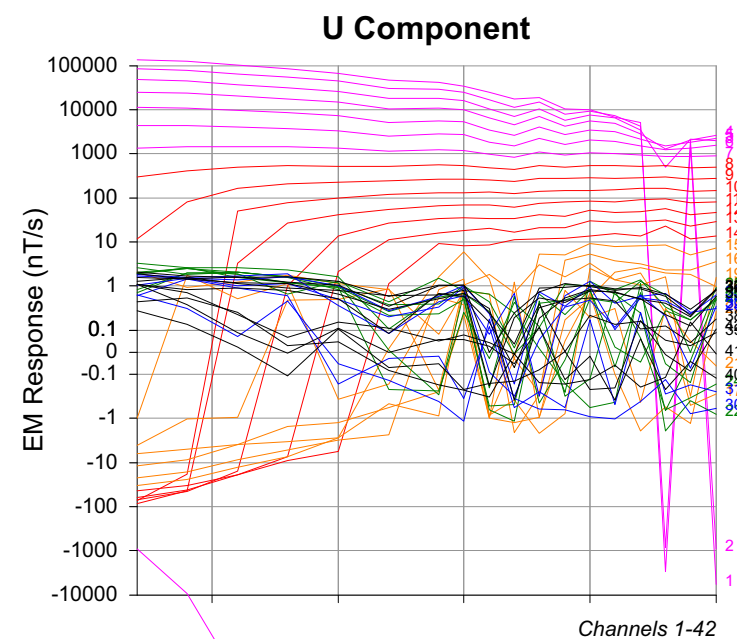
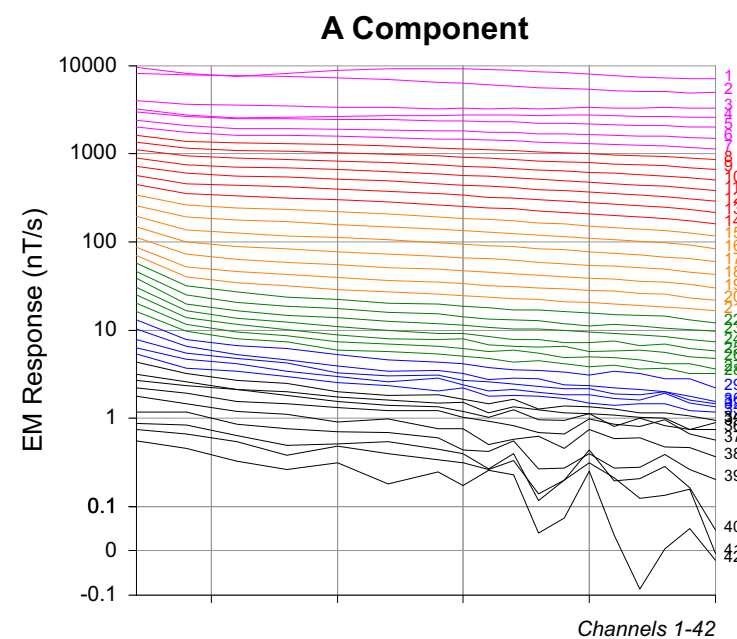
Loop CF2

Drawn: J. Trunfull

Date: 21/10/2015

Scale: 1:600

Figure:



**WINDOW TIMES (ms): Centre
From the start of the Ramp**

1 : 0.0700	15 : 0.8600	29 : 9.298
2 : 0.2720	16 : 0.9940	30 : 11.19
3 : 0.2840	17 : 1.156	31 : 13.42
4 : 0.2980	18 : 1.352	32 : 16.18
5 : 0.3140	19 : 1.588	33 : 19.56
6 : 0.3340	20 : 1.874	34 : 23.58
7 : 0.3580	21 : 2.220	35 : 28.44
8 : 0.3880	22 : 2.636	36 : 34.30
9 : 0.4240	23 : 3.140	37 : 41.39
10 : 0.4660	24 : 3.748	38 : 49.95
11 : 0.5180	25 : 4.482	39 : 60.29
12 : 0.5820	26 : 5.368	40 : 72.79
13 : 0.6580	27 : 6.440	41 : 87.88
14 : 0.7500	28 : 7.734	42 : 106.1

SURVEY PARAMETERS

Contractor : Outer Rim Exploration Services
Configuration : Downhole
Station Spacing : 5-10 m
Hole Position : 803594mE 8465364mN 190mRL
Azimuth : 055°
Inclination : 60°
Datum / Projection : GDA94 MGA52

RECEIVER

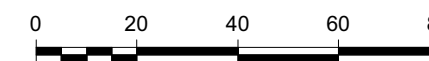
Receiver : CRONE
Component : A, U, V

TRANSMITTER

Transmitter : ORE HP
Tx Current : 80 A
Turn Off : 0.22 ms
Base Frequency : 1.67 Hz

TRANSMITTER LOOP CORNERS

1	: 803475mE 8465475mN
2	: 803675mE 8465475mN
3	: 803675mE 8465275mN
4	: 803475mE 8465275mN



Scale 1:1500

Southern Geoscience Consultants Pty Ltd
ACN 067 552 461

THUNDELARRA EXPLORATION LTD.

Allamber Project

Copperfield Prospect

DHTEM Survey - A, U & V Components

Hole TML014RC

Loop CF1

Drawn: J. Trunfull

Date: 21/10/2015

Scale: 1:1,500

Figure: