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Memorandum

DATE: Thursday, January 29, 2009
TIME: 10:33 AM
FROM: Gregg Speyers - SGC
TO: Charles Hughes - Project Geologist

SGC REPORT: 1886
CLIENT: Jaguar Minerals Limited

WILSON RIVER PROJECT

DOWNHOLE TEM SURVEY DOCUMENTATION AND INTERPRETATION

WRD14, WRD15 AND WRD16

Introduction

Conventional downhole TEM logging of the Wilson River project drill-holes **WRD14, WRD15** and **WRD16** was carried out between November 5th and 7th, 2008 by Outer-Rim Exploration Services Pty Ltd on behalf of Jaguar Minerals Limited. The aim of the DHTEM surveys was to detect bedrock conductors of interest (possible zinc and lead concentrations) in close proximity to these drill holes. **Figure 1** provides a location plan for the Wilson River DHTEM surveying.

The transmitter loops utilised during this DHTEM programme were powered by a Crone PEM 240V transmitter working at ~22A (single turn loop). The planned transmitter loop positions were designed to couple well with the prospective geological sequence. Overall survey details are provided below:

dB/dt DHTEM Surveys – **WRD14, WRD15 and WRD16**

- **Contractor** : Outer-Rim Exploration Services Pty Ltd
- **Date** : Nov 5th- Nov 7th, 2008
- **Receiver** : Crone PEM
- **Receiver Coil** : Crone downhole coil probes
- **Transmitter** : Crone PEM 240V
- **Survey Configuration** : Downhole
- **Tx Loops** : **WR1** and **WR2**
- **Transmitter Current** : ~22-25 amps (1 turn)
- **Ramp Time** : 1.0 ms
- **Base Frequency/Channels** : 5Hz (36CH), 50% duty cycle
- **Coordinate System** : **AGD84 / AMG Zone 55**

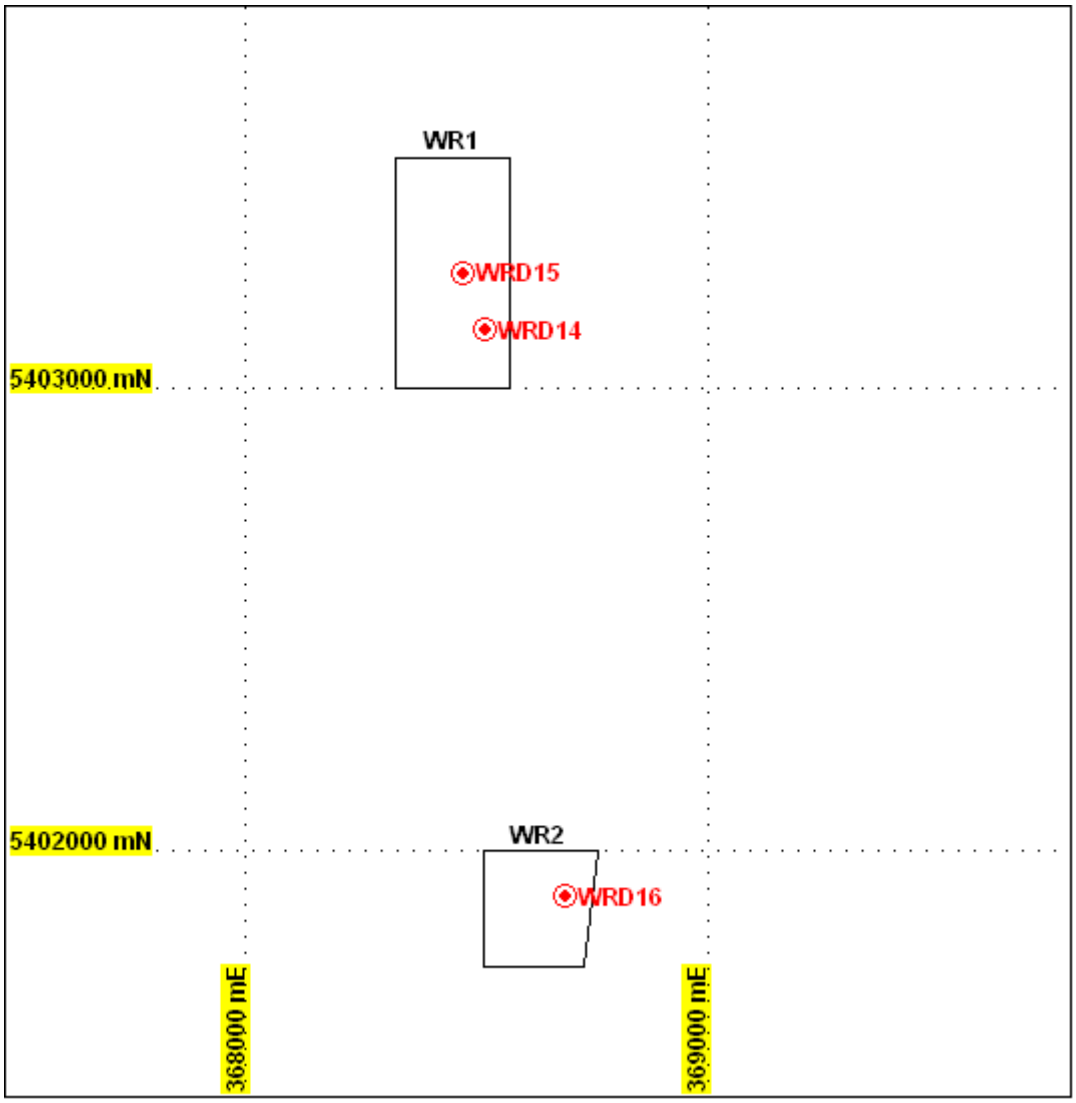


Figure 1 - DHTEM Survey Layout – Wilson River Project – **WRD14**, **WRD15** and **WRD16**

Loop Location and Survey Coverage

The transmitter loop locations for all downhole TEM surveying is provided below:

WR1 (~250 x 500 m) - 368325E 5403000N
- 368575E 5403000N
- 368575E 5403500N
- 368325E 5403500N

WR2 (~235 x 250 m) - 368515E 5401750N
- 368735E 5401750N
- 368765E 5402000N
- 368515E 5402000N

A total of 122 downhole stations (A,U & V components) were recorded for a total of 0.775 line kilometres of DHTEM data from the three surveys. Details of the survey coverage are provided in **Table 1**.

Table 1 – Wilson River Project – DHTEM Survey Coverage

Drill-hole	Survey Date	Loop	From (m)	To (m)	No. of stations	Distance (m)
WRD14	6/11/2008	**WR1**	10	320	49	310
WRD15	5/11/2008	**WR1**	10	240	36	230
WRD16	7/11/2008	**WR2**	40	275	37	235

Data and Interpretation

WRD14 (368520mE, 5403125mN, ~320m EOH) was logged from 10 - 320m at 5-10m intervals. Noise levels in the data were moderate being generally <1nT/s on the A component and <0.5nT/s on the U and V components.

A minor local in-hole anomaly (**WR14_1**) is observed in the early to late time channels at ~80m down hole. The radial (U and V) components indicate the source of the anomaly is centred above and north of the hole. This conductor may be related to sulphide veins intersected from 81.2m to 83.5m.

Minor in-hole anomalism (**WR14_2**) is observed from 130m to 150m down hole in early to mid time channels. This anomaly may be related to stringer sulphides intersected in the hole.

A broad and weak in-hole anomaly (**WR14_3**) centred at 245-250m down hole dominates the response seen in the lower part of the DHTEM log. This anomaly is difficult to model, which may indicate the presence of a relatively thick conductor. Alternatively, the anomaly may be related to a conductor oriented parallel to the drill hole and centred above and north of it. There is no obvious source for this anomaly in the geological log.

A minor in-hole anomaly (**WR14_4**) in the mid time channels is identified at ~280-290m down hole. The source of this anomaly may be related to stringer sulphides intersected in the hole. All final profiles for **WRD14** are presented in **Appendix 1.**

WRD15 (368475mE, 5 403250mN, ~240m EOH) was logged from 10 - 240m at 5-10m intervals. Noise levels in the data were moderate being generally <0.5nT/s on the A component and <1nT/s on the U and V components.

A moderate off-hole anomaly is identified within the mid time channels at ~90-100m down hole. The U component indicates the conductive source is centred below the hole. The shape of the V component suggests the possibility of two conductive sources (**WR15_1** and **WR15_2**). Modelling of the mid time response (Ch14-16, 1.604-1.900ms) achieved a reasonable fit to the observed data signature (**Figures 3 - 5**). Overall, the conductive bodies are of moderate size (~50 x 50m), weak conductance (~50S) and dip moderately to the west (~65°). The source of this conductor may be related to sulphide mineralisation. There is some ambiguity in the V component data, however our modelling and estimations have led us to the current interpretations and targets. Parameters for two drill holes designed to intersect the **WR15_1** and **WR15_2** conductors are tabulated in Table 2. The **DH1** drill hole has the highest priority.

Table 2 – Wilson River Project – Conductors WR15_1 and WR15_2 Drill Hole Parameters

Drill Hole	Collar Easting (m)	Collar Northing (m)	Dip (°)	Azimuth (°)	Length (m)	Intersection Depth (m)
DH1	**368415**	**5403215**	**60**	**60**	**170**	**145**
DH2	**368440**	**5403175**	**60**	**60**	**190**	**165**

A weak and broad mid-time anomaly (**WR15_3**) is identified at ~200-230m down hole in hole **WRD15**. This conductor is similar in character to the **WR14_3** anomaly identified in hole **WRD14** and may be related to the same conductive source. The source of anomaly **WR15_3** is possibly a thick in-hole conductor centred below and northwest of the hole. Alternatively, this anomaly may indicate an off-hole conductor oriented parallel to the hole and centred above and northwest of it. All final profiles for **WRD15** are presented in **Appendix 1.**

WRD16 (368695mE, 5401900mN, ~275m EOH) was logged from 40 - 275m at 5-10m intervals. Noise levels in the data were low being generally <0.5nT/s on the A component and <1nT/s on the U and V components.

No significant anomalies were identified within the **WRD16** DHTEM data.

All final profiles for **WRD16** are presented in **Appendix 1.**

Summary and Recommendations

- DHTEM logging of the Wilson River drill holes **WRD14**, **WRD15** and **WRD16** was carried out between November 5th and 7th, 2008. **WRD14** was surveyed from 10-320m (AUV components) using 5-10m stations. **WRD15** was surveyed from 10-240m (AUV components) using 5-10m stations. **WRD16** was surveyed from 40-275m (AUV components) using 5-10m stations.

- The following table summarises the conductors identified by the DHTEM:

Hole	Conductor	Actual or interpolated downhole depth	Conductor Strength	Model conductor Size	Interpreted source
WRD14	**WR14_1**	~80m	Weak	Not modelled	Stringer sulphides
WRD14	**WR14_2**	~130-150m	Weak	Not modelled	Stringer sulphides
WRD14	**WR14_3**	~245-250m	Weak	Not modelled	?
WRD14	**WR14_4**	~280-290m	Weak	Not modelled	Stringer sulphides
WRD15	**WR15_1**	~90-100m	Moderate	~50 x 50m	Sulphide mineralisation?
WRD15	**WR15_2**	~90-100m	Moderate	~50 x 50m	Sulphide mineralisation?
WRD15	**WR15_3**	~200-230m	Weak	No modelled	?

- There is some ambiguity in the V component data for hole **WRD15** but our modelling and best fits have led us to the interpretation that there are two conductors (**WR15_1** and

WR15_2) causing the anomaly in the upper part of the hole. Two follow-up drill holes have been recommended to intersect the **WR15_1** and **WR15_2** conductors modelled in hole **WRD15**.

- Overall, the downhole TEM anomalies identified within the Wilson River project area are poorly defined, weak to moderate responses, most of which have a good chance of being sourced by massive or stringer sulphides.

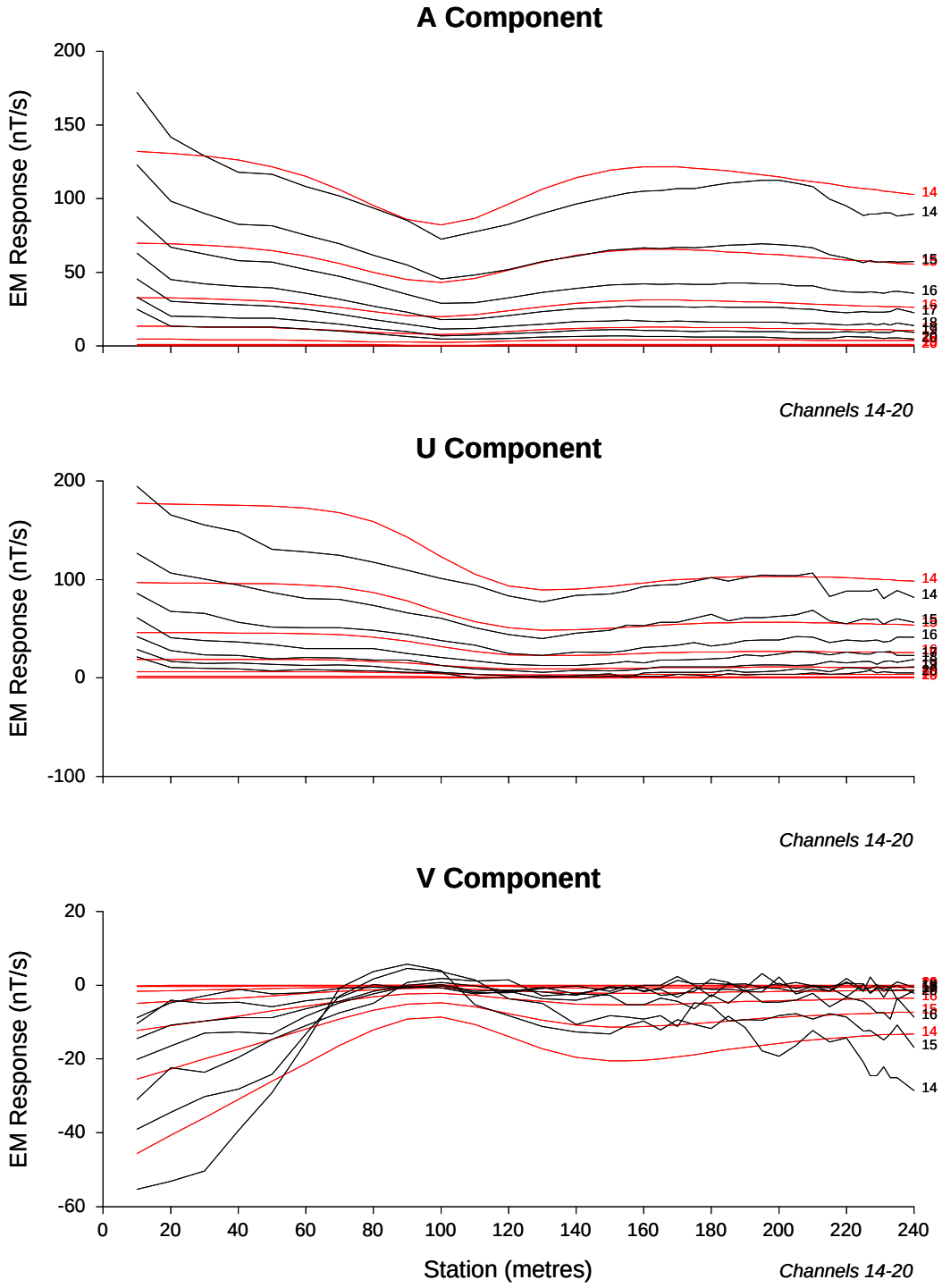
- Downhole MMR (Magneto Metric Resistivity) surveying of these drill holes may be more effective in detecting the low conductance target mineralisation in this area.

Modelled DHTEM conductors are provided in DXF and Surpac string format for input into MapInfo and mining software to allow visualisation with known geology.

3D DXF and Surpac string files for the modelled conductors
(to detach digital file, click right mouse - save embedded file)

All digital field data is provided below:

SGC and Crone processed data files
(to detach digital file, click right mouse - save embedded file)



SURVEY PARAMETERS

Contractor : Outer Rim
Date :
Survey Type : Downhole
Stn Spacing : 2-10 m

RECEIVER

Receiver :
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : WR1
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368479.330127mE
MGA North : 5403252.5mN
RL : -8.660254RL

LOOP COORDS

Easting : 368575-368325mE
Northing : 5403500-5403000mN

WINDOW TIMES (ms)
From the start of the Ramp

1	: 1.016	19	: 2.618
2	: 1.028	20	: 2.964
3	: 1.042	21	: 3.380
4	: 1.058	22	: 3.884
5	: 1.078	23	: 4.492
6	: 1.102	24	: 5.226
7	: 1.132	25	: 6.112
8	: 1.168	26	: 7.184
9	: 1.210	27	: 8.478
10	: 1.262	28	: 10.04
11	: 1.326	29	: 11.93
12	: 1.402	30	: 14.16
13	: 1.494	31	: 16.92
14	: 1.604	32	: 20.30
15	: 1.738	33	: 24.32
16	: 1.900	34	: 29.18
17	: 2.096	35	: 35.04
18	: 2.332	36	: 42.13

0 25 50

Scale 1:2000

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Wilson River Project - Tasmania

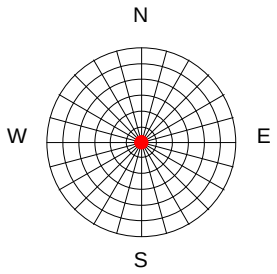
DHTEM Data Profiles

Conductors WR15_1 and WR15_2

Hole WRD15

Drawn: G.Speyers	Date: 28th Jan 2009
Scale: 1:2000	Figure: 2

View Direction



View Azimuth : 180 deg.

View Inclination : 90 deg.

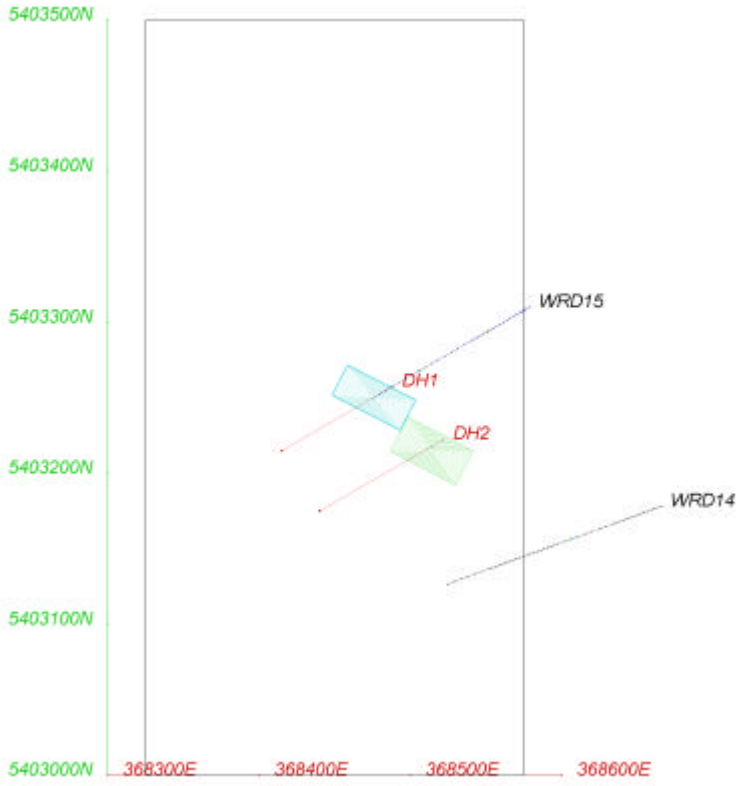
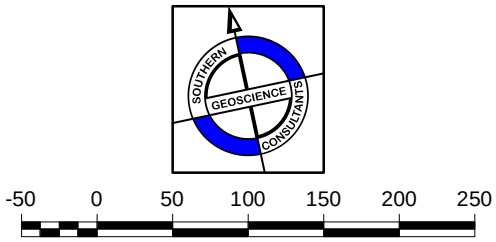


PLATE PARAMETERS

Name	WR15_1	WR15_2
X	368481	368519
Y	5403260	5403226
Z	-101	-120
Length	50	48
Depth Extent	52	53
Dip	65	61
Dip Dir.	207	207
Plunge	0	0
Cond-Th.	47	45



Scale 1:5000

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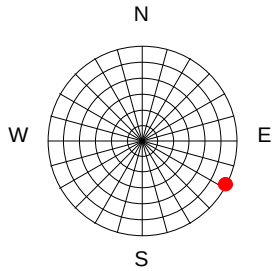
DHTEM Survey

Conductors WD15_1 and WD15_2

Plan View

Drawn: G.Speyers	Date: 28th Jan 2009
Scale: 1:5000	Figure: 3

View Direction



View Azimuth : 118 deg.

View Inclination : 0 deg.

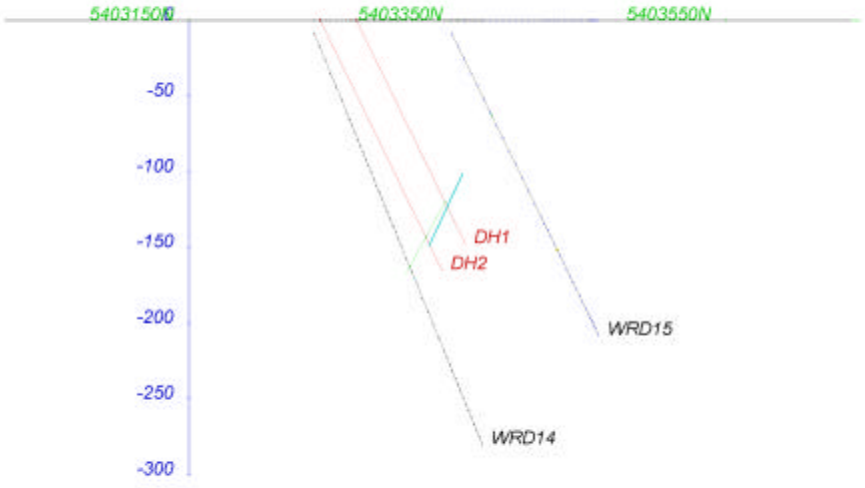
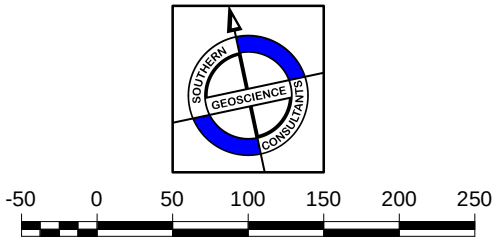


PLATE PARAMETERS

Name	WR15_1	WR15_2
X	368481	368519
Y	5403260	5403226
Z	-101	-120
Length	50	48
Depth Extent	52	53
Dip	65	61
Dip Dir.	207	207
Plunge	0	0
Cond-Th.	47	45



Scale 1:5000

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Wilson River Project - Tasmania

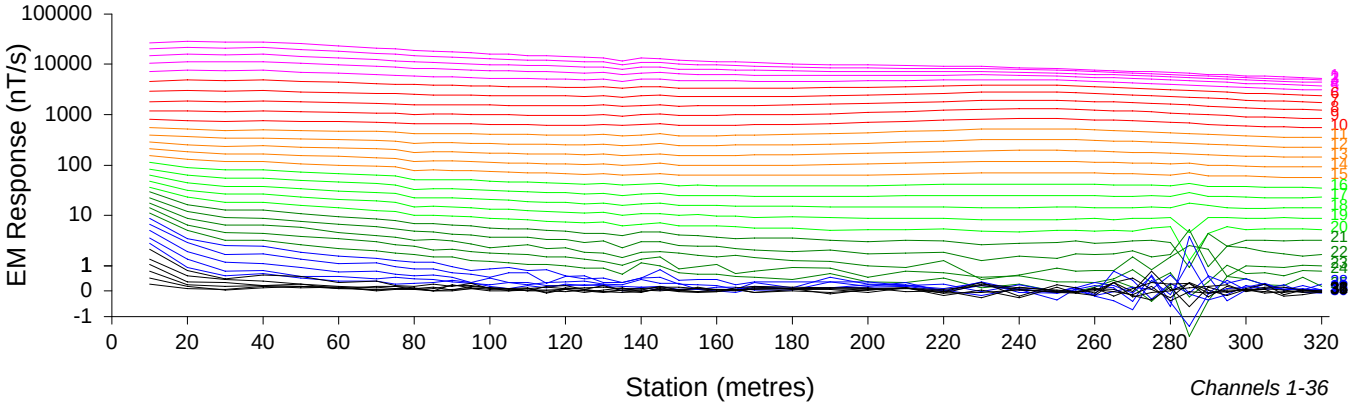
DHTEM Survey

Conductors WD15_1 and WD15_2

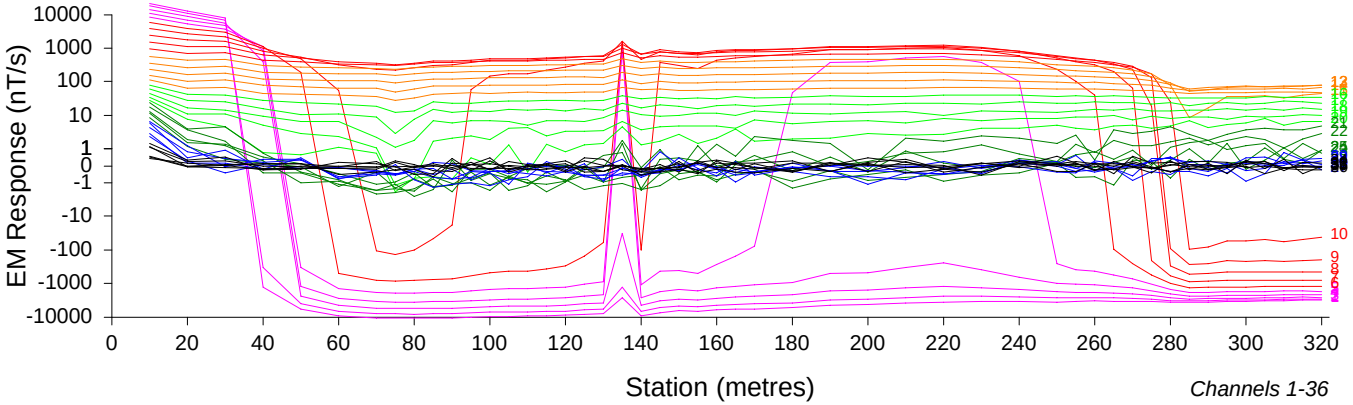
Cross Section

Drawn: G.Speyers	Date: 28th Jan 2009
Scale: 1:5000	Figure: 4

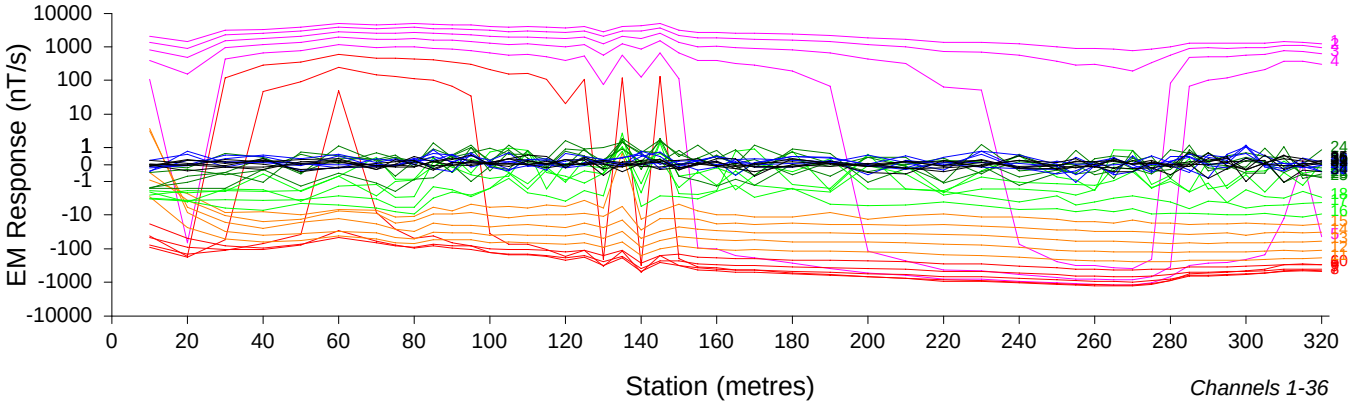
A Component



U Component



V Component



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 6/11/2008
Survey Type : Downhole
Stn Spacing : 5-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : WR1
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368520mE
MGA North : 5403125mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	1.016	19	2.618
2	1.028	20	2.964
3	1.042	21	3.380
4	1.058	22	3.884
5	1.078	23	4.492
6	1.102	24	5.226
7	1.132	25	6.112
8	1.168	26	7.184
9	1.210	27	8.478
10	1.262	28	10.04
11	1.326	29	11.93
12	1.402	30	14.16
13	1.494	31	16.92
14	1.604	32	20.30
15	1.738	33	24.32
16	1.900	34	29.18
17	2.096	35	35.04
18	2.332	36	42.13

0 25 50

Scale 1:2000

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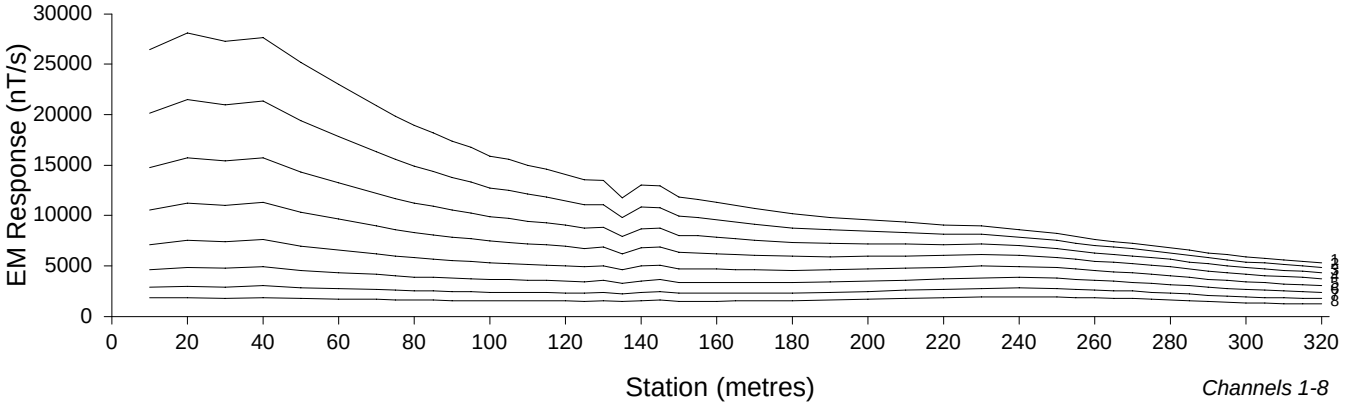
DHTEM Data Profiles

Hole WRD14

Drawn: RNM	Date: Nov 2008
Scale:	Figure:

A Component



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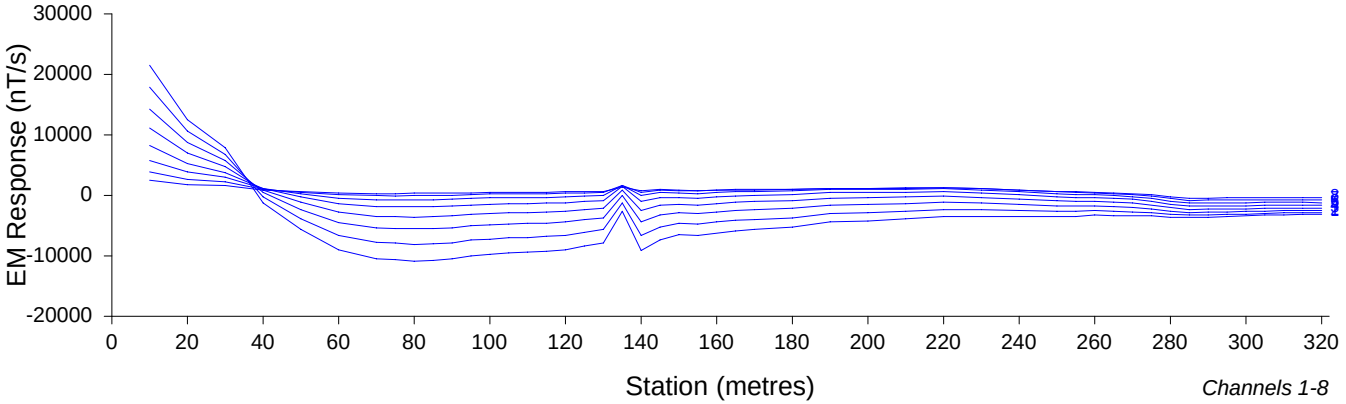
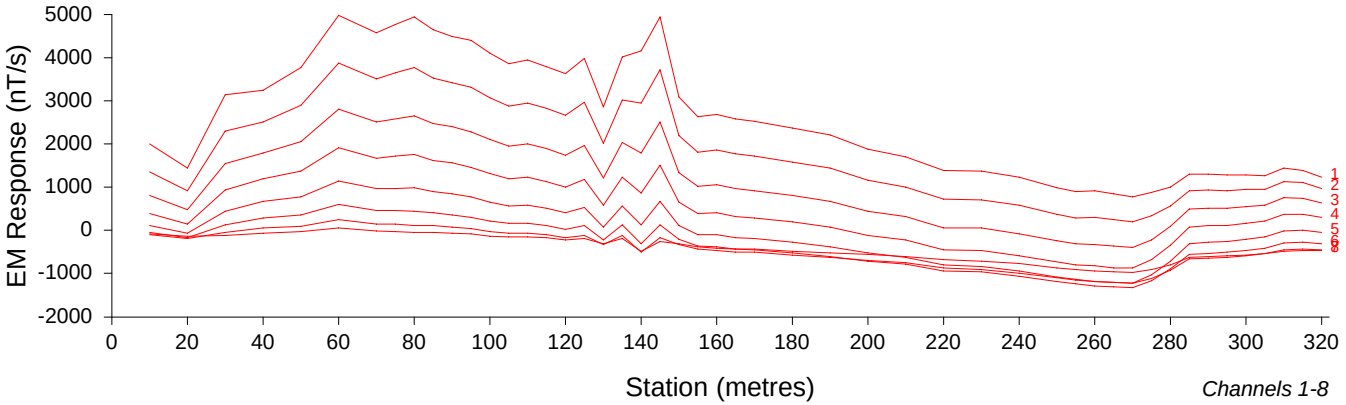


V Component



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 6/11/2008
Survey Type: Downhole
Stn Spacing : 5-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : WR1
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368520mE
MGA North : 5403125mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	: 1.016	19	: 2.618
2	: 1.028	20	: 2.964
3	: 1.042	21	: 3.380
4	: 1.058	22	: 3.884
5	: 1.078	23	: 4.492
6	: 1.102	24	: 5.226
7	: 1.132	25	: 6.112
8	: 1.168	26	: 7.184
9	: 1.210	27	: 8.478
10	: 1.262	28	: 10.04
11	: 1.326	29	: 11.93
12	: 1.402	30	: 14.16
13	: 1.494	31	: 16.92
14	: 1.604	32	: 20.30
15	: 1.738	33	: 24.32
16	: 1.900	34	: 29.18
17	: 2.096	35	: 35.04
18	: 2.332	36	: 42.13

0 25 50

Scale 1:2000

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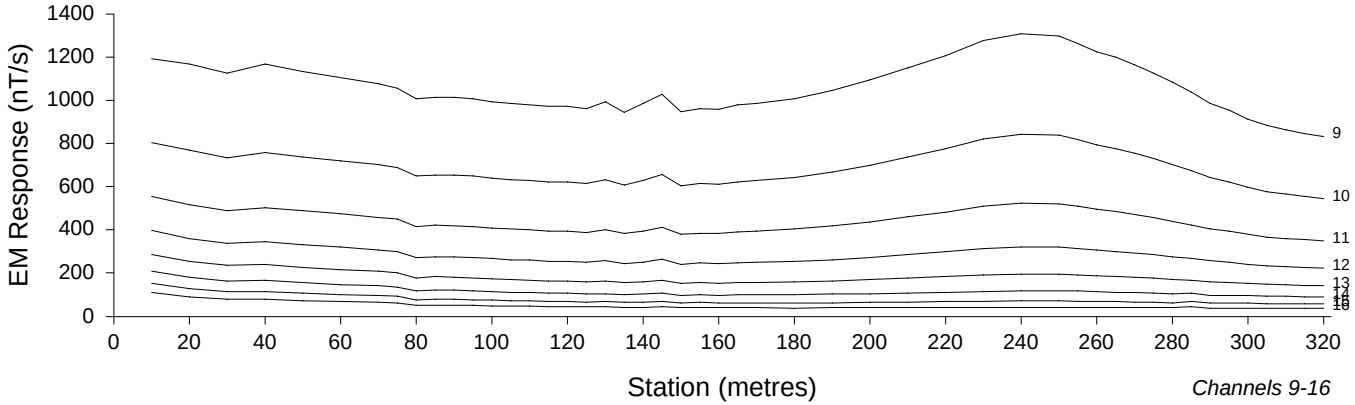
DHTEM Data Profiles

Hole WRD14

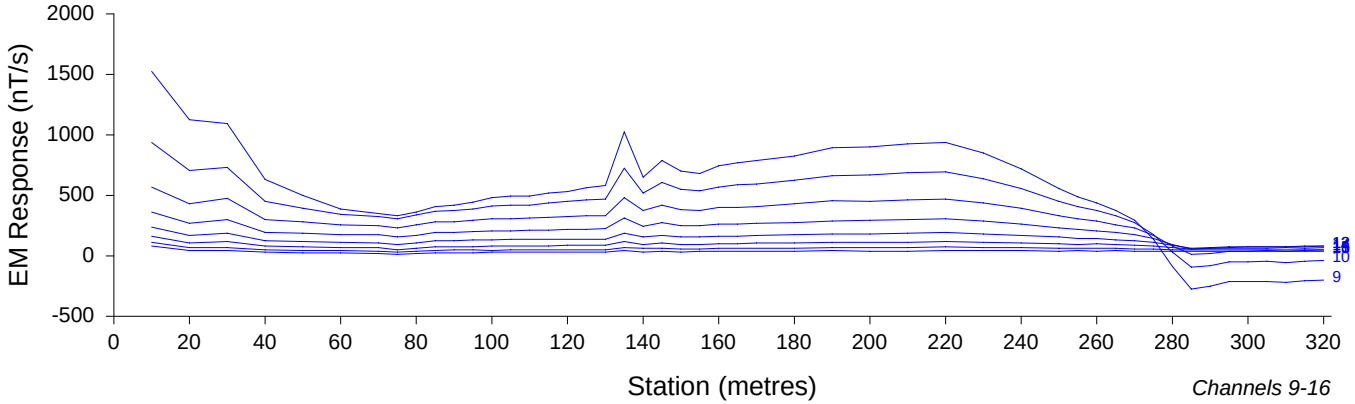
Drawn: RNM	Date: Nov 2008
Scale:	Figure:

A Component



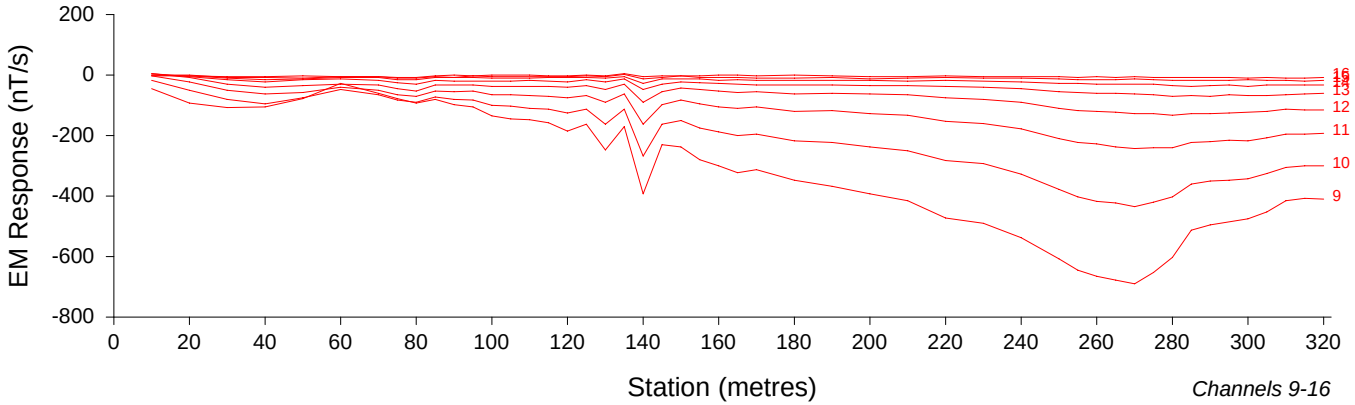
Channels 9-16

U Component



Channels 9-16

V Component



Channels 9-16

SURVEY PARAMETERS

Contractor : Outer Rim
Date : 6/11/2008
Survey Type : Downhole
Stn Spacing : 5-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : WR1
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368520mE
MGA North : 5403125mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	: 1.016	19	: 2.618
2	: 1.028	20	: 2.964
3	: 1.042	21	: 3.380
4	: 1.058	22	: 3.884
5	: 1.078	23	: 4.492
6	: 1.102	24	: 5.226
7	: 1.132	25	: 6.112
8	: 1.168	26	: 7.184
9	: 1.210	27	: 8.478
10	: 1.262	28	: 10.04
11	: 1.326	29	: 11.93
12	: 1.402	30	: 14.16
13	: 1.494	31	: 16.92
14	: 1.604	32	: 20.30
15	: 1.738	33	: 24.32
16	: 1.900	34	: 29.18
17	: 2.096	35	: 35.04
18	: 2.332	36	: 42.13

0 25 50

Scale 1:2000

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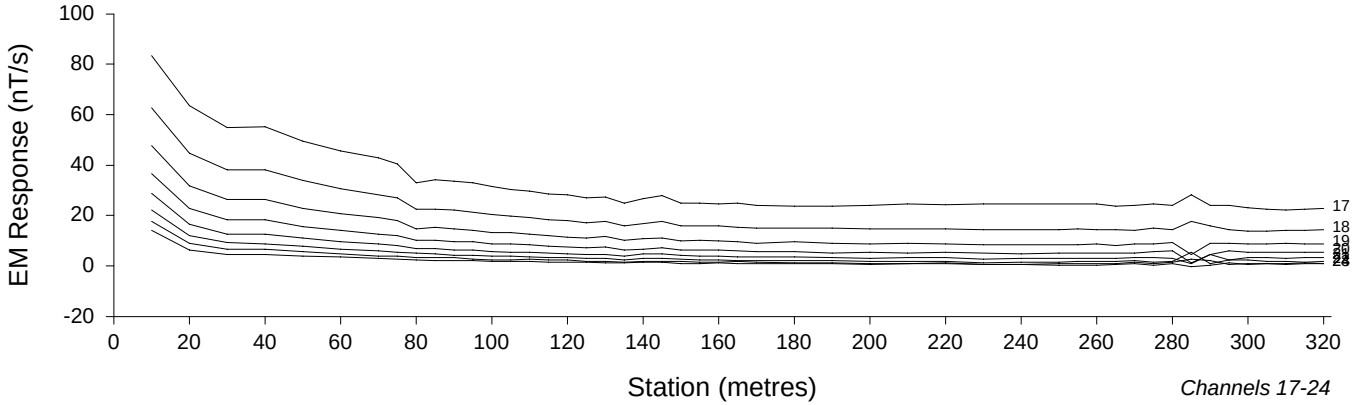
Wilson River Project - Tasmania

DHTEM Data Profiles

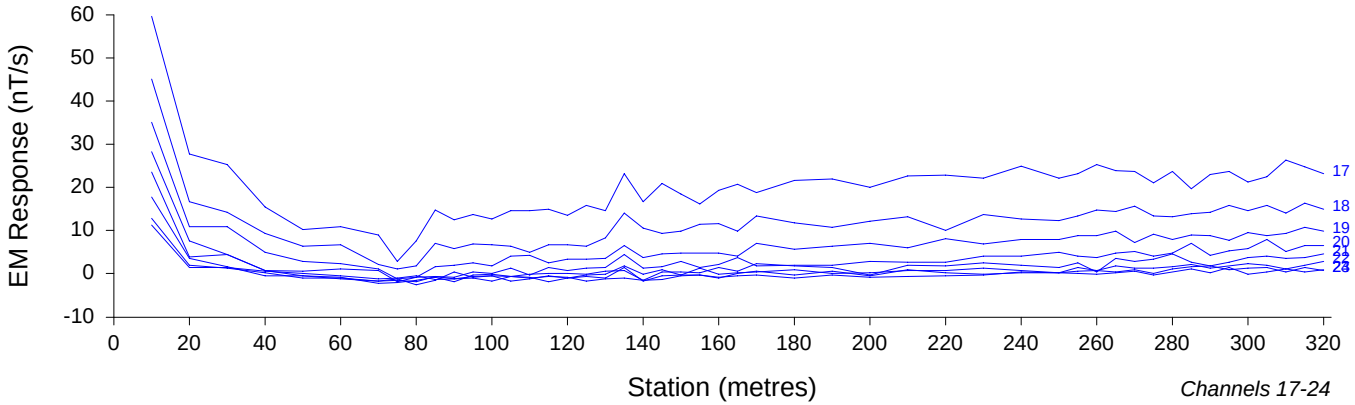
Hole WRD14

Drawn: RNM	Date: Nov 2008
Scale:	Figure:

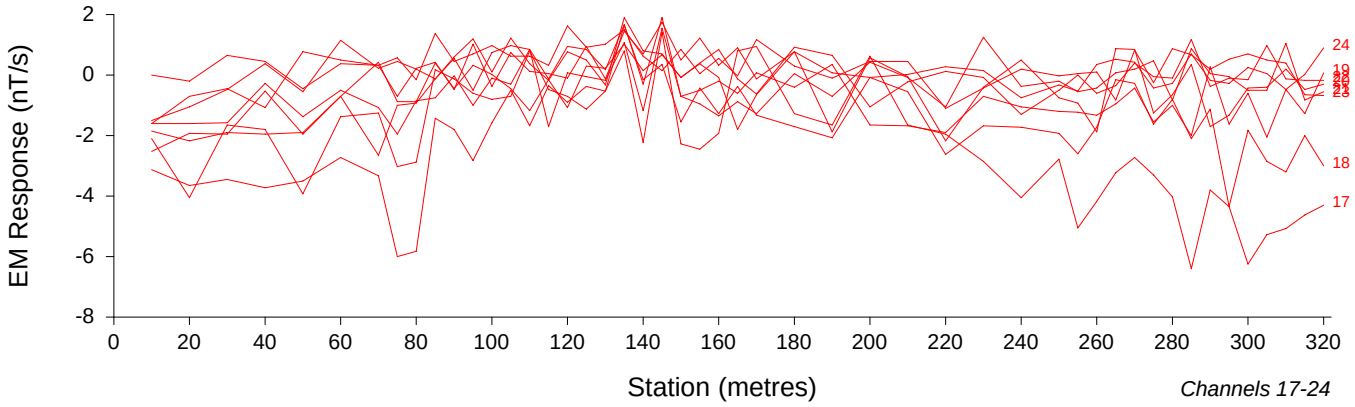
A Component



U Component



V Component



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 6/11/2008
Survey Type : Downhole
Stn Spacing : 5-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : WR1
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368520mE
MGA North : 5403125mN
RL : 0RL

WINDOW TIMES (ms)

From the start of the Ramp

1	: 1.016	19	: 2.618
2	: 1.028	20	: 2.964
3	: 1.042	21	: 3.380
4	: 1.058	22	: 3.884
5	: 1.078	23	: 4.492
6	: 1.102	24	: 5.226
7	: 1.132	25	: 6.112
8	: 1.168	26	: 7.184
9	: 1.210	27	: 8.478
10	: 1.262	28	: 10.04
11	: 1.326	29	: 11.93
12	: 1.402	30	: 14.16
13	: 1.494	31	: 16.92
14	: 1.604	32	: 20.30
15	: 1.738	33	: 24.32
16	: 1.900	34	: 29.18
17	: 2.096	35	: 35.04
18	: 2.332	36	: 42.13

0 25 50

Scale 1:2000

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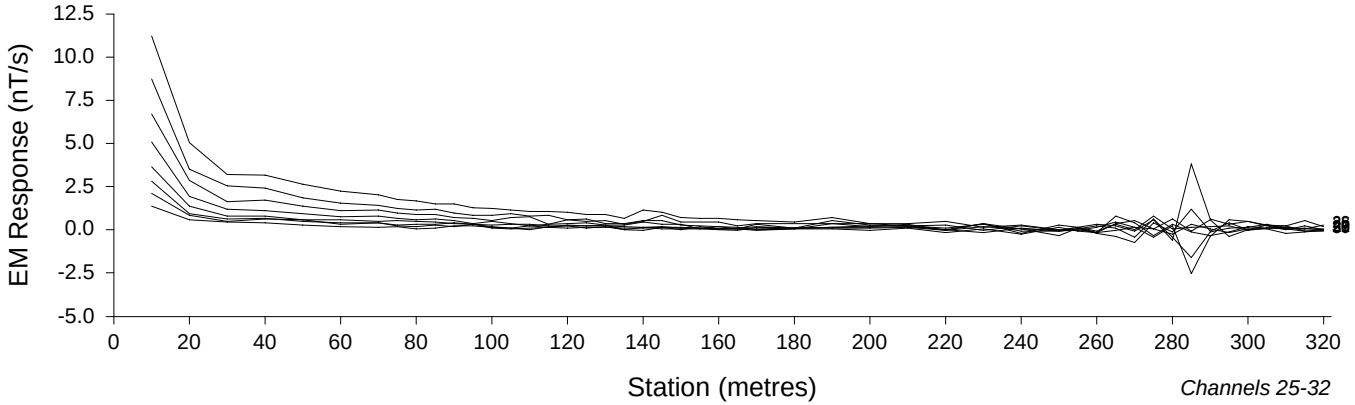
Wilson River Project - Tasmania

DHTEM Data Profiles

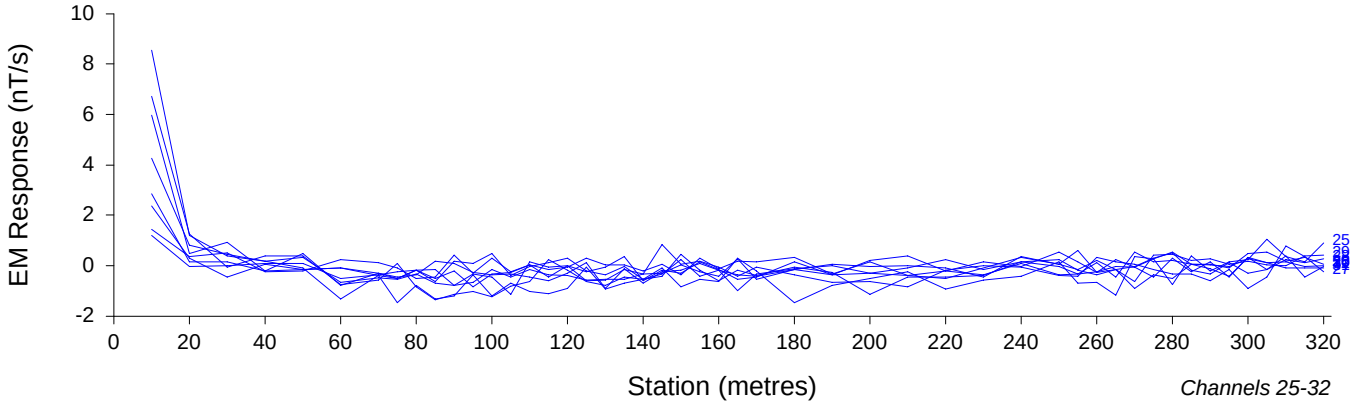
Hole WRD14

Drawn: RNM	Date: Nov 2008
Scale:	Figure:

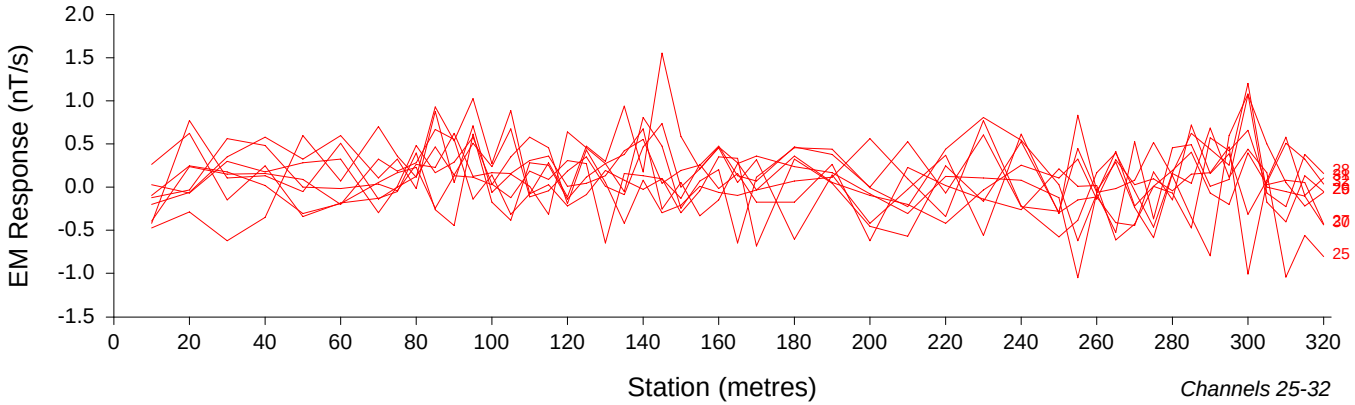
A Component



U Component



V Component



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 6/11/2008
Survey Type : Downhole
Stn Spacing : 5-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

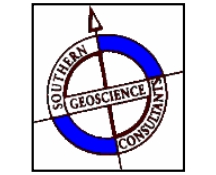
Transmitter : Crone
Loop : WR1
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368520mE
MGA North : 5403125mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	: 1.016	19	: 2.618
2	: 1.028	20	: 2.964
3	: 1.042	21	: 3.380
4	: 1.058	22	: 3.884
5	: 1.078	23	: 4.492
6	: 1.102	24	: 5.226
7	: 1.132	25	: 6.112
8	: 1.168	26	: 7.184
9	: 1.210	27	: 8.478
10	: 1.262	28	: 10.04
11	: 1.326	29	: 11.93
12	: 1.402	30	: 14.16
13	: 1.494	31	: 16.92
14	: 1.604	32	: 20.30
15	: 1.738	33	: 24.32
16	: 1.900	34	: 29.18
17	: 2.096	35	: 35.04
18	: 2.332	36	: 42.13



Scale 1:2000

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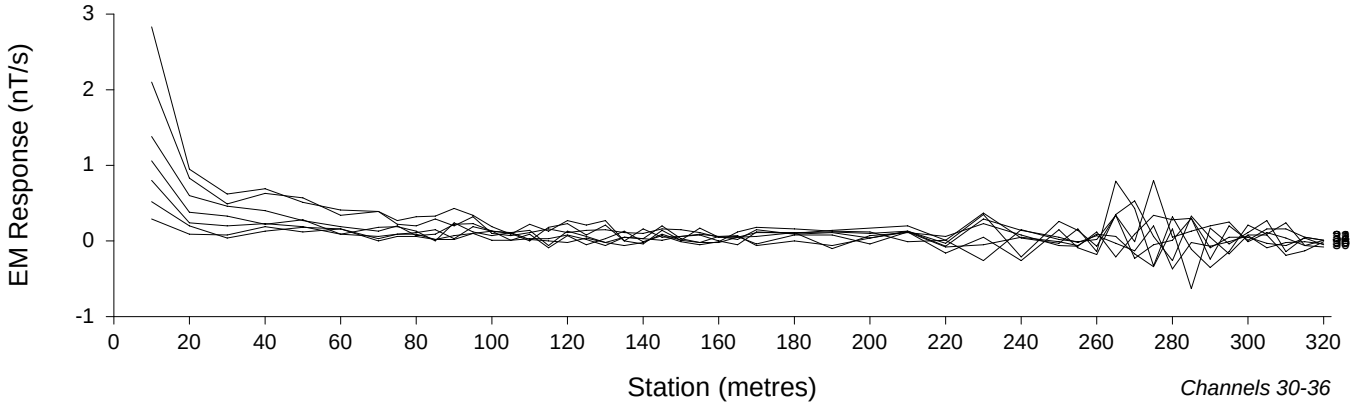
DHTEM Data Profiles

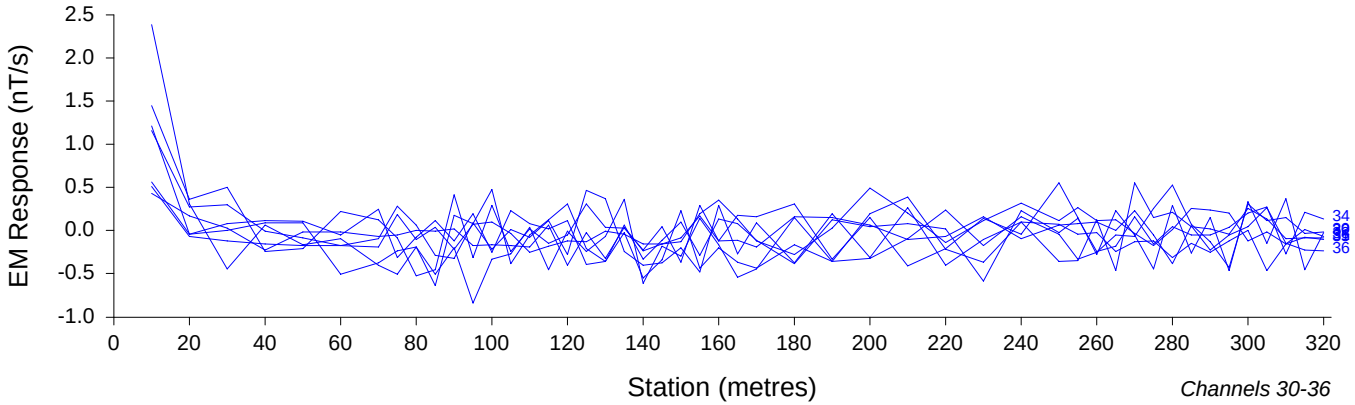
Hole WRD14

Drawn: RNM	Date: Nov 2008
Scale:	Figure:

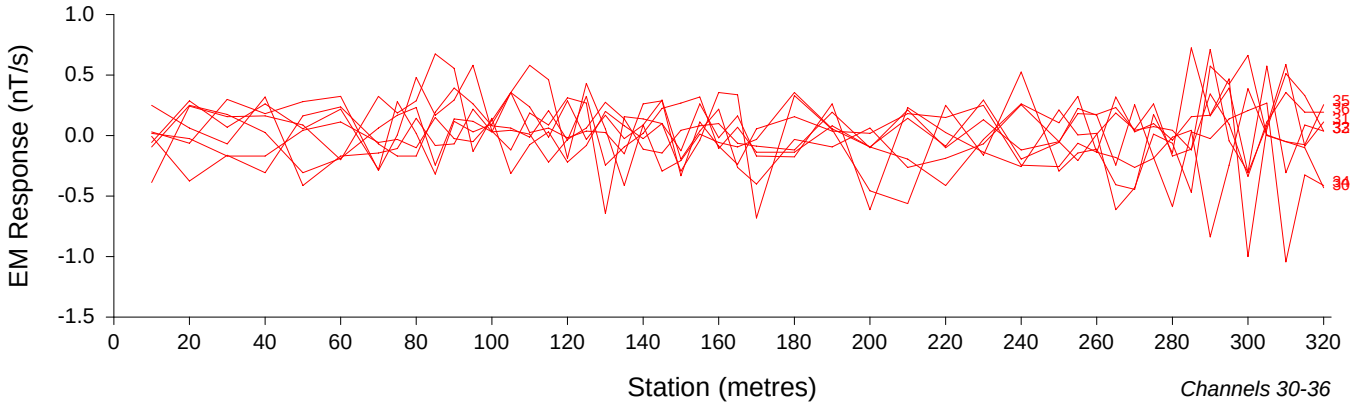
A Component



U Component



V Component



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 6/11/2008
Survey Type : Downhole
Stn Spacing : 5-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : WR1
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368520mE
MGA North : 5403125mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	: 1.016	19	: 2.618
2	: 1.028	20	: 2.964
3	: 1.042	21	: 3.380
4	: 1.058	22	: 3.884
5	: 1.078	23	: 4.492
6	: 1.102	24	: 5.226
7	: 1.132	25	: 6.112
8	: 1.168	26	: 7.184
9	: 1.210	27	: 8.478
10	: 1.262	28	: 10.04
11	: 1.326	29	: 11.93
12	: 1.402	30	: 14.16
13	: 1.494	31	: 16.92
14	: 1.604	32	: 20.30
15	: 1.738	33	: 24.32
16	: 1.900	34	: 29.18
17	: 2.096	35	: 35.04
18	: 2.332	36	: 42.13

Scale 1:2000

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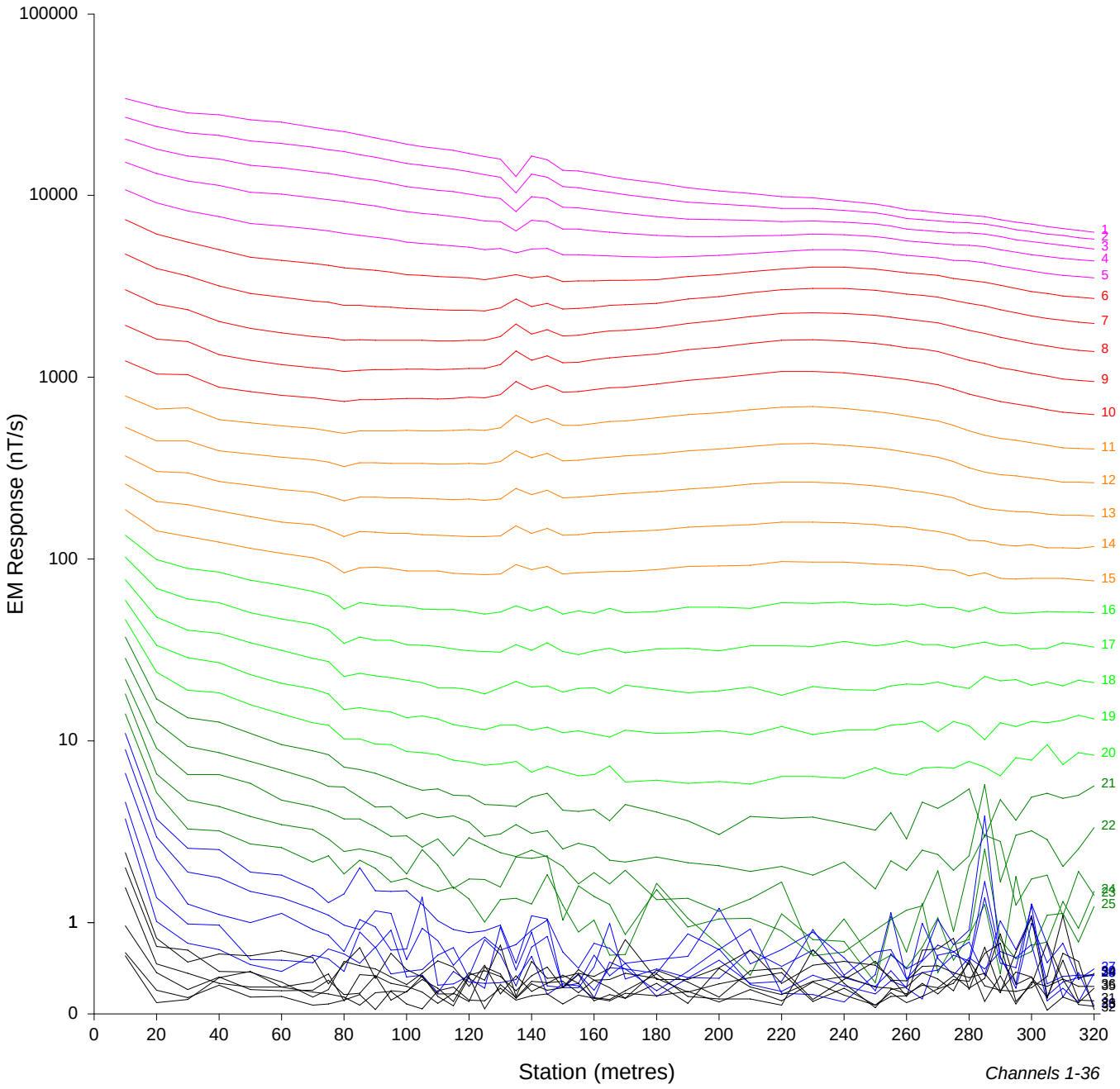
DHTEM Data Profiles

Hole WRD14

Drawn: RNM	Date: Nov 2008
Scale:	Figure:



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 6/11/2008
Survey Type : Downhole
Stn Spacing : 5-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : Z
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : WR1
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368520mE
MGA North : 5403125mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	1.016	19	2.618
2	1.028	20	2.964
3	1.042	21	3.380
4	1.058	22	3.884
5	1.078	23	4.492
6	1.102	24	5.226
7	1.132	25	6.112
8	1.168	26	7.184
9	1.210	27	8.478
10	1.262	28	10.04
11	1.326	29	11.93
12	1.402	30	14.16
13	1.494	31	16.92
14	1.604	32	20.30
15	1.738	33	24.32
16	1.900	34	29.18
17	2.096	35	35.04
18	2.332	36	42.13

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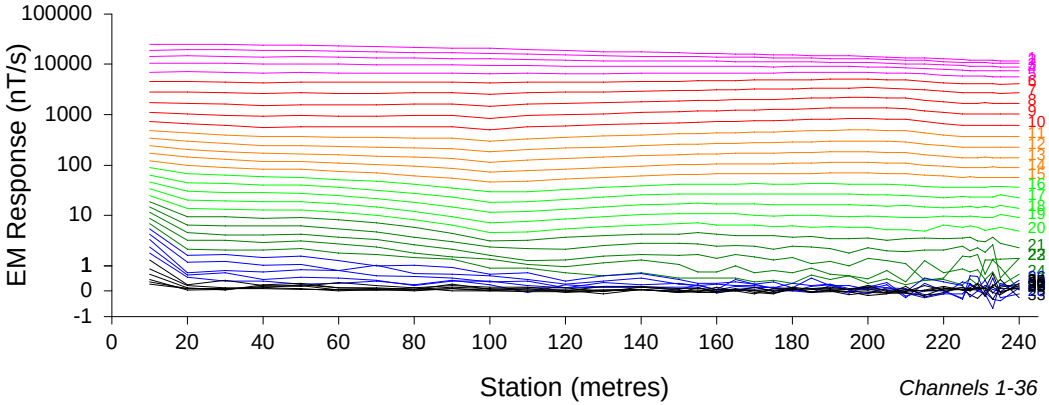
DHTEM Data Profiles

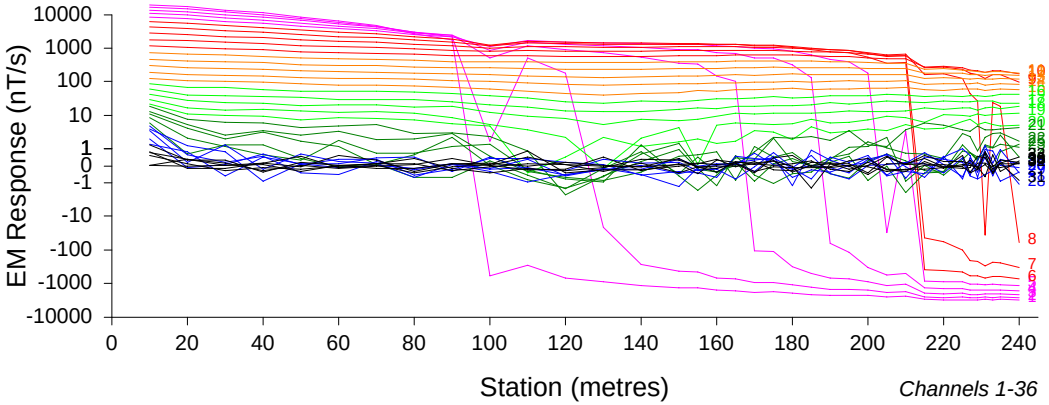
Hole WRD14

Drawn: RNM	Date: Nov 2008
Scale:	Figure:

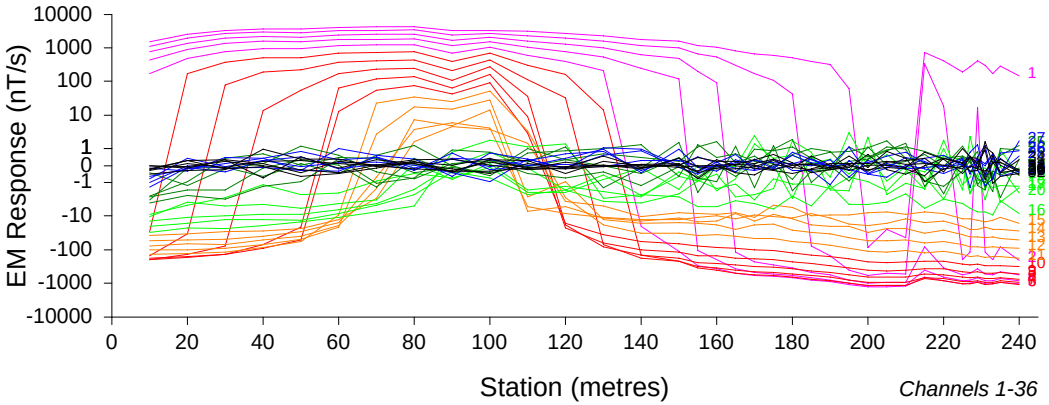
A Component



U Component



V Component



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 5/11/2008
Survey Type : Downhole
Stn Spacing : 2-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : None
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368475mE
MGA North : 5403250mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	1.016	19	2.618
2	1.028	20	2.964
3	1.042	21	3.380
4	1.058	22	3.884
5	1.078	23	4.492
6	1.102	24	5.226
7	1.132	25	6.112
8	1.168	26	7.184
9	1.210	27	8.478
10	1.262	28	10.04
11	1.326	29	11.93
12	1.402	30	14.16
13	1.494	31	16.92
14	1.604	32	20.30
15	1.738	33	24.32
16	1.900	34	29.18
17	2.096	35	35.04
18	2.332	36	42.13

0 25 50

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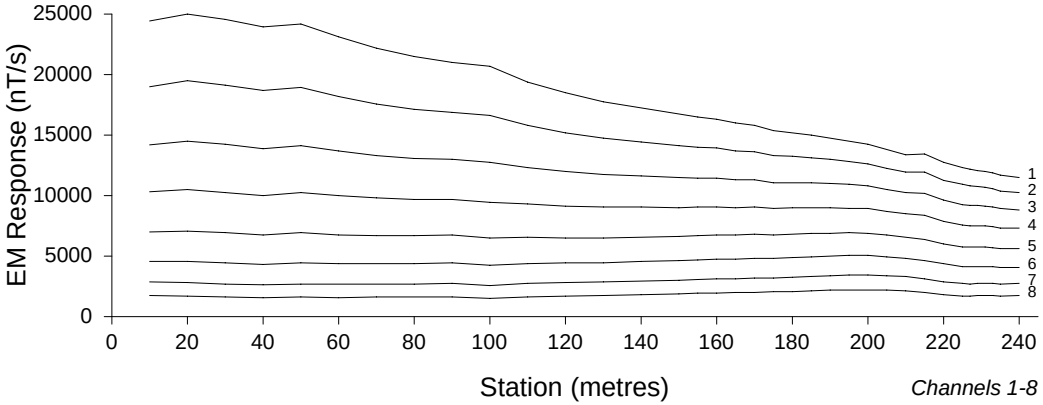
DHTEM Data Profiles

Hole WRD15

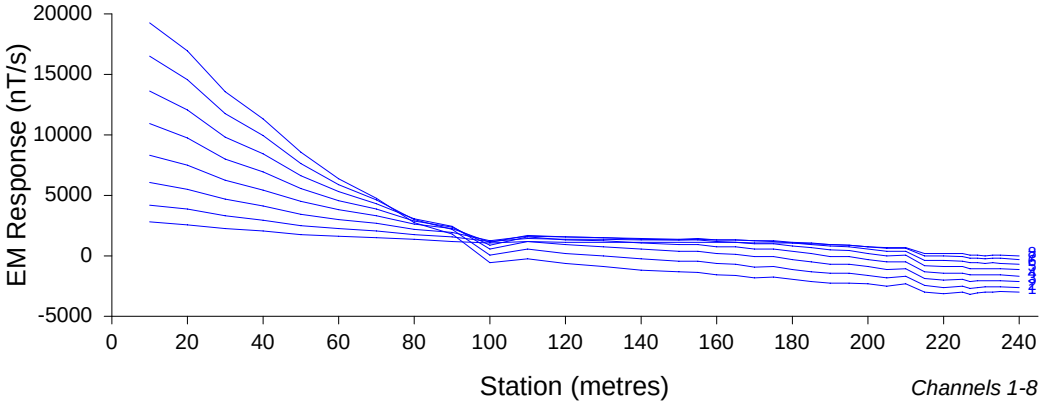
Drawn: RNM	Date: Nov 2008
Scale:	Figure:

A Component



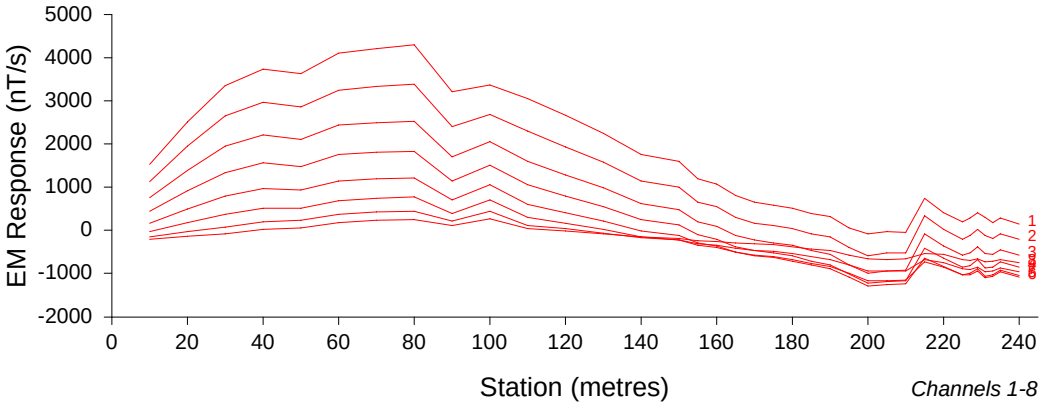
Channels 1-8

U Component



Channels 1-8

V Component



Channels 1-8

SURVEY PARAMETERS

Contractor : Outer Rim
Date : 5/11/2008
Survey Type : Downhole
Stn Spacing : 2-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : None
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368475mE
MGA North : 5403250mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	1.016	19	2.618
2	1.028	20	2.964
3	1.042	21	3.380
4	1.058	22	3.884
5	1.078	23	4.492
6	1.102	24	5.226
7	1.132	25	6.112
8	1.168	26	7.184
9	1.210	27	8.478
10	1.262	28	10.04
11	1.326	29	11.93
12	1.402	30	14.16
13	1.494	31	16.92
14	1.604	32	20.30
15	1.738	33	24.32
16	1.900	34	29.18
17	2.096	35	35.04
18	2.332	36	42.13

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Scale 1:2000

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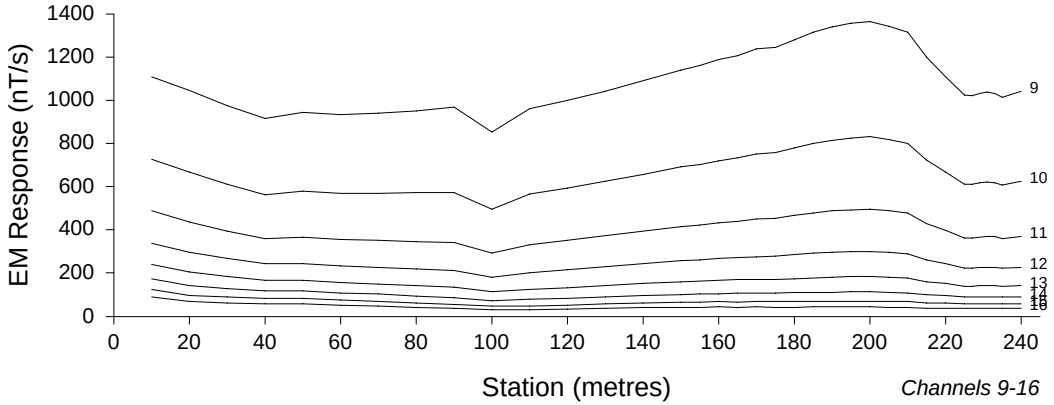
Wilson River Project - Tasmania

DHTEM Data Profiles

Hole WRD15

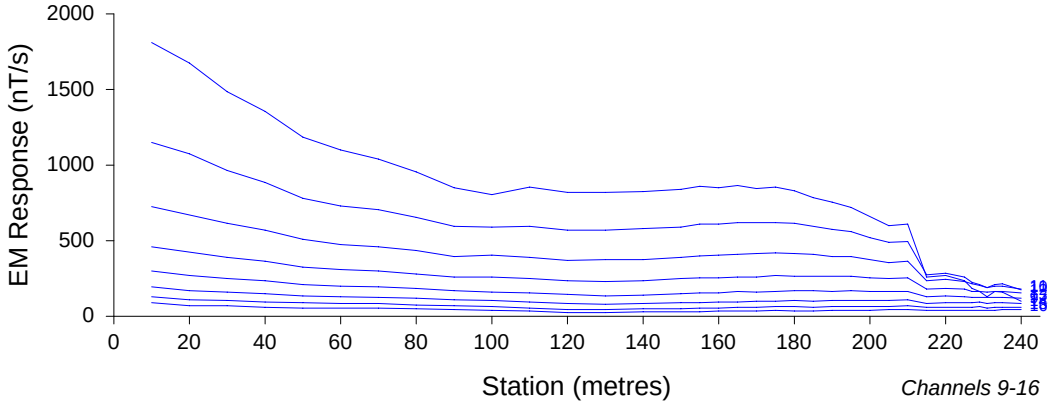
Drawn: RNM	Date: Nov 2008
Scale:	Figure:

A Component



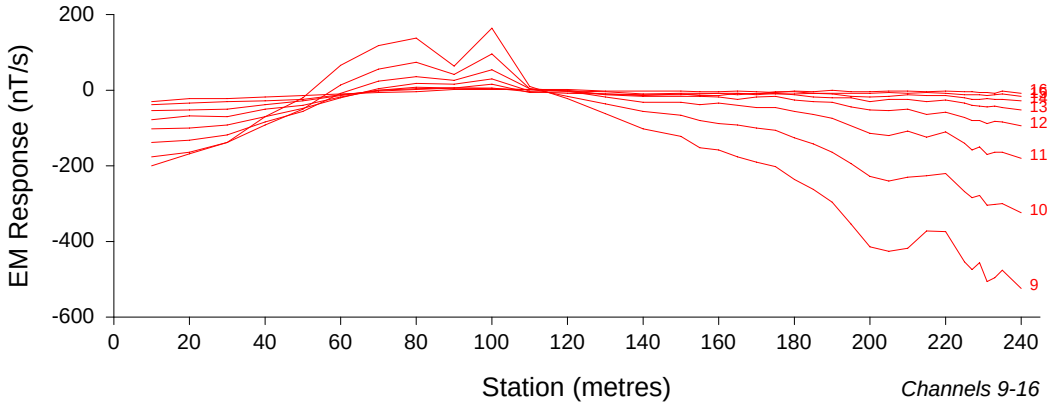
Channels 9-16

U Component



Channels 9-16

V Component



Channels 9-16

SURVEY PARAMETERS

Contractor : Outer Rim
Date : 5/11/2008
Survey Type : Downhole
Stn Spacing : 2-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

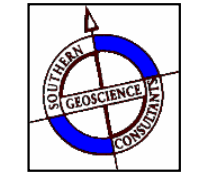
Transmitter : Crone
Loop : None
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368475mE
MGA North : 5403250mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	1.016	19	2.618
2	1.028	20	2.964
3	1.042	21	3.380
4	1.058	22	3.884
5	1.078	23	4.492
6	1.102	24	5.226
7	1.132	25	6.112
8	1.168	26	7.184
9	1.210	27	8.478
10	1.262	28	10.04
11	1.326	29	11.93
12	1.402	30	14.16
13	1.494	31	16.92
14	1.604	32	20.30
15	1.738	33	24.32
16	1.900	34	29.18
17	2.096	35	35.04
18	2.332	36	42.13



0 25 50

Scale 1:2000

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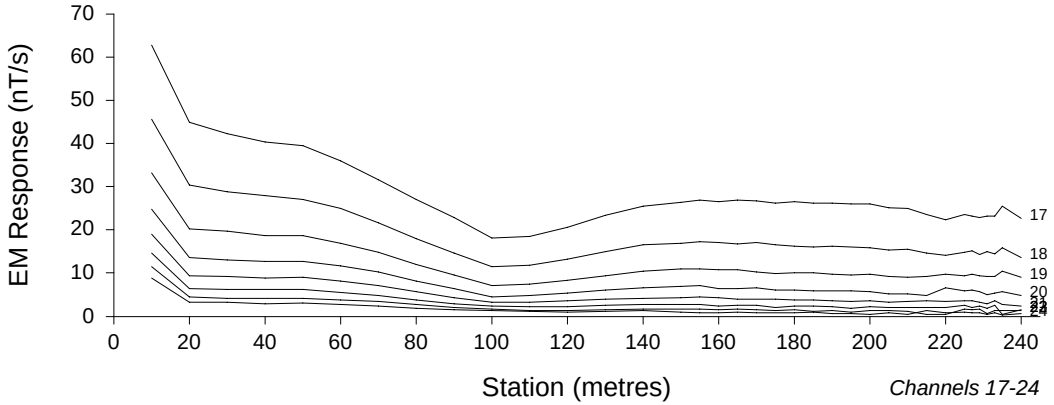
Wilson River Project - Tasmania

DHTEM Data Profiles

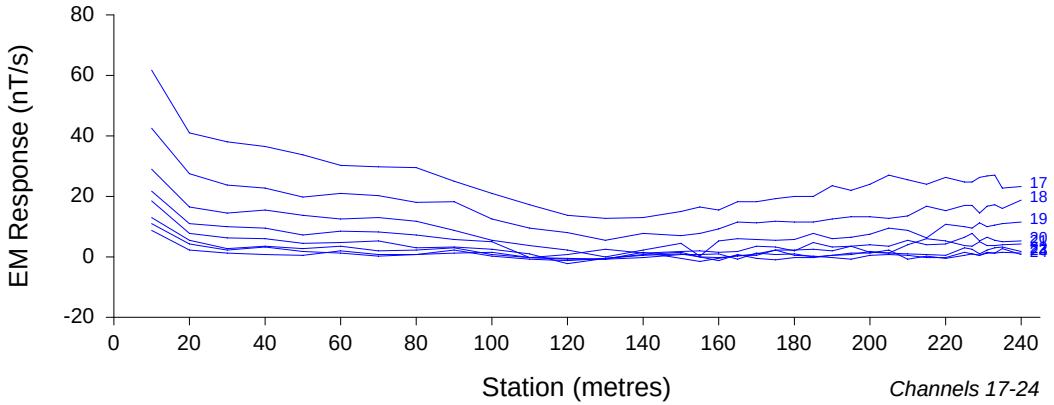
Hole WRD15

Drawn: RNM	Date: Nov 2008
Scale:	Figure:

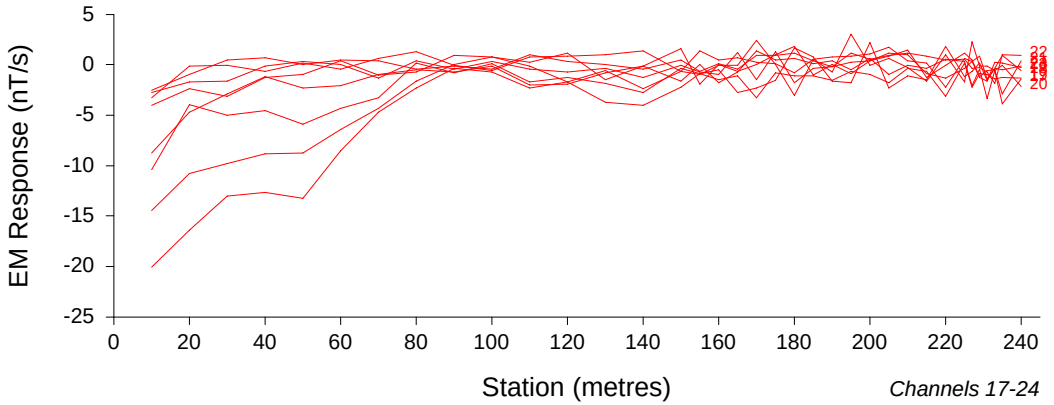
A Component



U Component



V Component



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 5/11/2008
Survey Type : Downhole
Stn Spacing : 2-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

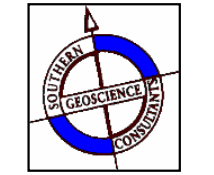
Transmitter : Crone
Loop : None
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368475mE
MGA North : 5403250mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	1.016	19	2.618
2	1.028	20	2.964
3	1.042	21	3.380
4	1.058	22	3.884
5	1.078	23	4.492
6	1.102	24	5.226
7	1.132	25	6.112
8	1.168	26	7.184
9	1.210	27	8.478
10	1.262	28	10.04
11	1.326	29	11.93
12	1.402	30	14.16
13	1.494	31	16.92
14	1.604	32	20.30
15	1.738	33	24.32
16	1.900	34	29.18
17	2.096	35	35.04
18	2.332	36	42.13



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Scale 1:2000

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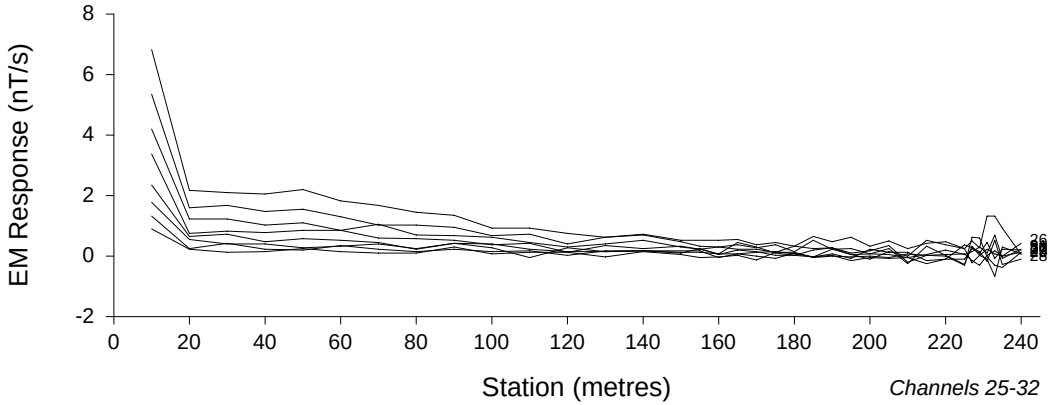
Wilson River Project - Tasmania

DHTEM Data Profiles

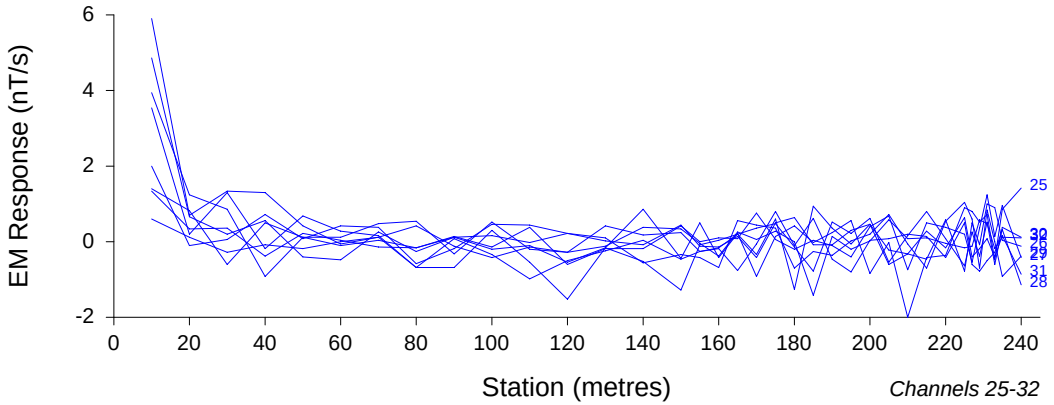
Hole WRD15

Drawn: RNM	Date: Nov 2008
Scale:	Figure:

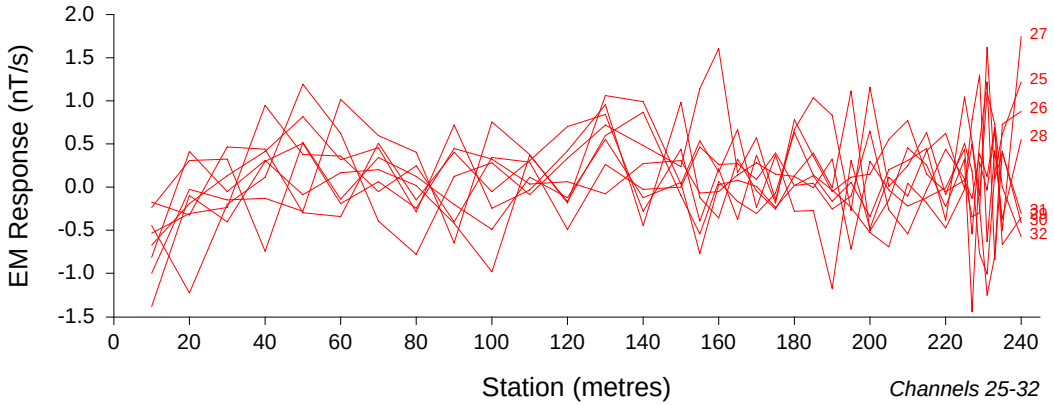
A Component



U Component



V Component



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 5/11/2008
Survey Type : Downhole
Stn Spacing : 2-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

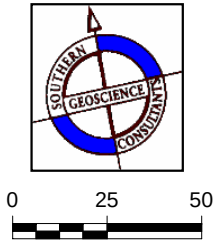
Transmitter : Crone
Loop : None
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368475mE
MGA North : 5403250mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	1.016	19	2.618
2	1.028	20	2.964
3	1.042	21	3.380
4	1.058	22	3.884
5	1.078	23	4.492
6	1.102	24	5.226
7	1.132	25	6.112
8	1.168	26	7.184
9	1.210	27	8.478
10	1.262	28	10.04
11	1.326	29	11.93
12	1.402	30	14.16
13	1.494	31	16.92
14	1.604	32	20.30
15	1.738	33	24.32
16	1.900	34	29.18
17	2.096	35	35.04
18	2.332	36	42.13



Scale 1:2000

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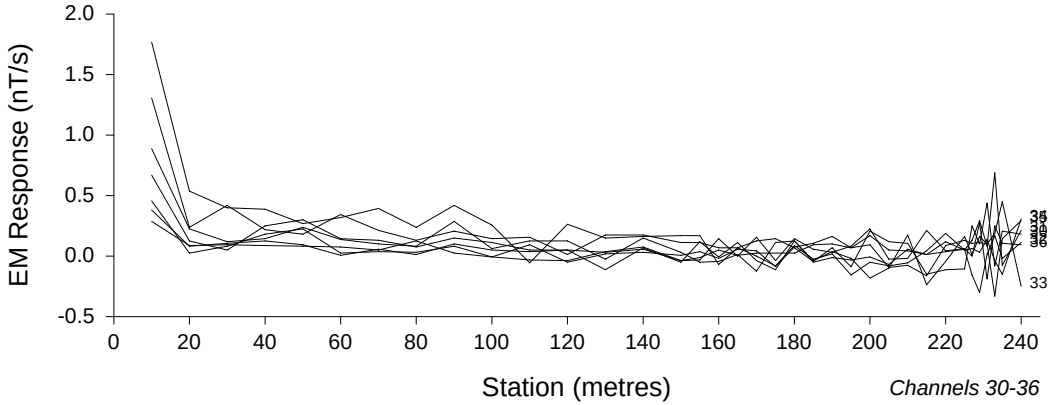
Wilson River Project - Tasmania

DHTEM Data Profiles

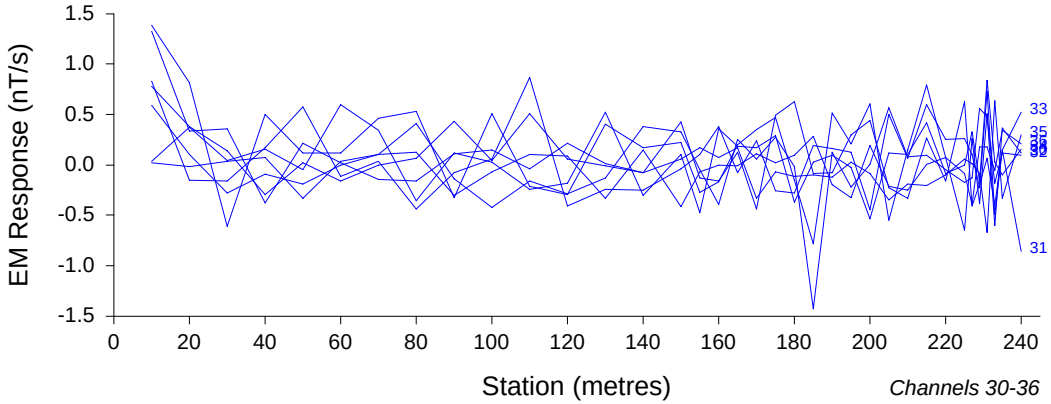
Hole WRD15

Drawn: RNM	Date: Nov 2008
Scale:	Figure:

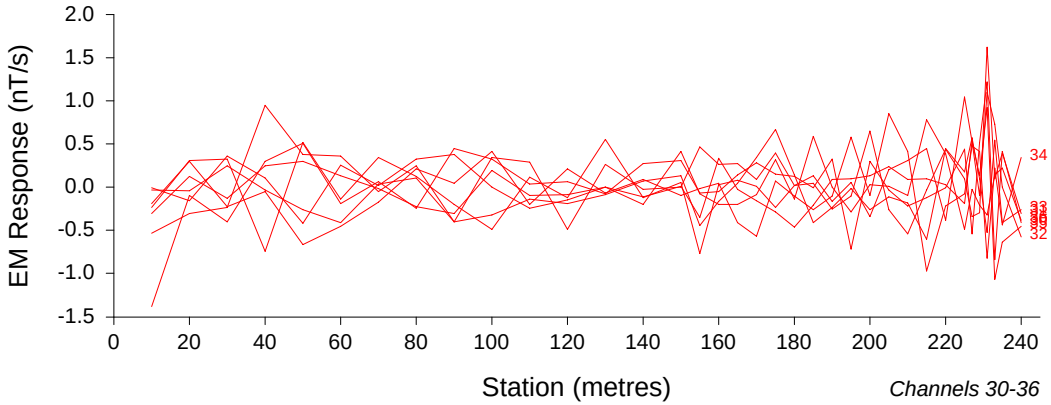
A Component



U Component



V Component



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 5/11/2008
Survey Type : Downhole
Stn Spacing : 2-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : None
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368475mE
MGA North : 5403250mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	1.016	19	2.618
2	1.028	20	2.964
3	1.042	21	3.380
4	1.058	22	3.884
5	1.078	23	4.492
6	1.102	24	5.226
7	1.132	25	6.112
8	1.168	26	7.184
9	1.210	27	8.478
10	1.262	28	10.04
11	1.326	29	11.93
12	1.402	30	14.16
13	1.494	31	16.92
14	1.604	32	20.30
15	1.738	33	24.32
16	1.900	34	29.18
17	2.096	35	35.04
18	2.332	36	42.13

0 25 50

Scale 1:2000

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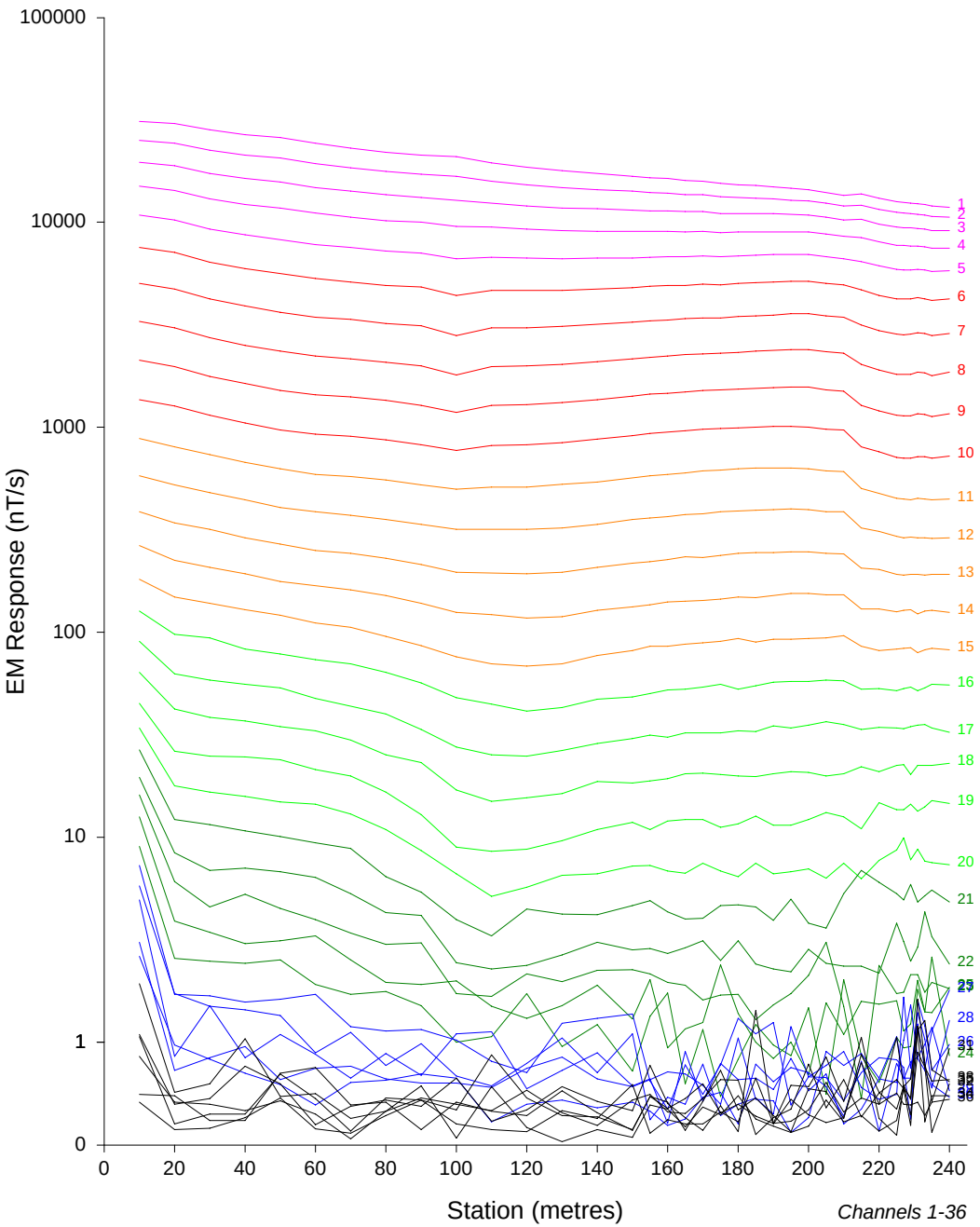
Wilson River Project - Tasmania

DHTEM Data Profiles

Hole WRD15

Drawn: RNM	Date: Nov 2008
Scale:	Figure:



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 5/11/2008
Survey Type : Downhole
Stn Spacing : 2-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : Z
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : None
Tx Area : 125000m^2
Tx Turns : 1
Tx Current : 22A
Ramp : 1 ms

HOLE COORDS

MGA East : 368475mE
MGA North : 5403250mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	1.016	19	2.618
2	1.028	20	2.964
3	1.042	21	3.380
4	1.058	22	3.884
5	1.078	23	4.492
6	1.102	24	5.226
7	1.132	25	6.112
8	1.168	26	7.184
9	1.210	27	8.478
10	1.262	28	10.04
11	1.326	29	11.93
12	1.402	30	14.16
13	1.494	31	16.92
14	1.604	32	20.30
15	1.738	33	24.32
16	1.900	34	29.18
17	2.096	35	35.04
18	2.332	36	42.13

0 25 50

Scale 1:2000

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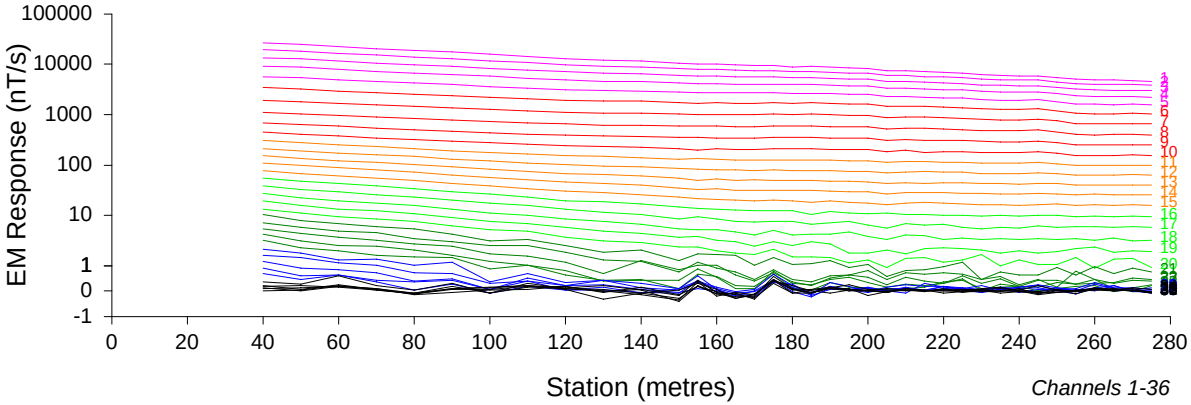
Wilson River Project - Tasmania

DHTEM Data Profiles

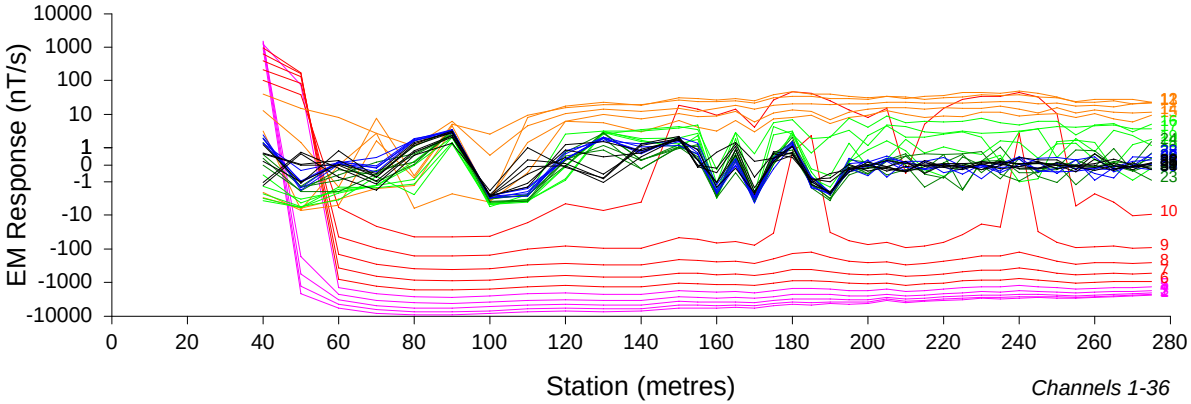
Hole WRD15

Drawn: RNM	Date: Nov 2008
Scale:	Figure:

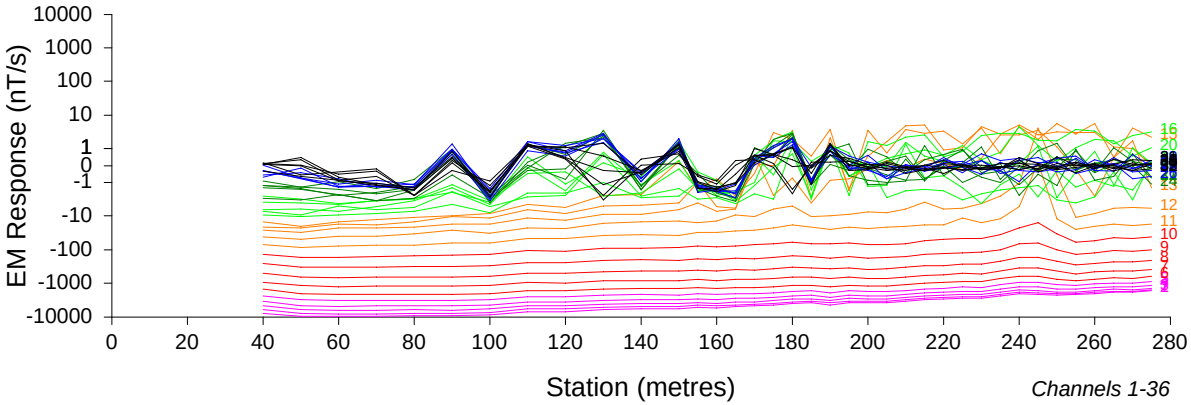
A Component



U Component



V Component



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 7/11/2008
Survey Type : Downhole
Stn Spacing : 5-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

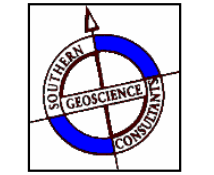
Transmitter : Crone
Loop : WR2
Tx Area : 58750m^2
Tx Turns : 1
Tx Current : 25A
Ramp : 1 ms

HOLE COORDS

MGA East : 368695mE
MGA North : 5401900mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	1.008	19	2.610
2	1.020	20	2.956
3	1.034	21	3.372
4	1.050	22	3.876
5	1.070	23	4.484
6	1.094	24	5.218
7	1.124	25	6.104
8	1.160	26	7.176
9	1.202	27	8.470
10	1.254	28	10.03
11	1.318	29	11.92
12	1.394	30	14.16
13	1.486	31	16.92
14	1.596	32	20.29
15	1.730	33	24.31
16	1.892	34	29.17
17	2.088	35	35.04
18	2.324	36	42.12



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Scale 1:2000

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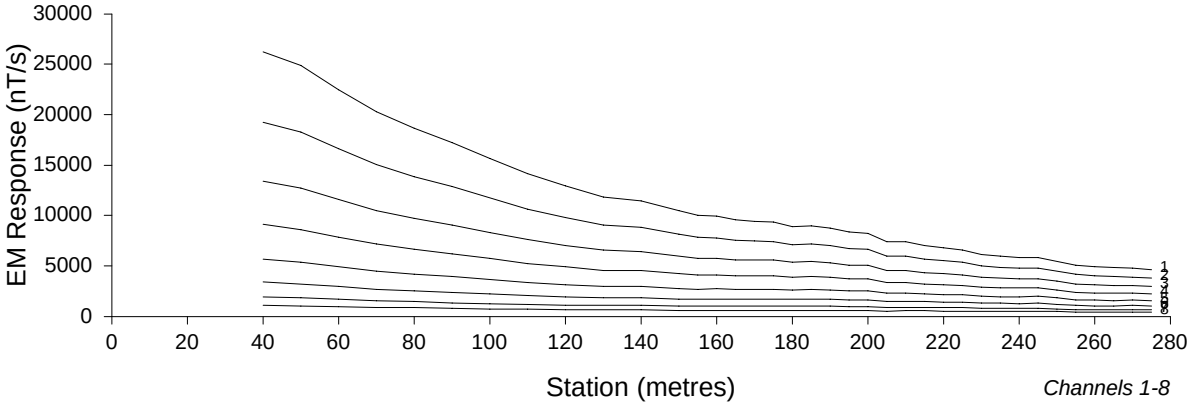
DHTEM Data Profiles

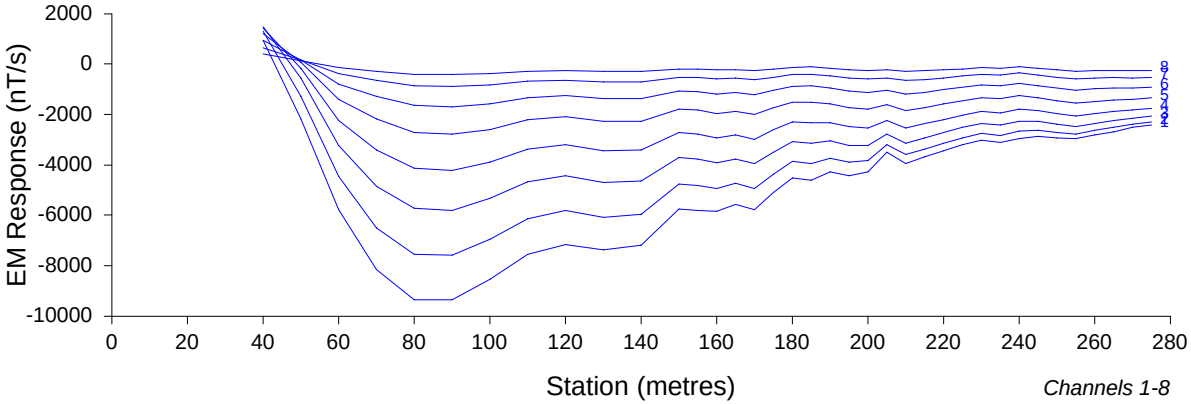
Hole WRD16

Drawn: RNM	Date: Nov 2008
Scale:	Figure:

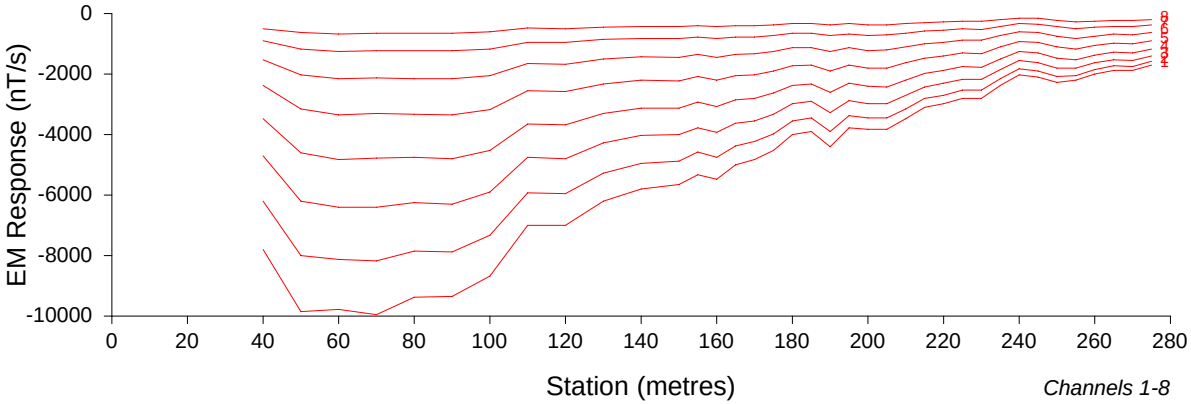
A Component



U Component



V Component



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 7/11/2008
Survey Type : Downhole
Stn Spacing : 5-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : WR2
Tx Area : 58750m^2
Tx Turns : 1
Tx Current : 25A
Ramp : 1 ms

HOLE COORDS

MGA East : 368695mE
MGA North : 5401900mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	: 1.008	19	: 2.610
2	: 1.020	20	: 2.956
3	: 1.034	21	: 3.372
4	: 1.050	22	: 3.876
5	: 1.070	23	: 4.484
6	: 1.094	24	: 5.218
7	: 1.124	25	: 6.104
8	: 1.160	26	: 7.176
9	: 1.202	27	: 8.470
10	: 1.254	28	: 10.03
11	: 1.318	29	: 11.92
12	: 1.394	30	: 14.16
13	: 1.486	31	: 16.92
14	: 1.596	32	: 20.29
15	: 1.730	33	: 24.31
16	: 1.892	34	: 29.17
17	: 2.088	35	: 35.04
18	: 2.324	36	: 42.12

0 25 50

Scale 1:2000

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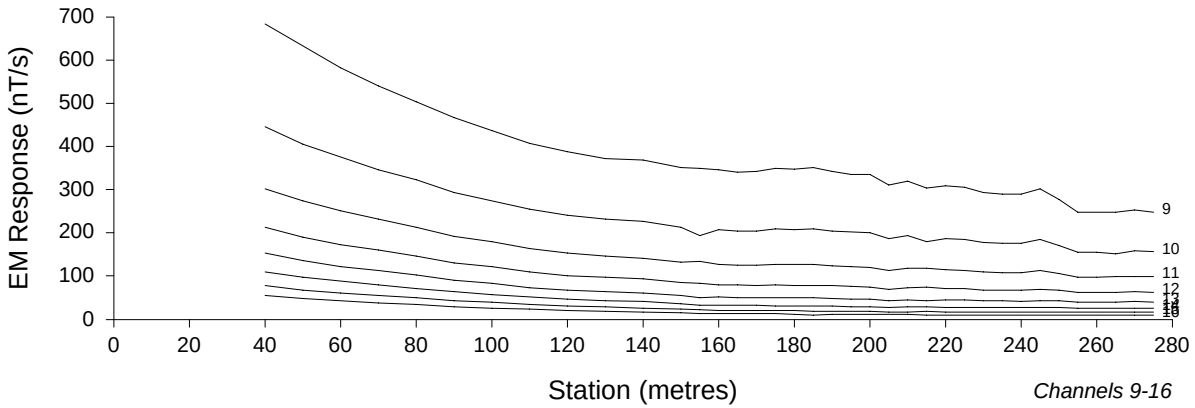
DHTEM Data Profiles

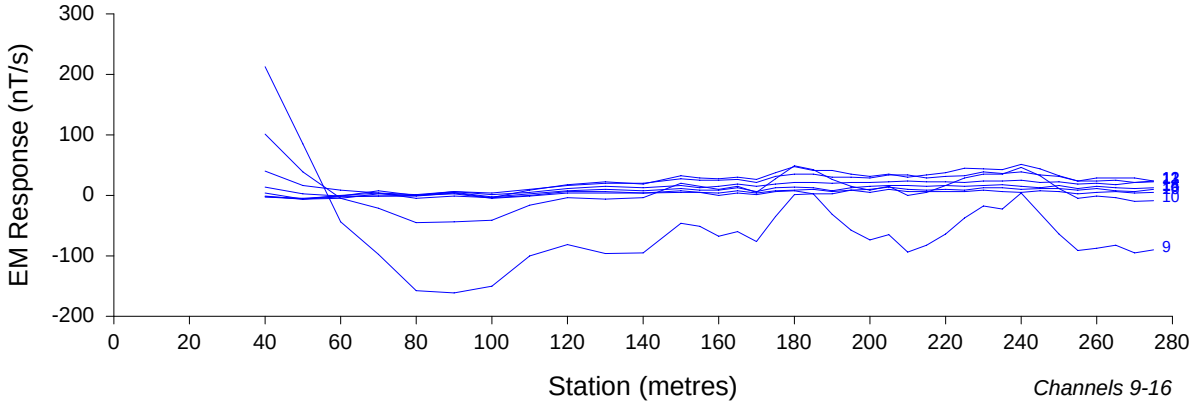
Hole WRD16

Drawn: RNM	Date: Nov 2008
Scale:	Figure:

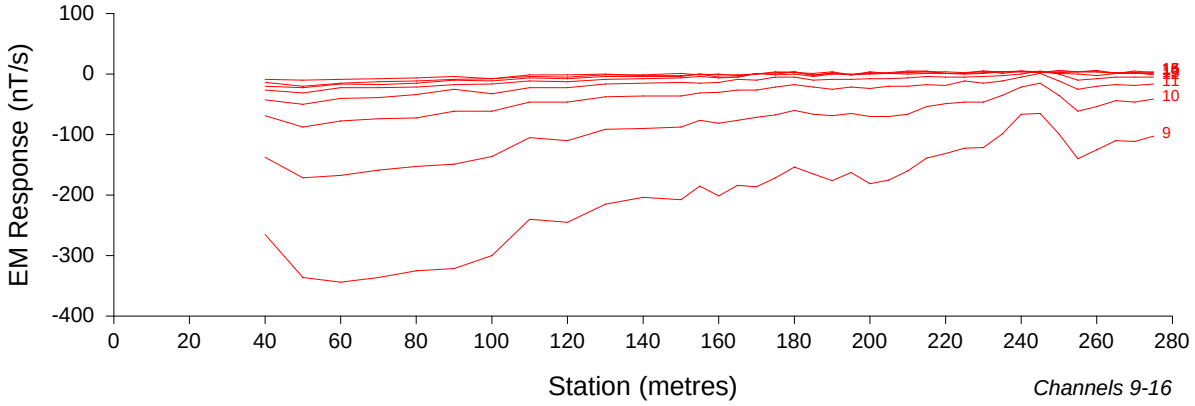
A Component



U Component



V Component



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 7/11/2008
Survey Type : Downhole
Stn Spacing : 5-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

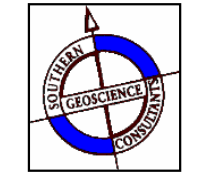
Transmitter : Crone
Loop : WR2
Tx Area : 58750m^2
Tx Turns : 1
Tx Current : 25A
Ramp : 1 ms

HOLE COORDS

MGA East : 368695mE
MGA North : 5401900mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	: 1.008	19	: 2.610
2	: 1.020	20	: 2.956
3	: 1.034	21	: 3.372
4	: 1.050	22	: 3.876
5	: 1.070	23	: 4.484
6	: 1.094	24	: 5.218
7	: 1.124	25	: 6.104
8	: 1.160	26	: 7.176
9	: 1.202	27	: 8.470
10	: 1.254	28	: 10.03
11	: 1.318	29	: 11.92
12	: 1.394	30	: 14.16
13	: 1.486	31	: 16.92
14	: 1.596	32	: 20.29
15	: 1.730	33	: 24.31
16	: 1.892	34	: 29.17
17	: 2.088	35	: 35.04
18	: 2.324	36	: 42.12



Scale 1:2000

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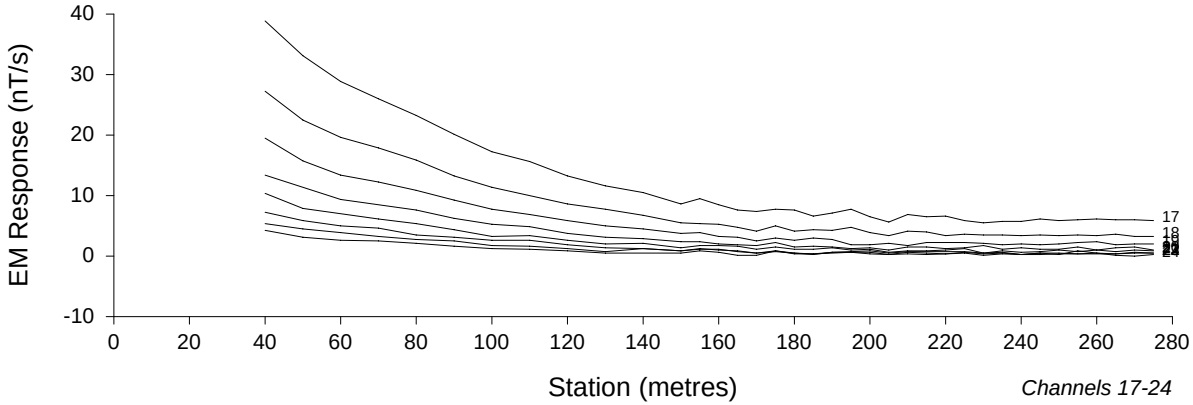
DHTEM Data Profiles

Hole WRD16

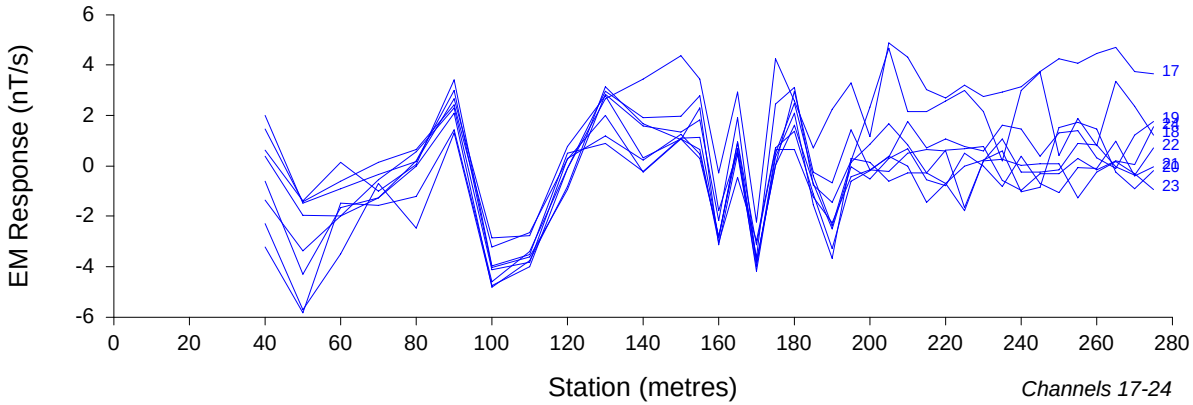
Drawn: RNM	Date: Nov 2008
Scale:	Figure:

A Component



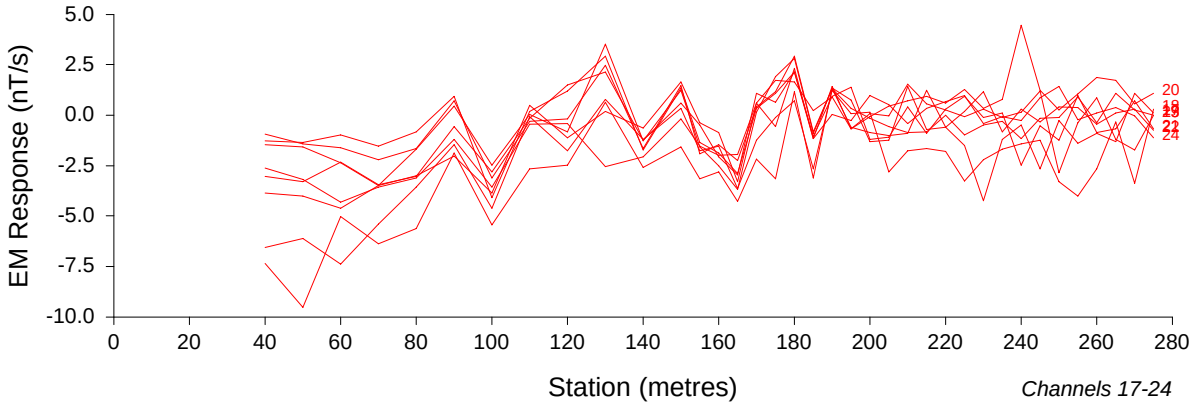
Channels 17-24

U Component



Channels 17-24

V Component



Channels 17-24

SURVEY PARAMETERS

Contractor : Outer Rim
Date : 7/11/2008
Survey Type : Downhole
Stn Spacing : 5-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

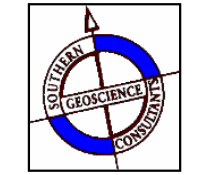
Transmitter : Crone
Loop : WR2
Tx Area : 58750m^2
Tx Turns : 1
Tx Current : 25A
Ramp : 1 ms

HOLE COORDS

MGA East : 368695mE
MGA North : 5401900mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	: 1.008	19	: 2.610
2	: 1.020	20	: 2.956
3	: 1.034	21	: 3.372
4	: 1.050	22	: 3.876
5	: 1.070	23	: 4.484
6	: 1.094	24	: 5.218
7	: 1.124	25	: 6.104
8	: 1.160	26	: 7.176
9	: 1.202	27	: 8.470
10	: 1.254	28	: 10.03
11	: 1.318	29	: 11.92
12	: 1.394	30	: 14.16
13	: 1.486	31	: 16.92
14	: 1.596	32	: 20.29
15	: 1.730	33	: 24.31
16	: 1.892	34	: 29.17
17	: 2.088	35	: 35.04
18	: 2.324	36	: 42.12



0 25 50

Scale 1:2000

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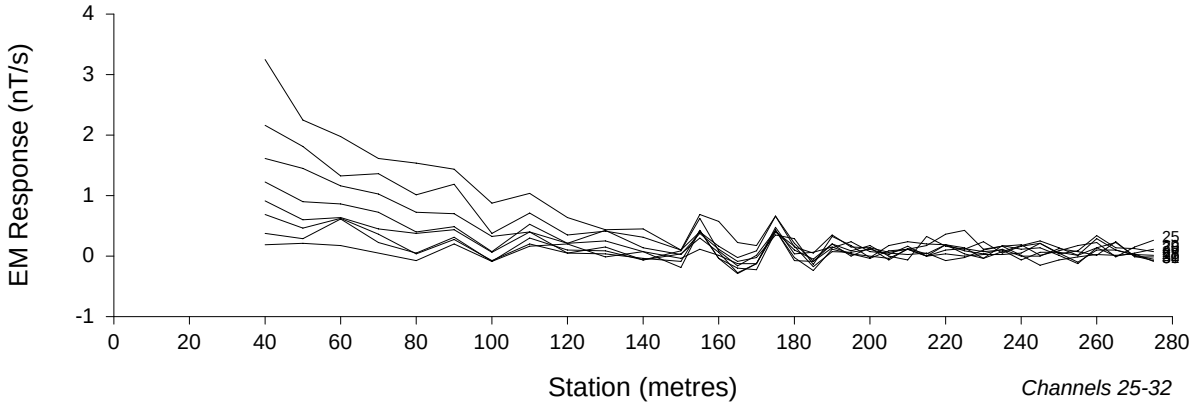
Wilson River Project - Tasmania

DHTEM Data Profiles

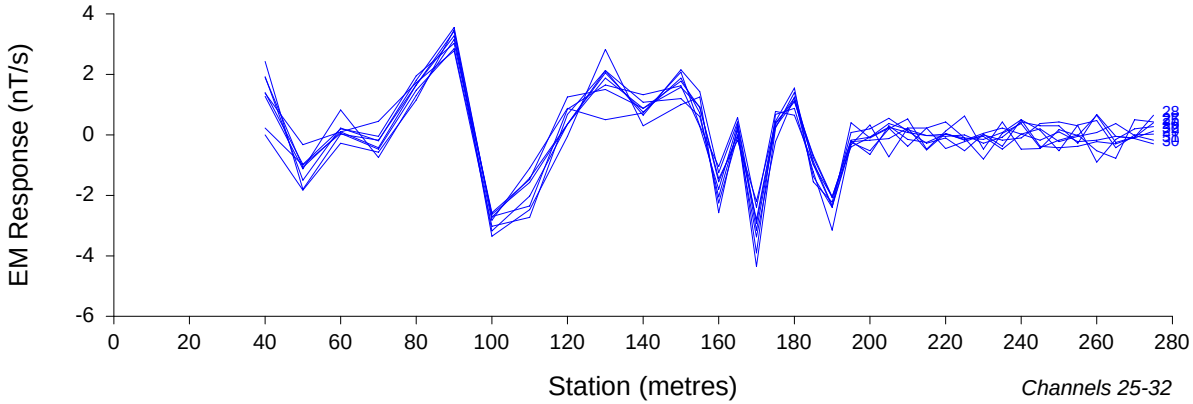
Hole WRD16

Drawn: RNM	Date: Nov 2008
Scale:	Figure:

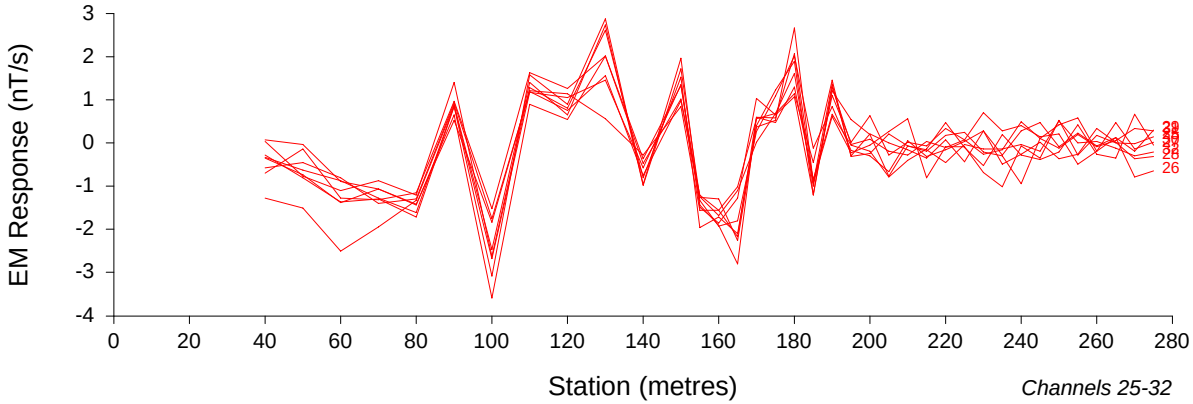
A Component



U Component



V Component



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 7/11/2008
Survey Type : Downhole
Stn Spacing : 5-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : WR2
Tx Area : 58750m^2
Tx Turns : 1
Tx Current : 25A
Ramp : 1 ms

HOLE COORDS

MGA East : 368695mE
MGA North : 5401900mN
RL : 0RL

WINDOW TIMES (ms)

From the start of the Ramp

1	: 1.008	19	: 2.610
2	: 1.020	20	: 2.956
3	: 1.034	21	: 3.372
4	: 1.050	22	: 3.876
5	: 1.070	23	: 4.484
6	: 1.094	24	: 5.218
7	: 1.124	25	: 6.104
8	: 1.160	26	: 7.176
9	: 1.202	27	: 8.470
10	: 1.254	28	: 10.03
11	: 1.318	29	: 11.92
12	: 1.394	30	: 14.16
13	: 1.486	31	: 16.92
14	: 1.596	32	: 20.29
15	: 1.730	33	: 24.31
16	: 1.892	34	: 29.17
17	: 2.088	35	: 35.04
18	: 2.324	36	: 42.12

0 25 50

Scale 1:2000

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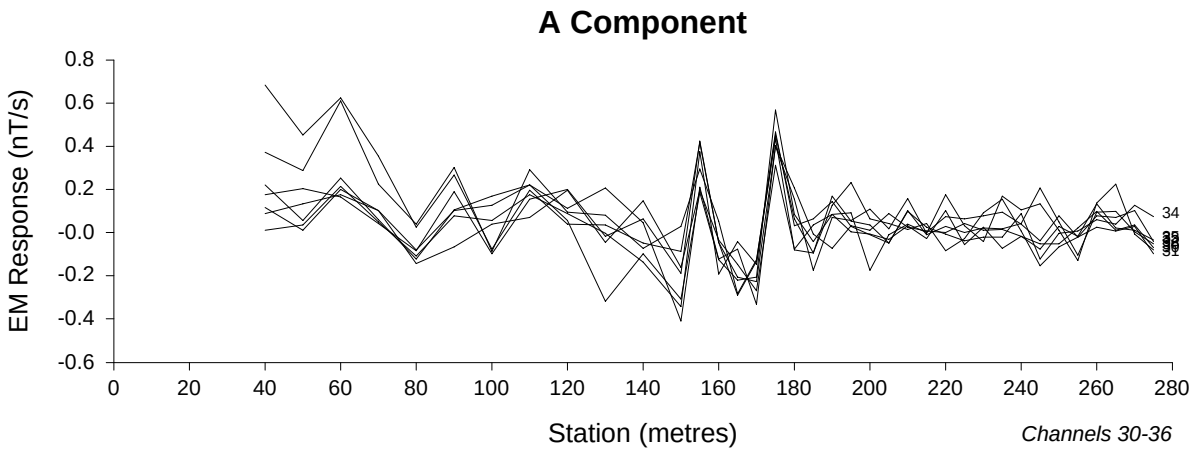
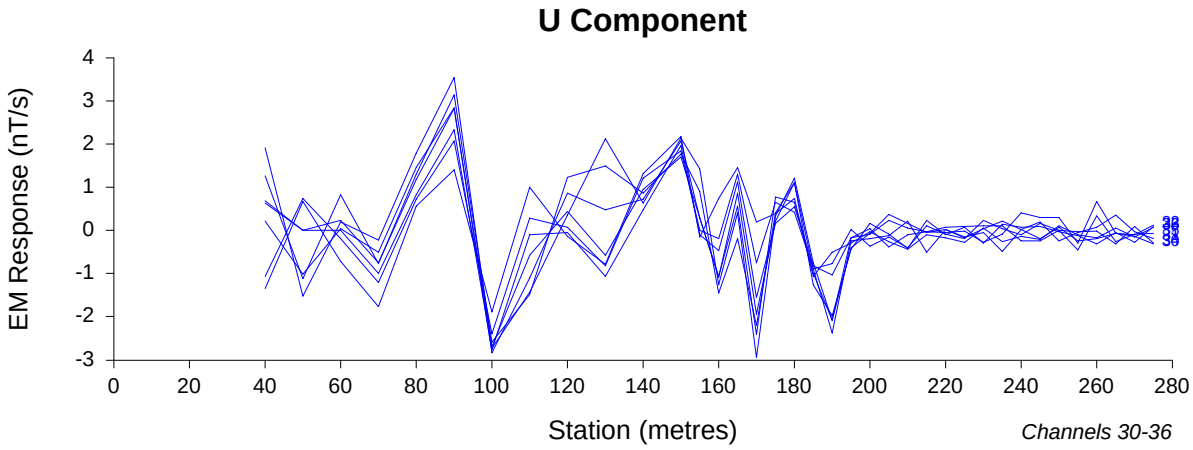
Wilson River Project - Tasmania

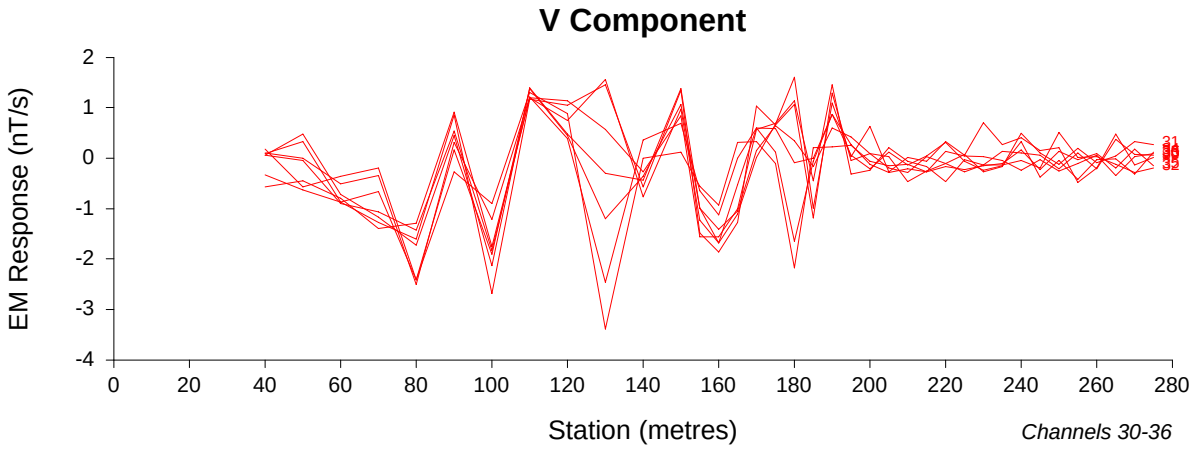
DHTEM Data Profiles

Hole WRD16

Drawn: RNM	Date: Nov 2008
Scale:	Figure:







SURVEY PARAMETERS

Contractor : Outer Rim
Date : 7/11/2008
Survey Type : Downhole
Stn Spacing : 5-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : A,U,V
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : WR2
Tx Area : 58750m^2
Tx Turns : 1
Tx Current : 25A
Ramp : 1 ms

HOLE COORDS

MGA East : 368695mE
MGA North : 5401900mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	: 1.008	19	: 2.610
2	: 1.020	20	: 2.956
3	: 1.034	21	: 3.372
4	: 1.050	22	: 3.876
5	: 1.070	23	: 4.484
6	: 1.094	24	: 5.218
7	: 1.124	25	: 6.104
8	: 1.160	26	: 7.176
9	: 1.202	27	: 8.470
10	: 1.254	28	: 10.03
11	: 1.318	29	: 11.92
12	: 1.394	30	: 14.16
13	: 1.486	31	: 16.92
14	: 1.596	32	: 20.29
15	: 1.730	33	: 24.31
16	: 1.892	34	: 29.17
17	: 2.088	35	: 35.04
18	: 2.324	36	: 42.12

0 25 50

Scale 1:2000

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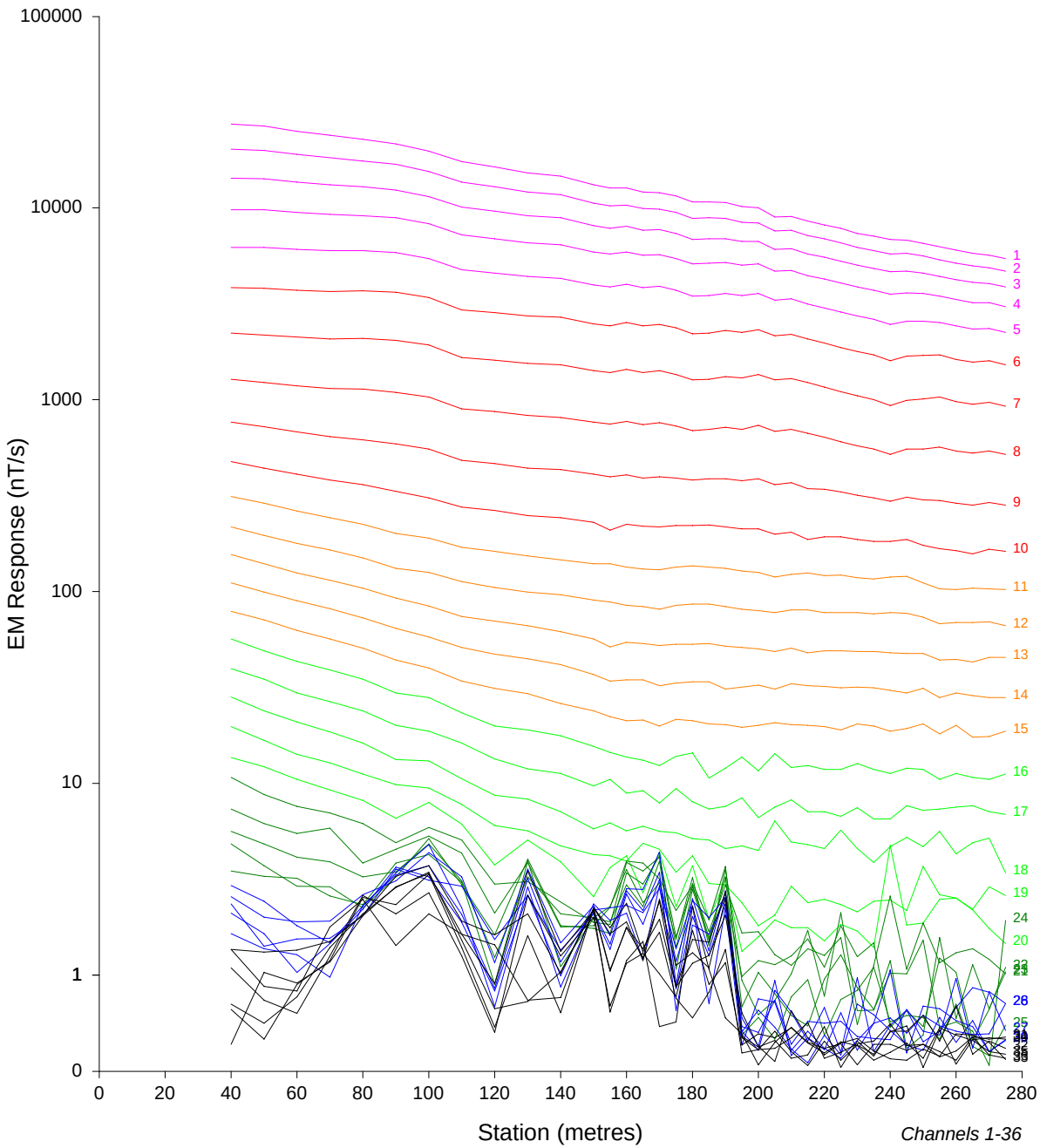
Wilson River Project - Tasmania

DHTEM Data Profiles

Hole WRD16

Drawn: RNM	Date: Nov 2008
Scale:	Figure:



SURVEY PARAMETERS

Contractor : Outer Rim
Date : 7/11/2008
Survey Type : Downhole
Stn Spacing : 5-10 m

RECEIVER

Receiver : Crone
Frequency : 5Hz
Component : Z
Rx Coil : Crone
Rx Area : 8000Z, 2800m^2 XY

TRANSMITTER

Transmitter : Crone
Loop : WR2
Tx Area : 58750m^2
Tx Turns : 1
Tx Current : 25A
Ramp : 1 ms

HOLE COORDS

MGA East : 368695mE
MGA North : 5401900mN
RL : 0RL

WINDOW TIMES (ms)
From the start of the Ramp

1	: 1.008	19	: 2.610
2	: 1.020	20	: 2.956
3	: 1.034	21	: 3.372
4	: 1.050	22	: 3.876
5	: 1.070	23	: 4.484
6	: 1.094	24	: 5.218
7	: 1.124	25	: 6.104
8	: 1.160	26	: 7.176
9	: 1.202	27	: 8.470
10	: 1.254	28	: 10.03
11	: 1.318	29	: 11.92
12	: 1.394	30	: 14.16
13	: 1.486	31	: 16.92
14	: 1.596	32	: 20.29
15	: 1.730	33	: 24.31
16	: 1.892	34	: 29.17
17	: 2.088	35	: 35.04
18	: 2.324	36	: 42.12

0 25 50

Scale 1:2000

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Wilson River Project - Tasmania

DHTEM Data Profiles

Hole WRD16

Drawn: RNM	Date: Nov 2008
Scale:	Figure: