



West 45 Extension Drilling Continues to Deliver

Highlights:

- Red River has received results from extension drilling at West 45 confirming the potential to increase the West 45 resource
- Seven holes (TH737, TH739, TH741, TH743, TH746, TH748 and TH750) intersected high grade zinc rich mineralisation
- Results from the extension drilling are currently being modelled and incorporated into an updated West 45 mine schedule
- TH738 intersected previously unrecognised high grade gold and silver mineralisation which is associated with quartz veining which appears to post-date the West 45 base metal mineralisation
 - TH738 intersected 7.50m @ 5.7 g/t Au and 596 g/t Ag from 45.0m down hole, including 1.0m @ 31.5 g/t Au and 2,970 g/t Ag from 51.50m downhole (weighted average assays)
- All historic holes within the vicinity of TH738 are being relogged to assess the potential for a previously unrecognised precious metal rich vein system and will be submitted for assay if required

Red River Resources Limited (ASX: RVR) ("Red River" or the "Company") is pleased to announce assay results from the latest round of drilling at the West 45 zinc mine, part of its Thalanga Zinc Project in Queensland.

The extension drilling program confirmed the potential for a material extension to the west and upper western zone of mineralisation at West 45. The results received to date indicate the potential to significantly increase the tonnes planned to be produced from the 956, 936 and 916 Levels (West).

The results from the extension drilling are currently being modelled and incorporated in an updated West 45 mine schedule. Red River is also modelling the economic viability of driving a new level (976 West) above the 956 Level.

TH738 intersected high grade gold and silver mineralisation contained in a quartz rich vein system that appears to post-date the base metal mineralisation in West 45. Check assays were carried out on the TH738 core and confirmed the presence of high grade gold and silver mineralisation.

- **TH738 intersected 7.50m @ 5.7 g/t Au and 596 g/t Ag from 45.0m down hole, including 1.0m @ 31.5 g/t Au and 2,970 g/t Ag from 51.50m downhole (weighted average assays)**

All historic drill holes near TH738 are being relogged and will be submitted for assay if required to better understand the continuity and grade of the veining. The mineralisation identified to date is not visually obvious (no visible gold and weak to negligible base metal mineralisation) and as such may not have been recognised in the historical drilling (which was targeting the West 45 massive sulphide mineralisation).

1. West 45 Extension Drilling – Base Metal Mineralisation

Red River has received assay results for drill holes TH729, TH733, TH737 and TH739 to TH751 from its ongoing West 45 Extension drilling program and material intercepts are listed in Table 1. Assay results are expected shortly for TH753, TH754 and TH756 (Table 2), which have been submitted for assay. Significant results received include:

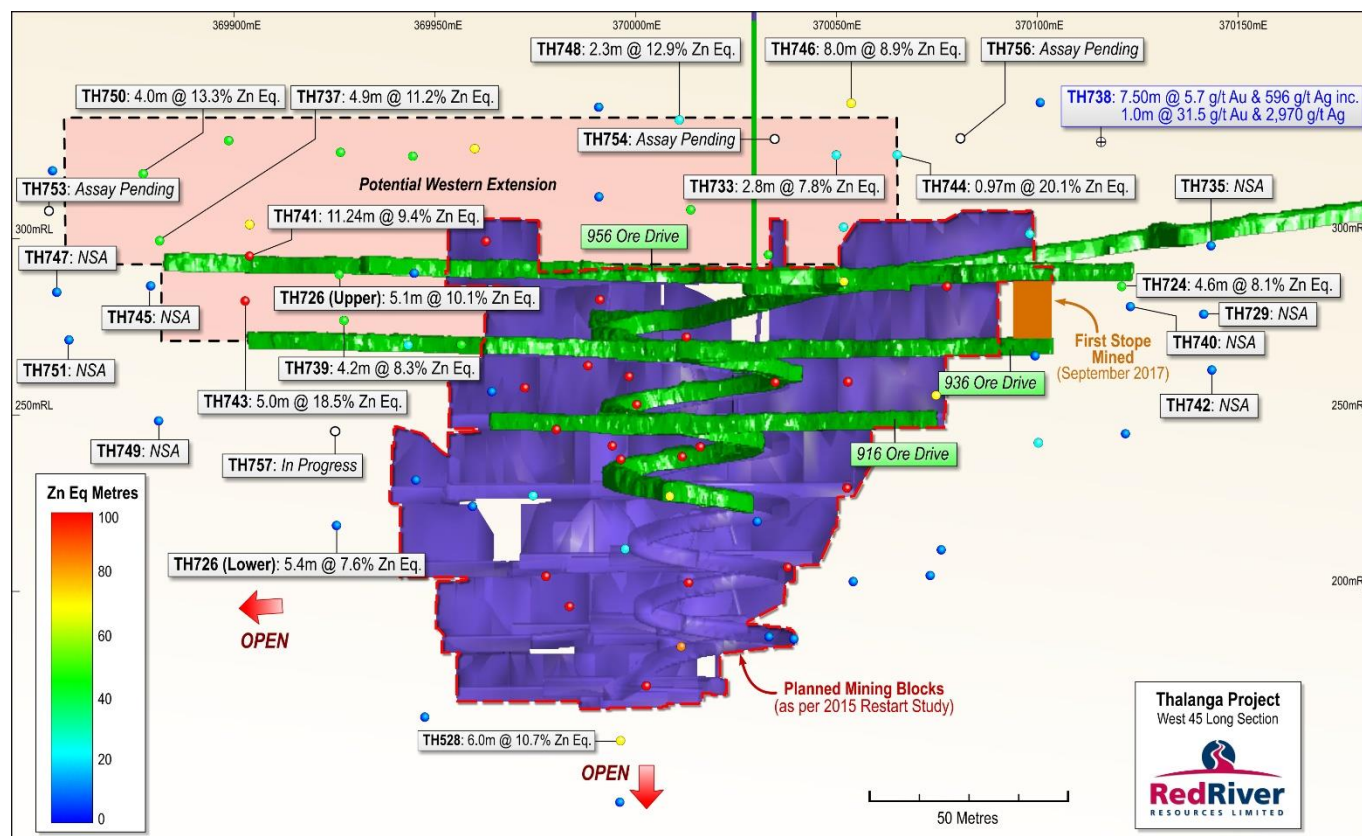
- TH737 intersected **4.9m @ 11.2% Zn Eq. (0.7% Cu, 2.2% Pb, 6.0% Zn, 0.3 g/t Au and 32 g/t Ag)** from 66.6m down hole
- TH739 intersected **4.2m @ 8.3% Zn Eq. (0.2% Cu, 2.6% Pb, 4.3% Zn, 0.2 g/t Au and 37 g/t Ag)** from 87.2m down hole
- TH741 intersected **11.24m @ 9.4% Zn Eq. (0.6% Cu, 1.3% Pb, 5.7% Zn, 0.3 g/t Au and 19 g/t Ag)** from 68.5m down hole
- TH743 intersected **5.0m @ 18.5% Zn Eq. (0.8% Cu, 5.3% Pb, 9.5% Zn, 0.2 g/t Au and 67 g/t Ag)** from 82.0m down hole
- TH746 intersected **8.0m @ 8.9% Zn Eq. (0.3% Cu, 1.2% Pb, 2.6% Zn, 0.8 g/t Au and 155 g/t Ag)** from 35.0m down hole
- TH748 intersected **2.3m @ 12.9% Zn Eq. (0.2% Cu, 2.0% Pb, 3.4% Zn, 0.5 g/t Au and 274 g/t Ag)** from 38.7m downhole; and
- TH750 intersected **4.0m @ 13.3% Zn Eq. (0.8% Cu, 2.7% Pb, 7.4% Zn, 0.1 g/t Au and 32 g/t Ag)** from 51.0m downhole

Table 1 Drill hole base metal assay summary, Thalanga Zinc Project (West 45 Extension)

Hole ID	From (m)	To (m)	Intersection (m) ⁽¹⁾	Cu (%)	Pb (%)	Zn (%)	Au (g/t)	Ag (g/t)	Zn Eq. (%)
TH729				No material intercept					
TH733	63.80	66.60	2.80	0.1%	3.0%	3.9%	0.2 g/t	33 g/t	7.8%
TH735				No material intercept					
TH737	66.00	70.90	4.90	0.7%	2.2%	6.0%	0.3 g/t	32 g/t	11.2%
TH739	87.20	91.40	4.20	0.2%	2.6%	4.3%	0.2 g/t	37 g/t	8.3%
TH740				No material intercept					
TH741	68.50	79.74	11.24	0.6%	1.3%	5.7%	0.3 g/t	19 g/t	9.4%
TH742				No material intercept					
TH743	82.00	87.00	5.00	0.8%	5.3%	9.5%	0.2g/t	67 g/t	18.5%
TH744	52.53	53.50	0.97	0.3%	5.4%	9.4%	0.5 g/t	192 g/t	20.1%
TH745				No material intercept					
TH746	35.00	43.00	8.00	0.3%	1.2%	2.6%	0.8 g/t	155 g/t	8.9%
TH747				No material intercept					
TH748	38.70	41.00	2.30	0.2%	2.0%	3.4%	0.5 g/t	274 g/t	12.9%
TH749				No material intercept					
TH750	51.00	55.00	4.00	0.8%	2.7%	7.4%	0.1 g/t	32 g/t	13.3%
TH751				No material intercept					

(1) Downhole width

Figure 1 West 45 Long Section



The results from the extension drilling program are currently being modelled, and when completed, the West 45 mining schedule will be updated. The results received to date indicate the potential to significantly increase the tonnes planned to be produced from the 956, 936 and 916 Levels (West). Red River is also modelling the economic viability of driving a new level (976 West) above the 956 Level.

2. West 45 Extension Drilling – TH738 Precious Metal Mineralisation

Red River geologists recognised a quartz vein system in TH738, which based on the geological relationships in the drill hole post dates the base metal rich VHMS mineralisation at West 45. This core was cut in half and half of the core was submitted for assay (as per Red River's usual sampling methodology) and half retained at Thalanga. The assays received indicated the presence of high grade gold and silver mineralisation. On receipt of these assays, selected intervals of the remaining half of the TH738 core at Thalanga was cut and a quarter of this core was submitted for check assays due to the high grade nature of the mineralisation. The check assays confirm the presence of high grade gold and silver mineralisation.

- **TH738 intersected 7.50m @ 5.7 g/t Au and 596 g/t Ag from 45.0m down hole, including 1.0m @ 31.5 g/t Au and 2,970 g/t Ag from 51.50m downhole** (applying weighting factors to the assays received, to account for the half core and quarter core samples)
- **TH738 is located approximately 80m from the West 45 decline (refer to Figure 1)**

This is the first occurrence of high grade gold silver mineralisation at West 45. The TH738 core (Figure 2 and Figure 3) has been examined and no visible gold has yet been found. It is believed that this mineralisation may be present in historic holes drilled at West 45, but was not submitted for assay, as all previous drilling at West 45 was designed to target a different style of mineralisation (massive sulphide mineralisation) and veining identified in TH738 is not associated with the known massive sulphide mineralisation at West 45.

Table 2 TH738 Precious metal assay summary, Thalanga Zinc Project (West 45 Extension)

Hole ID	From (m)	To (m)	Intersection (m) ⁽¹⁾	Au (g/t)	Ag (g/t)	Au (g/t) ⁽²⁾	Ag (g/t) ⁽²⁾
TH738	41.00	42.00	1.00	bdl	bdl	na	na
TH738	42.00	43.00	1.00	bdl	2	na	na
TH738	43.00	44.00	1.00	bdl	bdl	na	na
TH738	44.00	45.00	1.00	bdl	3	na	na
TH738	45.00	46.00	1.00	6.6	488	na	na
TH738	46.00	47.00	1.00	0.0	1	na	na
TH738	47.00	48.00	1.00	0.0	4	na	na
TH738	48.00	49.00	1.00	0.5	190	0.5	133
TH738	49.00	49.60	0.60	3.1	496	0.1	31
TH738	49.60	51.00	1.40	1.5	415	2.3	477
TH738	51.00	51.50	0.50	0.2	54	0.0	20
TH738	51.50	52.50	1.00	46.4	4,312	1.9	286
TH738	52.50	54.00	1.50	0.3	52	0.2	42
TH738	54.0	56.65	0.65	na	na	0.2	57
⁽¹⁾ Downhole width ⁽²⁾ Check assay result on quarter core bdl – below detection limit, na – not assayed							

The historic drill holes in the vicinity of TH738 have been removed from the Thalanga core shed and are in the processing of being relogged to seek to identify the presence of the gold-silver rich vein system in adjoining holes, and the core will be submitted for assay.

Figure 2 TH738 44m – 50m



Figure 3 TH738 50m – 54m



Table 3 Drill hole information summary, Thalanga Zinc Project (West 45 Extension)

Hole ID	Depth (m)	Dip	Azi (MGA)	East (MGA)	North (MGA)	RL (MGA)	Lease ID	Hole Status
TH729	113	-62	027	370116	7751171	365	ML1531	Completed
TH733	97.7	-54	027	370036	7751240	368	ML1531	Completed
TH735	120	-62	027	370116	7751171	365	ML1531	Completed
TH737	95.1	-62	027	369859	7751314	357	ML1531	Completed
TH738	83.5	-55	07.6	370103	7751193	367	ML1531	Completed
TH739	113.3	-71	024.8	369905	7751292	360	ML1531	Completed
TH740	110.5	-67	029.6	370103	7751193	367	ML1531	Completed
TH741	110.5	-64.6	024.3	369883	7751303	359	ML1531	Completed
TH742	120	-61	030	370116	7751171	365	ML1531	Completed
TH743	132	-69	022	369883	7751303	359	ML1531	Completed
TH744	75	-54.6	063	370034	7751243	366	ML1531	Completed
TH745	155	-65	024.7	369859	7751314	357	ML1531	Completed
TH746	56.4	-50	026	370036	7751235	365	ML1531	Completed
TH747	118	-55.2	024	369829	7751304	350	ML1531	Completed
TH748	56.4	-53	023.4	369998	7751264	366	ML1531	Completed
TH749	182	-55	026	369836	7751263	357	ML1531	Completed
TH750	73	-51	22.8	369858	7751314	356	ML1531	Completed
TH751	128	-56.8	027.7	369821	7751287	356	ML1531	Completed
TH753	100	-50	023	369831	7751315	350	ML1531	Submitted for assay
TH754	65	-48	027.9	370016	7751244	366	ML1531	Submitted for assay
TH756	69	-48	016.9	370064	7751210	367	ML1531	Submitted for assay
TH757	95	-50	023.5	369879	7751238	357	ML1531	In progress

On behalf of the Board,

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COMPETENT PERSON STATEMENT

Exploration Results

The information in this report that relates to Exploration Results is based on information compiled by Mr Alex Nichol who is a member of the Australasian Institute of Geoscientists, and a full time employee of Red River Resources Ltd., and who has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activities being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). Mr Nichol consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

Zinc Equivalent Calculation

The net smelter return zinc equivalent (Zn Eq.) calculation adjusts individual grades for all metals included in the metal equivalent calculation applying the following modifying factors: metallurgical recoveries, payability factors (concentrate treatment charges, refining charges, metal payment terms, net smelter return royalties and logistic costs) and metal prices in generating a zinc equivalent value for copper (Cu), lead (Pb), zinc (Zn), gold (Au) and silver (Ag).

Red River has selected to report on a zinc equivalent basis, as zinc is the metal that contributes the most to the net smelter return zinc equivalent (Zn Eq.) calculation. It is the view of Red River Resources that all the metals used in the Zn Eq. formula are expected to be recovered and sold.

Where:

Metallurgical Recoveries are derived from historical metallurgical recoveries from test work carried out the West 45 deposit. The Metallurgical Recovery for each metal is shown below in Table 1.

Metal Prices and Foreign Exchange assumptions are set as per internal Red River price forecasts and are shown below in Table 1.

Table 1 Metallurgical Recoveries and Metal Prices

Metal	Metallurgical Recoveries	Price
Copper	80%	US\$3.00/lb
Lead	70%	US\$0.90/lb
Zinc	88%	US\$1.00/lb
Gold	15%	US\$1,200/oz
Silver	65%	US\$17.00/oz
FX Rate: A\$0.85:US\$1		

Payable Metal Factors are calculated for each metal and make allowance for concentrate treatment charges, transport losses, refining charges, metal payment terms and logistic costs. It is the view of Red River that three separate saleable base metal concentrates will be produced at Thalanga. Payable metal factors are detailed below in Table 2.

Table 2 Payable Metal Factors

Metal	Payable Metal Factor
Copper	Copper concentrate treatment charges, copper metal refining charges copper metal payment terms (in copper concentrate), logistic costs and net smelter return royalties
Lead	Lead concentrate treatment charges, lead metal payment terms (in lead concentrate), logistic costs and net smelter return royalties
Zinc	Zinc concentrate treatment charges, zinc metal payment terms (in zinc concentrate), logistic costs and net smelter return royalties
Gold	Gold metal payment terms (in copper and lead concentrates), gold refining charges and net smelter return royalties
Silver	Silver metal payment terms (in copper, lead and zinc concentrates), silver refining charges and net smelter return royalties

The zinc equivalent grade is calculated as per the following formula:

$$\text{Zn Eq.} = (\text{Zn\%} \times 1.0) + (\text{Cu\%} \times 3.3) + (\text{Pb\%} \times 0.9) + (\text{Au ppm} \times 0.5) + (\text{Ag ppm} \times 0.025)$$

The following metal equivalent factors used in the zinc equivalent grade calculation has been derived from metal price x Metallurgical Recovery x Payable Metal Factor, and have then been adjusted relative to zinc (where zinc metal equivalent factor = 1).

Table 3 Metal Equivalent Factors

Metal	Copper	Lead	Zinc	Gold	Silver
Metal Equivalent Factor	3.3	0.9	1.0	0.5	0.025

APPENDIX 1

ASSAY DETAILS

Hole ID	From (m)	To (m)	Int (m)	Cu%	Pb%	Zn%	Au g/t	Ag g/t	Zn Eq. %
TH729	84.80	85.80	1.00	0.0	0.1	0.2	0.0	5	0.6
TH729	85.80	86.40	0.60	0.2	0.0	0.1	0.0	4	1.0
TH729	86.40	87.90	1.50	0.0	0.0	0.0	0.0	2	0.1
TH729	87.90	89.40	1.50	0.0	0.0	0.1	0.0	4	0.2
TH729	89.40	90.90	1.50	0.0	0.0	0.1	0.0	6	0.3
TH729	90.90	92.40	1.50	0.0	0.0	0.0	0.0	3	0.2
TH729	92.40	93.90	1.50	0.0	0.0	0.0	0.0	2	0.2
TH729	93.90	95.40	1.50	0.0	0.0	0.1	0.0	2	0.3
TH729	95.40	96.90	1.50	0.1	0.0	0.1	0.0	4	0.4
TH729	96.90	98.40	1.50	0.1	0.0	0.0	0.0	5	0.4
TH729	98.40	99.90	1.50	0.2	0.0	0.0	0.1	7	0.9
TH729	99.90	101.40	1.50	0.0	0.0	0.0	0.0	2	0.1
TH729	101.40	102.90	1.50	0.0	0.0	0.2	0.0	1	0.3
TH733	59.80	60.80	1.00	0.0	0.0	0.0	0.0	1	0.0
TH733	60.80	61.80	1.00	0.0	0.0	0.1	0.0	5	0.3
TH733	61.80	62.80	1.00	0.0	0.4	0.6	0.4	54	2.7
TH733	62.80	63.80	1.00	0.0	0.0	0.2	0.1	7	0.5
TH733	63.80	64.80	1.00	0.1	4.2	5.4	0.3	42	10.8
TH733	64.80	65.60	0.80	0.1	2.5	3.6	0.2	34	7.0
TH733	65.60	66.60	1.00	0.1	2.1	2.7	0.1	25	5.6
TH733	79.00	80.00	1.00	0.0	0.1	0.2	0.0	2	0.4
TH733	80.00	81.00	1.00	0.1	1.2	1.7	0.1	22	3.8
TH733	81.00	82.00	1.00	0.1	0.9	1.8	0.1	22	3.5
TH733	82.00	83.00	1.00	0.0	0.1	0.2	0.0	3	0.3
TH733	83.00	84.00	1.00	0.0	0.0	0.1	0.0	2	0.1
TH733	84.00	85.00	1.00	0.0	0.0	0.1	0.0	1	0.1
TH735	74.00	75.40	1.40	0.0	0.1	0.3	0.0	2	0.6
TH735	75.40	76.00	0.60	0.1	0.1	1.0	0.0	9	1.6
TH735	76.00	77.00	1.00	0.0	0.0	0.2	0.0	4	0.4
TH735	77.00	78.55	1.55	0.3	0.1	0.4	0.1	19	2.0
TH735	78.55	79.00	0.45	0.0	0.0	0.0	0.0	2	0.2
TH735	79.00	80.00	1.00	0.0	0.1	0.1	0.0	8	0.5
TH735	80.00	81.00	1.00	0.0	0.0	0.1	0.0	3	0.3
TH735	81.00	82.00	1.00	0.0	0.0	0.5	0.0	3	0.7
TH735	82.00	83.00	1.00	0.0	0.0	0.0	0.0	1	0.1
TH735	107.00	108.00	1.00	0.0	0.0	0.2	0.0	2	0.4
TH735	108.00	109.00	1.00	0.0	0.0	0.3	0.0	1	0.4
TH735	109.00	110.00	1.00	0.0	0.0	0.3	0.0	1	0.4
TH735	110.00	110.50	0.50	0.1	0.0	1.2	0.0	2	1.6
TH735	110.50	111.30	0.80	0.2	0.0	1.4	0.0	3	2.1
TH735	111.30	112.00	0.70	0.0	0.0	0.3	0.0	1	0.4
TH735	112.00	113.00	1.00	0.0	0.0	1.1	0.0	1	1.2
TH735	113.00	114.50	1.50	0.0	0.0	0.6	0.0	0	0.7
TH735	114.50	116.00	1.50	0.0	0.0	0.6	0.0	1	0.6
*bdl – below detection limit									

Hole ID	From (m)	To (m)	Int (m)	Cu%	Pb%	Zn%	Au g/t	Ag g/t	Zn Eq.%
TH737	63.00	64.00	1.00	0.0	0.2	0.1	0.0	2	0.3
TH737	64.00	65.00	1.00	0.0	0.2	0.1	0.0	2	0.4
TH737	65.00	66.00	1.00	0.0	0.2	0.1	0.0	4	1.2
TH737	66.00	67.00	1.00	0.0	0.2	0.1	0.4	15	5.6
TH737	67.00	68.00	1.00	0.0	0.2	0.1	0.3	37	11.6
TH737	68.00	69.00	1.00	0.0	0.2	0.1	0.4	51	16.7
TH737	69.00	70.00	1.00	0.0	0.2	0.1	0.1	19	6.9
TH737	70.00	70.40	0.40	0.0	0.2	0.1	0.4	63	27.0
TH737	70.40	70.90	0.50	0.0	0.2	0.1	0.1	21	5.8
TH737	70.90	72.00	1.10	0.0	0.2	0.1	0.0	1	0.5
TH737	72.00	73.00	1.00	0.0	0.2	0.1	0.0	0	0.1
TH738	48.00	49.00	1.00	0.0	0.4	0.1	0.5	190	nm
TH738	49.00	49.60	0.60	0.0	0.1	0.0	3.1	496	nm
TH738	49.60	51.00	1.40	0.0	0.3	0.7	1.5	415	nm
TH738	51.00	51.50	0.50	0.1	0.2	0.3	0.2	54	nm
TH738	51.50	52.50	1.00	0.2	0.2	0.4	46.4	4312	nm
TH738	52.50	54.00	1.50	0.0	0.0	0.1	0.3	52	1.6
TH738	65.10	66.00	0.90	0.0	0.1	0.5	0.1	34	1.4
TH738	66.00	67.50	1.50	0.0	0.0	0.3	0.3	44	1.5
TH738	67.50	69.00	1.50	0.0	0.0	0.1	0.1	17	0.6
TH738	69.00	70.50	1.50	0.0	0.0	0.1	0.0	12	0.5
TH738	70.50	71.40	0.90	0.0	0.0	0.1	0.1	22	0.7
TH738	71.40	72.00	0.60	0.0	0.0	0.1	0.3	39	1.2
TH738	72.00	73.00	1.00	0.0	0.0	0.3	0.4	76	2.4
TH738	73.00	74.16	1.16	0.0	0.0	0.2	0.1	31	1.1
TH738	74.16	75.00	0.84	0.0	0.0	0.1	0.0	8	0.4
TH738	75.00	75.50	0.50	0.0	0.0	0.1	0.0	9	0.3
TH738	75.50	76.50	1.00	0.0	0.0	0.0	0.0	6	0.2
TH738 repeat	48.00	49.00	1.00	0.0	0.1	0.1	0.5	133	nm
TH738 repeat	49.00	49.60	0.60	0.0	0.0	0.1	0.1	31	nm
TH738 repeat	49.60	51.00	1.40	0.1	0.2	0.8	2.3	477	nm
TH738 repeat	51.00	51.50	0.50	0.0	0.0	0.1	0.0	20	nm
TH738 repeat	51.50	52.50	1.00	0.1	0.1	0.3	1.9	286	nm
TH738 repeat	52.50	54.00	1.50	0.0	0.0	0.1	0.2	42	nm
TH738 repeat	54.00	54.65	0.65	0.0	0.0	0.3	0.2	57	nm
<i>nm – Zinc equivalent not calculated for precious metal dominant mineralisation</i>									

Hole ID	From (m)	To (m)	Int (m)	Cu%	Pb%	Zn%	Au g/t	Ag g/t	Zn Eq.%
TH739	74.00	74.92	0.92	0.0	0.0	0.0	0.0	0	0.0
TH739	74.92	76.00	1.08	0.0	0.0	0.0	0.0	0	0.0
TH739	76.00	76.79	0.79	0.0	0.0	0.0	0.0	0	0.0
TH739	76.79	78.42	1.63	0.0	0.0	0.0	0.0	0	0.1
TH739	78.42	80.00	1.58	0.0	0.1	0.0	0.0	2	0.2
TH739	80.00	80.75	0.75	0.0	0.1	0.0	0.1	6	0.4
TH739	80.75	81.80	1.05	0.0	0.0	0.0	0.0	0	0.1
TH739	81.80	83.30	1.50	0.0	0.0	0.0	0.0	0	0.1
TH739	83.30	84.20	0.90	0.0	0.0	0.0	0.0	1	0.1
TH739	84.20	85.20	1.00	0.0	0.0	0.0	0.0	1	0.1
TH739	85.20	86.10	0.90	0.0	0.0	0.0	0.0	1	0.1
TH739	86.10	87.20	1.10	0.0	0.6	0.5	0.0	9	1.4
TH739	87.20	88.73	1.53	0.2	2.9	5.3	0.3	45	9.8
TH739	88.73	90.20	1.47	0.2	2.3	3.9	0.2	30	7.5
TH739	90.20	91.40	1.20	0.2	2.5	3.5	0.3	36	7.4
TH739	91.40	92.90	1.50	0.1	1.6	1.6	0.2	19	3.9
TH739	92.90	94.40	1.50	0.1	0.7	1.0	0.2	12	2.3
TH739	94.40	95.40	1.00	0.0	0.2	0.2	0.0	8	0.8
TH739	95.40	96.90	1.50	0.0	0.1	0.1	0.0	4	0.5
TH739	96.90	98.00	1.10	0.0	0.3	0.4	0.1	8	1.0
TH739	98.00	99.00	1.00	0.1	0.6	0.8	0.1	14	2.0
TH739	99.00	99.84	0.84	0.2	0.4	0.3	0.1	14	1.8
TH740	85.00	86.00	1.00	0.0	0.0	0.0	0.0	0	0.0
TH740	86.00	87.50	1.50	0.0	0.0	0.0	0.0	0	0.0
TH740	87.50	89.20	1.70	0.0	0.0	0.0	0.0	0	0.0
TH740	89.20	90.70	1.50	0.0	0.1	0.0	0.0	1	0.2
TH740	90.70	91.70	1.00	0.1	0.2	0.7	0.0	5	1.3
TH740	92.50	92.55	0.05	0.0	0.0	0.0	0.0	1	0.1
TH740	92.55	93.00	0.45	0.0	0.0	0.0	0.0	0	0.0
TH740	93.00	94.00	1.00	0.0	0.0	0.0	0.0	0	0.1
TH740	94.00	95.43	1.43	0.0	0.0	0.0	0.0	0	0.1

Hole ID	From (m)	To (m)	In (m)	Cu%	Pb%	Zn%	Au g/t	Ag g/t	Zn Eq.%
TH741	65.50	67.00	1.50	0.0	0.2	0.1	0.0	4	0.5
TH741	67.00	67.30	0.30	0.0	0.2	0.1	0.0	3	0.5
TH741	67.30	68.50	1.20	0.1	0.3	0.3	0.1	4	0.9
TH741	68.50	69.00	0.50	1.6	4.5	6.6	1.8	48	17.9
TH741	69.00	70.50	1.50	0.1	0.4	0.4	0.0	6	1.2
TH741	70.50	71.20	0.70	0.2	2.0	3.4	0.2	15	6.2
TH741	71.20	72.70	1.50	0.2	1.9	3.5	0.2	17	6.4
TH741	72.70	73.70	1.00	0.1	1.0	0.9	0.1	8	2.3
TH741	73.70	75.00	1.30	1.3	0.6	6.3	0.5	19	11.9
TH741	75.00	75.40	0.40	0.1	0.2	5.1	0.0	5	5.7
TH741	75.40	76.30	0.90	0.7	0.7	24.4	0.2	27	28.1
TH741	76.30	77.80	1.50	0.3	0.6	1.9	0.1	12	3.7
TH741	77.80	78.40	0.60	0.6	0.7	1.6	0.2	14	4.7
TH741	78.40	79.00	0.60	1.6	2.5	11.2	0.2	39	19.6
TH741	79.00	79.74	0.74	1.4	3.3	11.7	0.3	45	20.6
TH741	79.74	81.20	1.46	0.1	0.2	0.6	0.0	3	1.2
TH741	81.20	82.70	1.50	0.0	0.0	0.0	0.0	1	0.1
TH741	82.70	84.20	1.50	0.0	0.0	0.0	0.0	0	0.1
TH741	84.20	85.95	1.75	0.2	1.2	1.5	0.4	30	4.2
TH741	85.95	87.50	1.55	0.0	0.1	0.2	0.0	2	0.4
TH741	87.50	89.00	1.50	0.0	0.0	0.0	0.0	0	0.0
TH741	89.00	90.55	1.55	0.0	0.0	0.0	0.0	0	0.0
TH742	74.00	75.00	1.00	0.0	0.0	0.0	0.0	0	0.1
TH742	75.00	75.60	0.60	0.0	0.2	1.3	0.0	5	1.8
TH742	75.60	77.00	1.40	0.1	0.3	1.0	0.0	9	1.8
TH742	77.00	78.50	1.50	0.0	0.1	0.5	0.0	4	0.8
TH742	78.50	80.00	1.50	0.0	0.0	0.1	0.1	2	0.3
TH742	80.00	81.50	1.50	0.0	0.0	0.0	0.0	1	0.1
TH742	81.50	83.00	1.50	0.0	0.0	0.0	0.0	2	0.2
TH742	83.00	84.50	1.50	0.1	0.0	0.0	0.0	6	0.7
TH742	84.50	86.00	1.50	0.1	0.0	0.0	0.0	4	0.4
TH742	86.00	87.50	1.50	0.0	0.0	0.0	0.0	2	0.2
TH742	87.50	89.00	1.50	0.1	0.0	0.0	0.0	3	0.3
TH742	89.00	90.50	1.50	0.0	0.0	0.0	0.0	4	0.3
TH742	90.50	92.00	1.50	0.0	0.0	0.1	0.0	1	0.2
TH742	92.00	93.00	1.00	0.1	0.0	0.2	0.0	2	0.4
TH742	119.00	120.00	1.00	0.0	0.0	0.2	0.0	0	0.2
TH742	120.00	121.00	1.00	0.0	0.0	0.1	0.0	0	0.2
TH742	121.00	122.00	1.00	0.0	0.1	0.2	0.0	1	0.3
TH742	122.00	123.30	1.30	0.0	0.5	0.9	0.0	2	1.5
TH742	123.30	123.90	0.60	0.0	0.0	0.0	0.0	0	0.1
TH742	90.50	92.00	1.50	0.0	0.0	0.1	0.0	1	0.2
TH742	92.00	93.00	1.00	0.1	0.0	0.2	0.0	2	0.4

Hole ID	From (m)	To (m)	In (m)	Cu%	Pb%	Zn%	Au g/t	Ag g/t	Zn Eq.%
TH743	60.52	61.00	0.48	0.0	0.0	0.1	0.0	0	0.1
TH743	61.00	62.00	1.00	0.0	0.0	0.1	0.0	0	0.1
TH743	62.00	63.00	1.00	0.0	0.0	0.1	0.0	0	0.1
TH743	63.00	63.50	0.50	0.0	0.3	0.1	0.0	3	0.6
TH743	63.50	63.83	0.33	2.0	9.5	7.1	1.7	104	25.6
TH743	63.83	65.00	1.17	0.0	0.2	0.1	0.0	3	0.5
TH743	65.00	66.00	1.00	0.2	1.8	1.2	0.1	14	3.8
TH743	66.00	67.00	1.00	0.0	0.0	0.1	0.0	1	0.1
TH743	79.00	80.00	1.00	0.0	0.0	0.0	0.0	1	0.1
TH743	80.00	80.90	0.90	0.0	0.1	0.0	0.0	1	0.3
TH743	80.90	81.40	0.50	0.0	0.2	0.3	0.0	3	0.7
TH743	81.40	82.00	0.60	0.1	0.3	0.8	0.0	4	1.4
TH743	82.00	83.00	1.00	0.4	15.9	21.4	0.4	170	41.5
TH743	83.00	84.00	1.00	0.3	0.3	0.8	0.1	7	2.2
TH743	84.00	85.30	1.30	1.0	1.7	3.8	0.2	30	9.3
TH743	85.30	86.55	1.25	1.4	5.6	14.5	0.3	86	26.5
TH743	86.55	87.00	0.45	0.2	2.0	5.0	0.1	21	8.1
TH743	87.00	88.00	1.00	0.0	0.5	0.8	0.0	5	1.5
TH743	88.00	89.00	1.00	0.0	0.0	0.0	0.0	0	0.1
TH743	89.00	90.00	1.00	0.0	0.0	0.0	0.0	0	0.0
TH744	49.00	50.50	1.50	0.0	0.0	0.0	0.0	1	0.0
TH744	50.50	51.50	1.00	0.0	0.0	0.0	0.0	0	0.0
TH744	51.50	52.20	0.70	0.0	0.0	0.0	0.0	1	0.0
TH744	52.20	52.53	0.33	0.0	0.0	0.0	0.0	2	0.1
TH744	52.53	53.12	0.59	0.4	7.7	13.6	0.5	235	27.9
TH744	53.12	53.50	0.38	0.1	1.9	2.8	0.4	124	8.1
TH744	53.50	55.00	1.50	0.0	0.1	0.2	0.0	9	0.6
TH744	55.00	56.50	1.50	0.0	0.1	0.3	0.0	11	0.7
TH744	56.50	58.00	1.50	0.0	0.0	0.2	0.0	8	0.5
TH745	125.00	126.00	1.00	0.0	0.1	0.0	0.0	1	0.1
TH745	126.00	127.00	1.00	0.0	0.1	0.0	0.0	2	0.2
TH745	127.00	128.00	1.00	0.0	0.0	0.0	0.0	0	0.1
TH745	128.00	129.00	1.00	0.0	0.0	0.0	0.0	0	0.1
TH745	129.00	130.00	1.00	0.0	0.0	0.0	0.0	1	0.1
TH745	130.00	131.00	1.00	0.0	0.0	0.0	0.0	2	0.1
TH745	131.00	132.00	1.00	0.0	0.0	0.0	0.0	0	0.0

Hole ID	From (m)	To (m)	Int (m)	Cu%	Pb%	Zn%	Au g/t	Ag g/t	Zn Eq.%
TH746	29.00	30.50	1.50	0.0	0.0	0.0	0.0	2	0.1
TH746	30.50	32.00	1.50	0.0	0.0	0.0	0.0	0	0.1
TH746	32.00	33.40	1.40	0.0	0.0	0.0	0.0	1	0.1
TH746	33.40	35.00	1.60	0.0	0.0	0.1	0.0	1	0.1
TH746	35.00	36.50	1.50	0.1	1.2	2.3	0.4	198	8.7
TH746	36.50	38.00	1.50	1.0	1.2	3.0	0.6	180	12.3
TH746	38.00	39.00	1.00	0.2	0.5	2.4	0.8	175	8.2
TH746	39.00	39.60	0.60	0.1	0.7	3.7	1.7	252	11.7
TH746	39.60	40.30	0.70	0.1	1.2	2.2	3.3	188	9.8
TH746	40.30	41.70	1.40	0.1	1.8	3.1	0.3	120	8.3
TH746	41.70	43.00	1.30	0.1	1.5	1.9	0.1	35	4.4
TH746	43.00	44.00	1.00	0.0	0.2	0.2	0.0	7	0.6
TH746	44.00	44.60	0.60	0.0	0.2	0.1	0.0	5	0.4
TH746	44.60	45.20	0.60	0.4	3.0	4.2	0.2	85	10.3
TH746	45.20	46.00	0.80	0.0	0.9	1.2	0.1	18	2.6
TH746	46.00	47.50	1.50	0.0	0.2	0.3	0.0	7	0.7
TH746	47.50	49.00	1.50	0.0	0.1	0.2	0.0	2	0.4
TH747	80.00	81.00	1.00	0.0	0.0	0.1	0.0	1	0.2
TH747	81.00	81.70	0.70	0.0	0.2	0.1	0.0	8	0.6
TH747	81.70	82.80	1.10	0.0	0.0	0.1	0.0	1	0.3
TH747	82.80	84.00	1.20	0.0	0.0	0.0	0.0	bdl	0.1
TH747	84.00	85.00	1.00	0.0	0.0	0.0	0.0	bdl	0.0
TH748	22.00	23.00	1.00	0.0	0.0	0.1	0.0	bdl	0.1
TH748	23.00	24.00	1.00	0.0	0.0	0.2	0.0	0.5	0.2
TH748	24.00	25.30	1.30	0.0	0.0	0.0	0.0	1.3	0.1
TH748	25.30	26.00	0.70	0.0	0.0	0.0	0.0	bdl	0.1
TH748	26.00	27.50	1.50	0.0	0.0	0.0	0.0	bdl	0.0
TH748	27.50	28.60	1.10	0.0	0.0	0.1	0.0	1.7	0.1
TH748	28.60	29.80	1.20	0.3	4.0	6.8	0.7	88.1	14.0
TH748	29.80	31.00	1.20	0.0	0.1	0.1	0.0	4.1	0.4
TH748	31.00	32.50	1.50	0.0	0.1	0.1	0.0	3.7	0.3
TH748	32.50	34.00	1.50	0.0	0.0	0.1	0.0	2.0	0.2
TH748	34.00	35.10	1.10	0.0	0.1	0.2	0.1	6.5	0.6
TH748	35.10	35.50	0.40	0.0	0.0	0.0	0.0	3.1	0.2
TH748	35.50	36.20	0.70	0.1	0.3	1.3	0.4	39.9	3.1
TH748	36.20	37.00	0.80	0.0	0.1	0.2	0.1	16.5	0.8
TH748	37.00	38.70	1.70	0.0	0.2	0.6	0.1	20.2	1.4
TH748	38.70	39.90	1.20	0.1	1.6	2.9	0.5	96.2	7.4
TH748	39.90	41.00	1.10	0.2	2.4	3.9	0.6	469.0	18.9
TH748	41.00	41.90	0.90	0.0	0.1	0.4	0.2	25.3	1.3
TH748	41.90	43.00	1.10	0.1	0.9	1.6	0.2	37.9	3.8
TH748	43.00	44.00	1.00	0.0	0.3	0.6	0.1	4.2	1.0
TH748	52.00	53.00	1.00	0.0	0.8	1.1	0.1	4.4	2.1
TH748	53.00	54.00	1.00	0.3	1.5	1.8	0.1	10.0	4.3
TH748	54.00	55.00	1.00	0.1	2.4	3.4	0.1	17.5	6.3
TH748	55.00	56.40	1.40	0.1	0.6	0.6	0.1	15.0	2.0
*bdl – below detection limit									

Hole ID	From (m)	To (m)	Int (m)	Cu%	Pb%	Zn%	Au g/t	Ag g/t	Zn Eq.%
TH749	127.00	127.80	0.80	0.0	0.0	0.1	bdl	bdl	0.1
TH749	127.80	129.00	1.20	0.0	0.0	0.0	bdl	bdl	0.1
TH749	129.00	130.00	1.00	0.0	0.0	0.0	bdl	bdl	0.0
TH749	130.00	131.00	1.00	0.0	0.0	0.0	bdl	bdl	0.0
TH749	131.00	132.00	1.00	0.0	0.0	0.0	bdl	bdl	0.1
TH749	132.00	133.00	1.00	0.0	0.0	0.0	bdl	bdl	0.0
TH749	133.00	134.00	1.00	0.0	0.0	0.0	bdl	bdl	0.0
TH750	47.00	48.00	1.00	0.1	0.5	0.7	0.1	24	2.1
TH750	48.00	49.00	1.00	0.1	0.4	0.6	0.1	14	1.6
TH750	49.00	50.00	1.00	0.0	0.1	0.2	0.0	2	0.4
TH750	50.00	51.00	1.00	0.0	0.1	0.1	bdl	1	0.3
TH750	51.00	52.00	1.00	0.8	1.2	4.1	0.2	19	8.5
TH750	52.00	53.00	1.00	1.3	5.2	12.5	0.2	56	23.0
TH750	53.00	53.90	0.90	1.0	4.6	13.8	0.2	57	22.8
TH750	53.90	55.00	1.10	0.1	0.1	0.4	0.0	2	0.9
TH750	55.00	56.00	1.00	0.0	0.1	0.1	bdl	1	0.3
TH750	56.00	56.00	0.00	0.0	0.0	0.1	0.0	1	0.2
TH750	56.00	58.00	2.00	0.0	0.0	0.1	0.0	3	0.2
TH750	58.00	59.50	1.50	0.0	0.0	0.1	bdl	3	0.2
TH750	59.50	61.00	1.50	0.0	0.0	0.0	bdl	2	0.1
TH751	14.00	15.00	1.00	0.0	0.0	0.0	bdl	bdl	0.1
TH751	14.00	15.00	1.00	0.0	0.0	0.1	bdl	1	0.1
TH751	15.00	16.00	1.00	0.0	0.0	0.1	0.0	1	0.1
TH751	16.00	17.00	1.00	0.0	0.0	0.1	bdl	1	0.2
TH751	17.00	19.00	2.00	0.0	0.0	0.1	0.0	1	0.2
TH751	19.00	20.00	1.00	0.0	0.0	0.1	bdl	1	0.1
TH751	20.00	22.00	2.00	0.0	0.0	0.1	bdl	bdl	0.1
TH751	101.00	102.00	1.00	0.1	1.2	0.1	0.0	4	1.5
TH751	102.00	103.00	1.00	0.0	0.5	0.1	0.1	7	0.9
TH751	103.00	104.00	1.00	0.0	0.1	0.1	0.0	1	0.2
TH751	104.00	105.00	1.00	0.0	0.0	0.1	bdl	bdl	0.1
TH751	105.00	105.50	0.50	0.0	0.0	0.0	0.0	bdl	0.1
*bdl – below detection limit									

JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information. 	<ul style="list-style-type: none"> Diamond drilling was used to obtain core samples Samples consist of half NQ2 drill core except where quarter core has been noted Sample intervals were selected by company geologists based on visual mineralisation Intervals ranged from 0.5 to 1.45m based on geological boundaries Samples were sawn if half using an onsite core saw and sent to Intertek Genalysis laboratories Townsville. Samples were crushed to sub 6mm, split and pulverised to sub 75µm in order to produce a representative sub-sample for analysis. Analysis consisted of a four acid digest and Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) for the following elements; Ag, As, Ba, Bi, Ca, Cu, Fe, K, Mg, Mn, Na, Pb, S, Sb, Ti, Zn, & Zr. A selection of samples was also assayed for Au using a 30g Fire Assay technique
Drilling techniques	<ul style="list-style-type: none"> Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc). 	<ul style="list-style-type: none"> Drilling techniques consist of; PCD drilling through the cover sequence HQ diamond core drilling for the first 30-50m of each hole NQ2 diamond core drilling for the remainder of the drill holes.
Drill sample recovery	<ul style="list-style-type: none"> Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples. Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material. 	<ul style="list-style-type: none"> Core is measured every meter with recovery and RQD taken over the meter interval Sample recovery is measured and recorded by company trained geology technicians and geologists Any issues with recovery is always checked against drillers run sheet. Good ground conditions have been encountered to date
Logging	<ul style="list-style-type: none"> Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining 	<ul style="list-style-type: none"> Holes are logged to a level of detail that will support mineral resource estimation. Qualitative logging includes lithology, alteration, structures and textures

Criteria	JORC Code explanation	Commentary
	<p><i>studies and metallurgical studies.</i></p> <ul style="list-style-type: none"> <i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i> <i>The total length and percentage of the relevant intersections logged.</i> 	<ul style="list-style-type: none"> Quantitative logging includes sulphide and gangue mineral percentages All drill core was photographed All drill holes have been logged in full
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> <i>If core, whether cut or sawn and whether quarter, half or all core taken.</i> <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i> <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i> <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i> <i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i> <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i> 	<ul style="list-style-type: none"> Core was sawn and half core sent for analysis Sample preparation is industry standard, occurring at an independent commercial laboratory Samples were crushed to sub 6mm, split and pulverised to sub 75µm in order to produce a representative sub-sample for analysis Laboratory certified standards were used in each sample batch The sample sizes are considered to be appropriate to correctly represent the mineralisation style
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i> <i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i> <i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i> 	<ul style="list-style-type: none"> The assay methods employed are considered appropriate for near total digestion Laboratory certified standards were used in each sample batch Certified standards returned results within an acceptable range
Verification of sampling and assaying	<ul style="list-style-type: none"> <i>The verification of significant intersections by either independent or alternative company personnel.</i> <i>The use of twinned holes.</i> <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i> <i>Discuss any adjustment to assay data.</i> 	<ul style="list-style-type: none"> Laboratory results are reviewed by Company geologists and laboratory technicians
Location of data points	<ul style="list-style-type: none"> <i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i> 	<ul style="list-style-type: none"> Collars surveyed with handheld GPS Down hole surveys conducted with magnetic multi-shot digital camera Coordinate system used is MGA94 Zone 55 Topographic control is based on a detailed 3D Digital

Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> • <i>Specification of the grid system used.</i> • <i>Quality and adequacy of topographic control.</i> 	Elevation Model
Data spacing and distribution	<ul style="list-style-type: none"> • <i>Data spacing for reporting of Exploration Results.</i> • <i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i> • <i>Whether sample compositing has been applied.</i> 	<ul style="list-style-type: none"> • The drilling has been designed on approximately 30m x 30m spacing • This data spacing and distribution is sufficient to establish a degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedures applied. • No sample compositing has been applied
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> • <i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i> • <i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i> 	<ul style="list-style-type: none"> • Drill holes are orientated perpendicular to the perceived strike of the host lithologies • Drill holes are drilled at a dip based on logistics and dip of anomaly to be tested • The orientation of the drilling is designed to not bias sampling • The orientation of the drill core is determined using a Digital Orientation Tool
Sample security	<ul style="list-style-type: none"> • <i>The measures taken to ensure sample security.</i> 	<ul style="list-style-type: none"> • Samples have been overseen by company staff during transport from site to Intertek Genalysis laboratories, Townsville.
Audits or reviews	<ul style="list-style-type: none"> • <i>The results of any audits or reviews of sampling techniques and data.</i> 	<ul style="list-style-type: none"> • No audits or reviews have been carried out at this point

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul style="list-style-type: none"> Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area. 	<ul style="list-style-type: none"> The drilling was conducted on Mining Lease ML1531 ML1531 is held by Cromarty Pty Ltd. (a wholly owned subsidiary of Red River Resources) and form part of Red River's Thalanga Zinc Project No Native Title exists over ML1531 The Mining Leases are in good standing
Exploration done by other parties	<ul style="list-style-type: none"> Acknowledgment and appraisal of exploration by other parties. 	<ul style="list-style-type: none"> Historic Exploration was carried out by PanContinental Mining & RGC Exploration. This included drilling and geophysics
Geology	<ul style="list-style-type: none"> Deposit type, geological setting and style of mineralisation. 	<ul style="list-style-type: none"> The exploration model is Volcanic Hosted Massive Sulphide (VHMS) base metal mineralisation The regional geological setting is the Mt Windsor Volcanic Sub-province, consisting of Cambro-Ordovician marine volcanic and volcano-sedimentary sequences
Drill hole Information	<ul style="list-style-type: none"> A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes, including, easting and northing, elevation or RL, dip and azimuth, down hole length, interception depth and hole length. If the exclusion of this information is justified the Competent Person should clearly explain why this is the case. 	<ul style="list-style-type: none"> See Table 3 – Drill Hole Details See Appendix 1 – Assay Details
Data aggregation methods	<ul style="list-style-type: none"> In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated. Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. The assumptions used for any reporting of metal equivalent values should be clearly stated. 	<ul style="list-style-type: none"> Interval length weighted assay results are reported Significant Intercepts are chosen based on the context of the results, for example significant intercepts relating to resource definition are generally > 5% Zn Equivalents. Refer to Appendix 1 for metal equivalent calculation methodology

Criteria	JORC Code explanation	Commentary
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> • <i>These relationships are particularly important in the reporting of Exploration Results.</i> • <i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i> • <i>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</i> 	<ul style="list-style-type: none"> • The mineralisation is interpreted to be steeply dipping. Drill holes have been angled to intercept the mineralisation as close to perpendicular as possible. • Down hole intercepts are reported. True widths are likely to be 40-70% of the down hole widths.
Diagrams	<ul style="list-style-type: none"> • <i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plans and sections.</i> 	<ul style="list-style-type: none"> • Refer to plans and sections within report
Balanced reporting	<ul style="list-style-type: none"> • <i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i> 	<ul style="list-style-type: none"> • The accompanying document is considered to represent a balanced report
Other substantive exploration data	<ul style="list-style-type: none"> • <i>Other exploration data, if meaningful and material, should be reported.</i> 	<ul style="list-style-type: none"> • All meaningful and material data is reported
Further work	<ul style="list-style-type: none"> • <i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> 	<ul style="list-style-type: none"> • Further drilling is planned based on the results of this current program