

De Grey Mining Ltd

A.B.N. 65 094 206 292

22 January 2015

ASX/MEDIA RELEASE

TURNER RIVER DRILLING RESULTS

BACKGROUND

Drilling designed to:

- Extend shallow mineralization at Discovery;
- Target existing IP anomalies along strike at Discovery;
- Test a series of IP anomalies at Tabba Tabba, including a zone showing the highest IP anomaly seen to date at Turner River Base Metals

OUTCOMES

- Five Reverse Circulation holes completed for 1601m
- Tabba Tabba potential mineralization horizon strike extended over 500m
- Discovery potential mineralization horizon strike extended over 100m
- IP anomaly tested at Tabba Tabba did not return significant mineralization – drilling may not have hit the anomaly, which may have been more steeply dipping than anticipated and hence remains untested

De Grey Mining CEO, Mr. Peter Batten, stated that:

“Results of the recent drilling at the Turner River Base Metals Project were disappointing, even though mineralization was extended along strike at both Tabba Tabba and Discovery.

The project potential is relatively unchanged after the completion of this programme. The existing resources are significant and able to be increased. Ten mineralized prospects, the majority sparsely drilled, still require further exploration work. Turner River continues to tantalize and deserves ongoing work.”

Hole ID	From	To	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn %
DISCRC004	53	65	0.01	2.42	198.17	155.50	0.05
	85	88	0.01	3.13	67.00	257.00	0.24
<i>including 1m @ 0.63% Zn from 86m</i>							
TTRC021	300	304	0	0.27	52.25	291.25	0.14

GEOLOGY

The Turner River Base Metal Project (“TRBMP”) consists of 94.6km² of prospective ground, 45km SE of Port Hedland (See Figure 1).

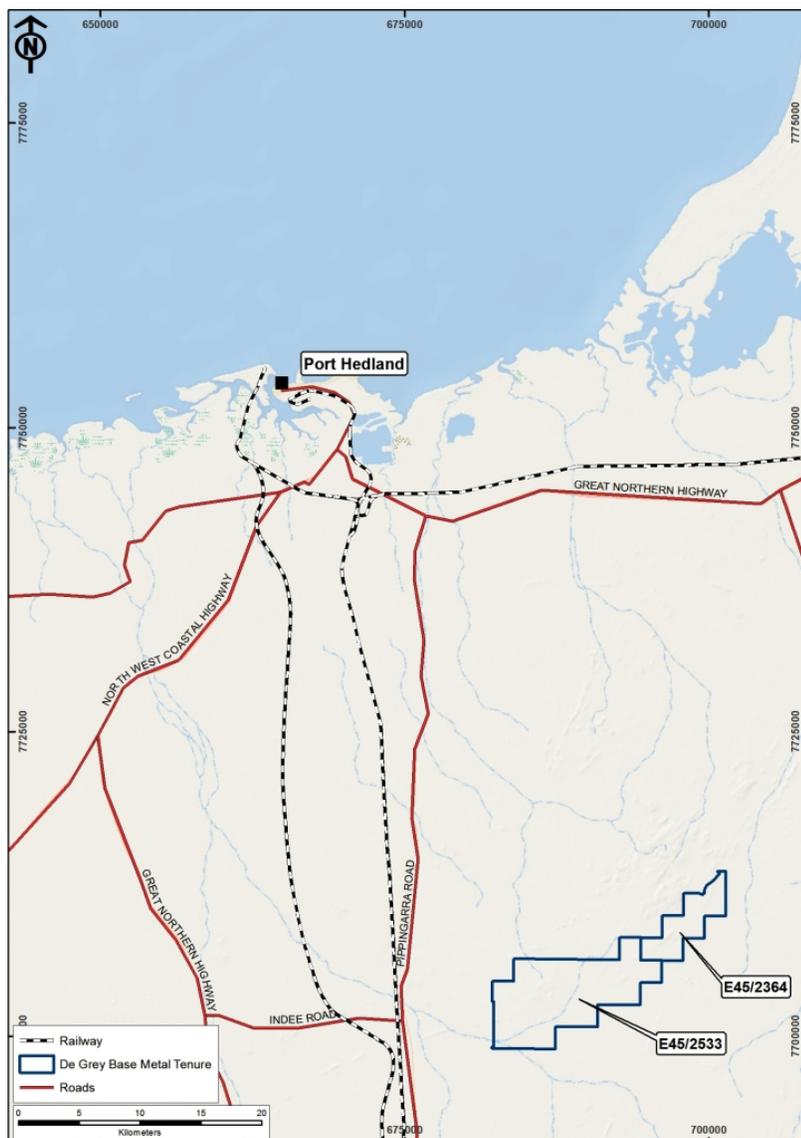


Figure 1: Project Location

Volcanogenic massive sulphide-style (**VMS**) mineralisation within the Tabba Tabba greenstone belt of the Archaean Pilbara Craton of northern Western Australia was a virgin discovery by De Grey in October 2005.

A 23km strike length of the east-west striking greenstone belt is contained within the TRBMP. The greenstone belt is up to 2km wide and the Tabba Tabba shear is interpreted to represent a terrane boundary separating the Mallina Basin of the Central Pilbara from the East Pilbara Granite-Greenstone region to the southeast.

Drilling

The December drilling programme completed five of the six proposed Reverse Circulation (RC) holes for a total of 1,601m (Figure 2). The drilling targeted potential mineralized horizons at the Discovery Prospect and the Tabba Tabba prospect.

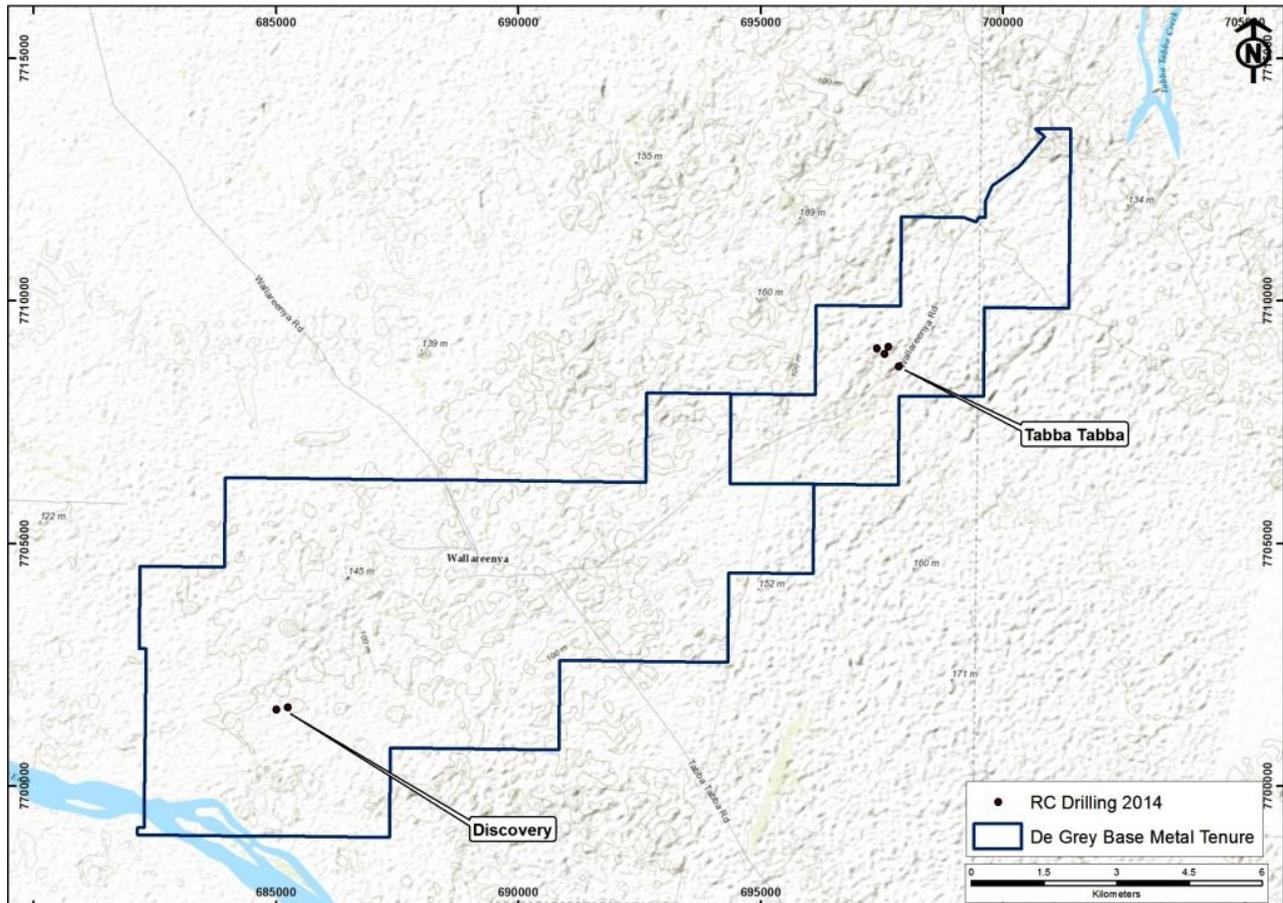


Figure 2: Project Location

Discovery

The drilling for the Discovery Prospect targeted IP anomalies along strike from the existing mineralization. The drilling was designed to extend the shallow (~100m) mineralisation to the west of the existing resource at Discovery (Figure 3).

The programme completed two of the planned three holes of RC drilling for a total of 364m. The IP anomaly to the east of existing resource at Discovery was not drilled.

DISRC004 was located approximately 100m west of the existing drill delineated mineralization at Discovery and was targeting shallow mineralization extensions.

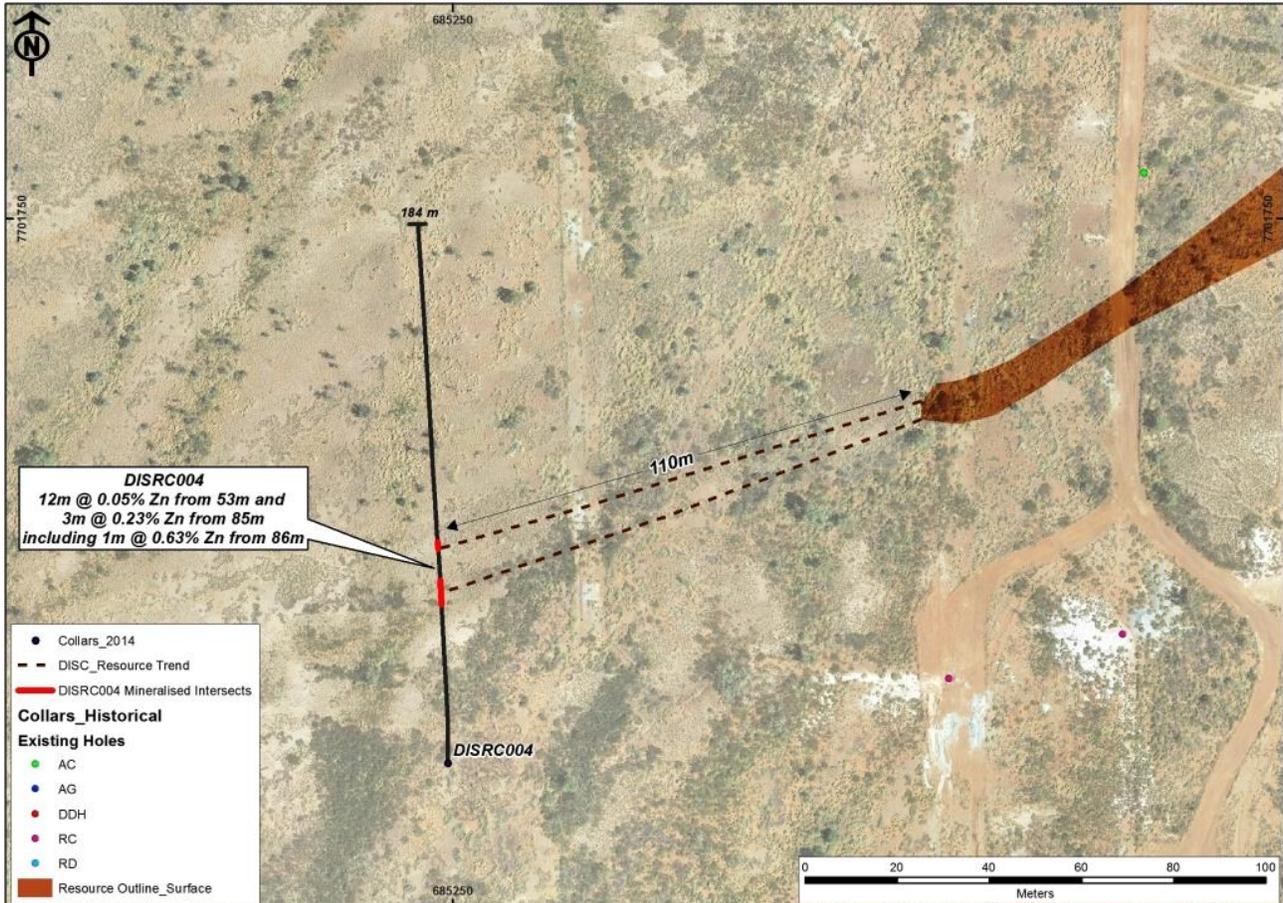


Figure 3: Discovery prospect

DISRC004 intersected two zones of elevated zinc levels that are interpreted as the target mineralized horizon. The two zones, at 53m downhole and 85m downhole, extend the known mineralized horizon by in excess of 100m. This extends the known strike length of the Discovery horizon by approximately 50%.

The wide (12 metres) but low grade mineralization is potentially edge mineralization of the plunging zone. This can be tested with further drilling.

DISRC005, collared 250m west of DISRC004, did not intersect significant mineralization. The mineralization at Discovery may plunge below the level tested by drilling.

Tabba Tabba

The drilling for the Tabba Tabba Prospect tested IP chargeability anomalies that were the product of a survey completed before the project was returned to De Grey's management in early 2014.

These anomalies represent a series of parallel zones extending south west from existing zinc mineralization at Tabba Tabba and to the northwest.

The drilling of the known mineralized horizon, TTRC027, intersected zinc mineralization, 4m at 0.14% Zn, from 300m downhole, effectively extending the strike of the target horizon by more than 500m, a 100% increase in the target strike length (Figure 3). The lower grade mineralization

may indicate that the plunge of the mineralization is steeper than predicted and the main zone sits below the recent drillhole.

The other holes drilled at Tabba Tabba, TTRC020, TTRC022 and TTRC023, were targeting the higher level IP anomalies parallel and to the northwest of the known line of mineralization at Tabba Tabba.

Difficult ground conditions resulted in the abandonment of the first hole, TTRC022, and an adjustment of the programme. The other holes targeting this IP anomaly did not intersect significant mineralization.

The source of the IP anomaly has not been resolved. As this mineralization does not display a surface expression it is possible the drilling has straddled the emitter (Figure 4). In an effort to better locate the source of the chargeability anomaly at Tabba Tabba downhole geophysical methods are being assessed.

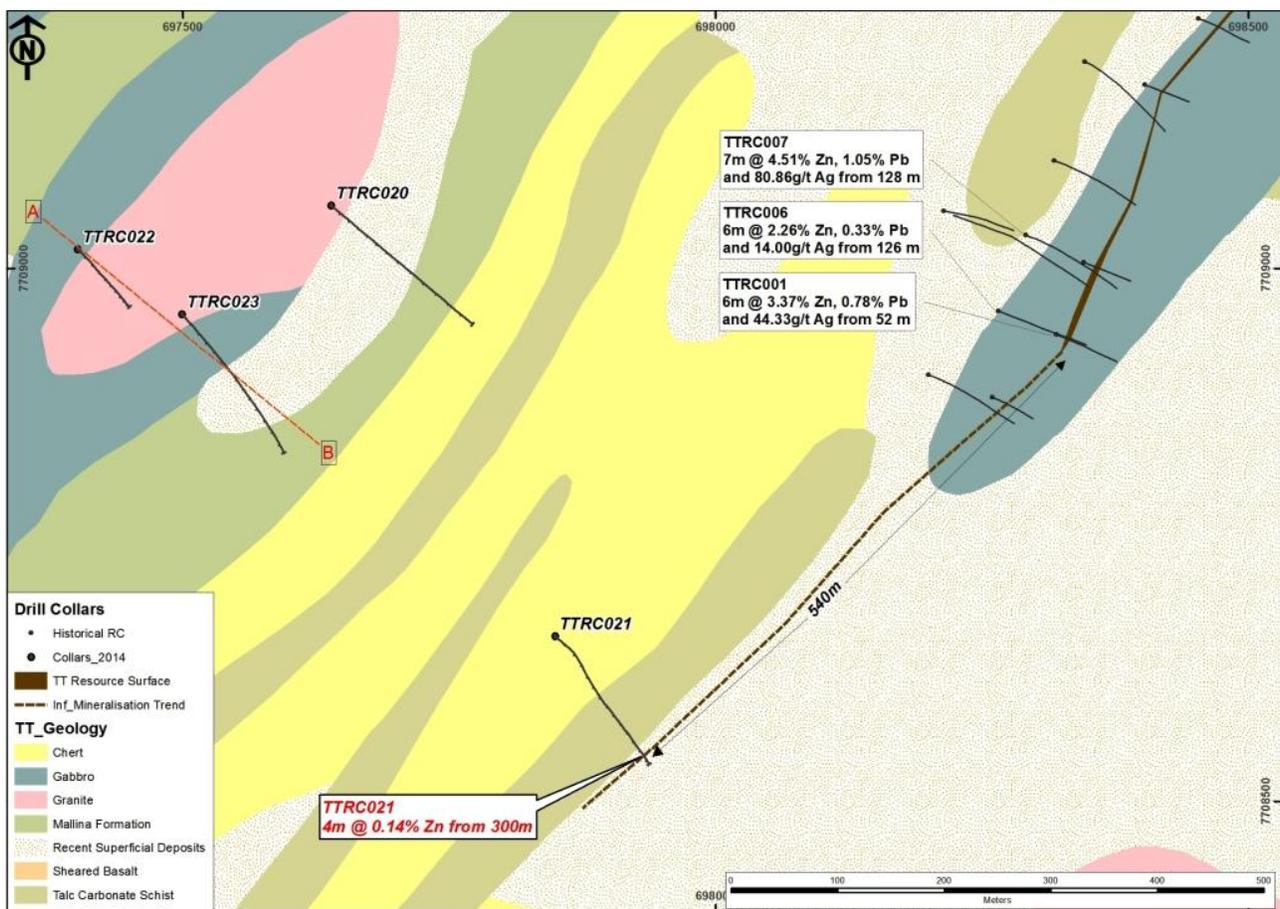


Figure 4: Tabba Tabba prospect (historic drilling previously reported)

TTRC021 was designed to test for the southern extension of the existing mineralization, previously reported at Tabba Tabba. The IP chargeability anomaly at this location was interpreted as being in the downplunge position from the existing zinc mineralization.

TTRC021 intersected low grade mineralization of 4 metres at 0.14% Zn from 300 metres downhole. This mineralization could represent the edge of a mineralized zone with better mineralization below the drilling or to the northeast closer to the existing mineralization (Figure 4).

The weak mineralization intersected in TTRC021 does not resolve the source of the IP chargeability anomaly for IP zone 1.

The purpose of this drilling programme was to extend the mineralized horizon and to resolve the source of the high tenor IP anomalies at Tabba Tabba.

Despite the weak grades returned from TTRC021 this drillhole has intersected the host horizon and zinc mineralization was still present over 500 metres from the previously identified mineralization. The potential mineralized horizon at Tabba Tabba has increased to over 1,000 metres.

The source of the IP anomalies remains unknown. Further work is required to better locate the 3 dimensional position of the anomaly to improve the prospect of intersecting the source in future drilling.

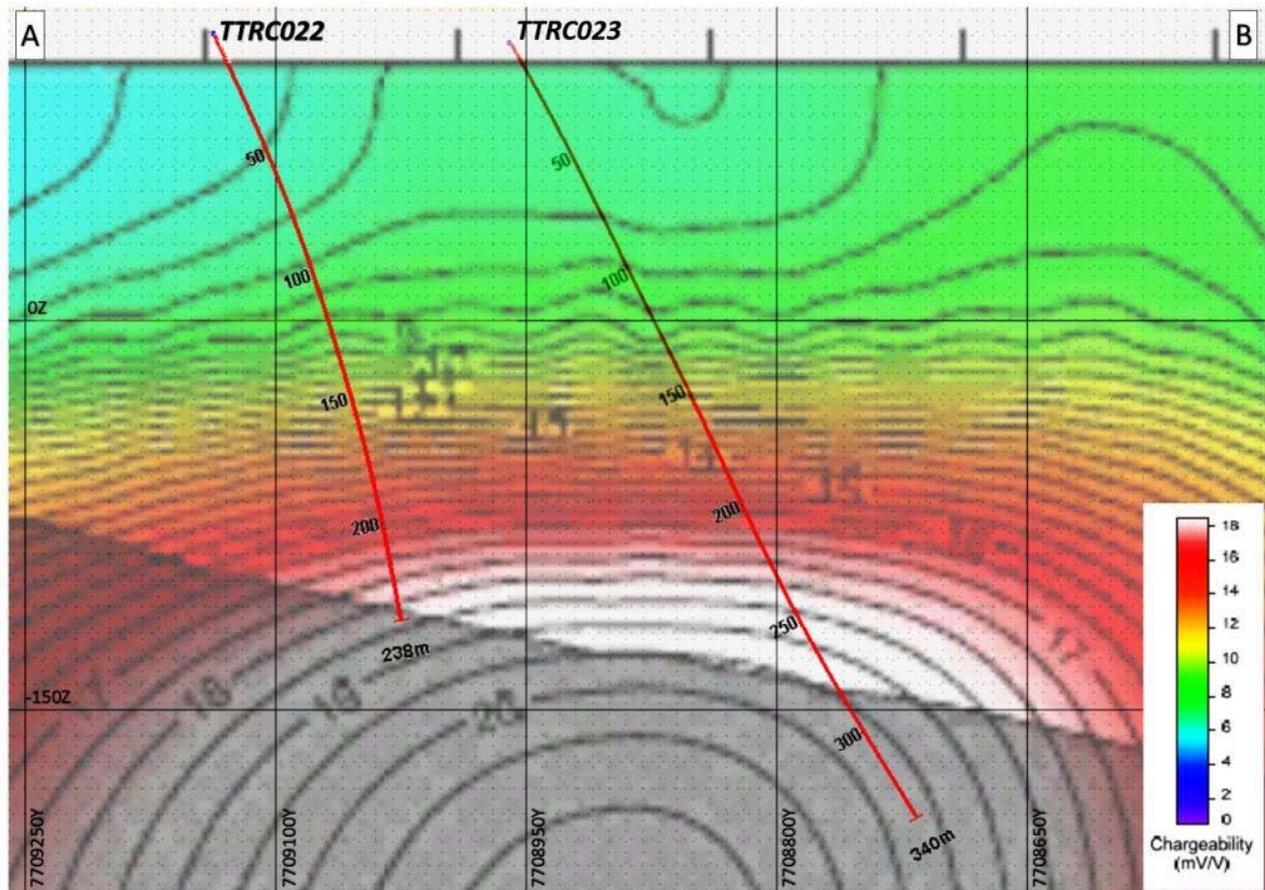


Figure 5: Tabba Tabba drill section (see Figure 4 for section line)

Further Work

The programme did not fulfill all the designed outcomes. Mineralization intersected in the drilling, whilst extending the mineralized horizon, was disappointing.

Notwithstanding, TRBMP has been enhanced with the intersected location of the mineralized host horizon being intersected at the main Tabba Tabba line and at Discovery, extending the potential for further zinc mineralization at these prospects.

The potential of Turner River remains relatively unchanged.

- There is an existing resource at Discovery and Orchard Tank (refer ASX announcement 23 October 2014).
- There are 10 identified prospects on TRBMP, with potential to intersect and expand on the known mineralization at all ten prospects.
- Tabba Tabba retains high tenor IP anomalies that have not yet been resolved by drilling, whilst one hole extended the mineralized horizon by 500 m.
- Apart from the ten known prospects there is in excess of 15 kilometres of the Tabba Tabba horizon that have yet to be explored.

To progress this project De Grey needs to increase the resource to an economic size. Recent results continue to indicate that this can be achieved by:

- Drilling and extending the existing mineralization already identified at Turner River at both depth and on strike at Orchard Well, Discovery and Tabba Tabba;
- Infill drilling at Tabba Tabba where the drilling density is currently not sufficient for a resource estimate;
- The IP anomalies at Tabba Tabba need to be resolved and still represent possible mineralization at these locations. This requires downhole ElectroMagnetic surveys to aid in better locating their positions and further drilling; and
- Geological mapping of the 15 kms of strike that has not been properly assessed, with follow up drilling of likely targets.

Further to the above potential to enhance the TRBMP, there remain other prospects on the tenement deserving further work:

- A splay to the west of the project area – Claypan Well - that is anomalous in copper (refer ASX announcement 23 October 2014); and
- Several gold prospects that require follow up work.

Turner River has an abundance of prospects and further improvements on the current resource and mineral package would appear to be merely a matter of completing sufficient work.

For further information:

Peter Batten
De Grey Mining Limited
Ph: +61 8 9381 4108

Competent Persons Declaration

The information in this announcement that relates to exploration results is based on information compiled by or under the supervision of Peter Batten. Mr Batten is Executive Chairman of De Grey Mining Ltd and a Member of the Australasian Institute of Mining and Metallurgy and a Member of the Australian Institute of Geoscientists. Mr Batten has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and the activity he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results. Mr Batten consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

APPENDIX 1

Drilling Data

Table 1 – Drillhole location and orientation

Hole ID	EAST	NORTH	RL	AZI	DIP	EOH
DISRC004	685249	7701632	101.05	0	-60	184
DISRC005	684997	7701588	105.16	0	-60	180
TTRC020	697639	7709059	105.99	130	-65	325
TTRC021	697849	7708655	113.80	130	-60	334
TTRC022	697401	7709018	110.42	130	-65	238
TTRC023	697499	7708957	107.24	130	-60	340
All coordinates refer to GDA94 datum, Zone 50						

Table 2 – Individual drill samples

HOLE ID	SAMPLE ID	SAMP FROM	SAMP TO	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Zn %
TTRC020	131503	17.00	18.00	0.00	0.00	103.00	0.00	87.00	0.01
TTRC020	131504	18.00	19.00	0.00	0.00	87.00	0.00	54.00	0.01
TTRC020	131505	19.00	20.00	0.00	0.00	103.00	0.00	50.00	0.01
TTRC020	131506	20.00	21.00	0.01	0.00	78.00	0.00	66.00	0.01
TTRC020	131507	55.00	56.00	0.00	0.00	51.00	10.00	36.00	0.00
TTRC020	131508	56.00	57.00	0.00	0.00	63.00	6.00	42.00	0.00
TTRC020	131509	57.00	58.00	0.00	0.00	66.00	11.00	40.00	0.00
TTRC020	131510	58.00	59.00	0.01	0.00	41.00	10.00	39.00	0.00
TTRC020	131511	59.00	60.00	0.00	0.00	86.00	9.00	39.00	0.00
TTRC020	131513	60.00	61.00	0.00	0.00	86.00	7.00	39.00	0.00
TTRC020	131514	61.00	62.00	0.00	0.00	80.00	13.00	37.00	0.00
TTRC020	131516	62.00	63.00	0.01	0.00	74.00	8.00	34.00	0.00
TTRC020	131517	63.00	64.00	0.01	0.00	51.00	10.00	39.00	0.00
TTRC020	131518	64.00	65.00	0.01	0.00	60.00	9.00	37.00	0.00
TTRC020	131519	65.00	66.00	0.01	0.00	106.00	10.00	39.00	0.00
TTRC020	131520	66.00	67.00	0.00	0.00	34.00	12.00	45.00	0.00
TTRC020	131521	67.00	68.00	0.00	0.00	81.00	11.00	41.00	0.00
TTRC020	131522	68.00	69.00	0.00	0.00	71.00	13.00	46.00	0.00
TTRC020	131523	69.00	70.00	0.08	0.00	261.00	0.00	78.00	0.01
TTRC020	131524	77.00	78.00	0.00	0.00	54.00	7.00	97.00	0.01
TTRC020	131525	78.00	79.00	0.00	0.00	39.00	7.00	102.00	0.01
TTRC020	131526	79.00	80.00	0.02	0.00	48.00	7.00	89.00	0.01
TTRC020	131527	80.00	81.00	0.00	0.00	50.00	0.00	76.00	0.01
TTRC020	131528	81.00	82.00	0.05	0.00	42.00	0.00	95.00	0.01

TTRC020	131529	82.00	83.00	0.00	0.00	27.00	0.00	98.00	0.01
TTRC020	131531	83.00	84.00	0.01	0.00	61.00	7.00	85.00	0.01
TTRC020	131532	84.00	85.00	0.00	0.00	48.00	9.00	82.00	0.01
TTRC020	131533	85.00	86.00	0.00	0.00	58.00	7.00	88.00	0.01
TTRC020	131535	86.00	87.00	0.00	0.00	24.00	0.00	88.00	0.01
TTRC020	131536	87.00	88.00	0.00	0.00	65.00	0.00	77.00	0.01
TTRC020	131537	88.00	89.00	0.00	0.00	32.00	0.00	73.00	0.01
TTRC020	131538	89.00	90.00	0.00	0.00	25.00	0.00	80.00	0.01
TTRC020	131539	90.00	91.00	0.01	0.00	53.00	12.00	82.00	0.01
TTRC020	131540	91.00	92.00	0.00	0.00	57.00	8.00	81.00	0.01
TTRC020	131541	92.00	93.00	0.01	0.00	81.00	6.00	77.00	0.01
TTRC020	131542	93.00	94.00	0.00	0.00	37.00	7.00	105.00	0.01
TTRC020	131543	94.00	95.00	0.00	0.00	9.00	0.00	91.00	0.01
TTRC020	131544	95.00	96.00	0.00	0.00	0.00	0.00	76.00	0.01
TTRC020	131546	96.00	97.00	0.02	0.00	43.00	0.00	73.00	0.01
TTRC020	131547	97.00	98.00	0.02	0.00	0.00	9.00	79.00	0.01
TTRC020	131548	98.00	99.00	0.00	0.00	52.00	8.00	71.00	0.01
TTRC020	131549	99.00	100.00	0.06	0.00	33.00	7.00	81.00	0.01
TTRC020	131550	100.00	101.00	0.00	0.00	80.00	5.00	109.00	0.01
TTRC020	131551	101.00	102.00	0.00	0.00	42.00	6.00	94.00	0.01
TTRC020	131552	102.00	103.00	0.00	0.00	47.00	8.00	102.00	0.01
TTRC020	131553	103.00	104.00	0.00	0.00	67.00	8.00	104.00	0.01
TTRC020	131554	104.00	105.00	0.00	0.00	18.00	7.00	118.00	0.01
TTRC020	131555	105.00	106.00	0.00	0.00	25.00	14.00	81.00	0.01
TTRC020	131557	106.00	107.00	0.00	0.00	37.00	7.00	69.00	0.01
TTRC020	131558	107.00	108.00	0.00	0.00	37.00	9.00	99.00	0.01
TTRC020	131559	144.00	145.00	0.00	0.00	73.00	0.00	74.00	0.01
TTRC020	131561	145.00	146.00	0.00	0.00	118.00	0.00	81.00	0.01
TTRC020	131562	146.00	147.00	0.00	0.00	22.00	8.00	60.00	0.01
TTRC020	131563	305.00	306.00	0.00	0.00	26.00	25.00	81.00	0.01
TTRC020	131564	306.00	307.00	0.00	0.00	23.00	45.00	104.00	0.01
TTRC020	131565	307.00	308.00	0.00	0.00	27.00	16.00	71.00	0.01
TTRC020	131566	308.00	309.00	0.00	0.00	35.00	13.00	67.00	0.01
TTRC020	131567	309.00	310.00	0.00	0.00	45.00	10.00	83.00	0.01
TTRC020	131568	310.00	311.00	0.00	0.00	34.00	11.00	67.00	0.01
TTRC021	131569	235.00	236.00	0.11	1.00	24.00	48.00	76.00	0.01
TTRC021	131570	236.00	237.00	0.01	0.00	15.00	11.00	128.00	0.01
TTRC021	131571	237.00	238.00	0.00	0.00	7.00	8.00	113.00	0.01
TTRC021	131572	238.00	239.00	0.02	0.50	21.00	13.00	85.00	0.01
TTRC021	131573	239.00	240.00	0.04	0.00	21.00	12.00	32.00	0.00
TTRC021	131574	246.00	247.00	0.00	0.00	55.00	11.00	118.00	0.01
TTRC021	131576	247.00	248.00	0.00	0.00	8.00	10.00	108.00	0.01
TTRC021	131577	248.00	249.00	0.00	0.00	9.00	13.00	107.00	0.01
TTRC021	131578	249.00	250.00	0.00	0.00	10.00	9.00	91.00	0.01

TTRC021	131579	250.00	251.00	0.01	0.00	8.00	9.00	68.00	0.01
TTRC021	131580	251.00	252.00	0.00	0.00	5.00	7.00	69.00	0.01
TTRC021	131581	266.00	267.00	0.00	0.00	21.00	11.00	84.00	0.01
TTRC021	131582	267.00	268.00	0.00	0.00	24.00	8.00	99.00	0.01
TTRC021	131583	268.00	269.00	0.00	0.00	12.00	14.00	109.00	0.01
TTRC021	131584	269.00	270.00	0.00	0.00	6.00	12.00	62.00	0.01
TTRC021	131585	270.00	271.00	0.00	0.00	0.00	44.00	52.00	0.01
TTRC021	131586	271.00	272.00	0.00	0.00	9.00	21.00	28.00	0.00
TTRC021	131587	272.00	273.00	0.00	0.00	11.00	11.00	33.00	0.00
TTRC021	131588	273.00	274.00	0.02	0.00	11.00	10.00	71.00	0.01
TTRC021	131589	274.00	275.00	0.00	0.00	23.00	13.00	189.00	0.02
TTRC021	131591	280.00	281.00	0.00	0.00	0.00	8.00	66.00	0.01
TTRC021	131592	281.00	282.00	0.00	0.00	0.00	10.00	62.00	0.01
TTRC021	131593	282.00	283.00	0.00	0.00	0.00	5.00	44.00	0.00
TTRC021	131594	283.00	284.00	0.00	0.00	0.00	15.00	44.00	0.00
TTRC021	131595	284.00	285.00	0.00	0.00	16.00	28.00	182.00	0.02
TTRC021	131596	285.00	286.00	0.00	0.00	16.00	16.00	116.00	0.01
TTRC021	131597	286.00	287.00	0.00	0.00	14.00	45.00	226.00	0.02
TTRC021	131598	287.00	288.00	0.00	0.00	5.00	29.00	73.00	0.01
TTRC021	131599	288.00	289.00	0.01	0.00	17.00	27.00	95.00	0.01
TTRC021	131601	289.00	290.00	0.00	0.00	35.00	34.00	163.00	0.02
TTRC021	131602	290.00	291.00	0.00	0.00	16.00	27.00	67.00	0.01
TTRC021	131603	291.00	292.00	0.00	0.00	87.00	83.00	236.00	0.02
TTRC021	131604	292.00	293.00	0.00	0.00	88.00	7.00	86.00	0.01
TTRC021	131605	293.00	294.00	0.02	0.00	200.00	9.00	94.00	0.01
TTRC021	131606	294.00	295.00	0.00	0.00	214.00	0.00	59.00	0.01
TTRC021	131607	295.00	296.00	0.00	0.00	69.00	40.00	63.00	0.01
TTRC021	131608	296.00	297.00	0.00	0.00	94.00	17.00	253.00	0.03
TTRC021	131609	297.00	298.00	0.00	0.00	42.00	16.00	139.00	0.01
TTRC021	131610	298.00	299.00	0.00	0.00	241.00	20.00	107.00	0.01
TTRC021	131611	299.00	300.00	0.00	0.00	133.00	18.00	118.00	0.01
TTRC021	131612	300.00	301.00	0.00	0.00	73.00	87.00	1260.00	0.13
TTRC021	131613	301.00	302.00	0.00	0.60	59.00	56.00	1400.00	0.14
TTRC021	131614	302.00	303.00	0.00	0.00	38.00	342.00	1420.00	0.14
TTRC021	131616	303.00	304.00	0.00	0.50	39.00	680.00	1470.00	0.15
TTRC021	131617	304.00	305.00	0.00	0.60	45.00	266.00	656.00	0.07
TTRC021	131618	305.00	306.00	0.00	0.00	35.00	35.00	102.00	0.01
TTRC021	131619	306.00	307.00	0.00	0.00	64.00	23.00	102.00	0.01
TTRC021	131620	307.00	308.00	0.00	0.00	32.00	12.00	89.00	0.01
TTRC022	131621	0.00	1.00	0.00	0.00	31.00	25.00	77.00	0.01
TTRC022	131622	1.00	2.00	0.00	0.00	50.00	26.00	71.00	0.01
TTRC022	131623	2.00	3.00	0.00	0.00	32.00	0.00	60.00	0.01
TTRC022	131624	3.00	4.00	0.01	0.00	23.00	5.00	63.00	0.01
TTRC022	131625	4.00	5.00	0.00	0.00	20.00	8.00	74.00	0.01

TTRC022	131626	5.00	6.00	0.00	0.00	10.00	6.00	79.00	0.01
TTRC022	131627	6.00	7.00	0.00	0.00	25.00	0.00	59.00	0.01
TTRC022	131628	7.00	8.00	0.00	0.00	32.00	5.00	68.00	0.01
TTRC022	131629	8.00	9.00	0.00	0.00	34.00	0.00	76.00	0.01
TTRC022	131631	9.00	10.00	0.00	0.00	21.00	5.00	90.00	0.01
TTRC022	131632	10.00	11.00	0.00	0.00	7.00	0.00	86.00	0.01
TTRC022	131633	11.00	12.00	0.00	0.00	11.00	6.00	72.00	0.01
DISRC004	131634	15.00	16.00	0.00	0.00	0.00	0.00	21.00	0.00
DISRC004	131635	16.00	17.00	0.00	0.00	7.00	6.00	38.00	0.00
DISRC004	131637	17.00	18.00	0.00	0.00	9.00	5.00	93.00	0.01
DISRC004	131638	18.00	19.00	0.00	0.00	10.00	0.00	99.00	0.01
DISRC004	131639	19.00	20.00	0.00	0.70	7.00	0.00	94.00	0.01
DISRC004	131640	40.00	41.00	0.00	1.10	7.00	9.00	133.00	0.01
DISRC004	131641	41.00	42.00	0.00	0.50	0.00	8.00	135.00	0.01
DISRC004	131642	42.00	43.00	0.00	0.00	26.00	5.00	162.00	0.02
DISRC004	131643	46.00	47.00	0.00	0.00	15.00	8.00	124.00	0.01
DISRC004	131644	47.00	48.00	0.00	0.00	20.00	27.00	196.00	0.02
DISRC004	131646	48.00	49.00	0.00	0.00	26.00	13.00	405.00	0.04
DISRC004	131647	53.00	54.00	0.00	0.70	175.00	50.00	504.00	0.05
DISRC004	131648	54.00	55.00	0.04	4.90	794.00	262.00	992.00	0.10
DISRC004	131649	55.00	56.00	0.06	9.60	956.00	640.00	757.00	0.08
DISRC004	131650	56.00	57.00	0.00	4.70	127.00	259.00	642.00	0.06
DISRC004	131651	57.00	58.00	0.00	1.70	56.00	162.00	571.00	0.06
DISRC004	131652	58.00	59.00	0.00	0.00	10.00	10.00	104.00	0.01
DISRC004	131653	59.00	60.00	0.00	0.00	29.00	33.00	268.00	0.03
DISRC004	131654	60.00	61.00	0.03	0.50	43.00	91.00	443.00	0.04
DISRC004	131656	61.00	62.00	0.02	1.50	56.00	73.00	716.00	0.07
DISRC004	131657	62.00	63.00	0.01	4.10	29.00	72.00	503.00	0.05
DISRC004	131658	63.00	64.00	0.00	0.50	38.00	22.00	190.00	0.02
DISRC004	131659	64.00	65.00	0.00	0.80	65.00	192.00	824.00	0.08
DISRC004	131661	65.00	66.00	0.00	0.00	15.00	39.00	172.00	0.02
DISRC004	131662	66.00	67.00	0.00	0.00	13.00	8.00	122.00	0.01
DISRC004	131663	67.00	68.00	0.00	0.00	40.00	9.00	125.00	0.01
DISRC004	131664	68.00	69.00	0.00	0.00	51.00	11.00	92.00	0.01
DISRC004	131665	69.00	70.00	0.01	0.00	43.00	6.00	75.00	0.01
DISRC004	131666	85.00	86.00	0.01	0.90	8.00	65.00	317.00	0.03
DISRC004	131667	86.00	87.00	0.02	6.60	171.00	618.00	6300.00	0.63
DISRC004	131668	87.00	88.00	0.01	1.90	22.00	88.00	441.00	0.04
DISRC004	131669	157.00	158.00	0.00	0.00	7.00	0.00	26.00	0.00
DISRC004	131670	158.00	159.00	0.00	0.00	24.00	0.00	15.00	0.00
DISRC004	131671	159.00	160.00	0.00	0.00	10.00	0.00	16.00	0.00
DISRC004	131672	160.00	161.00	0.00	0.00	21.00	12.00	22.00	0.00
DISRC004	131673	161.00	162.00	0.01	0.90	55.00	24.00	30.00	0.00
DISRC004	131674	162.00	163.00	0.00	0.00	10.00	0.00	17.00	0.00

DISRC004	131676	163.00	164.00	0.00	0.00	12.00	0.00	20.00	0.00
DISRC004	131677	164.00	165.00	0.00	0.00	20.00	0.00	31.00	0.00
DISRC004	131678	165.00	166.00	0.00	0.00	104.00	13.00	71.00	0.01
DISRC004	131679	166.00	167.00	0.00	0.00	75.00	19.00	100.00	0.01
DISRC004	131680	167.00	168.00	0.00	0.00	53.00	13.00	66.00	0.01
DISRC004	131681	168.00	169.00	0.00	0.00	78.00	8.00	77.00	0.01
DISRC005	131682	122.00	123.00	0.01	0.00	20.00	0.00	30.00	0.00
DISRC005	131683	123.00	124.00	0.00	0.00	19.00	0.00	30.00	0.00
DISRC005	131684	124.00	125.00	0.00	0.00	24.00	0.00	25.00	0.00
DISRC005	131685	125.00	126.00	0.00	0.00	18.00	18.00	34.00	0.00
DISRC005	131686	126.00	127.00	0.00	0.00	21.00	13.00	23.00	0.00
DISRC005	131687	127.00	128.00	0.01	0.00	19.00	0.00	91.00	0.01
DISRC005	131688	128.00	129.00	0.00	0.00	27.00	0.00	20.00	0.00
DISRC005	131689	129.00	130.00	0.00	0.00	12.00	0.00	96.00	0.01
DISRC005	131691	130.00	131.00	0.04	0.00	18.00	17.00	81.00	0.01
DISRC005	131692	131.00	132.00	0.01	0.00	88.00	6.00	98.00	0.01
DISRC005	131693	132.00	133.00	0.01	0.00	90.00	7.00	67.00	0.01
DISRC005	131694	133.00	134.00	0.01	0.00	63.00	0.00	49.00	0.00
DISRC005	131695	134.00	135.00	0.03	0.00	75.00	0.00	60.00	0.01
DISRC005	131696	135.00	136.00	0.00	0.00	106.00	5.00	66.00	0.01
DISRC005	131697	136.00	137.00	0.00	0.00	89.00	0.00	67.00	0.01
DISRC005	131698	137.00	138.00	0.00	0.00	86.00	7.00	72.00	0.01
DISRC005	131699	149.00	150.00	0.01	0.00	20.00	0.00	22.00	0.00
DISRC005	131701	150.00	151.00	0.00	0.00	0.00	0.00	14.00	0.00
DISRC005	131702	151.00	152.00	0.00	0.00	20.00	0.00	10.00	0.00
DISRC005	131703	152.00	153.00	0.01	0.00	0.00	0.00	13.00	0.00
DISRC005	131704	153.00	154.00	0.00	0.00	0.00	0.00	13.00	0.00
DISRC005	131705	154.00	155.00	0.01	0.00	0.00	0.00	8.00	0.00
DISRC005	131706	155.00	156.00	0.00	0.00	0.00	0.00	10.00	0.00
DISRC005	131707	156.00	157.00	0.02	0.00	23.00	0.00	11.00	0.00
DISRC005	131708	157.00	158.00	0.00	0.00	48.00	0.00	30.00	0.00
DISRC005	131709	158.00	159.00	0.02	0.00	16.00	18.00	40.00	0.00
DISRC005	131710	159.00	160.00	0.02	0.00	96.00	13.00	58.00	0.01

JORC Code, 2012 Edition – Table 1 report

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"> Reverse Circulation (RC) samples were split using a cone splitter into 1m samples. All primary samples were weighed and were approximately 3kg. All RC intervals were geologically logged and mineralized intersects dispatched to SGS in Perth for assaying. Samples were dried and pulverized to 85% passing through 75 µm (Sample Code PRP86). Gold in samples were determined by fire assay by using lead collection technique with a 50 gram sample charge weight (Sample Code FAA505). Ag, Cu Pb and Zn were assayed using a "three – Acid Digest" and the solution presented to an ICP-OES for the quantification of the elements of interest. A 0.4g sample for Over Range Elements was digested with a mixture of hydrochloric, nitric and perchloric acids to near dryness. The final stage was fuming perchloric acid and the solution was analysed by AAS (Sample Codes DIG22D, ICP22D, DIG22S and AAS22S).
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 was conducted by Mt Magnet Drilling. RC drilling was by a Hydco track mounted 450 rig using a Sullair compressor with air capacity 900CFM/350 PSI, and auxiliary Sullair air compressor with air capacity 900CFM/350 PSI and a booster with 1800CFM/1000 PSI. Drilling was conducted with a 7 ½" face sampling bit.
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"> RC recovery was recorded by visual estimation of recovered sample bags and by weighing approximately 45% of all sample rejects from the splitter. All A and B samples were weighed to assess the accuracy of the sampling process. Recovery was generally of good quality.
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 studies and metallurgical 	<ul style="list-style-type: none"> All drillholes were geologically logged in full by an independent geologist. Logging is of sufficient quality for current studies

Criteria	JORC Code explanation	Commentary
Sub-sampling techniques and sample preparation	<p>studies.</p> <ul style="list-style-type: none"> • Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. • The total length and percentage of the relevant intersections logged. <p>If core, whether cut or sawn and whether quarter, half or all core taken.</p> <p>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</p> <p>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</p> <p>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</p> <p>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.</p> <p>Whether sample sizes are appropriate to the grain size of the material being sampled.</p>	<ul style="list-style-type: none"> • Reverse Circulation (RC) samples were split using a cone splitter into 1m samples. All primary samples were weighed and were approximately 3kg. All samples were dry. • All RC intervals were geologically logged and mineralized intersects dispatched to SGS in Perth for assaying. Samples were dried and pulverized to 85% passing through 75 µm (Sample Code PRP86). Gold in samples were determined by fire assay by using lead collection technique with a 50 gram sample charge weight (Sample Code FAA505). Ag, Cu Pb and Zn were assayed using a “three – Acid Digest” and the solution presented to an ICP-OES for the quantification of the elements of interest. A 0.4g sample for Over Range Elements was digested with a mixture of hydrochloric, nitric and perchloric acids to near dryness. The final stage was fuming perchloric acid and the solution was analysed by AAS (Sample Codes DIG22D, ICP22D, DIG22S and AAS22S). • Duplicate samples were taken approximately 1:20 and were collected by spearing approximately 3kg from the representative 1m interval sample reject. • QC measures include duplicate samples (1:20), Blanks (1:20) and two different certified standards (1:20) over and above the internal controls at SGS. • All sampling was carefully supervised. Ticket books were used with pre-numbered tickets placed in the sample bag and double checked against the ticket stubs and field sample sheet to guard against sample mix ups.
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> • The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. • 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. • 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. 	<ul style="list-style-type: none"> • QC measures include duplicate samples (1:20), Blanks (1:20) and two different certified standards (1:20) over and above the internal controls at SGS.

Criteria	JORC Code explanation	Commentary
Verification of sampling and assaying	<ul style="list-style-type: none"> The verification of significant intersections by either independent or alternative company personnel. The use of twinned holes. Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. Discuss any adjustment to assay data. 	<ul style="list-style-type: none"> De Grey personnel conducted a site visit in November 2014 during the drilling program to observe all drilling and sampling procedures. All procedures were considered industry standard, well supervised and well carried out. Geological and sampling data is entered directly into a "tough book" (logging tablet). The data is then downloaded to a computer here it is compiled into an access database. Assay data is provided as /csv files from the laboratory and entered into the access database. Spot checks are made against the laboratory certificates.
Location of data points	<ul style="list-style-type: none"> 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. Specification of the grid system used. Quality and adequacy of topographic control. 	<ul style="list-style-type: none"> Collar positions were set out using a Handheld Garmin GPS with reported accuracy of 3m and reported using GDA 1994, MGA Zone 50. Three pegs were lined up using a Suunto compass and a rope laid out on the ground between the three pegs to align the rig. Once the drilling was complete the final collar position was recorded using a Handheld Garmin GPS. Downhole surveys (dip and azimuth) were taken using a Reflex electronic multi shot instrument.
Data spacing and distribution	<ul style="list-style-type: none"> Data spacing for reporting of Exploration Results. 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. Whether sample compositing has been applied. 	<ul style="list-style-type: none"> Drillholes were to test pre-determined geophysical targets and are thus not on a grid.
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. 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. 	<ul style="list-style-type: none"> Surface mapping and historical drillholes in the area indicated that the dip of the local lithology was steeply dipping towards the north (Tabba Tabba) and to the south (Discovery). Drillholes were planned to intersect the lithology/mineralisation at right angles.
Sample security	<ul style="list-style-type: none"> The measures taken to ensure sample security. 	<ul style="list-style-type: none"> Samples were split and sealed (tied off in calico bags) at the drill site and transported to the De Grey Exploration Camp for processing. All samples picked for analyses are placed in clearly marked polyweave bags (10 per bag), strapped to a pallet and were stored in a locked sea container before transported via a courier company to SGS in Perth.
Audits or reviews	<ul style="list-style-type: none"> The results of any audits or reviews of sampling techniques and data. 	<ul style="list-style-type: none"> De Grey personnel conducted a site visit in November 2014 during the drilling program to observe all drilling and sampling procedures.

Criteria	JORC Code explanation	Commentary
		<i>All procedures were considered industry standard, well supervised and well carried out.</i>

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 located on two granted Exploration Licenses (E45/2364 (Tabba Tabba) and E45/2533 (Discovery)). De Grey holds 100% interest in the tenure.
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"> De Grey or its previous joint venture parties have been exploring the tenements since 2006.
Geology	<ul style="list-style-type: none"> Deposit type, geological setting and style of mineralisation. 	<ul style="list-style-type: none"> Both deposits are situated along the Tabba Tabba greenstone belt that runs the length of the two tenements. In this area, the belt ranges from 2km wide in the west to 1 km in the east. A terrane bounding shear, the Mount Dove-Tabba Tabba Shear Zone, runs along the greenstone belt, separating the Central Pilbara Tectonic Zone and overlying Mallina Basin from the granite-greenstone region of the East Pilbara Terrane. The greenstone belt, including the felsic volcanic sequence that is host to the zinc-lead-silver-gold-copper mineralisation, is highly attenuated by the regional deformation along the shear zone. The Turner River Base Metals Project's polymetallic Volcanic Massive Sulphide (VMS) mineralisation is hosted within steeply dipping, foliated, sericite-altered felsic schist that was originally thought to be a felsic volcanic. The predominantly zinc-silver mineralisation features significant gold content with drill intercepts often grading more than 1.5g/t gold.
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: <ul style="list-style-type: none"> easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in 	<ul style="list-style-type: none"> Drillhole coordinates and orientations are provided in Appendix 1, Table 1 of this report. This statement relates to Exploration Results.

Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> metres) of the drill hole collar o dip and azimuth of the hole o down hole length and interception depth o hole length. • If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case. 	
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"> • All assay results are reported as one metre intercepts as sampled (see Appendix 1, Table 2).
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> • These relationships are particularly important in the reporting of Exploration Results. • If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. • 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'). 	<ul style="list-style-type: none"> • The drilling is at right angles to the mapped strike of the outcropping lithologies. • All intercepts are reported as down-hole lengths and are aimed at being as perpendicular to mineralisation as practical.
Diagrams	<ul style="list-style-type: none"> • 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 plan view of drill hole collar locations and appropriate sectional views. 	<ul style="list-style-type: none"> • A drillhole plan is provided in Figure 2.
Balanced reporting	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • All assayed intercepts to date have been reported.
Other substantive exploration data	<ul style="list-style-type: none"> • Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances. 	<ul style="list-style-type: none"> • Previous announcements: 23 Oct 2014, 16 July 2014

Criteria	JORC Code explanation	Commentary
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> <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i> 	<ul style="list-style-type: none"> Downhole EM is planned at two of the recent drillholes at Tabba Tabba and at one of the recent drillholes at Discovery. Further drilling is required