

BONNIE VALE PROJECT – EXERCISE OF OPTION AND DUMP SAMPLING UPDATE

Highlights:

- **Exercise of Option to acquire 100% of the Bonnie Vale Project**
- **Bonnie Vale sampling undertaken**
- **Encouraging results up to 14.50g/t Au**

The Company is pleased to announce that it has exercised the option contained in the “Option and Sale Agreement Bonnie Vale Project” to complete the 100% purchase of the project.

The Company is also pleased to announce the results of the first batch of samples received from dump and stockpile sampling at the Bonnie Vale Project.

1 Background

As previously announced on 23 August 2018, the Board has committed to a strategy of achieving cash flow from gold production in the near term. In July 2018 Torian commenced a systematic review of the Company’s exploration and future production strategies. This included the testing of various historical workings dating back to the late 1890s within the Company landholdings, and evaluating ground acquisitions that could also provide early production opportunity. In line with this strategy, an option agreement to purchase was put in place with the vendors of the Bonnie Vale Project as it was found to contain significant gold exploration potential, as well as various dumps and stockpiles. Torian has recently undertaken sampling of these dumps and stockpiles and upon receiving results have decided to exercise the option. Upon settlement, which is to take place within 5 business days, the project will be held 100% by the Company with third parties holding various royalties on any future gold production.

2 Sampling Method

A large number of dumps and stockpiles were sampled at Bonnie Vale. A total of 384 samples were collected and assayed. This included samples collected for quality control purposes. The sampling was quite detailed, with most samples being collected on a 5m by 5m spacing.

As much of the material was discarded in the 1890s through to the First World War it is to be expected that the majority of the samples will be barren. However a small number of the dumps are in fact stockpiles and so it is also expected that there will be occasional high grades as well.

As the dumps vary significantly in size, shape and material, a systematic approach has been taken to determine the grade and volume of each area. The sampling was carried out using an auger drilling rig mounted on a four wheel drive vehicle. The number of holes drilled into each pile was dependant on the dimensions of the pile. Each hole was sampled separately then composited over the multiple holes to give an average of each dump. In the case of very large dumps the sampling was broken down into blocks resulting in up to five individual samples for the larger dumps.

The overall aim is to be as non-selective as possible to remove any sampling bias. The holes are drilled at approximately 90 degrees to the sides of each dump, and drilled

**ASX / MEDIA
ANNOUNCEMENT**

28 September 2018

ABN: 72 002 261 565

ASX CODE: TNR

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right through the dump/stockpile. Care is taken around areas of collapsed ground caused by the historical mining activities.

The samples are then submitted to the lab for routine fire assay gold determination.

During the sampling process, the coordinates of each dump are recorded along with an estimation of its volume. Notes are taken as to the colour, rock type and other physical characteristics of each dump. Generally, isolated small dumps are ignored for the sampling purposes.



Photo 1. Sampling at Bonnie Vale Project

Table 1 below list the details of the various samples submitted to date from Bonnie Vale.

The sampling at Bonnie Vale was carried out on P15/5305, which has a mining lease application covering the same area. The tenement is granted by the WA Department of Mines, Industry Regulation and Safety, with no unusual conditions attached to the grant of the tenement.

Table 1 Bonnie Vale Samples

Sample	E	N	Au g/t
TDS107	324618	6585753	2.05
TDS108	324612	6585750	0.07
TDS109	324601	6585754	0.20
TDS110	324608	6585749	0.00
TDS111	324602	6585751	0.05
TDS112	324605	6585756	2.40
TDS113	324600	6585757	0.58
TDS114	324596	6585757	0.39
TDS115	324592	6585757	0.30
TDS116	324587	6585758	0.18
TDS117	324586	6585762	1.00
TDS118	324581	6585760	0.45
TDS119	324577	6585763	0.08
TDS121	324575	6585766	0.05
TDS122	324571	6585770	0.10
TDS123	324564	6585776	0.06
TDS124	324564	6585778	0.08
TDS125	324560	6585783	0.03
TDS126	324556	6585788	0.06
TDS127	324552	6585791	0.04
TDS128	324551	6585795	0.25
TDS129	324545	6585799	0.07
TDS130	324544	6585802	0.03
TDS131	324541	6585808	0.01
TDS132	324538	6585799	0.03
TDS133	324542	6585792	0.16
TDS134	324538	6585793	0.06
TDS135	324534	6585792	0.03
TDS136	324527	6585795	0.07
TDS137	324522	6585796	0.04
TDS138	324515	6585795	0.18
TDS139	324511	6585793	0.46
TDS140	324505	6585792	0.14
TDS141	324500	6585790	0.27
TDS142	324496	6585792	0.12
TDS143	324494	6585799	0.15
TDS144	324498	6585797	0.17
TDS145	324504	6585798	0.22
TDS146	324509	6585798	0.17
TDS147	324514	6585799	0.06
TDS148	324519	6585799	0.06
TDS149	324524	6585799	0.04
TDS151	324530	6585798	1.78
TDS152	324497	6585801	0.21
TDS153	324502	6585802	0.10
TDS154	324507	6585803	0.08
TDS155	324514	6585804	0.05
TDS156	324518	6585805	0.05
TDS157	324547	6585804	0.04
TDS158	324547	6585807	0.03
TDS159	324546	6585811	0.02
TDS160	324550	6585814	0.08
TDS161	324556	6585817	0.02
TDS162	324554	6585814	0.04
TDS163	324552	6585809	0.01
TDS164	324552	6585804	0.02
TDS165	324552	6585799	0.05
TDS166	324553	6585794	0.35
TDS167	324562	6585817	0.38
TDS168	324565	6585814	1.63
TDS169	324561	6585812	0.03
TDS170	324560	6585808	0.00
TDS171	324558	6585804	0.03
TDS172	324560	6585799	0.15
TDS173	324560	6585794	0.03
TDS174	324560	6585790	0.06
TDS175	324561	6585786	0.38
TDS176	324569	6585764	0.07
TDS177	324572	6585760	0.45
TDS178	324571	6585755	2.54
TDS179	324571	6585752	0.05
TDS181	324570	6585746	0.25
TDS182	324567	6585742	0.91
TDS183	324563	6585740	0.07
TDS184	324561	6585736	0.01
TDS185	324561	6585731	1.01
TDS186	324577	6585757	0.08
TDS187	324583	6585754	0.25
TDS188	324587	6585753	0.53
TDS189	324594	6585752	0.20
TDS190	324595	6585749	0.25

TDS191	324613	6585748	0.06
TDS192	324609	6585744	1.22
TDS193	324605	6585741	0.07
TDS194	324599	6585739	0.44
TDS195	324595	6585736	0.11
TDS196	324595	6585738	2.56
TDS197	324595	6585745	0.49
TDS198	324590	6585736	0.67
TDS199	324589	6585741	0.19
TDS200	324591	6585746	0.16
TDS201	324591	6585753	0.17
TDS202	324586	6585736	0.20
TDS203	324586	6585741	0.15
TDS204	324587	6585745	1.11
TDS205	324588	6585750	0.10
TDS206	324580	6585735	0.07
TDS207	324583	6585739	0.06
TDS208	324583	6585744	0.11
TDS209	324578	6585737	0.08
TDS210	324579	6585741	0.04
TDS211	324537	6585806	0.40
TDS212	324602	6585940	0.86
TDS213	324606	6585942	0.94
TDS214	324611	6585944	0.81
TDS215	324615	6585947	1.05
TDS216	324620	6585950	0.89
TDS217	324625	6585954	0.53
TDS218	324630	6585957	0.31
TDS219	324630	6585964	0.61
TDS220	324622	6585961	0.70
TDS221	324616	6585958	0.78
TDS222	324611	6585956	0.95
TDS223	324608	6585952	0.82
TDS224	324603	6585952	0.72
TDS225	324598	6585949	0.78
TDS226	324594	6585957	0.94
TDS227	324599	6585958	0.62
TDS228	324603	6585959	0.79
TDS229	324608	6585961	0.68
TDS231	324613	6585963	0.92
TDS232	324618	6585966	0.67
TDS233	324625	6585968	0.70
TDS234	324623	6585977	0.56
TDS235	324616	6585974	0.67

TDS236	324610	6585971	1.15
TDS237	324605	6585969	0.55
TDS238	324600	6585966	0.49
TDS239	324596	6585963	0.51
TDS240	324591	6585961	1.03
TDS241	324588	6585966	1.11
TDS242	324594	6585967	0.85
TDS243	324597	6585970	1.03
TDS244	324603	6585972	0.92
TDS245	324608	6585979	1.28
TDS246	324614	6585977	1.25
TDS247	324619	6585981	1.24
TDS248	324698	6586006	1.15
TDS249	324691	6586014	1.41
TDS250	324692	6586020	1.37
TDS251	324688	6586030	1.18
TDS252	324683	6586033	1.30
TDS253	324680	6586022	1.24
TDS254	324675	6586020	1.92
TDS255	324674	6586014	1.43
TDS256	324683	6586011	1.54
TDS257	324681	6586004	1.62
TDS258	324684	6586002	1.40
TDS259	324690	6586002	1.42
TDS261	324691	6585994	1.56
TDS262	324673	6585977	1.30
TDS263	324669	6585972	1.66
TDS264	324660	6585964	1.30
TDS265	324654	6585968	1.84
TDS266	324645	6585992	2.23
TDS267	324642	6586018	1.50
TDS268	324645	6586025	2.72
TDS269	324632	6586028	1.77
TDS270	324638	6586035	2.01
TDS271	324634	6586042	1.59
TDS272	324630	6586051	0.95
TDS273	324629	6586016	1.32
TDS274	324638	6586043	1.78
TDS275	324625	6586059	1.32
TDS276	324629	6586065	0.92
TDS277	324635	6586066	1.93
TDS278	324649	6586089	1.25
TDS278	324658	6586093	1.25
TDS278	324667	6586096	1.25

TDS279	324675	6586097	1.81
TDS279	324680	6586089	1.81
TDS279	324682	6586078	1.81
TDS280	324673	6586077	1.79
TDS280	324668	6586008	1.79
TDS280	324662	6586084	1.79
TDS281	324691	6586078	1.00
TDS281	324696	6586078	1.00
TDS281	324702	6586076	1.00
TDS282	324712	6586068	1.05
TDS282	324714	6586061	1.05
TDS283	324753	6586050	2.49
TDS284	324747	6586041	1.35
TDS285	324739	6586034	1.35
TDS286	324731	6586043	1.86
TDS287	324711	6586035	1.21
TDS288	324730	6586019	1.76
TDS289	324722	6586011	2.19
TDS290	324712	6586017	1.20
TDS291	324710	6586027	2.16
TDS292	324794	6586021	1.38
TDS293	324794	6586009	1.88
TDS294	324762	6585977	1.51
TDS295	324759	6585972	1.10
TDS296	324728	6585968	1.57
TDS297	324728	6586006	1.36
TDS297	324720	6586005	1.36
TDS297	324716	6586005	1.36
TDS297	324712	6586005	1.36
TDS298	324709	6586004	1.14
TDS298	324704	6586005	1.14
TDS298	324700	6586006	1.14
TDS298	324696	6586005	1.14
TDS299	324696	6585987	1.88
TDS301	324679	6585992	1.84
TDS301	324674	6585983	1.84
TDS301	324668	6585988	1.84
TDS301	324664	6585994	1.84
TDS302	324661	6586000	1.61
TDS302	324660	6586008	1.61
TDS302	324658	6586016	1.61
TDS303	324665	6586025	1.60
TDS303	324668	6586032	1.60
TDS303	324668	6586040	1.60

TDS303	324669	6586049	1.60
TDS304	324686	6585986	1.79
TDS304	324681	6585977	1.79
TDS304	324679	6585967	1.79
TDS305	324673	6585979	1.55
TDS306	324671	6585962	1.27
TDS306	324671	6585955	1.27
TDS307	324681	6585924	1.33
TDS307	324674	6585916	1.33
TDS307	324672	6585909	1.33
TDS307	324673	6585899	1.33
TDS308	324690	6585924	1.22
TDS308	324690	6585911	1.22
TDS308	324687	6585898	1.22
TDS309	324665	6585890	1.39
TDS310	324659	6585891	1.73
TDS311	324655	6585897	4.92
TDS312	324590	6585917	0.78
TDS313	324510	6585788	0.01
TDS314	324514	6585789	0.00
TDS315	324521	6585791	0.00
TDS316	324526	6585791	0.00
TDS317	324530	6585790	0.00
TDS318	324535	6585787	0.00
TDS319	324540	6585789	0.01
TDS320	324547	6585791	0.00
TDS321	324550	6585787	0.00
TDS322	324553	6585784	0.00
TDS323	324557	6585778	0.24
TDS324	324561	6585774	0.30
TDS325	324564	6585767	0.26
TDS326	324566	6585763	0.14
TDS327	324566	6585756	0.18
TDS328	324566	6585751	0.17
TDS329	324565	6585746	0.17
TDS331	324561	6585739	0.21
TDS332	324557	6585734	0.14
TDS333	324558	6585729	0.39
TDS334	324561	6585724	0.08
TDS335	324563	6585737	0.41
TDS336	324571	6585742	0.17
TDS337	324583	6585746	0.04
TDS338	324596	6585736	3.88
TDS339	324596	6585740	12.40

TDS340	324596	6585745	2.19
TDS341	324598	6585750	1.84
TDS342	324599	6585732	0.55
TDS343	324600	6585740	4.39
TDS344	324605	6585735	1.37
TDS345	324609	6585736	0.96
TDS346	324607	6585733	0.37
TDS347	324606	6585740	1.03
TDS348	324602	6585743	2.58
TDS349	324610	6585746	6.81
TDS350	324609	6585749	0.39
TDS351	324614	6585749	1.18
TDS352	324614	6585752	2.74
TDS353	324606	6585748	2.37
TDS354	324602	6585749	5.54
TDS355	324586	6585765	0.02
TDS356	324580	6585766	0.08
TDS357	324572	6585772	0.18
TDS358	324568	6585779	0.05
TDS359	324567	6585785	0.06
TDS361	324565	6585793	0.43
TDS362	324564	6585800	0.17
TDS363	324565	6585808	0.03
TDS364	324566	6585813	0.27
TDS365	324559	6585817	0.26
TDS366	324554	6585813	0.07
TDS367	324545	6585809	0.04
TDS368	324547	6585802	0.88
TDS369	324545	6585805	0.21
TDS370	324543	6585810	0.13
TDS371	324537	6585802	0.61
TDS372	324535	6585799	0.00
TDS373	324530	6585799	0.09
TDS374	324535	6585802	0.02
TDS375	324531	6585802	0.07
TDS376	324526	6585803	0.13
TDS377	324519	6585808	1.35
TDS378	324526	6585806	0.11
TDS379	324530	6585808	0.19
TDS380	324532	6585809	0.09
TDS381	324535	6585810	0.05
TDS382	324522	6585810	0.04
TDS383	324524	6585811	0.00
TDS384	324528	6585812	0.04

TDS385	324529	6585812	0.07
TDS386	324554	6585823	0.45
TDS387	324549	6585821	0.41
TDS388	324548	6585820	0.22
TDS389	324542	6585822	0.42
TDS391	324540	6585817	0.05
TDS392	324539	6585819	0.11
TDS393	324536	6585817	0.05
TDS394	324532	6585815	0.17
TDS395	324509	6585811	0.02
TDS396	324503	6585810	0.03
TDS397	324498	6585807	0.06
TDS398	324494	6585806	0.14
TDS399	324506	6585811	0.07
TDS400	324515	6585812	0.35
TDS401	324518	6585821	2.13
TDS402	324525	6585823	0.41
TDS403	324531	6585818	0.19
TDS404	324533	6585821	1.45
TDS405	324540	6585823	0.07
TDS406	324544	6585825	0.33
TDS407	324553	6585829	0.14
TDS408	324558	6585829	0.61
TDS409	324562	6585826	1.00
TDS410	324567	6585821	1.32
TDS411	324576	6585820	3.98
TDS412	324579	6585818	1.99
TDS413	324579	6585810	0.34
TDS414	324586	6585806	0.66
TDS415	324579	6585803	0.07
TDS416	324585	6585801	0.14
TDS417	324587	6585794	0.36
TDS418	324592	6585795	0.58
TDS419	324599	6585790	0.44
TDS420	324600	6585806	1.57
TDS421	324605	6585805	2.46
TDS422	324611	6585803	3.20
TDS423	324595	6585751	0.93
TDS424	324607	6585816	4.48
TDS425	324603	6585795	3.36
TDS426	324592	6585812	3.05
TDS427	324608	6585788	3.07
TDS428	324610	6585766	0.38
TDS429	324619	6585759	0.15

TDS430	324625	6585749	0.05
TDS431	324618	6585747	0.06
TDS432	324622	6585735	0.06
TDS433	324620	6585731	0.94
TDS434	324611	6585729	0.11
TDS435	324604	6585730	0.02
TDS436	324600	6585728	0.03
TDS437	324594	6585725	0.00
TDS438	324585	6585723	0.05
TDS439	324564	6585709	0.28
TDS441	324560	6585710	0.52
TDS442	324557	6585709	0.24
TDS443	324553	6585709	0.14
TDS444	324551	6585708	0.24
TDS445	324547	6585706	0.43
TDS446	324546	6585701	0.39
TDS447	324543	6585700	0.44
TDS448	324540	6585701	0.31
TDS449	324538	6585701	0.12
TDS450	324535	6585702	0.40
TDS451	324534	6585700	0.35
TDS452	324530	6585701	0.27
TDS453	324529	6585699	0.58
TDS454	324526	6585699	0.68
TDS455	324524	6585697	0.66
TDS456	324521	6585697	0.22
TDS457	324520	6585697	0.24
TDS458	324517	6585698	0.46
TDS459	324514	6585698	0.57
TDS460	324512	6585698	0.21
TDS461	324510	6585698	0.22
TDS462	324508	6585697	0.59
TDS463	324504	6585696	0.16
TDS464	324551	6585712	0.08
TDS465	324539	6585718	0.80
TDS466	324530	6585714	1.34
TDS467	324526	6585711	0.27
TDS468	324514	6585713	0.04
TDS469	324514	6585706	0.03
TDS470	324510	6585707	0.03
TDS471	324506	6585713	0.05
TDS472	324500	6585717	0.10
TDS473	324494	6585726	0.06
TDS474	324494	6585732	0.05

TDS475	324492	6585735	0.39
TDS476	324491	6585739	0.08
TDS477	324486	6585746	0.36
TDS478	324489	6585755	1.24
TDS479	324487	6585763	0.33
TDS480	324491	6585771	0.22
TDS481	324476	6585734	0.07
TDS482	324481	6585742	0.04
TDS483	324471	6585742	0.02
TDS484	324458	6585766	7.74
TDS485	324454	6585770	2.27
TDS486	324443	6585769	2.61
TDS487	324440	6585775	0.25
TDS488	324435	6585781	14.50
TDS489	324440	6585830	1.93
TDS490	324441	6585876	2.06

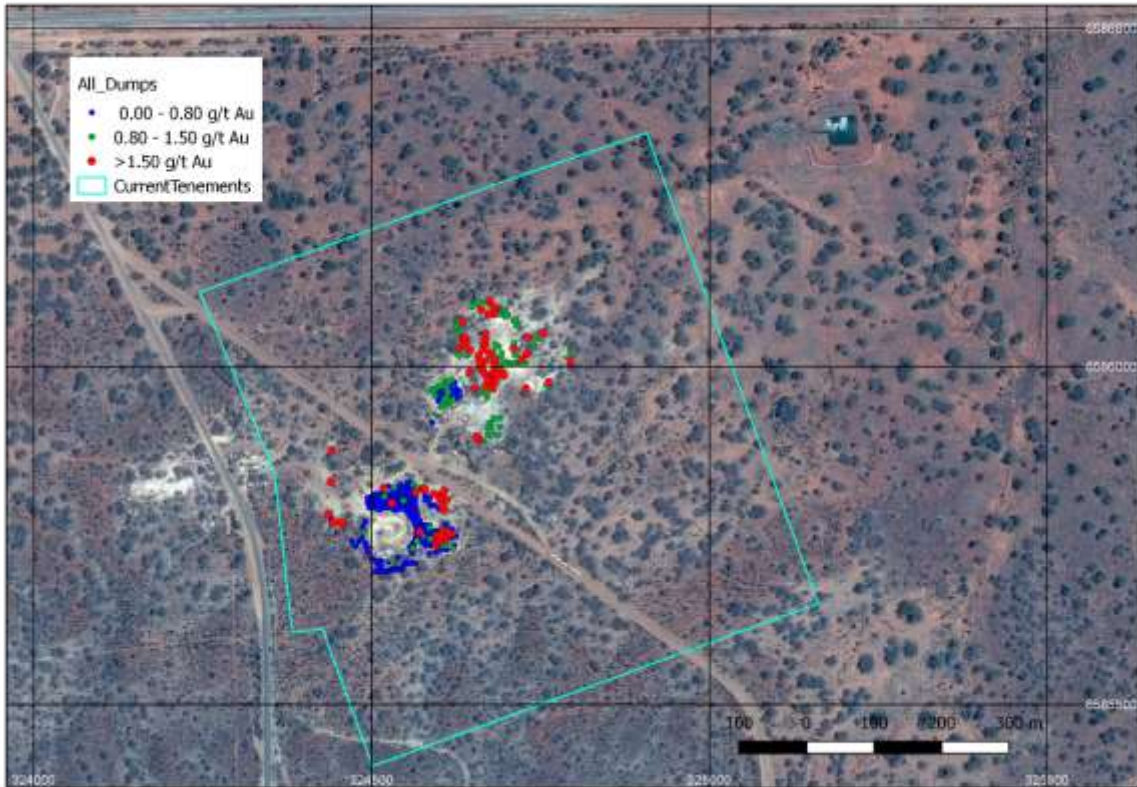


Figure 1. Map Showing the Locations of the Holes at the Bonnie Vale Project

Sampling is continuing on the Company's other projects. The aim is to define sufficient tonnages of material that may become a resource that could eventually be treated and produce gold.

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About Torian:

Torian Resources Ltd (ASX:TNR) is a highly active gold exploration and development company. The Company has amassed a large and strategic landholding comprising of eight projects and over 500km² of tenure located in the Goldfields Region of Western Australia.

Torian's flagship project, Zuleika, is located along the world-class Zuleika Shear. The Zuleika Shear is the fourth largest gold producing region in Australia and consistently produces some of the country's highest grade and lowest cost gold mines. Torian's Zuleika project lies north and partly along strike of several major gold deposits including Northern Star's (ASX:NST) 7.0Moz East Kundana Joint Venture and Evolutions (ASX:EVN) 1.8Moz Frogs Legs and White Foil deposits.

The Zuleika Shear has seen significant corporate activity of late with over A\$1 Billion worth of acquisition in the region by major mining companies. Torian's Zuleika project comprises approximately 223km² of tenure making Torian one of the largest landholder in this sought after region.

Last year Torian drilled 59,345m for a total of 1,319 holes across its projects. The large drilling campaign tested 26 exploration targets and, importantly, made four gold discoveries making Torian one of the most active gold explorers on the ASX.

Competent Person:

Information in this report pertaining to mineral resources and exploration results was compiled by Mr MP Sullivan who is a member of Aus.I.M.M. Mr Sullivan is the chief geologist of Jemda Pty Ltd, consultants to the company. Mr Sullivan has sufficient experience which is relevant to the style of mineralisation and the type of deposit that is under consideration and to the activity that he is undertaking to qualify as a competent person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Sullivan 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 Dump Sampling

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"> Samples were collected via auger drill chips. All drilling yielded samples on a hole basis. Several holes were drilled into each dump and the samples were composited into intervals of 0.5 to 5m, depending on the height of each dump, from which approx. 2-3 kg is pulverised to produce a 50 g charge for fire assay. Sample preparation method is total material dried and pulverized to nominally 85% passing 75 µm particle size. Gold analysis method was by 50g Fire Assay. Samples exceeding the upper limit of the method were automatically re-assayed utilizing a high grade gravimetric method.
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"> The auger holes were typically 75mm in diameter.
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"> Recoveries were logged onto paper logs during drilling. Recoveries were visually assessed. Sample recoveries were maximised in the auger drilling via collecting the samples at the collar of each hole. Several holes were drilled into each dump to obtain a representative sample for each individual dump. No relationship appears from the data between sample recovery and grade of the samples.
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 studies. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. The total length and percentage of the relevant intersections logged. 	<ul style="list-style-type: none"> All holes were geologically logged. This logging appears to be of high quality and suitable for use in further studies. Logging is qualitative in nature. All samples / intersections are logged. 100% of relevant length intersections are logged.

Criteria	JORC Code explanation	Commentary
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> • If core, whether cut or sawn and whether quarter, half or all core taken. • If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. • For all sample types, the nature, quality and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. • 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. • Whether sample sizes are appropriate to the grain size of the material being sampled. 	<ul style="list-style-type: none"> • Non-core drill chip auger sample material is tube sampled, all samples were dry. • The sample preparation technique is total material dried and pulverized to nominally 85% passing 75 µm particle size, from which a 50g charge was representatively riffle split off, for assay. • Standard check (known value) sample were used in used in the recent drilling. Where used the known values correspond closely with the expected values. A duplicate (same sample duplicated) were commonly inserted for every 20 or 30 samples taken. • The sample size is industry standard and appears suitable for the current programme.
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"> • The methods used by the lab ensure a total assay. The lab used is internationally accredited for QAQC in mineral analysis. • No geophysical tools have been used. • The laboratories inserted blank and check samples for each batch of samples analysed and reports these accordingly with all results.
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"> • Selected significant intersections were resampled from original remnant sample material and analysed again. • No twinned holes have been used to date. • Documentation of primary data is field log sheets (hand written). Primary data is entered into application specific data base. The data base is subjected to data verification program, erroneous data is corrected. Data storage is retention of physical log sheet, two electronic backup storage devices and primary electronic database.
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"> • Survey control used is hand held GPS. No down hole surveys were completed to date. As these areas contain drillholes to no more than 5m significant deviations are not expected. • Grid system is MGA coordinates. • Topographic control is assumed as the areas are generally quite flat.
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"> • The drill spacing is highly variable but generally no greater than 2m by 4m, with some areas infilled to 1m by 3m. • The areas have drilling density sufficient for JORC Inferred category. Further infill will be required for other categories. • Sample compositing was used in all holes for each dump.
Orientation of data in relation	<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 	<ul style="list-style-type: none"> • The orientation of the drilling is approximately at right angles to the sides of each dump and so gives a fair representation of the mineralisation intersected. • No sampling bias is believed to occur due to the orientation of the drilling.

Criteria	JORC Code explanation	Commentary
to geological structure	be assessed and reported if material.	
Sample security	<ul style="list-style-type: none"> The measures taken to ensure sample security. 	<ul style="list-style-type: none"> Samples were delivered to the laboratory in batches at regular intervals. These are temporarily stored in a secure facility after drilling and before delivery
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"> The company engages independent consultants who regularly audit the data for inconsistencies and other issues. None have been reported to date.

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 details relating to the tenements are located in the Tenement Status section of this report. The tenement status is described elsewhere in this report.
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"> No sampling of dumps has been undertaken by any other parties.
Geology	<ul style="list-style-type: none"> Deposit type, geological setting and style of mineralisation. 	<ul style="list-style-type: none"> The geology of each area is widely different. The dumps are representative of material discarded by historic mining activities that date back to the 1890s. The main similarity of the dumps is the oxide nature of them. Rocktypes include basalt, ultramafics, and dolerite. Variable amounts of quartz and ironstone are present in the dumps.
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 metres) of the drill hole collar dip and azimuth of the hole down hole length and interception depth 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. 	<ul style="list-style-type: none"> Details of the drilling, etc are found within the various tables and diagrams elsewhere in this report. No material information, results or data have been excluded.
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 	<ul style="list-style-type: none"> No weighted averages are reported. Results reflect the raw data from each hole. Sample intervals are highly variable. No cuts were applied. No aggregations of higher grade mineralisation have been used.

Criteria	JORC Code explanation	Commentary
	<p><i>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.</i></p> <ul style="list-style-type: none"> • <i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i> 	<ul style="list-style-type: none"> • No metal equivalent values are used
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"> • All results in this report reflect the raw data <ul style="list-style-type: none"> • The tables above show drill widths not true widths. However the holes were oriented in such a way as to approximate true 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 plan view of drill hole collar locations and appropriate sectional views.</i> 	<ul style="list-style-type: none"> • Details of drilling are given elsewhere in this 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"> • Details of the results, drilling, etc are reported elsewhere in this report.
Other substantive exploration data	<ul style="list-style-type: none"> • <i>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.</i> 	<ul style="list-style-type: none"> • Details of the drilling are given elsewhere in this report.
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"> • Proposed work included drilling of additional holes and more detailed sampling as well as surveying of the dumps. The aim of such work is to increase confidence in the data and also to test for extensions to the known resources. Budgets are being prepared for this work at present. • These sample results reflect the entire dumps on the tenements and there is no possible extensions. • Various maps and photos diagrams are presented elsewhere in this report to highlight the nature of the dumps.