

## ASX Announcement

# OUTSTANDING RESULTS HIGHLIGHT POTENTIAL OF JUBILEE REEF GOLD JOINT VENTURE IN TANZANIA

*Broad widths of mineralisation intersected with best hit of 8m @ 7.45g/t gold*

## Highlights

### *Best RC Intersections from maiden drilling program*

- JBRR018 28m @ 3.02g/t gold from 40m, *including*  
8m @ 7.45g/t gold from 56m
- JBRR019 40m @ 1.19g/t gold from 8m
- JBRR024 28m @ 2.8g/t gold from 72m, *including*  
8m @ 5.1g/t gold from 72m
- JBRR025 12m @ 2.3g/t gold from 40m

### *RAB Intersections*

- JLRB488 22m @ 1.3g/t gold from 8 - 30m (EOH), *including*  
12m @ 2.21g/t gold from 8m
- JLRB498 29m @ 0.75g/t gold from 8 - 37m (EOH)
- JLRB499 33m @ 0.62g/t gold from 4 - 37m (EOH), *including*  
8m @ 1.74g/t gold from 8m
- JLRB523 15m @ 0.75g/t gold from 24 - 39m (EOH), *including*  
8m @ 1.1g/t gold from 28m
- JLRB528 16m @ 0.70g/t gold from 16 - 32m (EOH), *including*  
4m @ 1.2g/t gold from 28m (EOH)

*(NB: all assays reported are 4metre composite samples)*

Liontown Resources Limited (ASX: LTR) is pleased to report that results from the Company's maiden drilling program at its Jubilee Reef JV in Tanzania, East Africa (*see Figure 1*) indicate potential for the Project to host large-scale gold deposits with significant widths and grades of mineralisation intersected.

A program comprising approximately 4,000m RC and RAB drilling was undertaken at three gold prospects (*see Figure 2*) and was designed to test beneath and along strike of previously reported shallow gold intersections (see ASX announcements dated 25<sup>th</sup> January and 27<sup>th</sup> January 2011).

Better intersections are listed above and results for all holes for which assays have been received are appended. Assay results are still pending for one RC hole drilled into the Shangaza/Panapendesa gold target and for 12 RC holes drilled into iron targets located in the eastern part of the Project area.

Holes JBRR018 and JBRR019 were drilled at the Masabi Hill prospect (*see Figure 3*) and confirm the down dip extension of extensive gold mineralisation intersected in previous shallow RAB holes (*see Figures 4 and 5*). The mineralisation remains open along strike to the east and at depth.

Holes JBRR024 and JBRR025 were drilled at the Shangaza/Panapendesa prospect (*see Figures 2 and 6*). JBRR024 was drilled approximately 50m down dip of a previous intersection of 19m at 3.6g/t gold reported at the bottom of a RAB hole JLRB126 (*see Figure 7*) while JBRR025 was drilled approximately 100m along strike to the north-east. The mineralisation remains open along strike to the east and at depth.

The RAB drilling was undertaken at the Masabi Hill prospect (*see Figure 3*) to test for extensions of a large, 150x500m, east-west trending gold geochemical anomaly which had been partially defined by previous soil sampling and RAB drilling.

The gold mineralisation at Masabi Hill is hosted by a strongly altered granitic intrusion and the recent RAB drilling program was also designed to intersect the previously untested contact with the adjacent greenstone lithologies.

Results from the RAB drilling confirm that strong gold anomalism (>0.1g/t) extend eastwards beneath shallow transported cover for at least another 350m from the previously defined mineralised zone. The latest results are of similar magnitude as that recorded by previous RAB drilling up dip of the intersections in JBRR018 and JBRR019 referred to above (*see Figures 4 and 5*).

Significantly the results in JLRB483, JLRB0498 and JLRB499 (*see Figure 3*) confirm the potential of granite contact zone to host economic gold mineralisation. The granite contact, which geophysics indicates is at least 3km long on the JV area, is completely covered by shallow transported soil and has only been intersected by the single RAB traverse drilled by Liontown.

Commenting on the results, Liontown's Managing Director, Mr David Richards, said *"These are very exciting results for a maiden drilling program and highlight the potential for a major gold system, particularly at Masabi Hill. More RAB drilling is needed to define the extent of the gold anomalism at Masabi Hill as well as diamond core drilling to get a better handle on what is controlling mineralisation. We will then need an RC rig to work out the real size of the system. This work will start as soon as all assay results are received (including 1m splits of composite samples) and suitable drill rigs can be secured."*

Liontown entered into the Jubilee Reef JV Project with Canadian company Currie Rose Resources Ltd (TSX.V: CUI) at the beginning of 2011. Liontown has the right to earn up to 75% equity in the Project which is located in the Lake Victoria Goldfield (*see Figure 1*), an Archaean greenstone-granite terrain similar to the Eastern Goldfields of W.A.

Several multi-million ounce gold deposits are currently being mined in the region including Bulyanhulu and Geita.

#### **About Liontown**

Liontown is exploring for standalone mineral deposits in northern Queensland and northern Tanzania, East Africa. In Australia, the Company's strategy is to acquire and explore 100%-owned, early-stage projects in under-explored but well endowed mineral provinces. Overseas, where acquisition costs are higher, Liontown's preference is to enter into joint ventures where drill targets have already been defined. The Company continues to actively assess other opportunities in Australia and overseas.



DAVID RICHARDS  
Managing Director  
10 October 2011

The information in this report that relates to Exploration Results is based on information compiled by Mr David Richards, a full time employee of Liontown Resources Limited, who is a Member of the Australian Institute of Geoscientists. Mr Richards has sufficient experience in the field of activity being reported to qualify as a Competent Person as defined in the 2004 edition of the Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves, and consents to the release of information in the form and context in which it appears here.

#### **For further information, please contact:**

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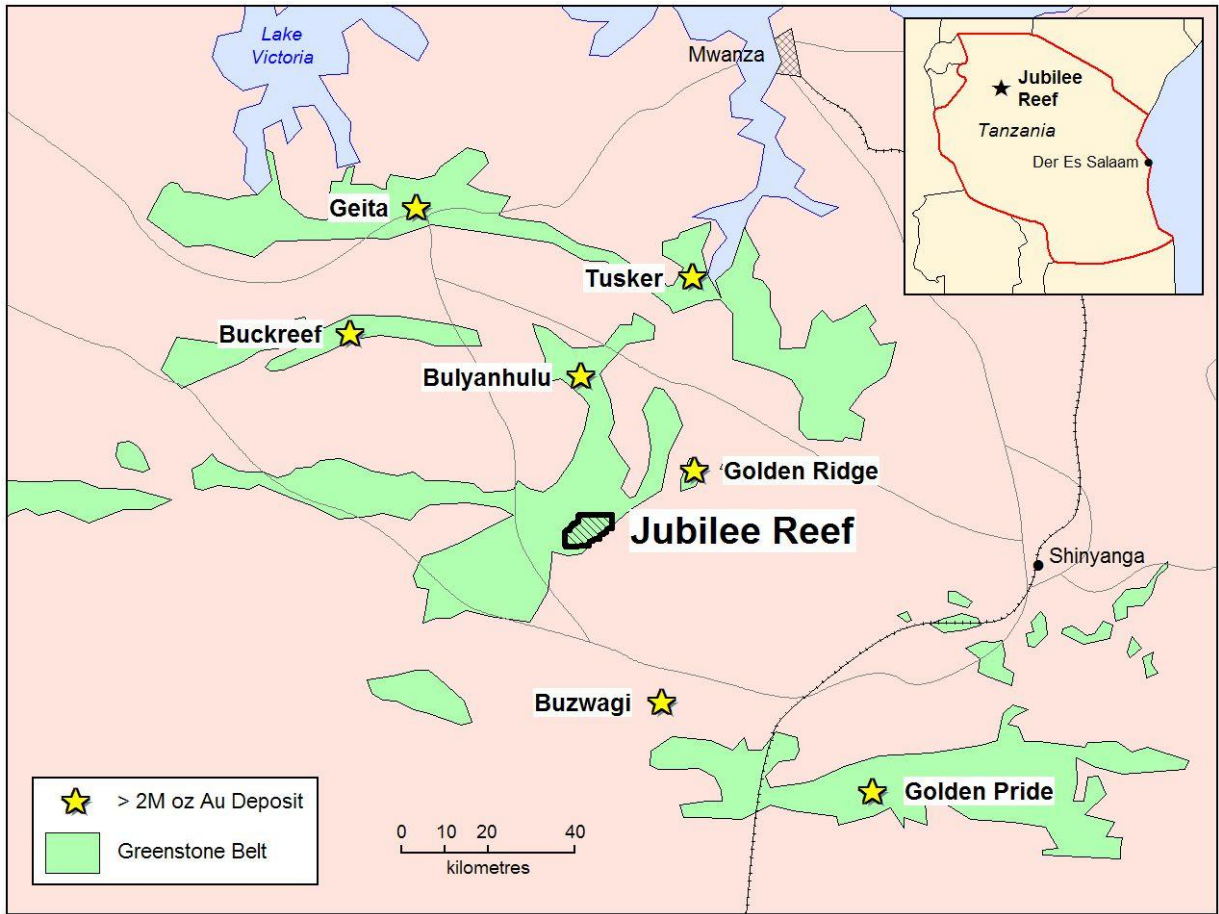


Figure 1: Regional Geological Setting of Jubilee Reef Joint Venture Project in Northern Tanzania

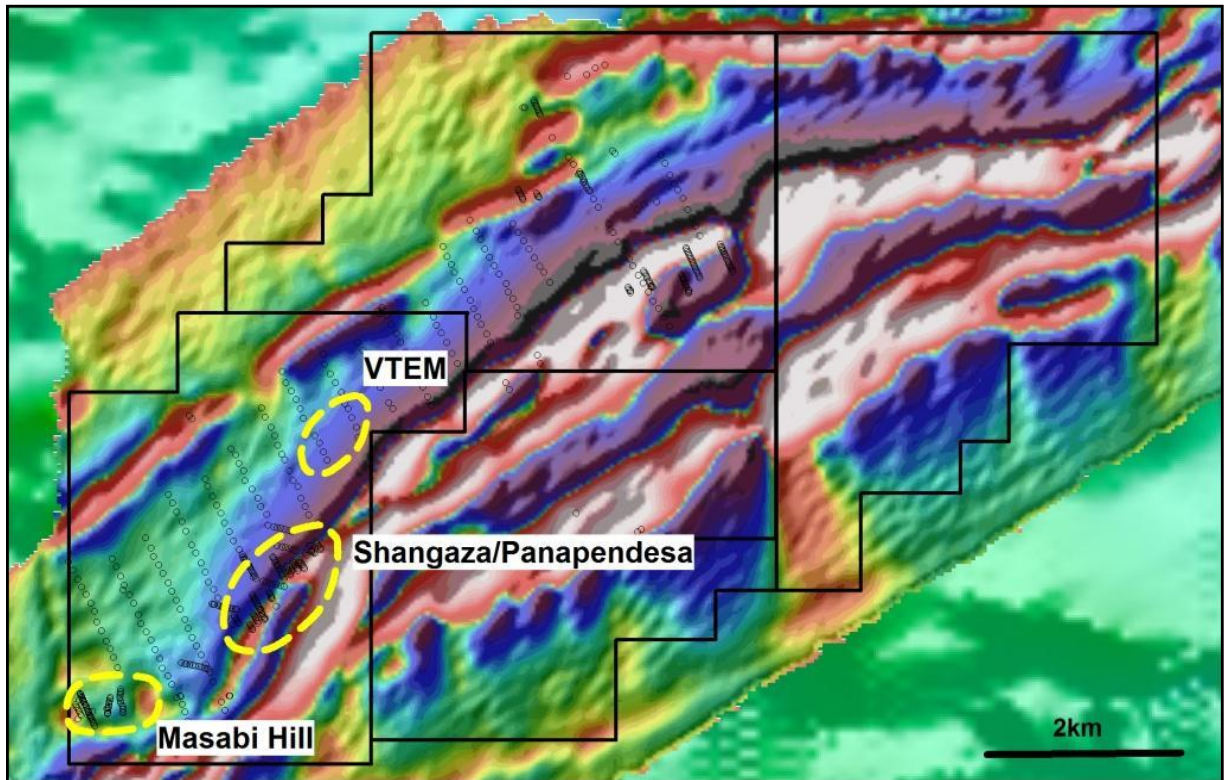


Figure 2: Jubilee Reef Joint Venture Project – Magnetic image showing gold targets tested by drilling program

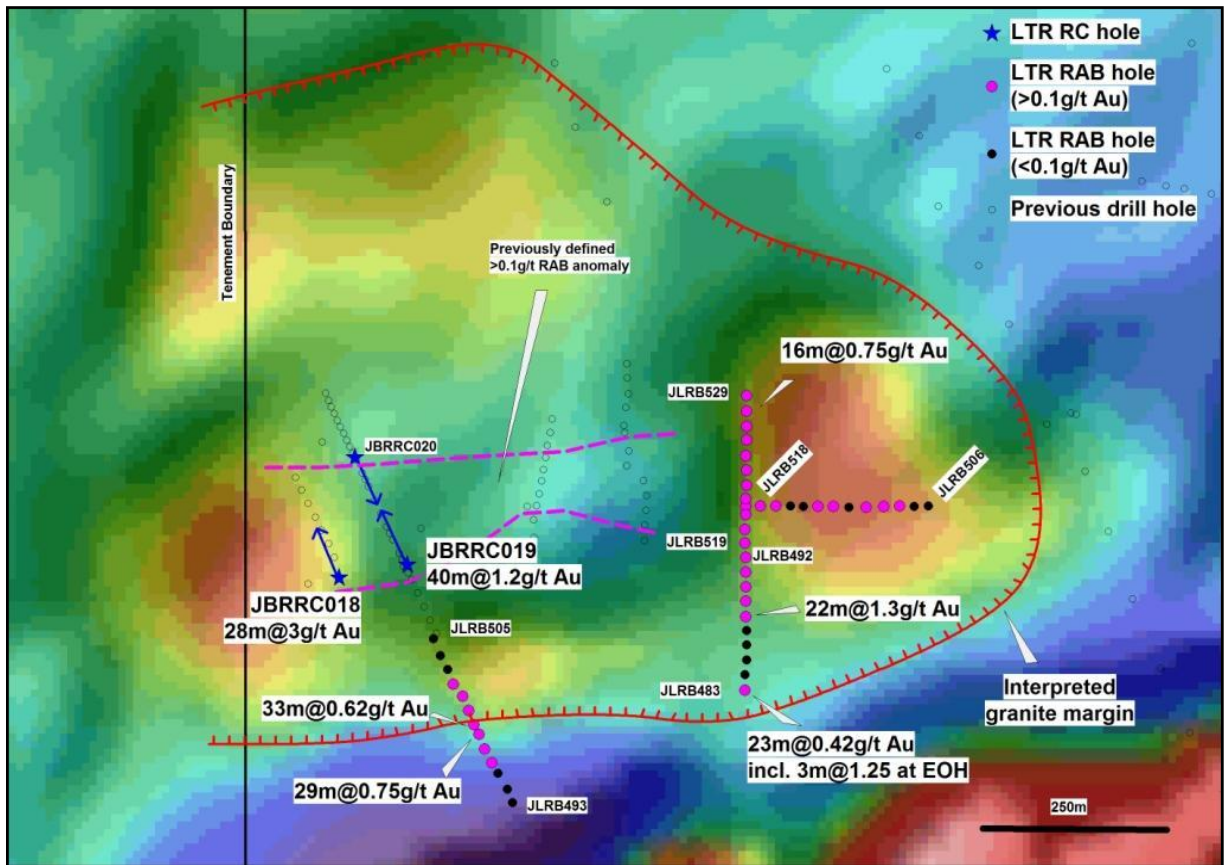


Figure 3: Masabi Hill Prospect – Magnetic image showing recent drilling and anomalous gold results

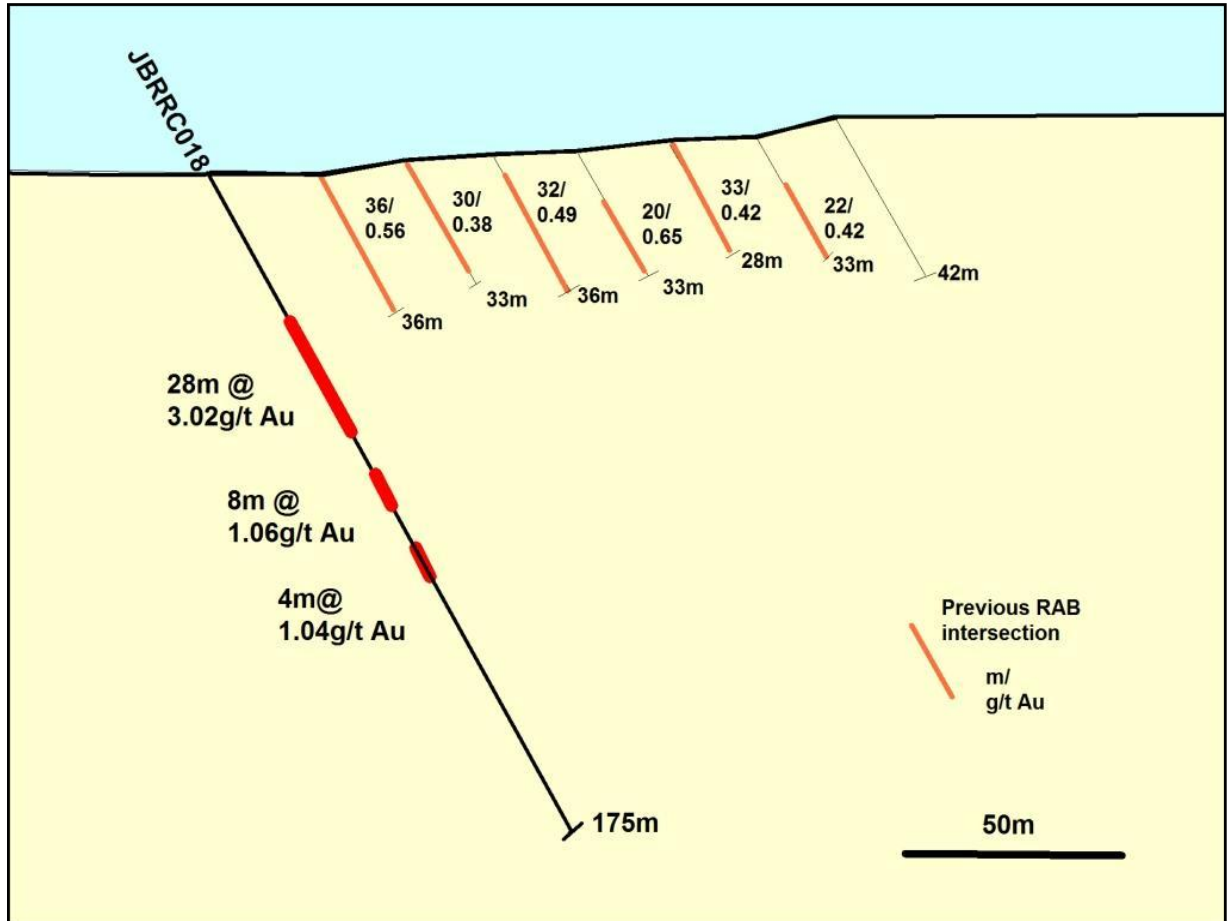


Figure 4: Masabi Hill Prospect – Drill section showing RC hole JBRR018

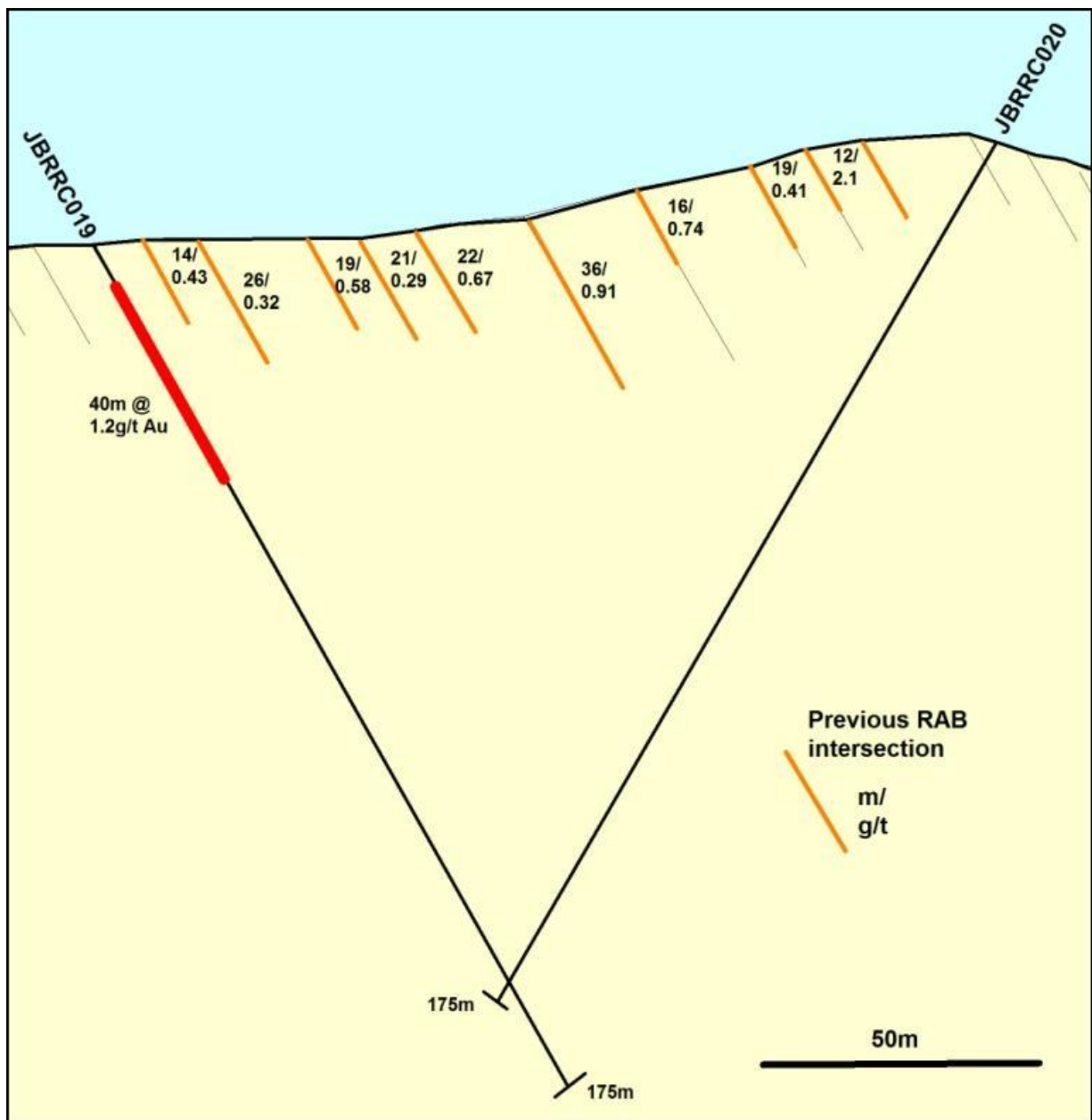


Figure 5: Masabi Hill Prospect – Drill section showing RC hole JBRR018

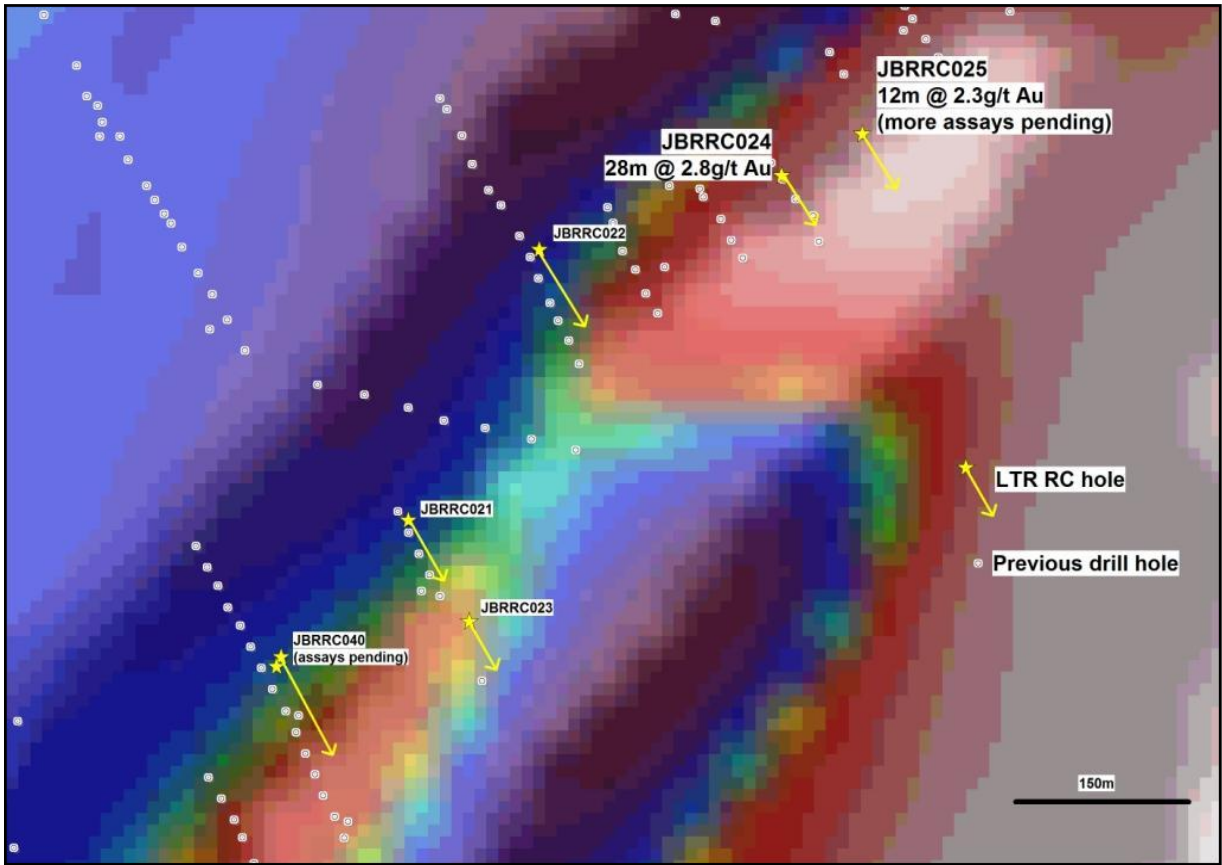


Figure 6: Shangaza-Panapendesa Prospect – Magnetic image showing recently completed drilling

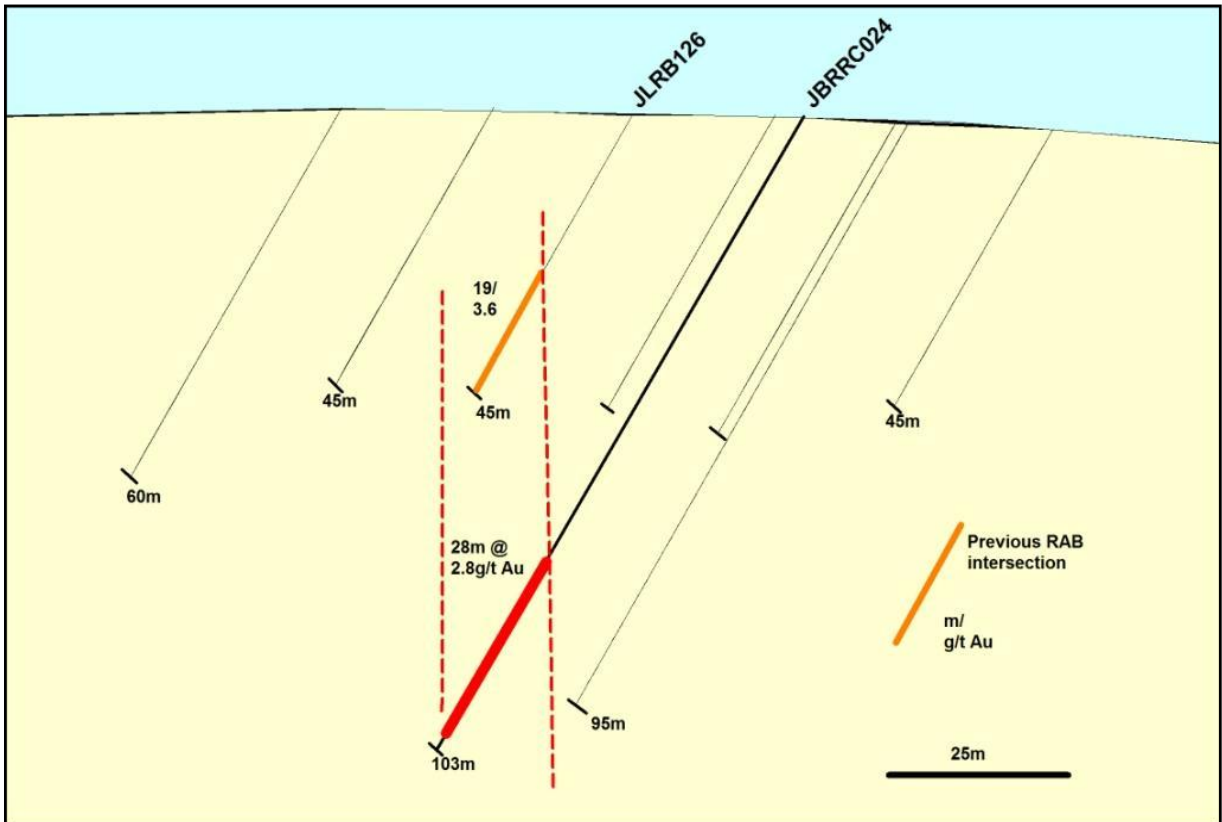


Figure 7: Shangaza-Panapendesa Prospect – Drill section showing RC hole JBRR024

Appendix 1: RC Drilling - Significant (>0.5g/t) Gold Results

Hole ID	Prospect	East	North	RL	Dip	Azimuth	Depth	Significant (>0.5g/t) Gold Intersections*							
								From (m)	To (m)	Interval(m)	Grade (g/t)				
JBRRC018	MASABI	9042	16254	1244	-60	335	175	4	8	4	0.99				
								16	28	12	0.86				
								<b>40</b>	<b>68</b>	<b>28</b>	<b>3.02</b>				
								<b>including 8m @7.45g/t Au from 56m</b>							
								72	76	4	0.76				
								80	88	<b>8</b>	<b>1.06</b>				
								100	104	4	1.04				
								136	144	8	0.89				
								152	156	4	0.62				
JBRRC019	MASABI	9136	16272	1245	-60	335	175	164	168	4	1.05				
								0	4	4	0.53				
								<b>8</b>	<b>48</b>	<b>40</b>	<b>1.19</b>				
								60	64	4	0.62				
JBRRC020	MASABI	9064	16418	1256	-60	155	175	96	100	4	0.79				
								40	44	4	0.79				
								80	84	4	0.96				
								128	132	4	2.6				
JBRRC021	SH_PN	10963	17520	1294	-60	155	121	All<0.5g/t Au							
								All<0.5g/t Au							
JBRRC022	SH_PN	11075	17750	1294	-60	155	157	All<0.5g/t Au							
JBRRC023	SH_PN	11015	17434	1308	-60	155	101	All<0.5g/t Au							
JBRRC024	SH_PN	11282	17813	1326	-60	155	103	<b>72</b>	<b>100</b>	<b>28</b>	<b>2.8</b>				
								<b>including 8m @ 5.1g/t Au from 72m</b>							
								<b>and 8m @ 3.8g/t Au from 92m</b>							
JBRRC025	SH_PN	11351	17848	1349	-60	155	110	<b>40</b>	<b>52</b>	<b>12</b>	<b>2.3</b>				
JBRRC026	SH_PN	10854	17404	1287	-60	155	103	Hole abandoned - redrilled as JBRRC040							
JBRRC027	VTEM	11581	19141	1296	-60	315	151	All<0.5g/t Au							
JBRRC028	IRON	16330	11316	1464	-60	150	49	Iron ore targets - assays pending							
JBRRC029	IRON	16367	11223	1460	-60	150	43								
JBRRC030	IRON	19496	10965	1435	-60	180	121								
JBRRC031	IRON	19503	11028	1450	-60	180	73								
JBRRC032	IRON	19501	11068	1453	-60	180	31								
JBRRC033	IRON	19501	11152	1464	-60	180	43								
JBRRC034	IRON	19501	11128	1466	-60	180	31								
JBRRC035	IRON	19501	11115	1456	-60	180	33								
JBRRC036	IRON	19501	11098	1456	-60	180	31								
JBRRC037	IRON	19501	11084	1464	-60	180	14								
JBRRC038	IRON	19501	11077	1455	-60	180	24								
JBRRC039	IRON	16442	11042	1422	-60	150	175								
JBRRC040	SH_PN	10850	17396	1307	-60	155	175					Assays pending			

\* All assays from 4m composite sampling of 1m intervals

Appendix 2: RAB Drilling - Significant (>0.1g/t) Gold Results

Hole ID	Prospect	East	North	RL	Dip	Azimuth	Depth	Significant (>0.1g/t) Gold Intersections*				E.O.H
								From (m)	To (m)	Interval(m)	Grade (g/t)	
JLRB483	MASABI	9599	16100	1240	-60	360	39	16	39	23	0.42	✓
including 3m @1.25g/t Au at E.o.H												
JLRB484	MASABI	9599	16121	1240	-60	360	39	All <0.1g/t				
JLRB485	MASABI	9601	16141	1241	-60	360	39	All <0.1g/t				
JLRB486	MASABI	9601	16162	1241	-60	360	40	All <0.1g/t				
JLRB487	MASABI	9601	16181	1235	-60	360	34	All <0.1g/t				
JLRB488	MASABI	9600	16200	1237	-60	360	30	8	30	22	1.3	✓
including 12m @2.21g/t Au from 8m												
JLRB489	MASABI	9600	16221	1236	-60	360	37	4	20	16	0.16	
JLRB490	MASABI	9600	16241	1246	-60	360	40	4	40	36	0.22	✓
JLRB491	MASABI	9600	16261	1237	-60	360	21	16	20	4	0.12	
JLRB492	MASABI	9600	16281	1239	-60	360	18	4	16	12	0.49	
JLRB493	MASABI	9280	15947	1249	-60	335	40	All <0.1g/t				
JLRB494	MASABI	9273	15965	1252	-60	335	40	All <0.1g/t				
JLRB495	MASABI	9260	15987	1238	-60	335	40	All <0.1g/t				
JLRB496	MASABI	9252	16001	1251	-60	335	37	4	32	28	0.34	
JLRB497	MASABI	9242	16020	1250	-60	335	40	12	36	24	0.22	
JLRB498	MASABI	9234	16040	1251	-60	335	37	8	37	29	0.75	✓
including 4m @ 1.6g/t from 8m												
and 4m @ 1.5g/t Au from 24m												
JLRB499	MASABI	9227	16053	1253	-60	335	38	4	37	33	0.62	✓
including 8m @ 1.74g/t Au from 8m												
JLRB500	MASABI	9220	16072	1245	-60	335	35	8	16	8	0.12	
JLRB501	MASABI	9212	16092	1235	-60	335	37	8	16	8	0.24	
JLRB502	MASABI	9199	6108	1249	-60	335	28	8	16	8	0.1	
JLRB503	MASABI	9191	16128	1245	-60	335	22	All <0.1g/t				
JLRB504	MASABI	9181	16147	1248	-60	335	28	All <0.1g/t				
JLRB505	MASABI	9172	16170	1247	-60	335	40	All <0.1g/t				
JLRB506	MASABI	9850	16351	1234	-60	270	32	All <0.1g/t				
JLRB507	MASABI	9831	16350	1241	-60	270	22	All <0.1g/t				
JLRB508	MASABI	9811	16351	1240	-60	270	39	20	32	12	0.21	
JLRB509	MASABI	9789	16350	1241	-60	270	39	24	28	4	0.13	
JLRB510	MASABI	9765	16349	1237	-60	270	36	28	36	8	0.22	✓
JLRB511	MASABI	9741	16349	1240	-60	270	40	All <0.1g/t				
JLRB512	MASABI	9720	16350	1242	-60	270	40	36	40	4	0.11	✓
JLRB513	MASABI	9699	16350	1236	-60	270	40	20	24	4	0.37	
JLRB514	MASABI	9679	16350	1237	-60	270	40	All <0.1g/t				
JLRB515	MASABI	9661	16351	1231	-60	270	39	All <0.1g/t				
JLRB516	MASABI	9641	16351	1241	-60	270	40	28	40	12	0.24	✓
JLRB517	MASABI	9620	16351	1239	-60	270	34	28	34	6	0.13	✓
JLRB518	MASABI	9600	16350	1237	-60	270	40	32	40	8	0.33	✓
JLRB519	MASABI	9599	16300	1243	-60	360	40	20	32	12	0.35	
JLRB520	MASABI	9599	16319	1235	-60	360	33	28	32	4	0.28	
JLRB521	MASABI	9600	16339	1238	-60	360	31	16	31	15	0.27	✓
JLRB522	MASABI	9600	16361	1258	-60	360	40	36	40	4	0.2	✓
JLRB523	MASABI	9601	16379	1238	-60	360	39	24	39	15	0.75	✓
including 8m @1.1g/t Au from 28m												
JLRB524	MASABI	9601	16400	1234	-60	360	37	24	28	4	0.26	
JLRB525	MASABI	9600	16419	1242	-60	360	27	12	27	15	0.27	✓
JLRB526	MASABI	9601	16441	1235	-60	360	40	16	40	24	0.29	✓
JLRB527	MASABI	9601	16459	1236	-60	360	35	20	35	15	0.25	✓
JLRB528	MASABI	9601	16480	1237	-60	360	32	16	32	16	0.7	✓
including 4m @1.2g/t Au at E.o.H												
JLRB529	MASABI	9601	16501	1239	-60	360	30	16	30	14	0.45	✓

\* All assays from 4m composite sampling of 1m intervals