6 November 2019

Juruena drilling extends high grade to depth & discovers zone of porphyry style gold-copper

Highlights

- **JUDD009** intersected **1.2m @ 45.83g/t Au** from 248.9m at the base of the high-grade epithermal **Dona Maria** resource (**88,000 oz Au @ 12.7g/t Au**, JORC 2012)
- **JUDD009** confirms high-grade gold mineralisation at **Dona Maria** is open at depth and deeper drilling is planned to extend epithermal gold mineralisation below the high-grade resource
- **JUDD010** intersected a thick zone of gold-copper mineralisation at **Crentes Prospect**, immediately adjacent to Dona Maria
    - **54.3m @ 1.33g/t Au** and **0.23% Cu** from 171m including:
        - ✓ **12.0m @ 4.54g/t Au** and **0.25% Cu** from 178.5m;
- Gold-Copper mineralisation at Crentes in JUDD010 raises the potential for additional gold-rich porphyry discoveries across the entire Juruena project
- **JUDD011** also intersected the up-dip extension of the Au-Cu porphyry mineralisation intersected in JUDD010 at Crentes (assays pending)
- Second drill rig mobilised to Novo Astro, with first assay results due in late November

Meteoric Resources NL (**ASX: MEI**) ("the Company") is pleased to announce that the latest assays have been received from drill holes JUDD009 and 010 during Meteoric's maiden drill program at the 100% owned Juruena Gold Project in Brazil. The new drill results highlight both a deep high-grade epithermal gold intercept together with an entirely separate style of porphyry hosted gold-copper mineralisation which is interpreted as part of a larger gold-rich copper porphyry system.

Managing Director Andrew Tunks said: *"I couldn't be happier to report that JUDD009 has confirmed high-grade gold mineralisation at Dona Maria is open at depth, as our structural models suggested. This hole intersected high-grade gold at the base of the current resource, deeper than any historic drilling and has allowed us to plan follow-up deep drilling that if successful could significantly increasing this resource.*

The gold-copper mineralisation in JUDD010 and JUDD011 (awaiting assays) is incredibly exciting and builds on our belief that the high-grade prospects like Dona Maria and Querosene are epithermal gold deposits related to a proximal porphyry Au-Cu system. This intercept opens a new and exciting exploration opportunity for Meteoric and the geology team are working hard to understand the real potential of this Au-Cu mineralisation before planning further drilling, with the high-grade gold lodes remaining the focus of drilling for the completion of this program at Juruena.

Novo Astro exploration is ongoing and drilling will now ramp up with a second GEOSOL rig having mobilised to the project and first assay results expected in late November."

More high-grade gold at depth in Dona Maria (JUDD009)

JUDD009 intersected **1.2m @ 45.83g/t Au** [from 249m] within a much broader zone (5m) of strong green sericitic (phengite) alteration plus disseminated pyrite within a potassic-halo, similar to that seen in other high-grade portions of the Dona Maria epithermal deposit (Figure 1 & Table 1).

The high-grade gold intercept in JUDD009 is significant as it confirms the Dona Maria structure, along with alteration and mineralisation continues all the way to the base of the current resource (**88,000 oz Au @ 12.7g/t Au**, JORC 2012). JUDD009 is the deepest hole at Dona Maria and planning is underway to test below JUDD009 during the current drill program.

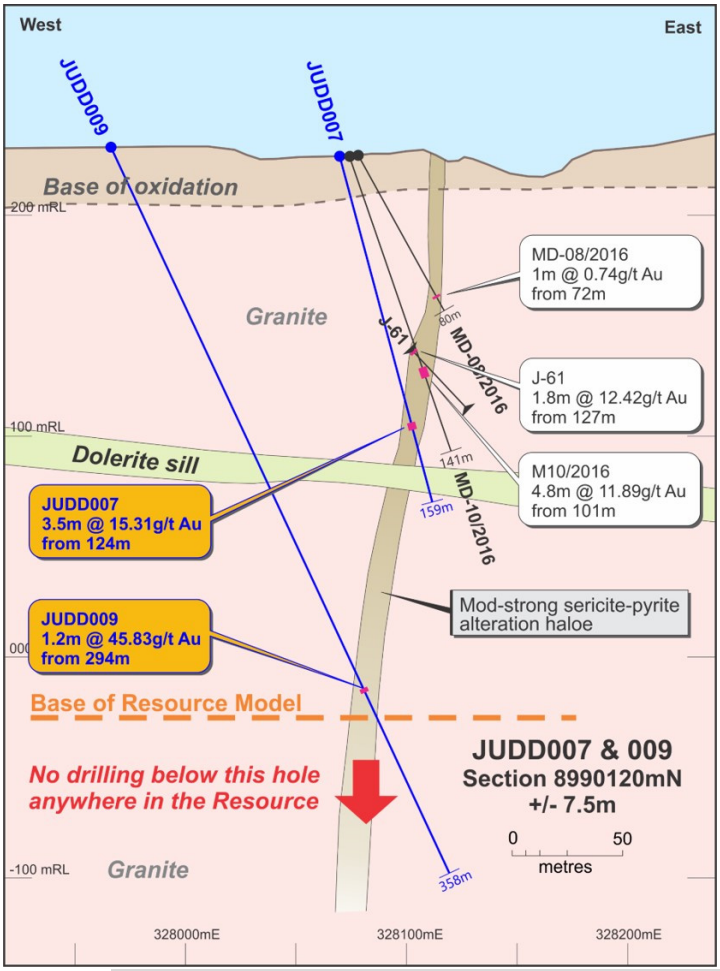

Figure 1. *Section 8990120m N: Showing mineralised intercept in JUDD009 at the base of the Resource.*
Mineralisation is completely open at depth with no other drill holes at or below the level of JUDD009.

Large gold-copper intercept at Crentes (JUDD010 and JUDD011)

Drill holes JUDD010 and JUDD011 (awaiting assay) targeted the southern end of Dona Maria, towards the Juruena Fault and were designed to pass into the Crentes target. Hole 010 intercepted a thick package (~60m) of variably altered sulphide-rich gold-copper porphyry style mineralisation (Figure 2 and Tables 1 & 2).

The copper-gold intercept of **54.25m @ 1.33g/t Au & 0.23% Cu** [from 170.7m] is the first copper-gold mineralisation Meteoric have intersected and is the widest copper zone drilled so far on the project. This porphyry style gold-copper zone comprises a broad alteration zone cut by a stock-work of quartz, pyrite, chalcopyrite veins and disseminated sulphides and is substantially different geologically to the bonanza grade, epithermal-gold style mineralisation at Dona Maria.

JUDD011 intersected multiple zones of similarly hydrothermally altered coarse granites, the largest being ~20m wide. This zone had a moderate sulphide content (pyrite only), again with strong sericitic alteration and abundant quartz veins and veinlets (Figure 4). The hole has been sampled and despatched with assays expected in late November.

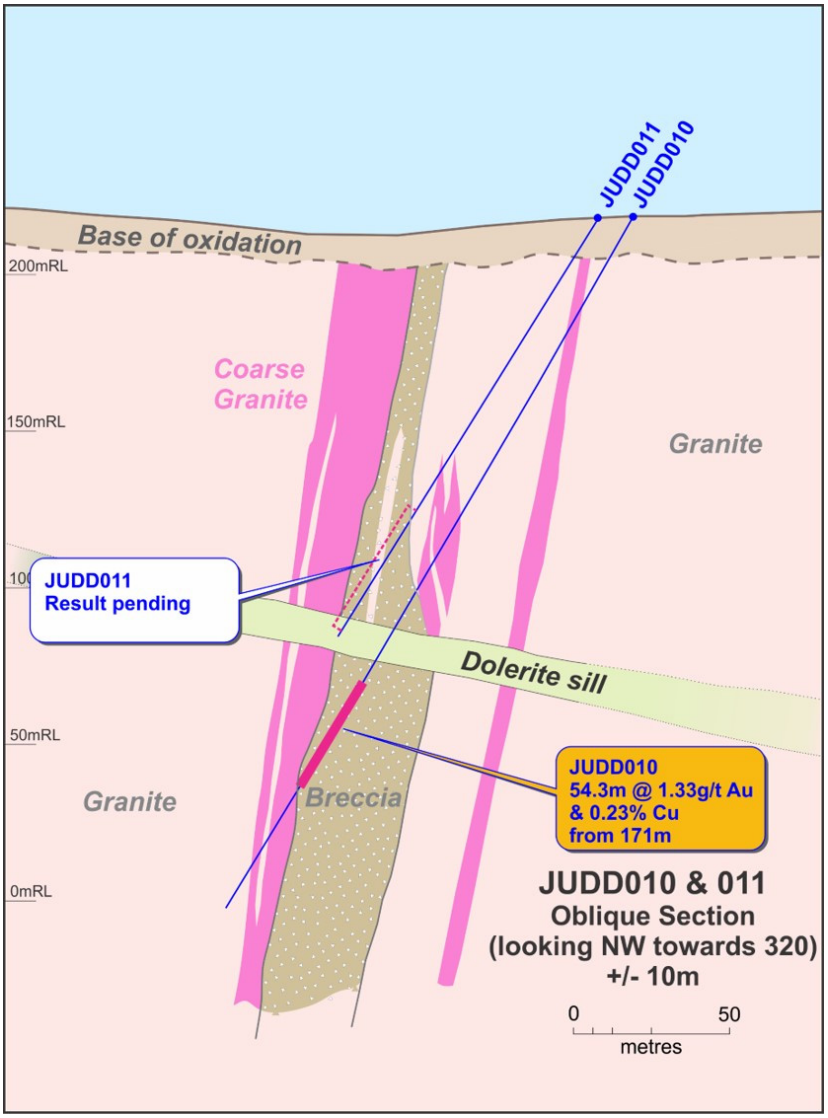

Figure 2 *Oblique Section (looking NW) of JUDD010 & 011 showing large gold-copper intersection. It is not possible to estimate a true thickness at this early stage due to the stockwork nature of the veining and alteration associated with mineralisation.*

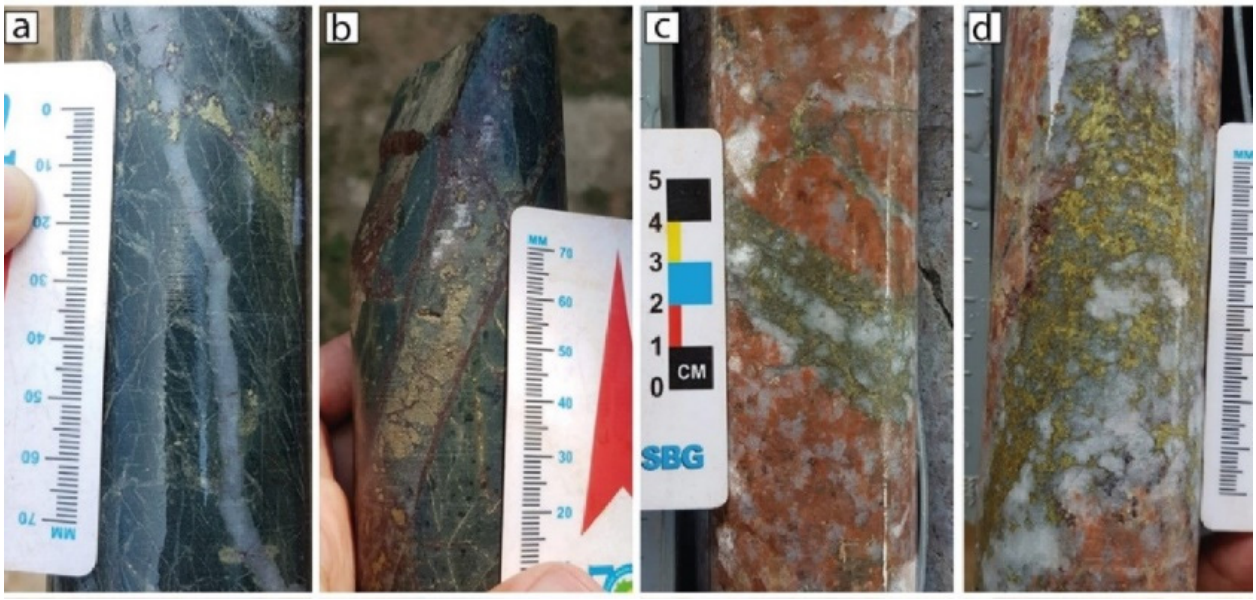

Figure 3 JUDD010 **a)** & **b)** Dolerite dyke with carbonate + pyrite + chalcopyrite veins: 0.48m @ 0.5g/t Au & 1% Cu; **c)** Coarse granite with potassic alteration and stockwork veins (quartz + chlorite + pyrite + chalcopyrite): 0.43m @ 32.1g/t Au and 0.89% Cu; **d)** Semi-massive pyrite-chalcopyrite associated with stockwork vein: 0.5m @ 2.54g/t Au and >1%Cu.

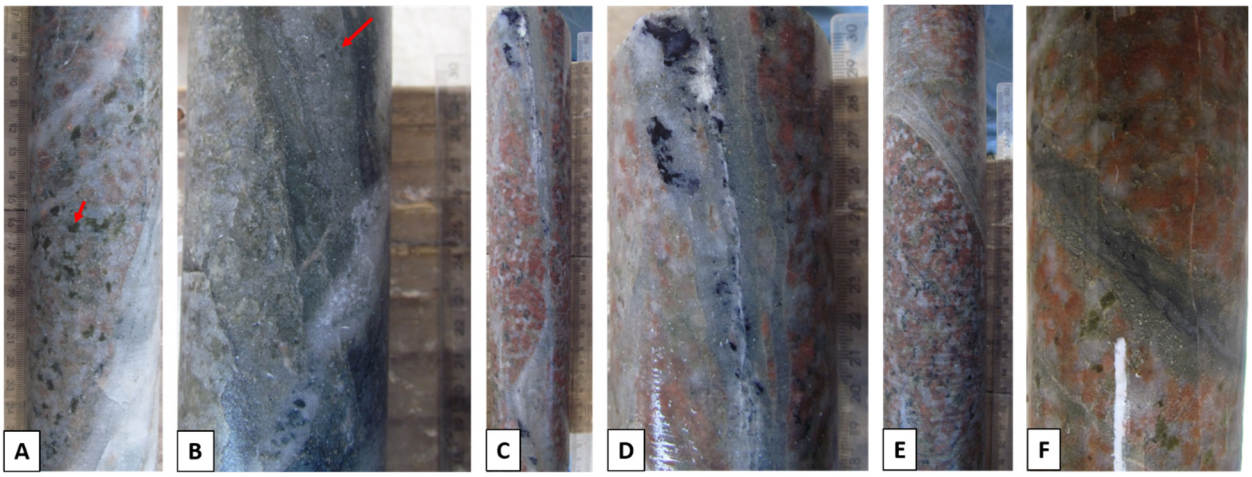

Figure 4 JUDD011 **a)** Phengite halo in coarse granite; **b)** Strong sericitic alteration and infill texture; **c) + d)** Quartz + fluorite vein with disseminated pyrite in sericite and potassic altered granite; **e) + f)** Quartz vein with sericite and fine pyrite.

Table 1: *Juruena 2019 DD Drilling - Mineralised Intercept Table Gold Results (JUDD009 & 010).*

Hole ID	From (m)	To (m)	Interval (m)	Au Grade (g/t)	Gram.metres (g/t.m)
JUDD009	56.70	57.22	0.52	0.76	0
	133.00	134.00	1.00	1.33	1
	141.50	142.00	0.50	0.58	0
	208	209	1.00	0.83	1
	221.50	222.00	0.50	0.55	0
	248.87	**250.06**	**1.19**	**45.83**	**55**
	338.56	339.20	0.64	2.6	2
JUDD010	**171.25**	**225.50**	**54.25**	**1.33**	**72**
including	*178.50*	*179.00*	*0.50*	*12.10*	*6*
and	*181.00*	*182.50*	*1.50*	*13.12*	*20*
and	*185.28*	*185.78*	*0.50*	*5.29*	*3*
and	*188.28*	*189.14*	*0.86*	*21.18*	*18*
and	*202.17*	*202.67*	*0.50*	*6.28*	*3*

Intersection Reporting Criteria for gold:-JUDD009 (high-grade, low tonnage) - min 0.5m width, bottom cut-off 0.5g/t Au, max internal dilution 2m. JUDD010 (low-grade, high tonnage) - min 2.0m width, bottom cut-off 0.1g/t Au, max internal dilution 5m.

Table 2: *Mineralised Intercept Table Copper Results – JUDD010 plus historic data.*

Prospect	Hole ID	From (m)	To (m)	Interval (m)	Cu Grade (%)
Crentes	JUDD010	171.25	213.70	42.45	0.29
	including	*171.25*	*173.30*	*2.05*	*0.69*
	and	*188.28*	*189.57*	*1.29*	*0.85*
	and	*192.75*	*193.75*	*1.00*	*1.39*
	and	*196.29*	*199.67*	*3.38*	*0.57*
	and	*207.17*	*211.17*	*4.00*	*0.58*
Historic Copper intercepts at Juruena					
Crentes	JRDD001	21.00	62.30	41.30	0.34
Crentes	JRDD002	79.00	94.00	15.00	0.19
Crentes	JRDD010	78.00	104.00	26.00	0.64
Crentes	JRDD011	100.00	132.00	32.00	0.38
Pista	JRND054	86.80	97.50	20.70	0.17

**Reporting criteria for Copper - minimum 2.0m width, bottom cut-off 0.1% Cu, maximum internal dilution 5m.*

Update on Juruena Diamond Drilling program

A total of 19 diamond drill holes have been completed at Juruena for 3,431m of a designed 4,000m program (Appendix 2).

Results from JUDD011 to 017 are expected in December.

Rig 1 will remain at Juruena to complete the current drilling program but Rig 2 will move to Novo Astro at the completion of JUDD019 to fast-track the Company's maiden drilling program at this exciting project.

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Competent Person Statement

The information in this announcement that relates to mineral resource estimates and exploration results is based on information reviewed, collated and fairly represented by Mr Peter Sheehan who is a Member of the Australasian Institute of Mining and Metallurgy and a consultant to Meteoric Resources NL. Mr Sheehan has sufficient experience relevant to the style of mineralisation and type of deposit under consideration, and to the activity which has been undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Sheehan consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.

The December 2016 Juruena Mineral Resources totals 261Koz and is reported at two cut-offs: at 2.5 g/t for Querosene and Dona Maria (potential open pit & underground mining zones) and 1.0 g/t Au for Crentes (potential open-pit mining zone) and are detailed below.

MRE for Juruena Project (Reported by BRV 22/12/2017).

PROSPECT	CATEGORY	CUT OFF	Tonnes	Grade (g/t)	Oz Au
Donna Maria	Indicated	2.5 g/t	67,800	13.7	29,800
	Inferred		148,500	12.2	58,200
	Sub-total		216,300	12.7	88,000
Querosene	Indicated	2.5 g/t	31,200	28.4	28,500
	Inferred		188,700	14.7	89,300
	Sub-total		219,900	16.7	117,800
Total Indicated			99,000	18.3	58,300
Total Inferred			337,200	13.6	147,500
Total High-Grade			**436,200**	**14.7**	**205,800**
Crentes	Inferred	1.0 g/t	846,450	2.0	55,100
Global Resources			**1,282,650**	**6.3**	**260,900**

APPENDIX 1: Potential for Au-Cu Mineralisation at Juruena - Alta Floresta Province

Background

The Juruena Project is located at the western margin of the Alta Floresta Magmatic Province, a belt composed of plutono-volcanic units of magmatic arcs accreted to the Amazon Craton during the Paleoproterozoic (2.0-1.7 Ga) (Figure I).

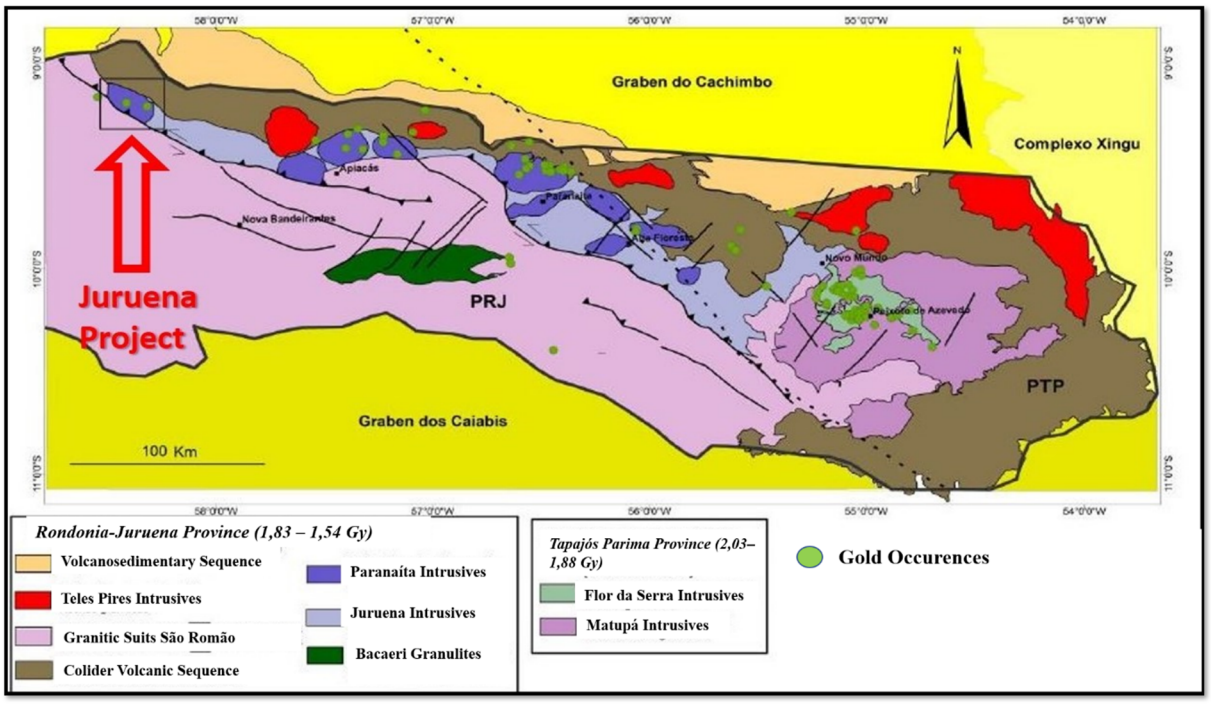

Figure I. *Altal Floresta Province regional geology map including the Juruena Project location.*

The province has been heavily exploited by artisanal miners for more than 30 years not only for alluvial gold, but also shallow, oxidised primary gold mineralisation. It is one of the most intensely worked provinces in Brazil with at least 38 historic artisanal gold mines registered in the district containing low tonnage-high grade Au systems (vein and disseminated).

Significantly, during the last decade multiple academic papers and industry publications have described porphyry style Cu-Au mineralisation occurrences across the Province, including at: Juruena, X1, Pé Quente, Luizao, Papagaio, Jaca, Pombo and Serrinha (Figure II).

Since late 2018 the Alta Floresta Province has experienced a huge increase in license applications (a 'claims rush') with 4.5 million hectares claimed (Brazilian Agency of Mines - ANM) subsequent to a major intersection of Porphyry Cu-Au mineralisation made in drilling by Anglo America at the Jaca Prospect. Most of the claims were registered by major companies (Vale, Codelco, Anglo American, Nexa) and the two (2) main commodities sought were Copper and Gold.

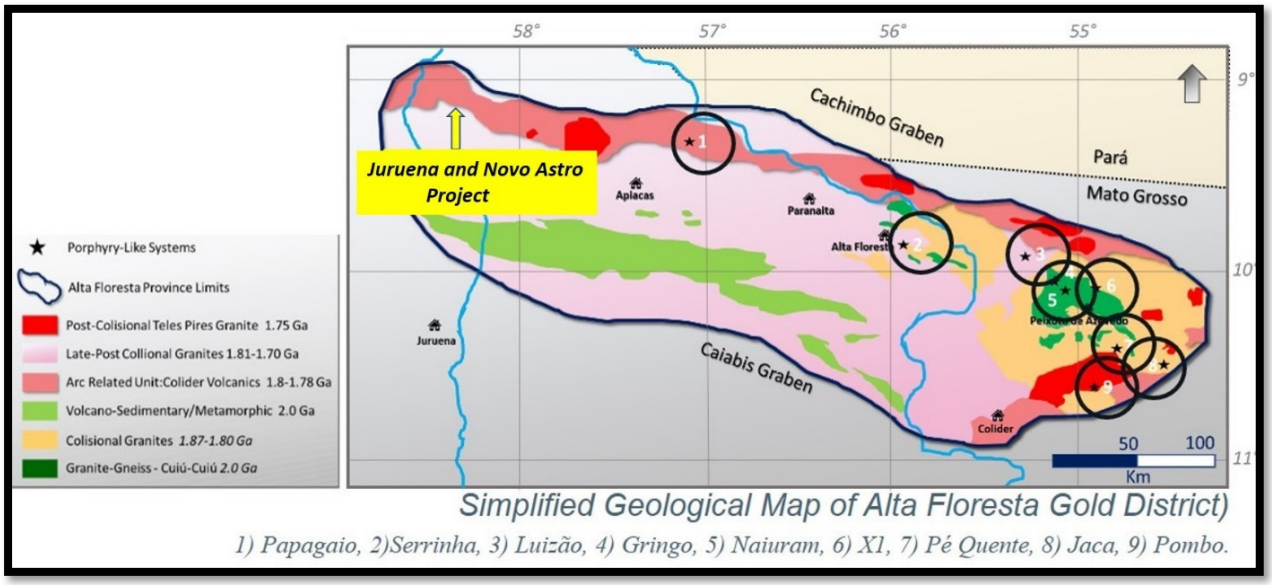

Figure II. *Simplified Geology of the Alta Floresta Province plus projects reporting Porphyry style Cu-Au mineralis*

The Porphyry Cu-Au potential at Juruena has previously been described by several consultants who have visited the project (Simon Meldrum, Ian Groves, Craig Hart and others). They all agree that the Juruena mineralisation is typical of a ***Porphyry/Epithermal Au/Cu-Au Magmatic System***. This conclusion was arrived through: mapping lithologic units, surface and down-hole geochemistry (elemental associations), detailed geophysics, hydrothermal alteration and Cu-Au mineralisation observed in drill cores. All these suggest the Juruena Project Au mineralisation is related to a magmatic system and presents excellent additional potential for Cu-Au mineralisation. Recent drill hole JUDD010 intersected Au-Cu mineralisation (54.3m @ 1.33g/t Au & 0.23% Cu from 171m) at Crentes.

Juruena Lithologic Units

Juruena Project Lithologic Units are separated into two (2) main domains, divided by Jacaré and Juruena Faults (Figure III):

- Volcanic Domain in the S and NW of the Project; and
- Intrusive Domain in the centre.

The basement geology has a biotite monzogranite composition and has been dated at 1.79 Ga (Paranaita Suite, Serrato 2014) and is intruded by several finer grained ***mafic-lamprophyre intrusions, felsic porphyry intrusions and volcanic breccias*** (Figure IV),

The Volcanic Domain appears to overly the Magmatic Domain but is not yet dated. Regional data attributes the volcanics to the Colider Suite (1.75 Ga). At Juruena these volcanic rocks are present at Arrastro Hills (Figure III) where they show features commonly related to ***epithermal*** vein systems, namely vuggy silica in a felsic-intermediate volcano-sedimentary sequence. Volcanic rocks also occur south of Arrastro Hills and these are represented mainly by basalt and rhyolite. Intrusive rocks are mainly trachyte, rhyolite and volcanic breccias.

Across the volcanic domain a strong association between Au, Cu and Mo is observed associated with the intrusive rocks, particularly in the porphyry and the volcanic breccia. This can be seen in historical drill-holes JRND 52 and 55 (detailed description attached) and drill-hole JUDD 010, drilled in this program and presented below. The observed copper, molybedenum-gold association is indicative of “porphyry copper” models.

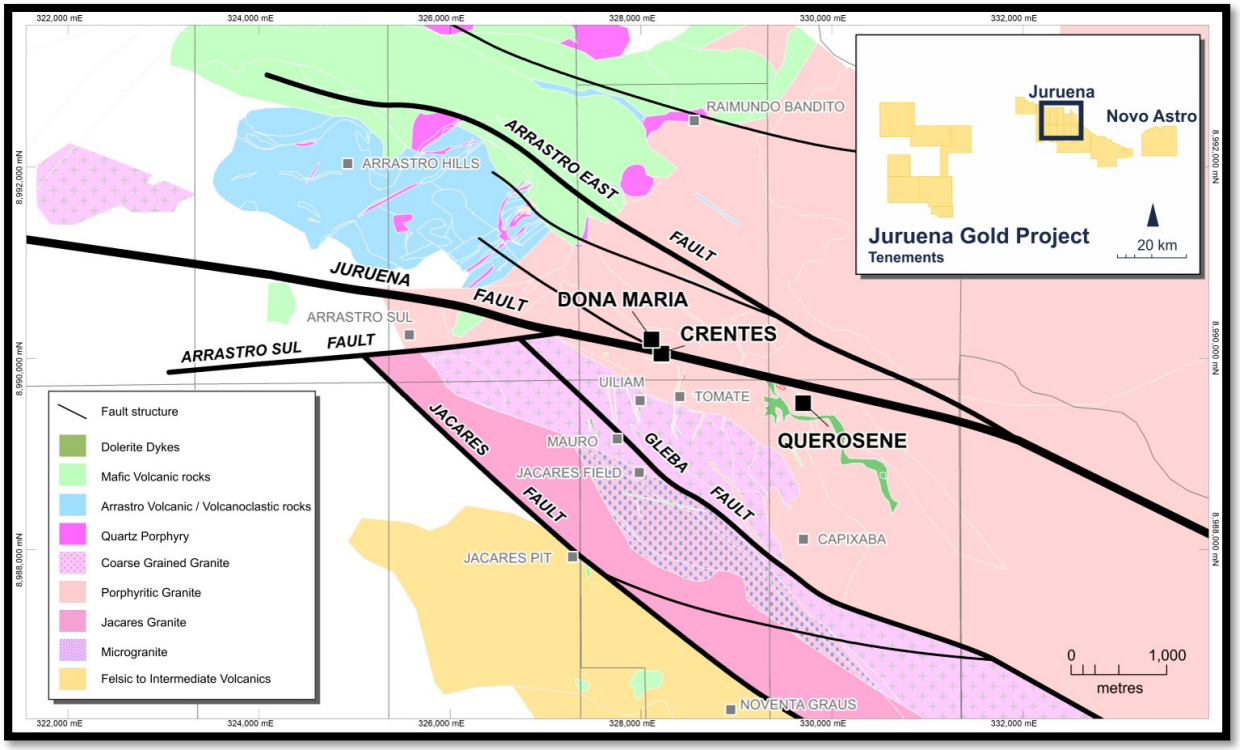

Figure III. *Simplified Lithologic Units of the Juruena Project.*

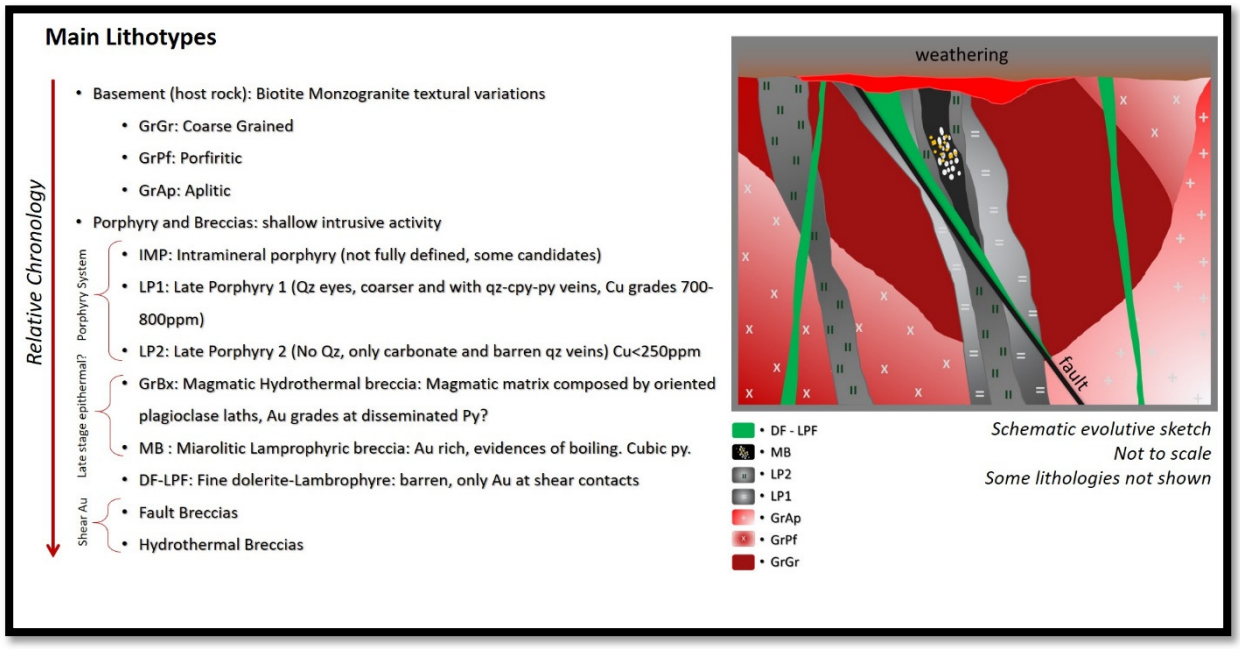

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Figure IV. *A schematic x-section of the main rock types and their intrusive timing that occur in the Juruena Project (Ruggiero, PhD Thesis under development).*

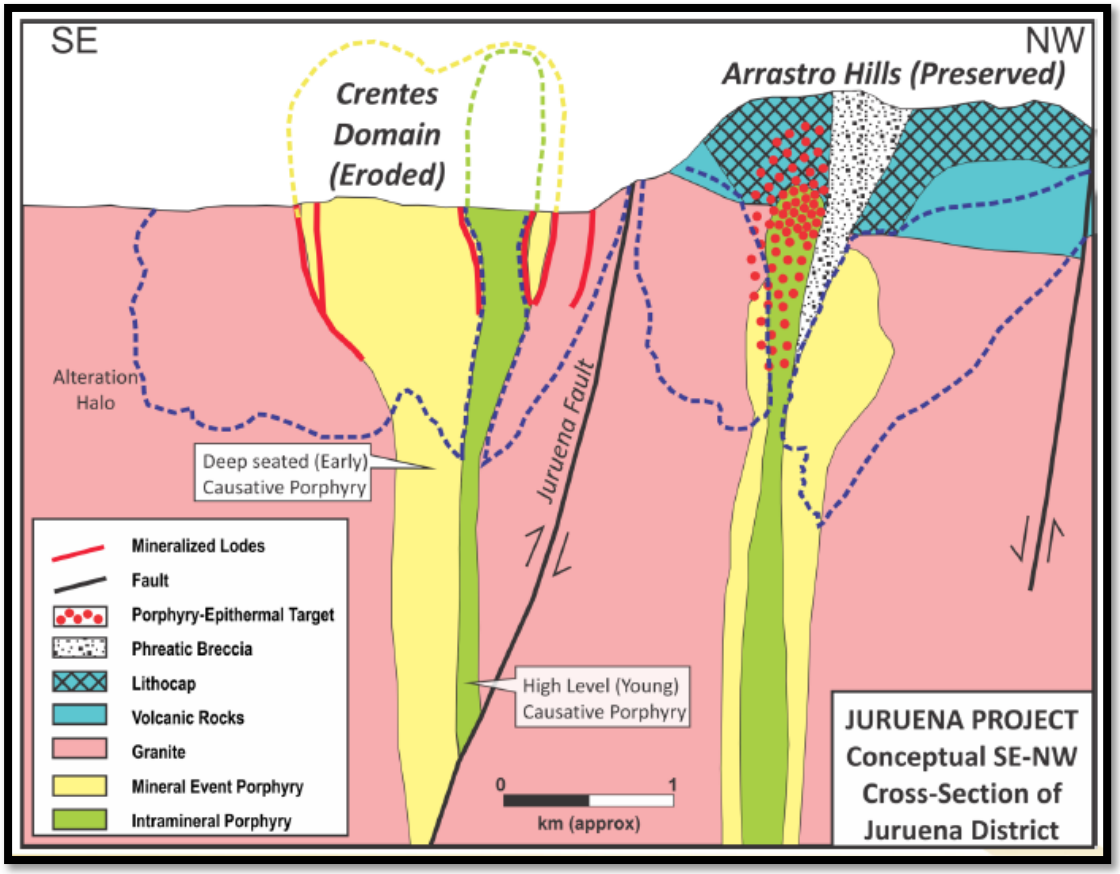

Figure V. *A schematic x-section indicating the association between porphyry copper and epithermal alteration and mineralisation at Juruena*

Surface Geochemistry (elemental associations) at Juruena

On a broad scale, the Juruena system is geochemically zoned:-

- Inner core of copper (Cu) + molybdenum (Mo),
- Tellurium (Te) extends a little further out,
- Strong outer halo of bismuth (Bi), and
- A weak distal halo of arsenic(As) – antimony (Sb).

This is the typical metal zonation pattern you would expect to see controlled primarily by a temperature gradient (Figure VI). Most of the Au is located within the inner part of this zonation pattern and is closely associated with Te. Ag and As are also well correlated and are lateral to the main gold mineralisation.

The Cu-Mo-Te-Bi signature is strongly suggestive of a magmatic (porphyry) association and is particularly strong at a number of prospects: Crentes, Arrastro Hills, and Uilian (Figure VI).

Soil sampling across the Crentes domain (extending into southern Arrastro Hills) defines a large Au anomaly, coincident with Cu and Mo values elevated from the background values. The coherent elevated background Cu-Mo values (±Au) seen in Figure VI could be related to a mineralised porphyry complex (Halley, 2012).

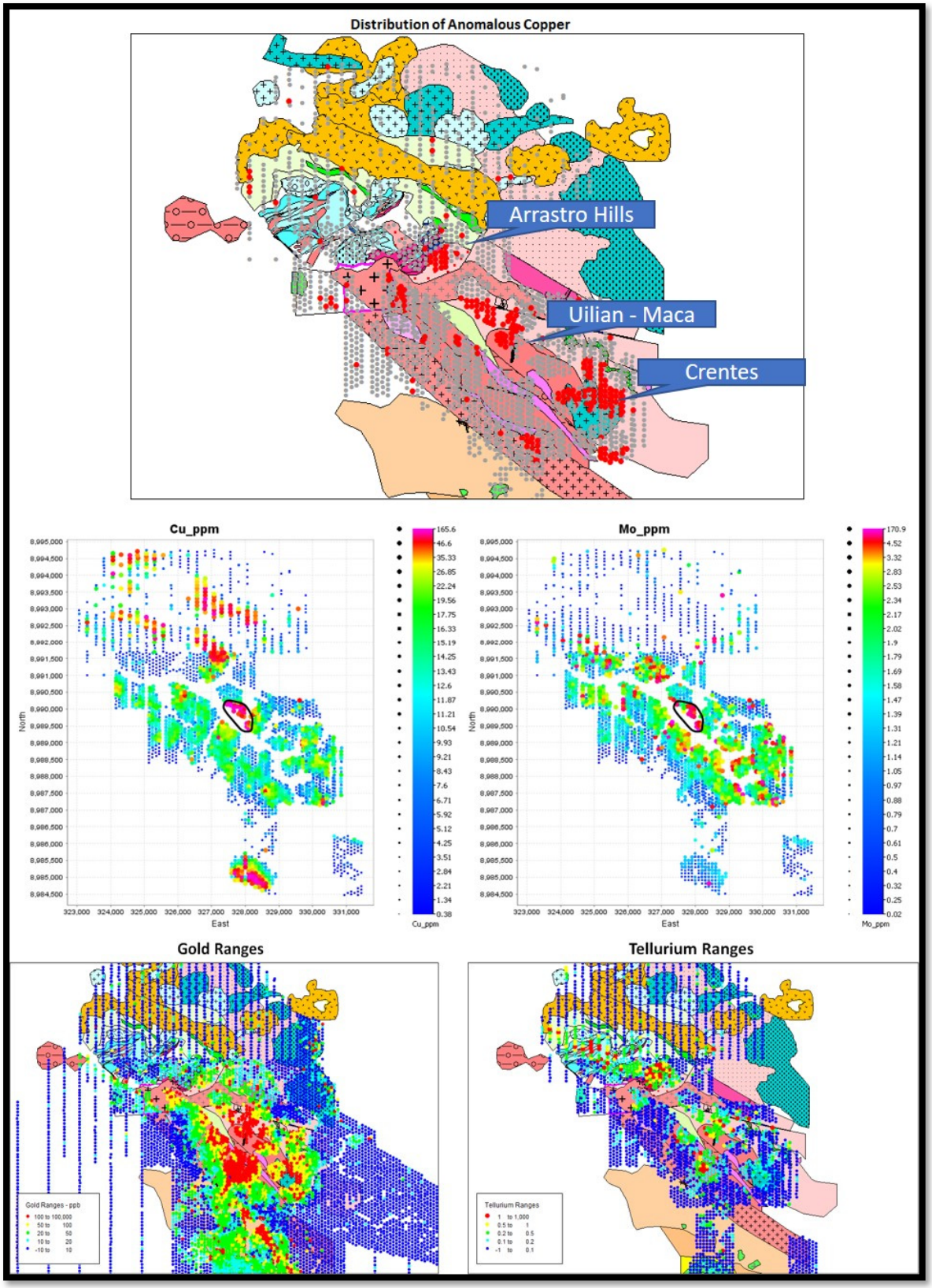

Figure VI. *Top Map: anomalous Cu on soils. Middle Maps: coincident Cu and Mo in soils. Bottom Maps: Au and Te. (Halley, 2012).*

Hydrothermal Alteration at Juruena

The hydrothermal alteration described from the extensive volume of drill core available at Juruena is typical of a large and widespread magmatic system, probably related to a porphyry system.

The alteration minerals were described by Serrato (2014) in hand specimen and thin section as part of a Masters Thesis on the Geochronolgy and Hydrothermal Evolution of Juruena.

The hydrothermal alteration halos associated with mineralisation (see figure 3) are characterised by:-

- a strong potassic halo, (Figure VII)
- an inner sulphide rich zone with green sericite (Phengite), where most of the Au and Cu grades are concentrated (Figure VIII)

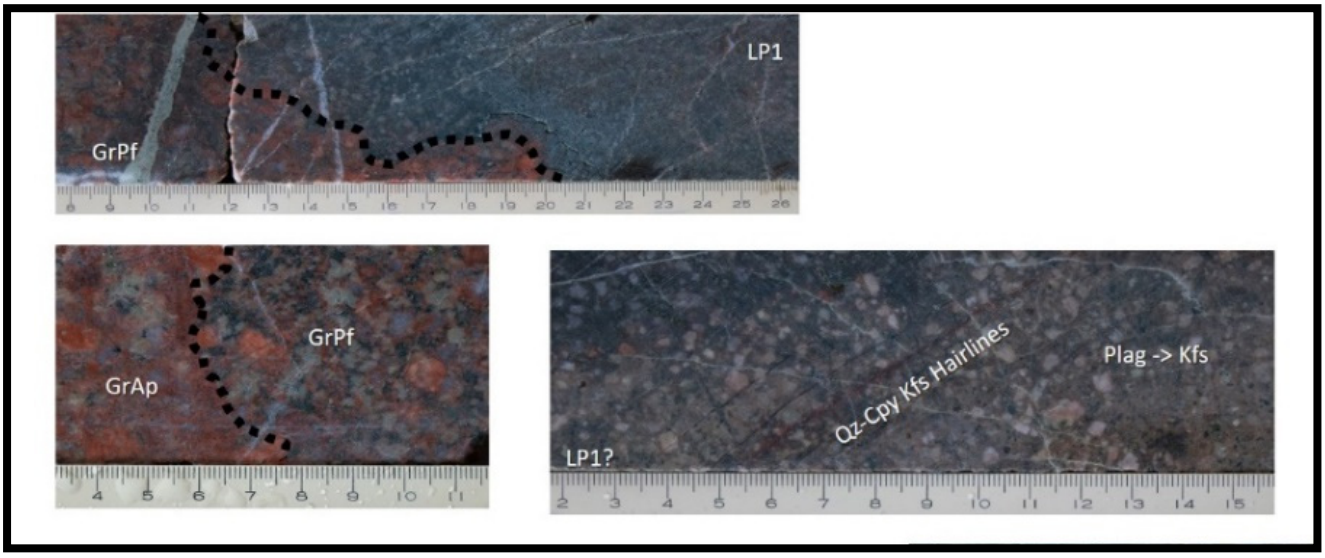

Figure VII. *Photos of Juruena core showing strong potassic alteration*

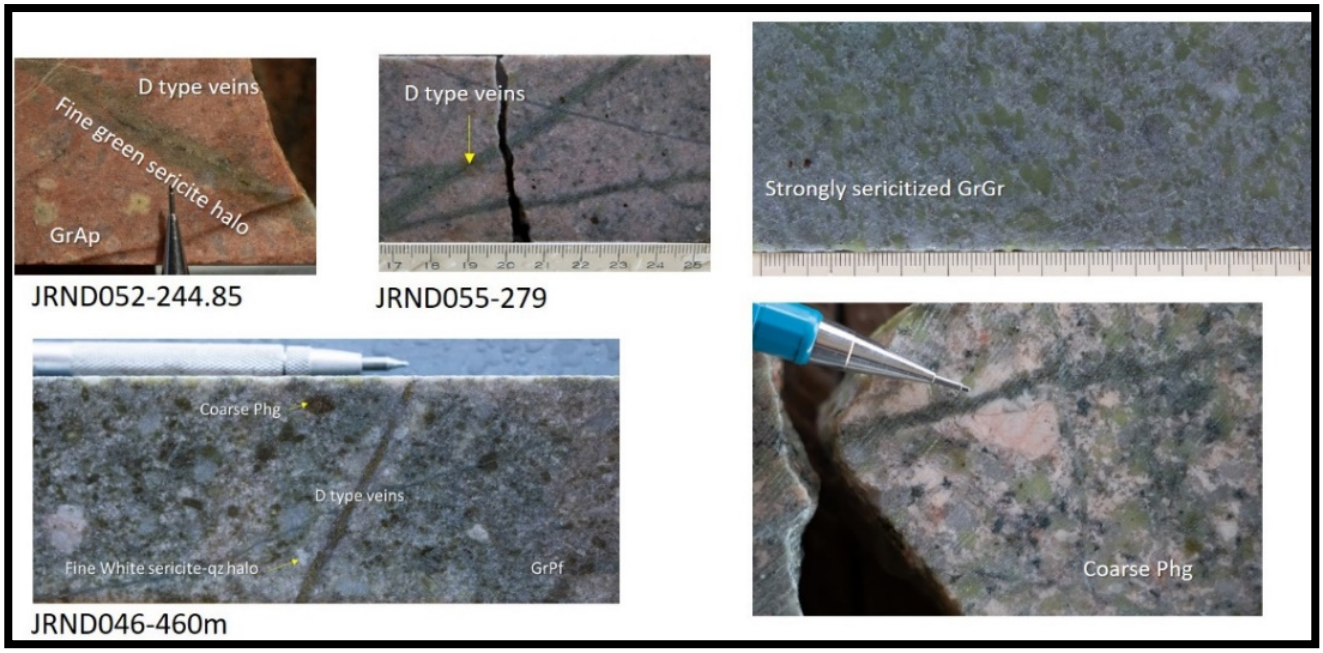

Figure VIII. *Photos from Juruena drill cores showing examples of the green sericite alteration.*

Veining at Juruena

Several types of 'classic' porphyry style veins are present in the drill cores. Veins from A to D type, plus classic epithermal veins are commonly observed (Figure IX) related to mineralisation (Rugero, 2019; PhD Thesis ongoing).

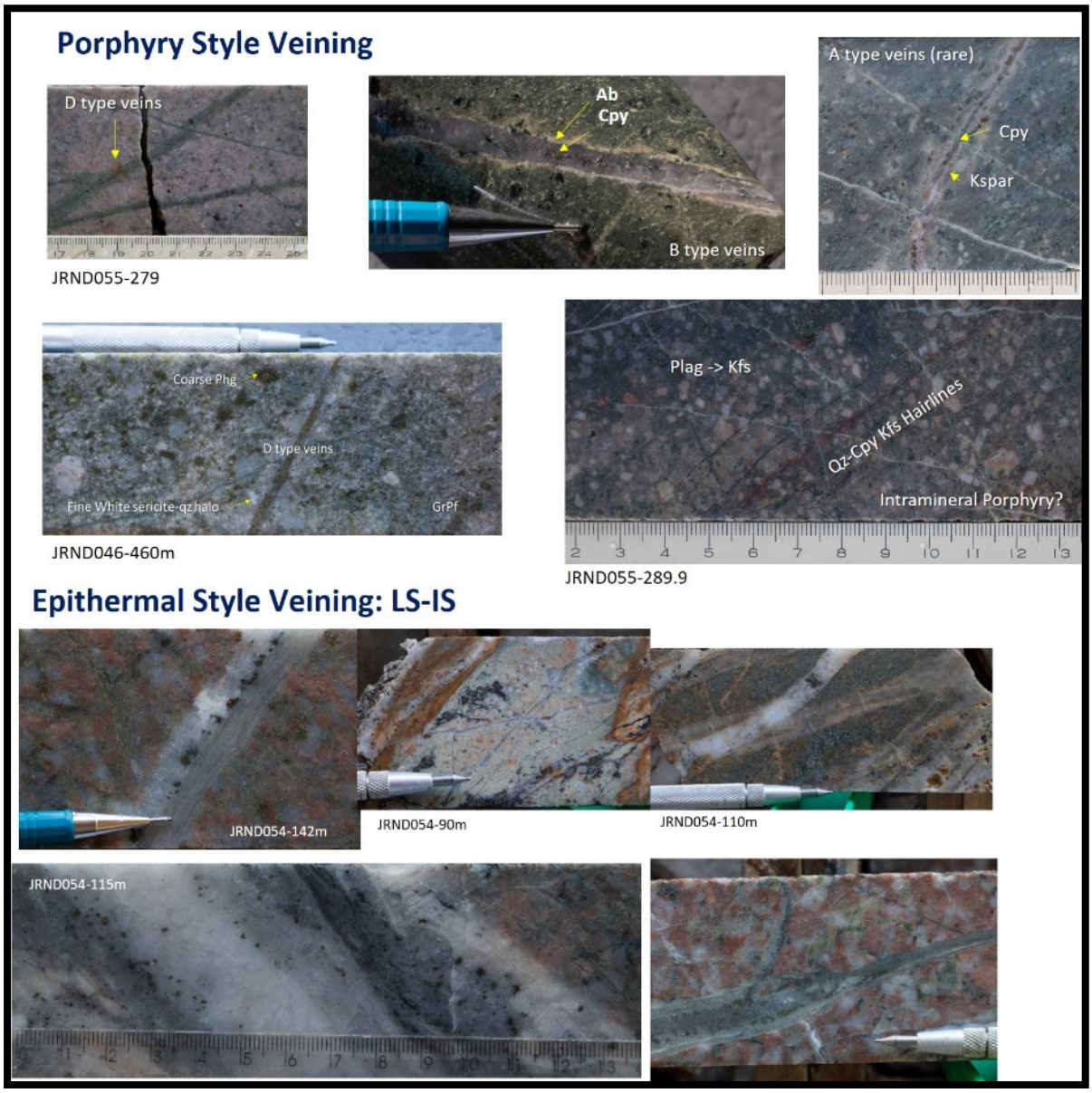

Figure IX. *Juruena drill cores exhibiting porphyry style and epithermal veins frequently associated with Au-Cu mineralisation.*

Geophysics (IP) at Juruena

Lago Dourado Mineração conducted a detailed pole-diploe Induced Polarisation (IP) survey over the central Juruena project area looking for disseminated sulphide bodies associated with Porphyry Cu-Au mineralisation (Figure X). The survey detected two (2) strong conductors immediately south of Crentes, closely associated with Cu anomalism in soil geochemistry. This is close to the best Cu mineralisation drilled at the project, namely: JRND001 – 41.3m @ 0.34% Cu, and JRDN010 – 26m @ 0.64% Cu (refer ASX announcement 21/3/2019).

Stronger Cu-Mo values in the Crentes-Uiliam area (coincident with IP resistivity and chargeability features) appear to be consistent with a better mineralised, perhaps younger or higher-level porphyry body. 3D inversion of the IP data suggests the anomalies are below 100m and hence were likely never intersected with drilling.

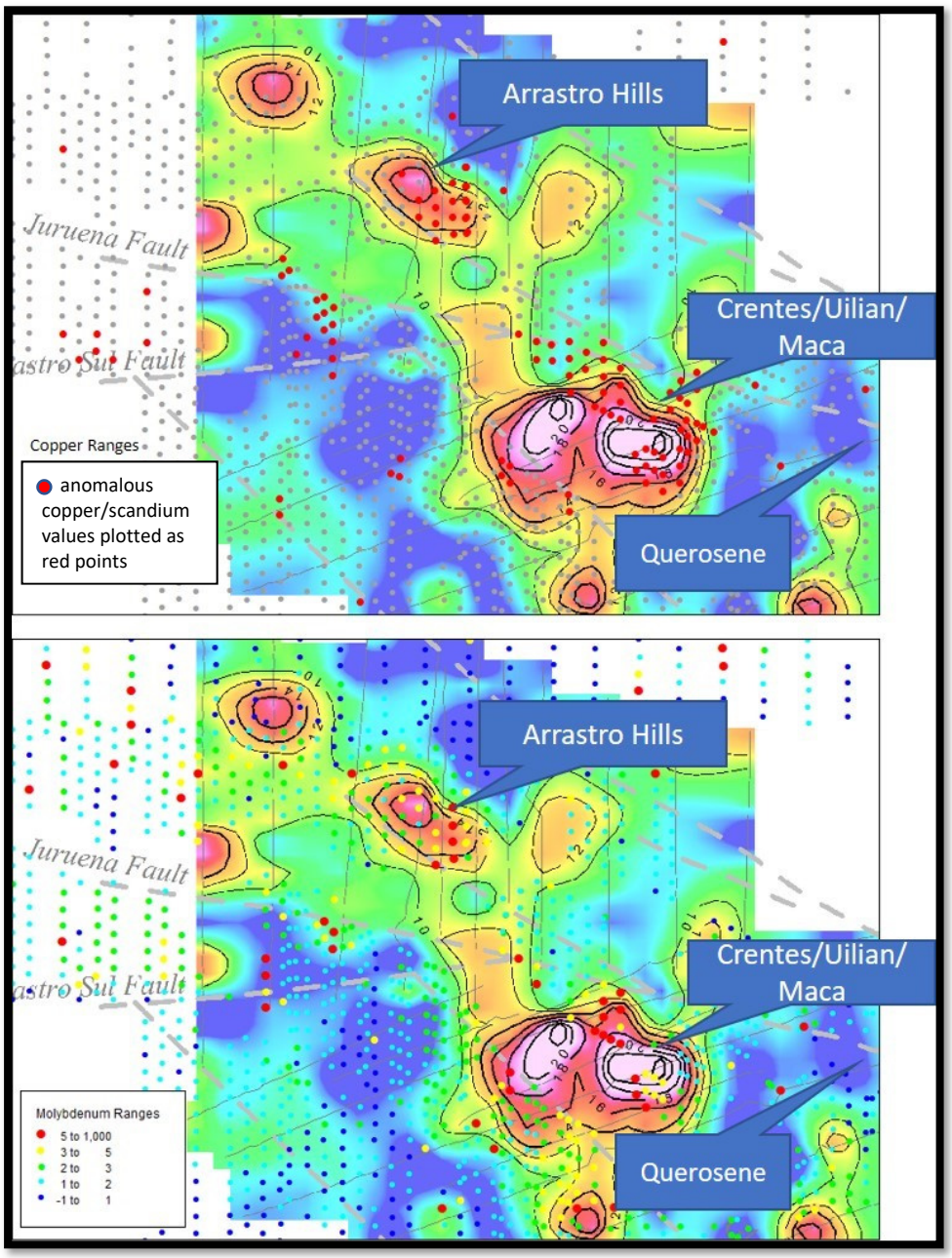

Figure X. *Top Map: Anomalous Cu values in soils (point data) on top of contoured IP (Chargeability) image. Bottom Map: Anomalous Mo values in soils (point data) on top of contoured IP (Chargeability) image.*

2019 Diamond Drilling at Dona Maria-Crentes

JUDD010

The drill-hole JUDD-010 intercepted a package of approximately 60 metres of low to intense sulphide zones associated with different rock types and mineralisation styles. The package is considered to represent a typical Au-Cu mineralised zone.

Table I. *Lithology and alteration log for JUDD010 (yellow colored intervals indicates intervals sampled for ICP and Fire Assay).*

Drill-hole JUDD010 - Summary					
From	**To**	**Litology**	**Alteration**	**Mineralization Type**	**Remarks**
0	13.89	Sap	Propilitic		Saprolite w/ propilitic alteration features
13.89	16.08	GRgr	Phengite	Disseminated	Low sulfide content (Ore zone ?)
16.08	30.08	GRgr	Sericitic 1		
30.08	30.8	GRgr	Sericitic 2		Assoc. of src + py and vein of qtz + py
30.8	43.58	GRgr	Potassic 1		weak overprint of propilitic alteration
43.58	68.81	GRgr	Sericitic 1		
68.81	78.83	GRgr	Propilitic		Moderate propilitic alteration
78.83	79.68	GRgr	Sericitc 2		
79.68	87.52	GRgr	Sericitic 1		
87.52	88.07	GRgr	Phengite		Weak phengitic alteration, no sulfides.
88.07	93.75	GRgr	Sericitic 1		With a few overprints of sercitic 2 alteration
93.75	95.18	GRgr	Silicification	Disseminated	Portions with sericitic 2 alteration (src + moderate fine py)
95.18	97	GRgr	Propilitic		
97	97.92	GRgr	Sericitic 2		Pinkish granite with sericite + pyrite
97.92	101.49	GRgr	Propilitic		
101.49	101.97	GRgr	Phengite		Weak phengitic w/ low content of sulfides
101.97	110.16	GRgr	Propilitic		
110.16	126.73	GRgr	Potassic 1		Overprints of propilitic and sercitic 2 alteration
126.73	127.83	GRgr	Phengite	Dissseminated	Weak phengitic alteration w/low content of sulfides
127.83	137.75	GRgr	Potassic 1		weak altered rock
137.75	144.76	GRgr	Potassic 1	Disseminated	Tectonic breccia features (?)
144.76	145.5	GRgr	Phengite	Disseminated	Moderate phengitic alteration w/ low content of sulf.
145.5	147.35	GRgr	Potassic 1		Tectonic breccia features (?)
147.35	148.16	GRgr	Sericitic 2	Disseminated	Sericite+py associated a possible brecciation
148.16	150.6	GRgr	Potassic 1		Presence of reddish phengite
150.6	163.6	IPM1			Gabro Sill - No sulfides
163.6	169.24	GRgr	Potassic 1		Veins of qtz without sulfides
169.24	173.29	IPM1	Carbonatic	Venulations	Dyke w/ venulations of qtz+py+cpy (moderate; 1st dyke)
173.29	174	GRgr	Potassic 1		No sulfides
174	175.1	IPM1	Carbonatic	Disseminated	Diabase dyke, low or no sulfides
175.1	178.75	GRgr	Potassic 1		No sulfides
178.75	179.2	IPM1	Carbonatic	Venulations	Low to moderate sulfidation - similiar to 1st dyke
179.2	179.46	GRgr	Potassic 1	Disseminated	Disseminated pyrite (very low sulfides content)
179.46	182.56	IPM1	Carbonatic	Venulations	Moderate to high sulfides content - similar to 1st dyke
182.56	185.25	GRgr	Phengite	Disseminated	Moderate phengitic alteration w/ mod. sulf. (py+cpy)
185.25	190.05	GRgr	Potassic 2	Stockwork (qtz+py+cpy)	moderate stockwork veins
190.05	192.7	GRgr	Sericitic 1	Disseminated	low content of disseminated pyrite, no veins.
192.7	196.28	GRgr	Potassic 2	Stockwork (qtz+py+cpy)	low to moderate stockwork veins
196.28	197.19	Apd	Potassic 2	Stockwork (qtz+py+cpy)	Stockwork veins remain despite the litological change
197.19	213.66	GRgr	Potassic 2	Stockwork (qtz+py+cpy)	low stockwork veins
213.66	218.4	GRgr	Potassic 1	Disseminated	low to moderate py (gradual increase of py content)
218.4	224.47	GRgr	Potassic 1	Disseminated	moderate to high pyrite content
224.47	227.08	GRgr	Carbonatic	Disseminated	Disseminated coarse pyrite
227.08	229.95	Apd	Potassic 1		
229.95	231.54	GRgr	Phengite	Disseminated	Pervasive alteration, low or no sulfides (breccia features ?)
231.54	233.2	GRgr	Phengite	Disseminated	Presence of reddish phengite, low or no sulfides.
233.2	235.77	GRgr	Potassic 1		Weak altered rock
235.77	241.48	Brx	Potassic 1		Increase of breccia features
241.48	256.68	Brx	Silicification		Brecciated and silicificated zone

Table II. *Detailed description of 60 meters sulphide interval. IPM1: post mineral intrusion (Dolerite); Grgr: coarse granite; Apd: aplite; Cb: carbonate; Py: pyrite; Cpy: Chalcopyrite. Yellow color indicates potential for gold and Red indicates potential for gold and copper.*

From	To	Litology	Hidrotermal Alteration	Mineralization style	Sulfides range (%)	Ratio Py:Cpy	Veins and venules (%)
169.24	173.29	IPM1	Carbonatic	Venulations (Cb + Py ± Cpy)	1-4%	Ratio 5:1	10-15%
173.29	174	Grgr	Potassic 1	Barren?	trace	Only pyrite	0
174	175.1	IPM1	Carbonatic	Venulations (Barren ?)	trace	No sulfides	5-10%
175.1	178.75	Grgr	Potassic 1	Barren ?	trace	Only pyrite	0
178.75	179.2	IPM1	Carbonatic	Disseminate (very fine sulfide)	0.1-1%	Only pyrite	5-8%
179.2	179.46	Grgr	Potassic 1	Disseminated	<1%	Only Pyrite	0
179.46	182.56	IPM1	Carbonatic	Venulations (cb + Py ± Cpy +oxides)	1-3%	Ratio 6:1	7-13%
182.56	185.25	Grgr	Phengitic	Disseminated	1-2%	Ratio 6:1	0
185.25	190.05	Grgr	Potassic 2	Stockwork (Qz+Py± Cpy)	2-5%	Ratio 3:1	5-10%
190.05	192.7	Grgr	Sericitc 1	Disseminated (Barren ?)	0.1 - 1%	Only pyrite	0
192.7	196.28	Grgr	Potassic 2	Stockwork (Qz+Py± Cpy)	2-5%	Ratio 4:1	7-10%
196.28	197.19	Apd	Potassic 2	Stockwork (Qz+Py± Cpy)	2-5%	Ratio 5:1	4-6%
197.19	213.66	Grgr	Potassic 2	Stockwork (Qz+Py± Cpy)	2-5%	Ratio 4:1	5-7%
213.66	218.4	Grgr	Potassic 1	Disseminated (transitional)	0.5 - 2%	Only pyrite	0
218.4	224.47	Grgr	Potassic 1	Disseminated	2-5%	Only pyrite	0
224.47	227.08	IPM1	Carbonatic	Diss. + venulations	1-2%	Only pyrite	5-8%

Table III. *Detailed description of 60 meters sulfide interval with composites for each mineralisation type or barren zones. Yellow color indicates best intervals for gold and orange color indicate the best intervals for copper.*

From	To	Litology	Hydrotermal Alteration	Mineralisation style	Type	Composites (detailing)
169.24	173.3	IPM1	Carbonatic	Venulations (Cb + Py + Cpy)	Cu	4.06m - 0.14 ppm Au and 0.3% Cu
173.3	174.1	Grgr	Potassic 1	Barren	Barren	Barren
174.1	175.1	IPM1	Carbonatic	Venulations (Barren)	Barren	Barren
175.1	178.5	Grgr	Potassic 1	Disseminated pyrite	Au (low grade)	3.40m - 0.59ppm Au
178.5	179	IPM1	Carbonatic	Disseminate (very fine sulfides)	Au + Cu (high grade)	0.5m - 12.1ppm Au and 0.34% Cu
179	179.5	Grgr	Potassic 1	Barren	Barren	Barren
179.5	182.54	IPM1	Carbonatic	Venulations (Cb + Py ± Cpy +oxides)	Au+Cu (high grade)	3.04m - 6.68ppm Au and 0.22% Cu
182.54	185.28	Grgr	Phengitic	Disseminated pyrite	Au + Cu (low grade)	2.74m - 1.24ppm of Au and 0.15% Cu
185.28	190	Grgr	Potassic 2	Stockwork (Qz+Py± Cpy)	Au+Cu (high grade)	4.72m - 5.11ppm Au and 0.34% Cu
190	192.75	Grgr	Sericitc 1	Disseminated (Barren ?)	Au (low grade)	2.75m - 0.6ppm Au
192.75	196.29	Grgr	Potassic 2	Stockwork (Qz+Py± Cpy)	Au + Cu (low grade)	3.54m- 0.66ppm Au and 0.36% Cu
196.29	197.17	Apd	Potassic 2	Stockwork (Qz+Py± Cpy)	Au+Cu (low grade)	0.88m - 0.55ppm Au and 0.67%
197.17	213.7	Grgr	Potassic 2	Stockwork (Qz+Py± Cpy)	Au+Cu (low grade)	16.53m - 0.47ppm Au 0.3% Cu
213.7	218.4	Grgr	Potassic 1	Disseminated (transitional)	Barren	4.70m 0.14ppm Au
218.4	224.45	Grgr	Potassic 1	Disseminated	Au (low grade)	6.05m - 0.38ppm Au
224.45	227.08	IPM1	Carbonatic	Barren	Barren	Barren

Conclusions

JUDD010 was designed to intercept the intersection of Crentes and Dona Maria ore bodies. After assay, it was concluded that the drill-hole crossed a mineralised package of approximately 60 metres (from 169.24 to 224.45m) with significant grades of Au and Cu. Inside this package, a main zone of 42.45m (from 171.25 to 213.70) corresponded to a higher grade interval for both gold and copper.

The composite intervals (Table III) were generated using a combination of mineralisation style and geology with assays. The first shallow interval (from 13 to 16.28m) is mineralisation associated with coarse granite exhibiting moderate phengitic alteration + disseminated pyrite.

The much larger and more significantly altered zone (from 171.25 to 213.70) corresponded to two different styles of mineralisation and host rock:-

- 178.5 to 185.28m: mineralisation was associated with veins at the contact between a dolerite dyke and coarse granite (carbonate + chalcopyrite + pyrite) which exhibited moderate phengitic alteration and disseminated pyrite. This first mineralised zone represents high-grade low tonnage gold characteristics.

- 185.28 to 213.70m: this longer interval corresponds to a Breccia-style of mineralisation with potassic alteration and stockwork mineralisation (quartz + chalcopyrite +pyrite ± fluorite), that presents features more comparable to high tonnage and low grade Au-Cu deposits.

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APPENDIX II – Juruena Diamond Drilling Information

Table IV. *Juruena 2019 Diamond Drill Hole information.*

Target	Hole_ID	East	North	RL	Depth	Azi.	Dip
Dona Maria	JUDD001	328051	8990146	226	143.53	070	-60
Dona Maria	JUDD002	328051	8990146	227	104.54	090	-45
Dona Maria	JUDD003	328091	8990097	230	121.10	090	-67
Dona Maria	JUDD004	328048	8990219	229	90.55	090	-45
Dona Maria	JUDD005	328091	8990097	230	92.88	090	-55
Dona Maria	JUDD006	328028	8990220	227	244.56	090	-77
Dona Maria	JUDD007	328070	8990120	226	161.56	090	-75
Dona Maria	JUDD008	328012	8990145	230	178.76	090	-55
Dona Maria	JUDD009	327968	8990125	227	358.31	090	-65
Dona Maria-Crentes	JUDD010	328193	8990117	231	256.80	230	-62
Dona Maria-Crentes	JUDD011	328183	8990109	231	159.23	230	-57
Tomate	JUDD013	328351	8989560	227	191.20	090	-60
Tomate	JUDD014	328252	8988878	209	147.28	090	-55
Tomate	JUDD012	328300	8989886	228	350.29	050	-70
Tomate	JUDD015	328271	8988985	208	148.34	090	-55
Dona Maria_N	JUDD016	327888	8990443	218	131.7	060	-55
Querosene	JUDD017	329611	8989505	246	202.53	008	-65
Dona Maria_N	JUDD018	327970	8990369	221	182.69	070	-55
Querosene	JUDD019	329628	8989497	244	165.1	090	-60
**Datum: UTM_*	*NAD69 (Z21S)*		**Total (m)**		**3,430.95**		

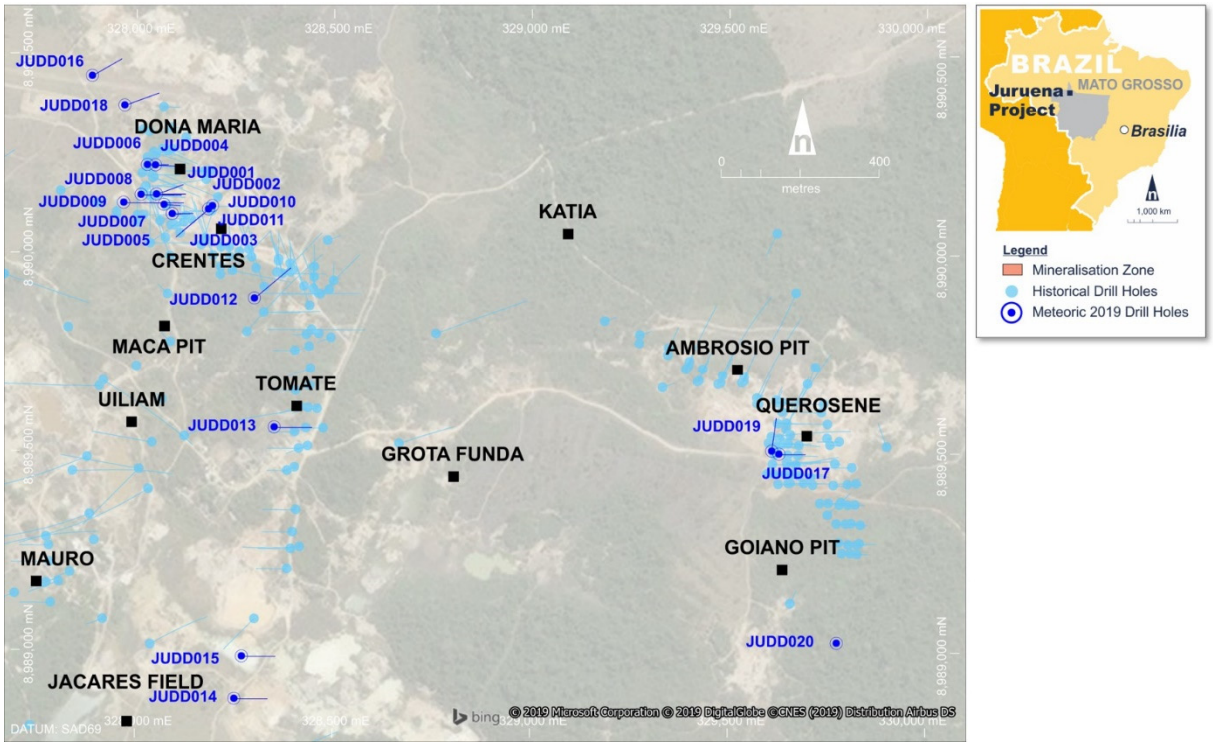

Figure XI. *Collar Plan for Juruena 2019 DD Program (to November).*

Table V Table of assay results for JUDD009 & 010.

Hole ID	From (m)	To (m)	Interval (m)	Sample ID	Au (ppm)	Ag (ppm)	Cu (ppm)
JUDD009	32.67	33.67	1.00	399121	0.03	0	4
JUDD009	33.67	34.28	0.61	399122	0.08	0	5
JUDD009	34.28	35.40	1.12	399123	0.07	0	3
JUDD009	52.26	53.33	1.07	399124	0.05	0	60
JUDD009	53.33	53.84	0.51	399125	0.06	0	205
JUDD009	53.84	54.84	1.00	399126	0.02	0	80
JUDD009	54.84	55.81	0.97	399127	0.21	NSS	NSS
JUDD009	55.81	56.70	0.89	399129	0.15	NSS	NSS
JUDD009	56.70	57.22	0.52	399130	0.76	4	5,170
JUDD009	57.22	58.00	0.78	399131	0.11	0	11
JUDD009	68.67	70.00	1.33	399132	0.37	0	4
JUDD009	70.00	70.42	0.42	399133	0.88	0	5
JUDD009	70.42	71.00	0.58	399134	0.07	0	3
JUDD009	71.00	71.93	0.93	399135	0.01	0	4
JUDD009	71.93	73.00	1.07	399136	0.03	0	6
JUDD009	73.00	80.00	7.00	399137	0.23	0	10
JUDD009	80.00	81.00	1.00	399139	0.06	NSS	NSS
JUDD009	81.00	81.50	0.50	399140	0.03	0	3
JUDD009	81.50	82.00	0.50	399141	0.12	0	3
JUDD009	82.00	83.00	1.00	399142	0.01	0	5
JUDD009	112.00	113.00	1.00	399143	0.04	0	14
JUDD009	113.00	113.50	0.50	399144	0.04	0	3
JUDD009	113.50	114.50	1.00	399146	0.01	0	4
JUDD009	114.50	115.50	1.00	399147	0.01	0	2
JUDD009	122.00	123.00	1.00	399148	0.19	0	4
JUDD009	123.00	123.50	0.50	399149	0.08	1	3
JUDD009	123.50	124.00	0.50	399150	0.25	0	3
JUDD009	124.00	124.50	0.50	399151	0.18	0	3
JUDD009	124.50	125.00	0.50	399152	0.11	0	2
JUDD009	125.00	125.50	0.50	399153	0.12	0	3
JUDD009	125.50	126.00	0.50	399154	0.05	0	4
JUDD009	126.00	126.50	0.50	399155	0.06	0	5
JUDD009	126.50	127.00	0.50	399156	0.04	0	6
JUDD009	127.00	127.50	0.50	399157	0.01	0	6
JUDD009	127.50	128.00	0.50	399159	0.35	0	29
JUDD009	128.00	128.50	0.50	399160	0.07	0	9
JUDD009	128.50	129.00	0.50	399161	0.04	0	5
JUDD009	129.00	129.50	0.50	399162	0.02	0	7
JUDD009	129.50	130.00	0.50	399163	-0.01	0	5
JUDD009	130.00	130.50	0.50	399164	-0.01	0	10
JUDD009	130.50	131.00	0.50	399165	0.02	0	10
JUDD009	131.00	131.50	0.50	399166	0.02	0	5
JUDD009	131.50	132.00	0.50	399167	0.07	0	5
JUDD009	132.00	132.50	0.50	399168	0.13	0	4
JUDD009	132.50	133.00	0.50	399169	0.24	1	15
JUDD009	133.00	134.00	1.00	399171	1.33	1	686
JUDD009	134.00	135.00	1.00	399172	0.01	0	14
JUDD009	139.00	140.00	1.00	399174	0.06	0	7
JUDD009	140.00	140.50	0.50	399175	0.06	0	5
JUDD009	140.50	141.00	0.50	399176	0.05	0	14
JUDD009	141.00	141.50	0.50	399177	0.23	1	17

Hole ID	From (m)	To (m)	Interval (m)	Sample ID	Au (ppm)	Ag (ppm)	Cu (ppm)
JUDD009	141.50	142.00	0.50	399178	0.56	1	6
JUDD009	142.00	142.50	0.50	399179	0.6	1	8
JUDD009	142.50	143.00	0.50	399180	0.26	0	6
JUDD009	143.00	143.50	0.50	399181	0.33	0	4
JUDD009	143.50	144.00	0.50	399182	0.06	0	3
JUDD009	208.00	209.00	1.00	399183	0.83	0	5
JUDD009	209.00	210.00	1.00	399185	0.39	0	3
JUDD009	210.00	211.00	1.00	399186	0.41	0	6
JUDD009	211.00	211.50	0.50	399187	0.33	0	3
JUDD009	211.50	212.00	0.50	399188	0.01	0	3
JUDD009	212.00	213.00	1.00	399189	0.005	0	3
JUDD009	220.50	221.50	1.00	399190	0.05	0	3
JUDD009	221.50	222.00	0.50	399191	0.55	2	7
JUDD009	222.00	223.00	1.00	399192	0.18	0	4
JUDD009	224.00	225.00	1.00	399193	0.1	0	4
JUDD009	225.00	225.70	0.70	399194	0.19	0	3
JUDD009	225.70	226.90	1.20	399196	0.07	0	3
JUDD009	247.00	247.90	0.90	399197	0.01	0	4
JUDD009	247.90	248.38	0.48	399198	0.03	0	4
JUDD009	248.38	248.87	0.49	399199	0.09	0	12
JUDD009	248.87	249.56	0.69	399200	74.4	32	577
JUDD009	249.56	250.06	0.50	399201	6.41	6	76
JUDD009	250.06	251.00	0.94	399202	0.47	1	6
JUDD009	301.00	302.00	1.00	399203	0.04	0	5
JUDD009	302.00	303.00	1.00	399204	0.04	0	5
JUDD009	303.00	304.00	1.00	399205	0.02	0	3
JUDD009	304.00	304.50	0.50	399207	0.06	0	4
JUDD009	304.50	305.00	0.50	399208	0.02	0	11
JUDD009	305.00	305.50	0.50	399209	0.12	0	6
JUDD009	305.50	306.00	0.50	399210	0.35	1	2
JUDD009	306.00	306.50	0.50	399211	0.04	0	2
JUDD009	306.50	307.00	0.50	399212	0.04	0	2
JUDD009	307.00	307.50	0.50	399213	0.07	0	3
JUDD009	307.50	308.00	0.50	399215	0.02	0	3
JUDD009	308.00	309.00	1.00	399216	0.01	0	3
JUDD009	309.00	310.00	1.00	399217	0.03	0	5
JUDD009	310.00	311.00	1.00	399218	0.01	0	5
JUDD009	328.00	329.00	1.00	399219	0.08	0	2
JUDD009	329.00	329.50	0.50	399221	0.08	0	4
JUDD009	329.50	330.00	0.50	399222	0.1	0	3
JUDD009	330.00	330.50	0.50	399223	0.11	0	3
JUDD009	330.50	331.00	0.50	399224	0.14	0	7
JUDD009	331.00	331.50	0.50	399225	0.02	0	4
JUDD009	331.50	332.00	0.50	399226	0.06	0	1
JUDD009	332.00	333.00	1.00	399227	0.06	0	3
JUDD009	333.00	334.00	1.00	399228	0.02	0	4
JUDD009	334.00	335.00	1.00	399229	0.11	0	6
JUDD009	335.00	336.00	1.00	399230	0.09	0	3
JUDD009	336.00	336.79	0.79	399231	0.19	0	3
JUDD009	336.79	337.34	0.55	399232	0.04	0	1
JUDD009	337.34	338.56	1.22	399234	0.1	0	4
JUDD009	338.56	339.20	0.64	399235	2.5	1	1,415
JUDD009	339.20	340.00	0.80	399236	0.03	0	9

Hole ID	From (m)	To (m)	Interval (m)	Sample ID	Au (ppm)	Ag (ppm)	Cu (ppm)
JUDD009	340.00	341.00	1.00	399237	0.06	0	59
JUDD010	11.00	12.00	1.00	398913	0.03	0	8
JUDD010	12.00	13.00	1.00	398915	0.02	0	7
JUDD010	13.00	13.60	0.60	398916	0.45	0	10
JUDD010	13.60	14.10	0.50	398917	1.72	1	4
JUDD010	14.10	14.60	0.50	398918	0.36	1	8
JUDD010	14.60	15.17	0.57	398919	1.7	2	115
JUDD010	15.17	15.75	0.58	398920	3.27	5	103
JUDD010	15.75	16.28	0.53	398921	0.71	1	37
JUDD010	16.28	17.00	0.72	398922	0.01	0	7
JUDD010	17.00	18.00	1.00	398923	0.005	0	7
JUDD010	18.00	19.00	1.00	398924	0.005	0	5
JUDD010	90.64	91.64	1.00	398925	0.005	0	5
JUDD010	91.64	92.64	1.00	398926	0.05	1	1,110
JUDD010	92.64	93.00	0.36	398927	0.01	0	60
JUDD010	93.00	93.67	0.67	398928	0.01	0	14
JUDD010	93.67	94.18	0.51	398929	0.005	0	3
JUDD010	94.18	94.68	0.50	398931	0.01	0	3
JUDD010	94.68	95.18	0.50	398932	0.01	0	2
JUDD010	95.18	95.68	0.50	398933	0.01	0	3
JUDD010	95.68	96.18	0.50	398934	0.01	0	3
JUDD010	96.18	96.68	0.50	398935	0.01	0	3
JUDD010	96.68	97.18	0.50	398936	0.05	0	19
JUDD010	97.18	97.68	0.50	398938	0.21	1	18
JUDD010	97.68	98.18	0.50	398939	0.04	0	15
JUDD010	98.18	98.68	0.50	398940	0.005	0	12
JUDD010	98.68	99.18	0.50	398941	0.005	0	16
JUDD010	99.18	99.63	0.45	398942	0.01	0	44
JUDD010	99.63	100.08	0.45	398943	0.005	0	9
JUDD010	100.08	100.53	0.45	398944	0.01	0	6
JUDD010	100.53	101.00	0.47	398945	0.02	0	9
JUDD010	101.00	101.49	0.49	398946	0.01	0	15
JUDD010	101.49	102.00	0.51	398947	0.01	0	28
JUDD010	102.00	103.00	1.00	398949	0.005	0	63
JUDD010	103.00	104.00	1.00	398950	0.01	0	64
JUDD010	104.00	105.00	1.00	398951	0.005	0	22
JUDD010	123.63	124.63	1.00	398954	0.02	0	56
JUDD010	124.63	125.63	1.00	398955	0.02	0	11
JUDD010	125.63	126.63	1.00	398956	0.01	2	34
JUDD010	126.63	127.23	0.60	398958	0.04	1	22
JUDD010	127.23	127.83	0.60	398959	0.01	2	21
JUDD010	127.83	128.83	1.00	398960	0.13	1	22
JUDD010	128.83	129.83	1.00	398961	0.06	2	30
JUDD010	129.83	130.80	0.97	398962	0.03	0	22
JUDD010	134.75	135.75	1.00	398963	0.005	0	5
JUDD010	135.75	136.75	1.00	398964	0.01	0	6
JUDD010	136.75	137.84	1.09	398965	0.01	1	7
JUDD010	137.84	138.42	0.58	398966	0.01	0	5
JUDD010	138.42	139.00	0.58	398967	0.02	0	6
JUDD010	139.00	139.50	0.50	398968	0.01	0	5
JUDD010	139.50	140.00	0.50	398969	0.29	3	5
JUDD010	140.00	140.50	0.50	398970	0.005	0	4
JUDD010	140.50	141.00	0.50	398971	0.02	0	7

Hole ID	From (m)	To (m)	Interval (m)	Sample ID	Au (ppm)	Ag (ppm)	Cu (ppm)
JUDD010	141.00	141.50	0.50	398972	0.06	0	7
JUDD010	141.50	142.00	0.50	398973	0.01	0	7
JUDD010	142.00	142.50	0.50	398974	0.01	0	8
JUDD010	142.50	143.00	0.50	398975	0.19	1	5
JUDD010	143.00	143.50	0.50	398976	0.01	0	12
JUDD010	143.50	144.12	0.62	398977	0.04	2	18
JUDD010	144.12	144.74	0.62	398978	0.38	3	34
JUDD010	144.74	145.48	0.74	398979	0.72	6	33
JUDD010	145.48	146.00	0.52	398981	0.05	9	62
JUDD010	146.00	146.50	0.50	398982	0.005	5	8
JUDD010	146.50	146.93	0.43	398983	0.35	1	41
JUDD010	146.93	147.35	0.42	398984	0.15	1	40
JUDD010	147.35	147.77	0.42	398985	0.67	2	93
JUDD010	147.77	148.20	0.43	398986	0.77	4	45
JUDD010	148.20	149.18	0.98	398987	0.01	1	46
JUDD010	149.18	150.18	1.00	398988	0.02	2	42
JUDD010	150.18	151.18	1.00	398989	0.005	0	51
JUDD010	151.18	152.00	0.82	398990	0.005	0	44
JUDD010	166.24	167.24	1.00	398991	0.01	0	17
JUDD010	167.24	168.24	1.00	398992	0.005	0	13
JUDD010	168.24	169.24	1.00	398993	0.01	0	10
JUDD010	169.24	169.74	0.50	398995	0.005	0	7
JUDD010	169.74	170.24	0.50	398996	0.03	8	865
JUDD010	170.24	170.74	0.50	398997	0.005	2	137
JUDD010	170.74	171.25	0.51	398998	0.005	0	27
JUDD010	171.25	171.76	0.51	398999	0.22	18	7,530
JUDD010	171.76	172.24	0.48	399000	0.58	10	11.400
JUDD010	172.24	172.74	0.50	399001	0.05	3	3,220
JUDD010	172.74	173.30	0.56	399002	0.3	7	5,720
JUDD010	173.30	173.70	0.40	399004	0.01	1	82
JUDD010	173.70	174.10	0.40	399005	0.005	0	61
JUDD010	174.10	174.52	0.42	399006	0.005	0	19
JUDD010	174.52	175.10	0.58	399007	0.005	0	218
JUDD010	175.10	175.60	0.50	399008	0.77	2	2,480
JUDD010	175.60	176.10	0.50	399009	1.14	2	2,970
JUDD010	176.10	176.60	0.50	399010	1.34	3	1,460
JUDD010	176.60	177.10	0.50	399011	0.71	1	789
JUDD010	177.10	177.60	0.50	399012	0.01	1	123
JUDD010	177.60	178.10	0.50	399013	0.01	1	209
JUDD010	178.10	178.50	0.40	399014	0.1	1	138
JUDD010	178.50	179.00	0.50	399015	12.1	18	3,490
JUDD010	179.00	179.50	0.50	399017	0.01	0	44
JUDD010	179.50	180.00	0.50	399018	0.07	1	1,210
JUDD010	180.00	180.50	0.50	399019	0.01	0	43
JUDD010	180.50	181.00	0.50	399020	0.13	0	1,340
JUDD010	181.00	181.50	0.50	399021	4.96	21	587
JUDD010	181.50	182.00	0.50	399022	23.9	57	4,050
JUDD010	182.00	182.54	0.54	399023	10.7	4	5,900
JUDD010	182.54	183.00	0.46	399024	0.76	3	60
JUDD010	183.00	183.45	0.45	399025	1.04	5	6,980
JUDD010	183.45	183.90	0.45	399026	0.47	2	95
JUDD010	183.90	184.30	0.40	399027	3.59	10	198
JUDD010	184.30	184.80	0.50	399028	1.49	4	495

Hole ID	From (m)	To (m)	Interval (m)	Sample ID	Au (ppm)	Ag (ppm)	Cu (ppm)
JUDD010	184.80	185.28	0.48	399029	0.44	2	1,490
JUDD010	185.28	185.78	0.50	399030	5.29	3	3,410
JUDD010	185.78	186.28	0.50	399031	1.36	1	948
JUDD010	186.28	186.78	0.50	399032	0.2	0	502
JUDD010	186.78	187.28	0.50	399033	0.33	1	352
JUDD010	187.28	187.78	0.50	399034	0.96	2	2,170
JUDD010	187.78	188.28	0.50	399035	0.38	1	2,280
JUDD010	188.28	188.71	0.43	399036	32.1	26	8,930
JUDD010	188.71	189.14	0.43	399037	10.25	7	11,900
JUDD010	189.14	189.57	0.43	399038	2.58	7	4,640
JUDD010	189.57	190.00	0.43	399039	1.31	3	2,670
JUDD010	190.00	190.50	0.50	399040	1.2	4	186
JUDD010	190.50	191.00	0.50	399041	0.77	2	58
JUDD010	191.00	191.50	0.50	399042	0.15	0	42
JUDD010	191.50	192.00	0.50	399043	0.99	3	56
JUDD010	192.00	192.75	0.75	399044	0.16	1	426
JUDD010	192.75	193.25	0.50	399045	2.54	13	19,150
JUDD010	193.25	193.75	0.50	399046	1.81	5	8,580
JUDD010	193.75	194.25	0.50	399047	0.03	1	959
JUDD010	194.25	194.75	0.50	399048	0.03	1	1,080
JUDD010	194.75	195.25	0.50	399049	0.06	1	990
JUDD010	195.25	195.75	0.50	399050	0.22	3	3,890
JUDD010	195.75	196.29	0.54	399051	0.03	1	505
JUDD010	196.29	196.73	0.44	399052	0.52	4	5,150
JUDD010	196.73	197.17	0.44	399053	0.56	7	8,370
JUDD010	197.17	197.67	0.50	399055	0.14	1	306
JUDD010	197.67	198.19	0.52	399056	0.28	3	3,380
JUDD010	198.19	198.67	0.48	399057	0.27	4	3,210
JUDD010	198.67	199.17	0.50	399058	0.07	1	1,590
JUDD010	199.17	199.67	0.50	399059	1.13	3	12,800
JUDD010	199.67	200.17	0.50	399060	0.05	1	2,680
JUDD010	200.17	200.67	0.50	399061	0.01	0	110
JUDD010	200.67	201.17	0.50	399062	0.17	1	644
JUDD010	201.17	201.67	0.50	399063	0.42	2	678
JUDD010	201.67	202.17	0.50	399064	0.07	0	523
JUDD010	202.17	202.67	0.50	399065	6.28	3	4,620
JUDD010	202.67	203.17	0.50	399066	0.16	1	3,100
JUDD010	203.17	203.67	0.50	399067	0.75	2	14,400
JUDD010	203.67	204.17	0.50	399068	0.2	1	3,230
JUDD010	204.17	204.67	0.50	399069	0.31	1	3,180
JUDD010	204.67	205.17	0.50	399070	0.01	1	530
JUDD010	205.17	205.67	0.50	399071	0.07	0	141
JUDD010	205.67	206.17	0.50	399072	0.02	1	44
JUDD010	206.17	206.67	0.50	399073	0.03	0	325
JUDD010	206.67	207.17	0.50	399074	0.05	1	1,460
JUDD010	207.17	207.67	0.50	399075	3.83	4	11,450
JUDD010	207.67	208.17	0.50	399076	0.77	2	2,970
JUDD010	208.17	208.67	0.50	399077	0.02	1	2,100
JUDD010	208.67	209.17	0.50	399078	0.04	2	5,820
JUDD010	209.17	209.67	0.50	399079	0.02	1	2,740
JUDD010	209.67	210.17	0.50	399080	0.03	1	5,510
JUDD010	210.17	210.67	0.50	399081	0.02	1	1,350
JUDD010	210.67	211.17	0.50	399082	0.27	5	14,050

Hole ID	From (m)	To (m)	Interval (m)	Sample ID	Au (ppm)	Ag (ppm)	Cu (ppm)
JUDD010	211.17	211.67	0.50	399083	0.07	1	107
JUDD010	211.67	212.17	0.50	399084	0.05	1	66
JUDD010	212.17	212.67	0.50	399085	0.02	1	197
JUDD010	212.67	213.17	0.50	399086	0.06	1	116
JUDD010	213.17	213.70	0.53	399087	0.15	1	1,120
JUDD010	213.70	214.70	1.00	399089	0.01	0	26
JUDD010	214.70	215.70	1.00	399090	0.04	0	24
JUDD010	215.70	216.70	1.00	399091	0.45	0	115
JUDD010	216.70	217.70	1.00	399092	0.13	2	274
JUDD010	217.70	218.40	0.70	399093	0.05	1	195
JUDD010	218.40	218.90	0.50	399094	0.04	1	45
JUDD010	218.90	219.40	0.50	399095	0.67	2	36
JUDD010	219.40	219.90	0.50	399096	0.28	1	27
JUDD010	219.90	220.40	0.50	399097	0.19	1	9
JUDD010	220.40	220.90	0.50	399098	1.31	3	17
JUDD010	220.90	221.40	0.50	399099	1.22	3	27
JUDD010	221.40	221.90	0.50	399100	0.22	1	30
JUDD010	221.90	222.40	0.50	399101	0.1	2	25
JUDD010	222.40	222.90	0.50	399102	0.21	1	10
JUDD010	222.90	223.40	0.50	399103	0.09	1	18
JUDD010	223.40	223.90	0.50	399104	0.01	5	47
JUDD010	223.90	224.45	0.55	399105	0.33	6	113
JUDD010	224.45	225.00	0.55	399106	0.02	0	5
JUDD010	225.00	225.50	0.50	399108	0.41	3	26
JUDD010	225.50	226.00	0.50	399109	0.06	1	18
JUDD010	226.00	226.50	0.50	399110	0.03	2	25
JUDD010	226.50	227.08	0.58	399111	0.13	7	84
JUDD010	227.08	228.08	1.00	399112	0.07	7	183
JUDD010	228.08	229.08	1.00	399113	0.06	1	213
JUDD010	229.08	230.08	1.00	399114	0.01	0	13
JUDD010	230.08	230.81	0.73	399115	0.005	0	22
JUDD010	230.81	231.54	0.73	399116	0.01	0	19
JUDD010	231.54	232.54	1.00	399117	0.01	0	28
JUDD010	232.54	233.18	0.64	399119	0.27	0	31

Appendix III – JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data (Criteria in this section apply to all succeeding sections).

Criteria	Commentary
Sampling techniques	• Diamond core was split in half lengthways and sampled at 0.5 m intervals inside alteration zones and 1.0 m intervals outside this. Half core was retained on site in Juruena for future reference. • Samples were placed in high density plastic sample bags and sealed shut with cable ties. • Sample mass varied according to the sample length, typically mass varied between 1- 6kg.
Drilling techniques	• Coring was done by GEOSOL Brasil using a Sondas MACH-1200 diamond drill rig with conventional wireline technology. It had a capacity of 600 (six hundred) meters deep in HQ diameter and 800 (eight hundred) meters in NQ. • Holes were collared to fresh rock using HQ diametre, and the hole was completed using NQ diametre. • Drilling was standard tube (not triple tube). • Drill hole inclinations ranged from -45 to -77 degrees. • Down-hole surveys were carried out by GEOSOL at the completion of each hole using a MAXIBORE tool. • The drill was oriented every 3m in NQ core using a REFLEX ACT2 tool.
Drill sample recovery	• Diamond core recovery is recorded by measuring the length of core recovered compared to the length drill run. Drill recoveries were considered very good with over 90% of the drill runs > 90% recovery. • Gold mineralisation does not apparently correlate to zones of low sample recovery; sample bias due to poor sample recovery is therefore not believed to be an issue.
Logging	• All drill-holes are geologically and geotechnically logged, and the data stored in a digital database. • Logging of diamond drill-core is a combination of qualitative and quantitative and records: weathering, colour, texture, lithology, alteration, mineralisation, and structure. • The core is also photographed and catalogued.
Sub-sampling techniques and sample preparation	• Diamond drill-core is cut in half lengthways using a diamond saw. The core is consistently cut to the right of a cut/orientation line (looking downhole), and piece of core without the line is sampled. This ensures samples are representative and minimises any bias. • Duplicate samples are routinely done by cutting half of the core for sampling into quarter, and both pieces are analysed. • Sample lengths are determined by geology: 0.5m inside alteration zones and 1.0m outside them. This is considered appropriate for the style of mineralisation.
Quality of assay data and laboratory tests	• Sample preparation was undertaken by ALS Laboratories (Goiania, Brasil). Preparation included: coarse crushing of entire sample, fine crushing to 90% passing 2mm, and pulverising a 1 kg split to 95% passing 106um. • The samples were analysed for Au by ALS Laboratories (Lima, Peru) using Fire Assay Au-AA26 with 50g aliquots followed by Atomic Absorption Spectroscopy (AAS), a technique designed to report total gold. On occasions where 'visible gold' was present or Fire Assay results were >100g/t Au a Screen Fire Assay (Au-SCR24) was requested. These are considered appropriate methods for this style of mineralisation. Additionally, a multi element suite of ME-MS61 48 element 4 acid ICP-MS was done. • Standards (certified reference material), blanks and duplicates were inserted into the sample stream at the rate of 1:20, 1:25 and 1:40 samples, respectively for the sample batches of 50. • Routine analysis of the results of the Blanks, Standards and Duplicates are carried out and any variation away from pre-determined limits are discussed with the lab. Any issues not resolved to Meteoric's satisfaction are re-analysed on a batch basis. No external check laboratory assays have been completed on these samples. • The coarse and pulp sample rejects from the preparation and analytical laboratories were retained and stored at the laboratory, allowing for re-assaying in the future if required. All pulps are stored indefinitely.
Verification of sampling and assaying	• Significant intercepts have been checked and replicated by the Independent qualified person for this release. Meteoric geologists also revisit the drill core for visual inspection and verification. • All drill-hole data is recorded in Microsoft Excel spreadsheets and appended/merged into a Microsoft Access database. The entry of data is controlled by a database administrator. Standardised geological codes and checks have been employed to ensure standardised geological logging and required observations performed. The database is stored by a 'Cloud' storage service. Work procedures exist for all actions concerning data management. • No twin holes were employed in this drilling campaign. • No adjustments or calibrations were made to any assay data .
Location of data points	• Collar surveys are initially performed using handheld GPS with accuracy to ~5m . A licensed surveyor will check the locations using a total station (later in the field season. All drill-holes have been checked spatially in 3D and all obvious errors addressed. • The grid system used for all data types in a UTM projection, SIRGAS2000 Zone 21 Southern Hemisphere. • Topographic control in the area of the drilling is generally poor (+/- 10m), control is made using topographic maps and hand-held GPS.

Criteria	Commentary
Data spacing and distribution	• The drilling carried out is on a variable grid, depending on the targeting stage of the drilling. Grid spacing varies from 25m x 25m to approximate 50m x 50m grid, both horizontally and vertically (in the plane of the mineralised structure, which is sub- vertical). • The density of information is considered insufficient for conducting a mineral resource estimate to the standards required by the JORC 2012 mineral resource code. • No compositing was applied.
Orientation of data in relation to geological structure	• Mineralised structures were targeted and planned to be intersected so that minimal sample bias would occur. All structures were planned to be intersected as perpendicular as possible and to pass through the entire structure . • Wherever possible, all drill holes were oriented to intersect the intended structure perpendicular to the strike and a minimum of 40 degrees to the dip of the mineralised zone. The mineralised structures are visible from within the artisanal miners' workings which allowed drill holes to be oriented to minimise introducing a sample bias. • None of the reported significant intersections are a result of intentional sample bias. There is discussion in the text as to possible true widths.
Sample security	• Sampled core is packed flat in plastic bags and sealed with tape. These individual bags are then put in plastic woven bags which are tied and have a metal seal attached. A packing list (confirming the number of sacks for transport) is prepared and samples are transported by Meteoric staff to commercial transport company in Nova Bandeirantes and recorded on a consignment note. • Upon receipt at the laboratory, samples were checked in and the list of received samples immediately sent back to the company' s database administrator as a security check that all samples were received, and all were fully intact and not opened.
Audits or reviews	• The sampling techniques and data have been reviewed by the Competent Person and are found to be of industry standard. • No audits were completed by any external parties.

Section 2 Reporting of Exploration Results

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

Criteria	Commentary
Mineral tenement and land tenure status	• A full listing of the tenements is shown in Appendix 2. • There is an existing 1% net smelter return payable interests, historical sites, wilderness or national to a previous owner. There are three Garimpo mining licences within the tenement package, allowing the Garimperos to legally work under certain restrictions. The tenements are not subject to any native title interests but is located within the border zone around a national park. Within this border zone further conditions may be required to gain an operating licence. Cattle grazing and legal timber felling are the two primary industries and land uses for the area.
Exploration done by other parties	• Garimperos first discovered the mineralised areas around Juruena in the 1970's . Garimperos have been active in the region since, recovering gold from alluvial, colluvial and some oxidised rock. The area has been explored on and off from the mid 1990's through to the present, with the majority of drilling taking place over the last four to five years. • Madison Minerals Ltd first explored and carried out some drilling evaluation of the Juruena core area in 1995/1996. The drill information of Madison would not be useable in a JORC compliant mineral resource estimate, however Meteoric considers the information relevant from an exploration perspective and will use these results to guide future exploration work. Lago Dourado Minerals drill tested several anomalies and zones from 2010 to 2013. All work undertaken by Lago Dourado Minerals was performed to a JORC compliant standard and the data generated is considered sufficient to be used for a JORC compliant mineral resource estimate, should further results confirm continuity, grade and geological interpretation in the future.
Geology	• The Juruena mineralisation is considered to have resulted from magmatic activity (intrusions and fluids) which could be sourced from a gold rich source rock and concentrated along structural zones. The mineralisation is hosted by Paleoproterozoic volcanic and granitoid rocks of varying composition. The host rocks are found within the Juruena-Rondonia block of the Amazon Craton.
Drill hole Information	• See body of report
Data aggregation methods	• Significant intercepts were calculated using a 0.5 Au ppm lower cut-off, no upper cut, and up to 4m of consecutive dilution. Sample intervals were not equal to 1 m were weight averaged.
Relationship between mineralisation widths and intercept lengths	• As far as practically possible and with the geological interpretation available, The drill targets were tested with the aim of intersecting the interpreted mineralised structure as perpendicular as possible to the strike. All positive holes to date intersected the mineralisation are minimum of 40 degrees to the dip, which will cause a slight overstatement of the actual intercept width. All results are reported as downhole widths.
Diagrams	• See included Figure(s) in the announcement.
Balanced reporting	• Results are reported from all significant intercepts in Appendix 1.
Other substantive exploration data	• Metallurgical results are mentioned in the body of the report, there has been no bulk testwork.
Further work	• Further work is discussed in the body of the report.

Appendix IV: Table of Brazil Licences for Juruena and Novo Astro Projects

Claim No.	Status	City	Ownership %
866.079/2009	Granted Exploration Permit	NOVA BANDEIRANTES/ MT	100%
866.081/2009	Granted Exploration Permit	COTRIGUAÇU/MT, NOVA BANDEIRANTES/ MT	100%
866.082/2009	Granted Exploration Permit	COTRIGUAÇU/MT, NOVA BANDEIRANTES/ MT	100%
866.084/2009	Granted Exploration Permit	NOVA BANDEIRANTES/ MT	100%
866.778/2006	Granted Exploration Permit	NOVA BANDEIRANTES/ MT	100%
866.531/2015	Granted Exploration Permit	COLNIZA/MT, COTRIGUAÇU/MT	100%
866.532/2015	Granted Exploration Permit	COTRIGUAÇU/MT	100%
866.533/2015	Granted Exploration Permit	COLNIZA/MT, COTRIGUAÇU/MT	100%
866.534/2015	Granted Exploration Permit	COLNIZA/MT, COTRIGUAÇU/MT	100%
866.535/2015	Granted Exploration Permit	COLNIZA/MT, COTRIGUAÇU/MT	100%
866.537/2015	Granted Exploration Permit	COLNIZA/MT, COTRIGUAÇU/MT	100%
866.538/2015	Granted Exploration Permit	COTRIGUAÇU/MT	100%
866.085/2009	Granted Exploration Permit	NOVA BANDEIRANTES/ MT	100%
866.080/2009	Granted Exploration Permit	NOVA BANDEIRANTES/ MT	100%
866.086/2009	Granted Exploration Permit	NOVA BANDEIRANTES/ MT	100%
866.247/2011	Granted Exploration Permit	NOVA BANDEIRANTES/ MT	100%
866.578/2006	Granted Exploration Permit	NOVA BANDEIRANTES/ MT	100%
866.105/2013	Granted Exploration Permit	NOVA BANDEIRANTES/ MT	100%
866.934/2012	Granted Exploration Permit	COTRIGUAÇU/MT	100%
866.632/2006	Granted Exploration Permit	NOVA BANDEIRANTES/ MT	100%
866.633/2006	Granted Exploration Permit	NOVA BANDEIRANTES/ MT	100%
866.294/2013	Granted Exploration Permit	NOVA BANDEIRANTES/ MT	100%
866.513/2013	Granted Exploration Permit	COTRIGUAÇU/MT, NOVA BANDEIRANTES/ MT	100%
867.246/2005	Granted Exploration Permit	NOVA BANDEIRANTES/ MT	100%