

SILVER MINERALISATION AT CUITABOCA SOUTHERN AND CENTRAL SECTORS - STRIKE LENGTH DOUBLED MOJARDINA

1 March, 2016. Additional diamond saw sampling by Santana Minerals Limited ("Santana") in the Southern and Central Sectors of the Cuitaboca Project, Sinaloa, Mexico (**Figure1**) has provided further confirmation of silver mineralisation.

The Southern Sector Mojardina Loop (**Figures 2-4**) - North-South strike length extends to over 1km with broad intercepts - bulk tonnage silver potential (see **Table 1** for all channel sample results). Importantly 'Evangelina' a new zone of bulk silver mineralisation, has a combined intercept of **61m** @ **61** g/t Ag - all in vein stockwork (**Figure 3**).

Highlights – Sawn Channel samples:

Mojardina 'Loop' (MJTR)- Southern Sector

- > 61m @ 61 g/t Ag (MJTR001+020)
- > 37m @ 51 g/t Ag (MJTR020)
- > 8m @ 119 g/t Ag (MJTR020)
- > 5m @ 60 g/t Ag (MJTR022)
- > 12m @ 60 g/t Ag (MJTR023)
- > 12m @ 71 g/t Ag (MJTR024)
- > 12m @ 102 g/t Ag (MJTR025)

Previously reported

- > 8m (a) 114g/t Ag (MJTR-001)
- > 3m @ 401g/t Ag (MJTR-005)
- > 9m (a) 313g/t Ag (MJTR-009)
- > 2m @ 301g/t Ag (MJTR-010)
- ➤ 4m @ 241g/t Ag (MJTR-011)
- > 3m @ 87g/t Ag (MJTR-012)
- > 3m @ 105g/t Ag (MJTR-014)
- > 5m @ 138g/t Ag (MJTR-015)
- > 3m @ 196g/t Ag (MJTR-016)
- ► 6m @ 0.27 g/t Au and 123 g/t Ag (SETR004)

The Central Sector Jesus Maria Breccia and Manguito zone (**Figure 5**) - North-South strike length exceeding 300m and broad widths of silver mineralisation interpreted to be over 30m width given current exposures. (see **Table 2** for all channel sample results)

Highlights – Sawn Channel samples

Jesus Maria and Manguito – Central Sector

- > 12m @ 110 g/t Ag (JMTR006)
- > 3m @ 89 g/t Ag (JMTR007)

P +61 7 3221 7501 santanaminerals.com Mail PO Box 1639, Milton LPO, Qld 4064 Australia



Discussion:

Broad zones of silver mineralisation have been defined at the Cuitaboca Southern and Central Sectors (ASX announcements: 11th and 14th January 2016). These zones have materially expanded by additional field work in February 2016.

The primary objective of the most recent work programs (December 2015 and February 2016) was to identify zones of potential bulk tonnage silver + gold mineralisation.

The earlier programs that identified, mapped and rock chip sampled the vein structures, in many instances parallel veins, led to the interpretation that they formed part of a broad stockwork system in parts of the geometry of the mineralised structures which host the veins. At flexures of the interpreted host structures wider than previously recognised vein mineralisation was evident. The recent programs used a diamond saw to cut outcropping vein systems in a geologically unbiased manner as a method to evaluate the tonnage potential for the principal veins and associated multi veined quartz sulphide stockwork. For future resource estimation work, these trenches can be included as drill holes in JORC estimates if surveyed and proper QAQC has been carried out to JORC 2012 Standards.

Tables of sawn channel assay results and location follows (**Tables 1 and 2**).

In the **Southern Sector** the Mojardina Loop now extends N-S strike length over 1km and is at least 200m in width and intercepts such as MJTR020 are restricted by outcrop. Wider intercepts are speculated to be returned from drilling below these surface results. Drilling will also test more than one of the parallel veins of the Mojardina Loop system where across strike width is at least 200m. **Figure 2** assists in showing a broad zone for the Mojardina Loop area named Evangelina which, along with Las Animas, Topanco, and Negrita, will be subject to 3D modelling in planning drill targets.

In the **Central Sector** at the Jesus Maria /Manguito zone stockwork extends the N-S strike length over 400m of >10m width grading over 100g/t Ag. The geometry of the breccia veins and interpreted controlling structures is developing to resemble the Mojardina Loop in terms of changing orientation of the host veins resulting in stockwork zones being developed.



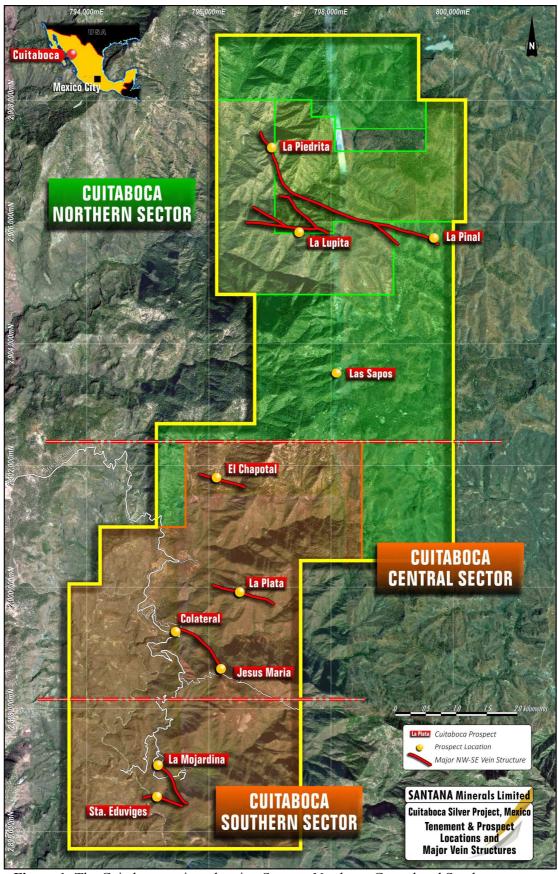


Figure 1: The Cuitaboca project showing Sectors: Northern, Central and Southern



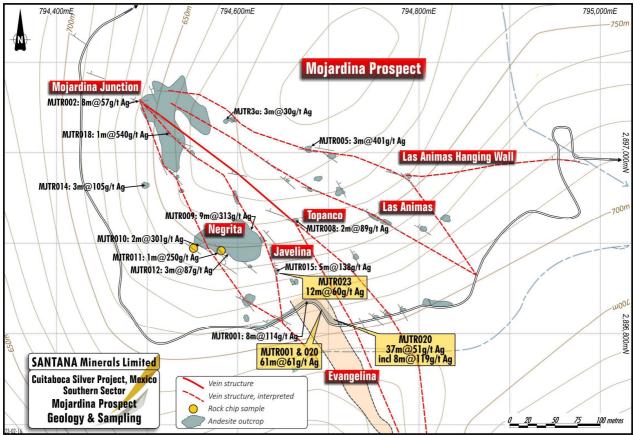


Figure 2: A broad zone for the Mojardina Loop area has been defined and along with Las Animas, Topanco, and Negrita, will be subject to 3D modelling in order to plan drill targets

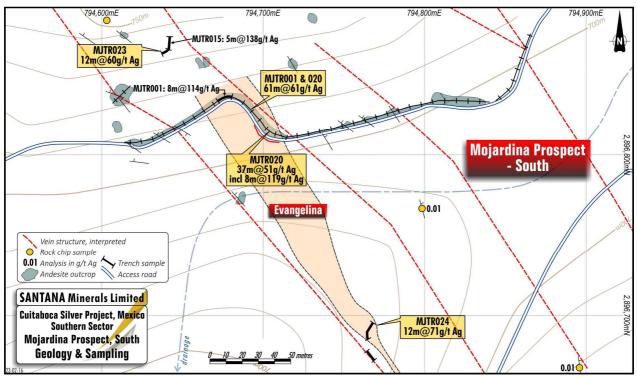


Figure 3: A broad zone for silver mineralisation named Evangelina has been defined and will be subject of drilling in future exploration campaigns



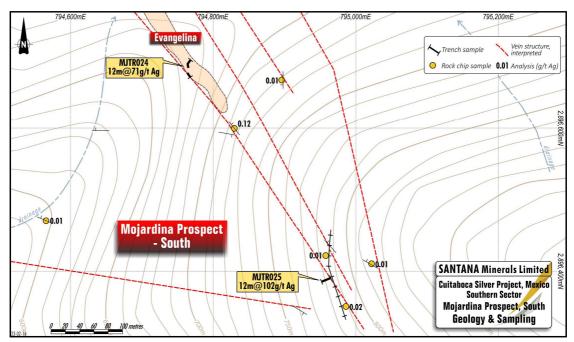


Figure 4: Mojardina has had an additional 500m of strike added with the sawn trench MJTR025 for Evangelina of a total of 1 kilometre and average 10m width and grade greater than 100 g/t Ag. Trenches range in vertical setting suggesting at least 100m of depth continuity

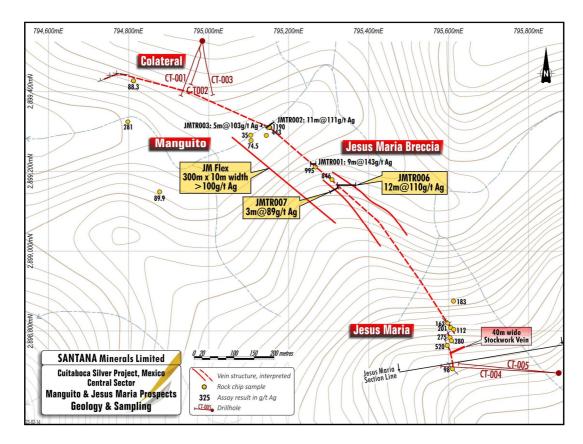


Figure 5. Jesus Maria now has proven zone of > 10m width stockwork grading over 100 g/t Ag over 400m of strike with the discovery on new parallel zones as per JMTR007. Geometry of the breccia veins and controlling structures is starting to resemble Mojardina in terms of changing orientation of the host veins resulting in stockwork zones being developed.



Table 1: CHANNEL SAMPLE RESULTS SOUTHERN SECTOR

MOJARDINA

Trench_ID	From m	To m	Element	Width m	Grade g/t
MJTR-001	0	8	Ag	8	114
MJTR-002	4	5.7	Ag	1.7	107
MJTR-003	0	2.8	Ag	3	30
MJTR-004	0	6	Ag	6	5
MJTR-005	0	3	Ag	3	401
MJTR-006	0	4.4	Ag	4.4	7
MJTR-007	0	1	Ag	1	5
MJTR-008	7.6	8.6	Ag	1	80
MJTR-009	0	9.1	Ag	9.1	314
MJTR-010	0	2	Ag	2	300
MJTR-011	0	4	Ag	4	241
MJTR-012	6	8.6	Ag	2.6	87
MJTR-013	0	2	Ag	2	25
MJTR-014	0	3	Ag	3	105
MJTR-015	0	5	Ag	5	138
MJTR-016	0	3	Ag	3	196
MJTR-017	1	1.8	Ag	1.8	33
MJTR-018	0	1	Ag	1	540
MJTR-019	0	10	Ag	10	14
MJTR-020	0	37	Ag	37	51
MJTR-020	13	22	Ag	8	119
MJTR-021	5	16	Ag	11	31
MJTR-022	102	107	Ag	5	60
MJTR-023	4	16	Ag	12	60
MJTR-024	0	12	Ag	12	71
MJTR-025	0	12	Ag	12	102

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Trench_ID	From	То	Element	Width	Grade
SETR-001	0	6.9	Ag	6.9	1.5
SETR-002	0	6.6	Ag	6.6	1.4
SETR-003	0	4.2	Ag	4.2	1
SETR-004	0	6.9	Ag	6.9	123
SETR-005	0	6.9	Au	6.9	0.24



Table 2: CHANNEL SAMPLE RESULTS CENTRAL SECTOR

JESUS MARIA

Trench_ID	From	То	Element	Width	Grade
JMTR-001	4	13	Ag	9	143
JMTR-002	0	11.8	Ag	11.8	104
JMTR-003	1	5	Ag	5	103
JMTR-004	0	15	Ag	15	9
JMTR-005	0	3	Ag	3	14
JMTR-006	0	9	Ag	9	110
JMTR-007	0	3	Ag	3	89

About Cuitaboca Project:

The Cuitaboca Project is in an area covered by the 5,100Ha mining concessions and consists of a series of veins with sulphide mineralisation carrying high grade silver and low grade polymetallic minerals. There are now at least nine well defined vein systems that outcrop and have observable thicknesses of between 0.5m to 4m wide. The area is dominated by andesite flows and tuffs of the lower volcanic group with minor rhyolites of the upper volcanic group at higher elevations.

The main vein structures are La Lupita – El Pinal, La Piedrita and Blanca Esthela prospects in the Northern Sector of the Cuitaboca Project, Los Sapos, Chapotal, La Plata, Colateral and Jesus Maria in the Central Sector and the Mojardina and Santa Eduwiges veins in the Southern Sector.

Santana has a contractual right to earn to an 80% interest in the Cuitaboca Project through a combination of work commitments and payments following which it enters into a joint venture on an 80:20 contribution basis.

For further information, please contact: Tony McDonald, Managing Director +61 7 3221 7501 or admin@santanaminerals.com

About Santana

Santana is a precious metals explorer focused on Mexico where it owns 100% of the Namiquipa (silver/lead/zinc) project in Chihuahua and is earning into ownership of the Cuitaboca Ag-Au polymetalic project in Sinaloa.

Additional information about Santana and its projects is available on the website: www.santanaminerals.com

Competent Person/Qualified Person

The information in this report that relates to exploration targets, exploration results, mineral resources or ore reserve is based on information compiled by Mr Jason Beckton, who is a Member of the Australian Institute of Geoscientists. Mr Beckton is a part time consultant to Santana. Mr Beckton has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which 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 Beckton consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

JORC Code, 2012 Edition – Table 1 CUITABOCA EXPLORATION PROGRAM REPORT:

A. DIAMOND SAW CHANNEL Sampling – Southern and Central Zones

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	 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. 	DIAMOND SAW SAMPLING Sawn Channel samples were collected of argentite-galena-sphalerite bearing quartz veins, and zones of silicification, within Tertiary volcanics under the supervision of a qualified geologist. Sample locations were surveyed with a handheld GPS then permanently marked with an aluminum tag. Representative sawn cut samples of 2-3Kg weight were taken across the strike of the outcrop over 1 metre intervals except where noted. Intervals were cut at right angles to assist in later surveying duties. Standards inserted and photographs taken of each interval sampled which averaged 1m.
Drilling techniques	 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). 	NO DRILLING IN THIS PROGRAM.
Drill sample recovery	 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. 	NO DRILLING IN THIS PROGRAM.
Logging	 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. 	Sawn Channel samples were geologically and structurally logged under the supervision of a qualified geologist.

Criteria	JORC Code explanation	Commentary
	 Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. The total length and percentage of the relevant intersections logged. 	Sawn Channel samples were measured for metal sulphide and host quartz content and orientation.
Sub-sampling techniques and sample preparation	 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 subsampling 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. 	 Sawn Channel samples were a width of at least 3cm and approximate sample support of half core NQ from diamond drilling, ie sample diameter of 56mm, being a half core sample of that.
Quality of assay data and laboratory tests	 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. 	 Diamond Saw Trench Sampling Samples are stored in a secure location and transported to the ALS laboratory in Hermosillo for sample preparation of fine crush, riffle split and pulverizing of 1kg to 85% < 75μm. Pulps are analyzed by ALS Vancouver (Canada) using method code ME-ICP61a, a 33 element determination using a four acid digestion, Au-AA26.
Verification of sampling and assaying	 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. 	 Diamond Saw Trench Sampling Laboratory CSV files are merged with GPS Location data files using unique sample numbers as the key. No adjustments made to assay data
Location of data points	 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. 	 <u>Diamond Saw Trench Sampling</u> Samples are located using handheld GPS receivers. UTM projection WGS84 Zone 12N. The topographic control, using handheld GPS, was adequate for the survey.
Data spacing and distribution	 Data spacing for reporting of Exploration Results. Whether the data spacing and distribution is sufficient 	Diamond Saw Trench Sampling Results will not be used for resource estimation prior to any supporting drilling being carried out.

Criteria	JORC Code explanation	Commentary		
	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.	No compositing has been applied.		
Orientation of data in relation to geological structure	 Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material. 	 Diamond Saw Trench Sampling Representative rock chip samples of 2-3Kg weight are taken across the strike of the outcrop over 1metre intervals except where noted. No bias is believed to be introduced by the sampling method. This method was employed to remove bias from previous rock chip sampling. 		
Sample security	The measures taken to ensure sample security.	 Samples were delivered to ALS Minerals laboratory in Hermosillo by Santana geologist and were not left unattended at any time. 		
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No audits or reviews of the data management system have been carried out.		

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	 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 license to operate in the area. 	 Santana Minerals, through subsidiaries and contractual rights, holds an option to acquire 80% of the Cuitaboca Project which consists of 100% of the mining concessions: El Chapotal (126ha), San Rafael (528ha), Nuestra Senora del Carmen (79.46ha), San Pedro (29ha), Jesus Maria (13.6ha), San Rafael II (540ha), Cuitaboca (2,402ha) and Las Sapos (1,386ha). The commercial terms consist of multiple option payments which form part of a total purchase price of US\$3.5M. The seller retains a 2.5% Net Smelter Royalty. The laws of Mexico relating to exploration and mining have various requirements. As the exploration advances specific filings and environmental or other studies may be required. There are ongoing requirements under Mexican mining laws that will be required at each stage of advancement. Those filings and studies are maintained and updated as required by Santana's environmental and permit advisors specifically engaged for such purposes.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	The first report of mining in the Cuitaboca area was between 1760 and 1810 with small scale mine workings. In 1883 American and English investors took control of the Cuitaboca mining operations which continued for nearly a century. Between 1974 and 1975 Servicios Industriales Penoles undertook systematic exploration using surface and underground geological mapping and the collection of 180 samples. In 2006 Canadian-based First Majestic acquired the property after a merger with First Silver Reserve and initiated >300m of underground development at Colateral Mine which

Criteria	JORC Code explanation	Commentary
		delineated a quartz-galena-sphalerite vein that reported elevated Ag-Pb-Zn. First Majestic withdrew from the project in late 2008 and retained no interest.
Geology	Deposit type, geological setting and style of mineralisation.	Within the Cuitaboca project area there have been 9 discreet polymetallic low sulphidation epithermal Ag-Au veins recognised that have undergone historical manual mining. Other low sulphidation epithermal polymetallic Ag-Au vein deposits host most ore within ore shoots at the coincidence of ore controls defined as: competent host rocks, dilatant structures, higher Au-Ag grade mineralisation styles and efficient mechanisms of Au-Ag deposition.
		Host rocks identified as interlayered Cretaceous age andesitic lavas, volcanics and volcaniclastic rocks and lesser rhyolites of the Sierra Madre Occidental Volcanics, have been placed in a stratigraphic succession as an aid to the delineation of the andesite flows, and locally welded tuffs, recognised as the most favourable rocks to host through going fissure vein mineralisation. In the Colateral adit the transition from incompetent lapilli tuff to competent andesite host rocks corresponds to a 110% increase in Ag and 250% increase in Au grades. An exploration target occurs where competent andesite is interpreted to underlie incompetent tuff.
		Mineralised veins lie within nine NW-SE (120°TN) trending structures interpreted as listric style normal faults formed in association with regional extension within the Sierra Madre. NW trending vein dips vary from steep to moderate and may locally display a relationship to rock competency as moderate dipping structures refract to steeper dips in the more competent andesites. Steeper dips mostly host better veins within listric faul environments. Using a structural model derived from Palmarejo, no dilatant flexures were identified as changes in the strike of veins from NW towards the WNW-EW, where steep dipping veins should host core shoots. Interpretation of the regional digital terrain model suggests NNE trending transfer structures might segment the listric faults and contribute towards the localisation of mineralisation.
		The historically mined Cuitaboca polymetallic Ag-Pb-Zn (± Au) bearing epithermal quartz veins comprise dominantly banded and brecciated quartz with galena, mostly yellow sphalerite, argentite, tetrahedrite, pyrite, chalcopyrite and gangue of carbonate (calcite and rhodochrosite), barite and fluorite. The adjacent wall rocks display K-feldspar and retrograde chlorite-illite/smectite alteration
Drill hole Information	 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: 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. 	. 3

Diamond Saw Trench Coordinates. IN due course these trenches will be surveyed currently coordinate is by GPS in grid system WGS84 12N. These sawn trenches are not drill holes but subsequent to surveying azimuths and dips will be recorded for each individual 1 metre contiguous sample.

Trench_ID	X_East	Y_North	Z_RL	Length m
MJTR-001	794672.94	2896833.81	715	8
MJTR-002	794493.92	2897049.93	740	17.7
MJTR-003	794509.71	2897069.88	745	6.8
MJTR-004	794525.26	2897055.42	755	6
MJTR-005	794587.17	2897036.86	780	3
MJTR-006	794596.16	2897032.81	780	4.4
MJTR-007	794634.79	2896989.18	780	1
MJTR-008	794632.56	2896985.63	780	8.6
MJTR-009	794609.07	2896924.29	760	9.1
MJTR-010	794587	2896888.71	745	2
MJTR-011	794551	2896892.93	745	4
MJTR-012	794610	2896893.69	745	8.6
MJTR-013	794624	2896916.33	755	2
MJTR-014	794505	2896964.08	745	3
MJTR-015	794642	2896871.35	735	5
MJTR-016	794811	2896912.22	745	3
MJTR-017	794511	2896970.82	755	1.8
MJTR-018	794527	2897015.52	755	1
MJTR-019	794663.98	2896827.73	713	10
MJTR-020	794680.03	2896836.29	722	100
MJTR-021	794611.92	2896916.55	783	17
MJTR-022	794634.03	2896920.96	779	18
MJTR-023	794636.7	2896863.4	752	5
MJTR-024	794767.8	2896695.56	702	11
MJTR-024a	794764.39	2896677.77	701	6
MJTR-025	794964	2896393.06	815	13

Criteria	JORC Code expla	nation				Commentary	
	SETR-001	794476.52	2896410.81	580	6.9		
	SETR-002	794495.18	2896427.66	580	6.6		
	SETR-003	794489.75	2896425.77	580	4.2		
	SETR-004	794492.13	2896415.82	580	6.9		
	JMTR-001	795269	2899218.26	810	13		
	JMTR-002	795258	2899213.62	775	14.3		
	JMTR-003	795136	2899298.58	775	8		
	JMTR-004	795105.98	2899294.02	772	16		
	JMTR-005	795266.05	2899204.01	846	3		
	JMTR-006	795321.99	2899164.02	862	9		
	JMTR-006a	795312.71	2899170.88	860	4		
	JMTR-007	795349.26	2899161.34	845	3		
	 grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated. Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. The assumptions used for any reporting of metal equivalent values should be clearly stated. For intervals of less than standard 1 metre width included within 1 metre standard intercepts, a Sum Product weighted average was used. For intervals of less than standard 1 metre width included within 1 metre standard intercepts, a Sum Product weighted average was used. 					or lengths ome	
Relationship between mineralisation widths and intercept lengths	 The serific assumptions used to any reporting of metal equivalent values should be clearly stated. These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known'). All sampled intervals are reported and no lower cut is applied as campaign is a geological investigation of bulk grades of entire mineralised system. 						
Diagrams	for any signific	ant discovery bein	g reported These s	should include	ntercepts should be i e, but not be limited t		
Balanced reporting	Where compre reporting of bo	 view of drill hole collar locations and appropriate sectional views. 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. Results for all samples collected in this program are displayed on the attached maps and/or Tables. 					
Other substantive exploration data	Other exploration to: geological samples – size						
Further work	 The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. 						