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## Eureka auger programme delineates extensive gold anomaly

- A large 1.2km by 800m gold anomaly delineated approximately 1.2km south of Eureka Pit from recently completed auger programme
- Auger results up to 29.9g/t gold with multiple hits exceeding 100ppb gold orientated within a north – south trending envelope
- Geochemical anomaly coincident with structural setting similar to nearby Zoroastrian (530Koz) and Excelsior (354Koz) Deposits
- Hosted within the Bardoc Tectonic zone and Black Flag sequence that is host to the Broad Arrow and Paddington Gold mines to the south (>4Moz)
- Area not previously tested with any drilling although several shallow historical workings are present – zone is mostly covered by shallow cover with very limited outcrop
- Company fast-tracking 5000m+ aircore programme with drill rig confirmed to commence last week of June 2021

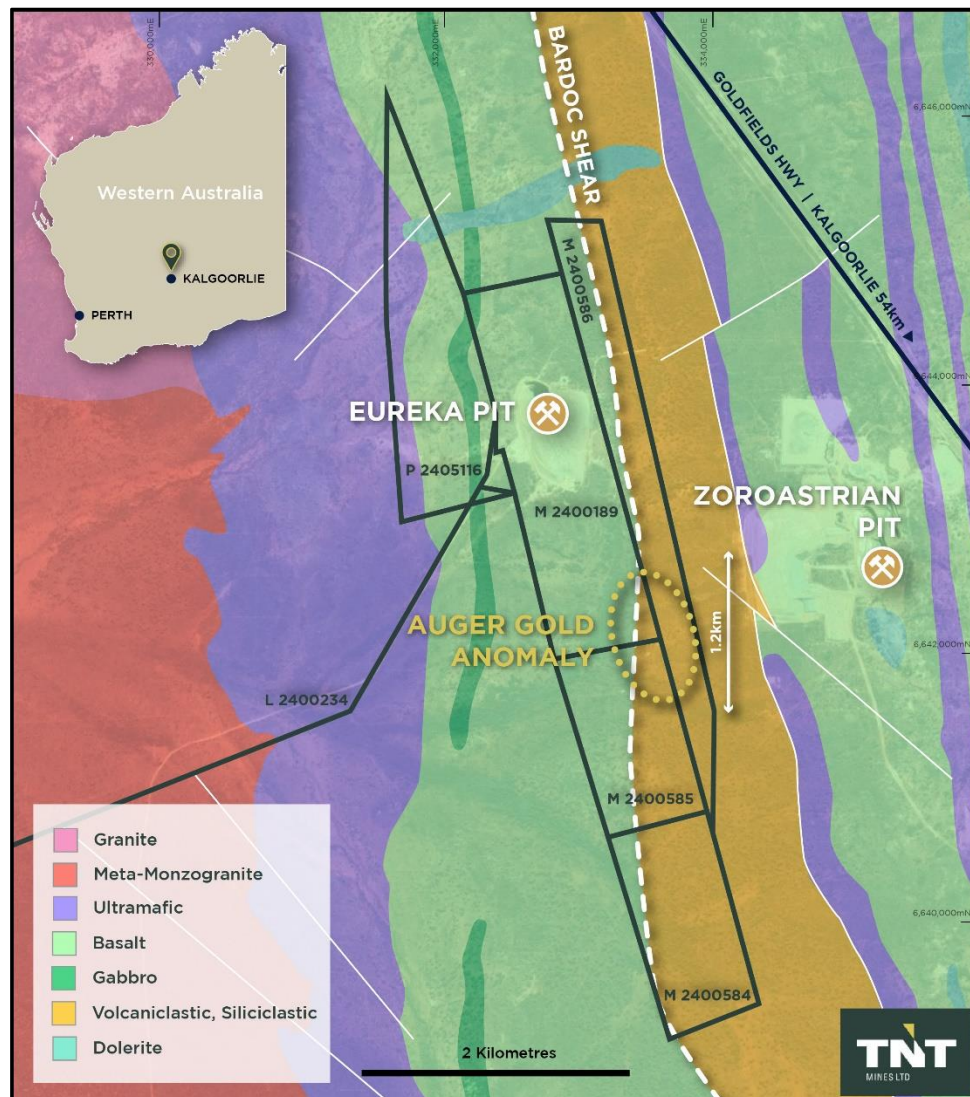


Figure 1; Location map with regional Geology and Geochemical Anomaly

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**Extensive Au Anomaly**

TNT Mines Ltd (ASX: TIN) ("TNT" or the "Company") is pleased to report the results of the regional auger geochemical programme recently completed over the entire Eureka tenement package.

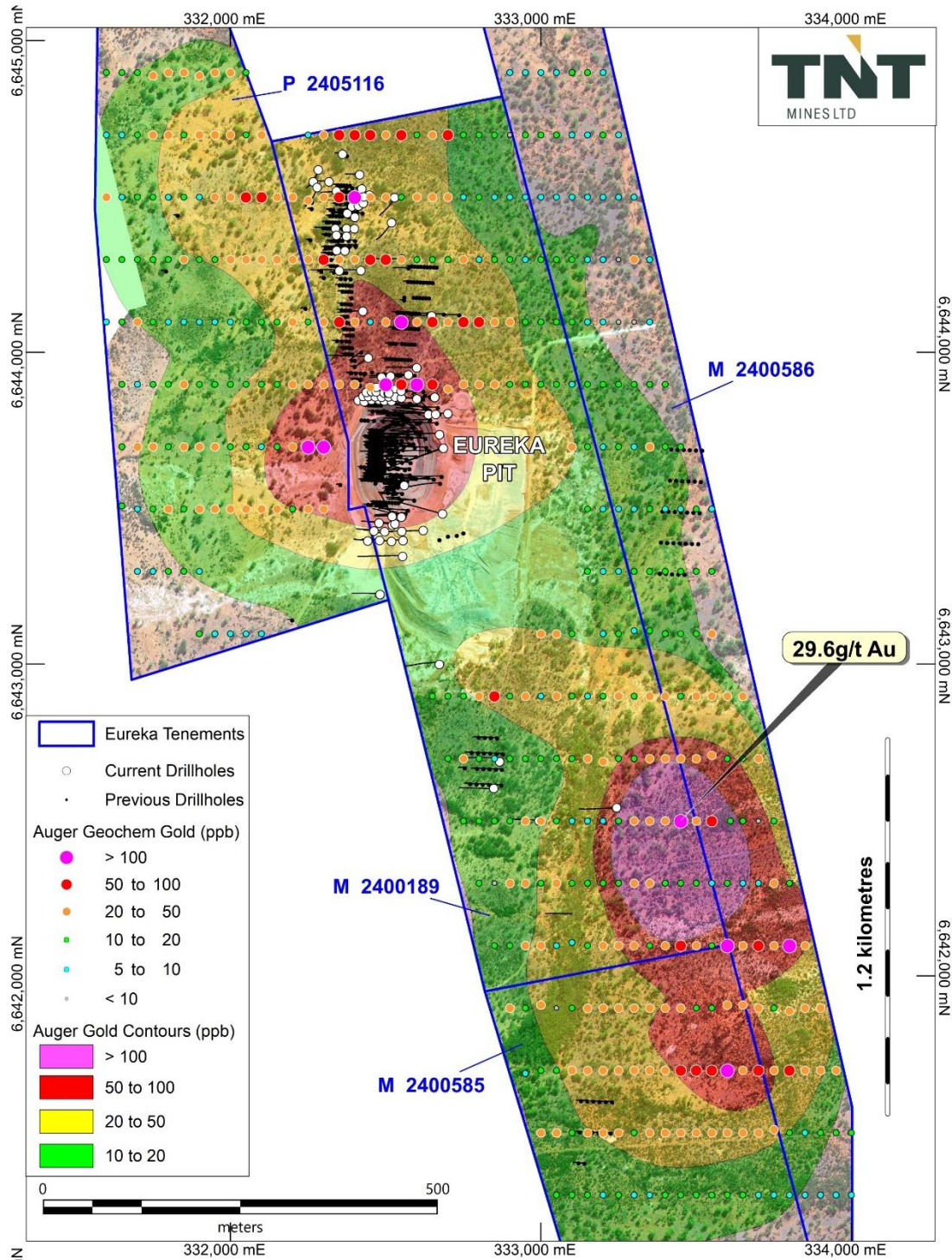


Figure 2; Auger Geochemical Au in ppb overlying satellite image

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A total of 643 sample sites were investigated via the use of a truck mounted auger drill. The auger sites varied from 0.5m to 2m in depth from surface, whereupon a 500g sample was obtained from the end of hole and submitted for analysis.

Multiple auger samples reported in excess of 100ppb with one site reporting **29.9g/t gold**. The samples were reported from sample lines over an interpreted strike of approximately 1,200m. Gold results in excess of 100ppb gold were also reported above the recently drilled northern high-grade area and laterite outcrop north of the pit area.

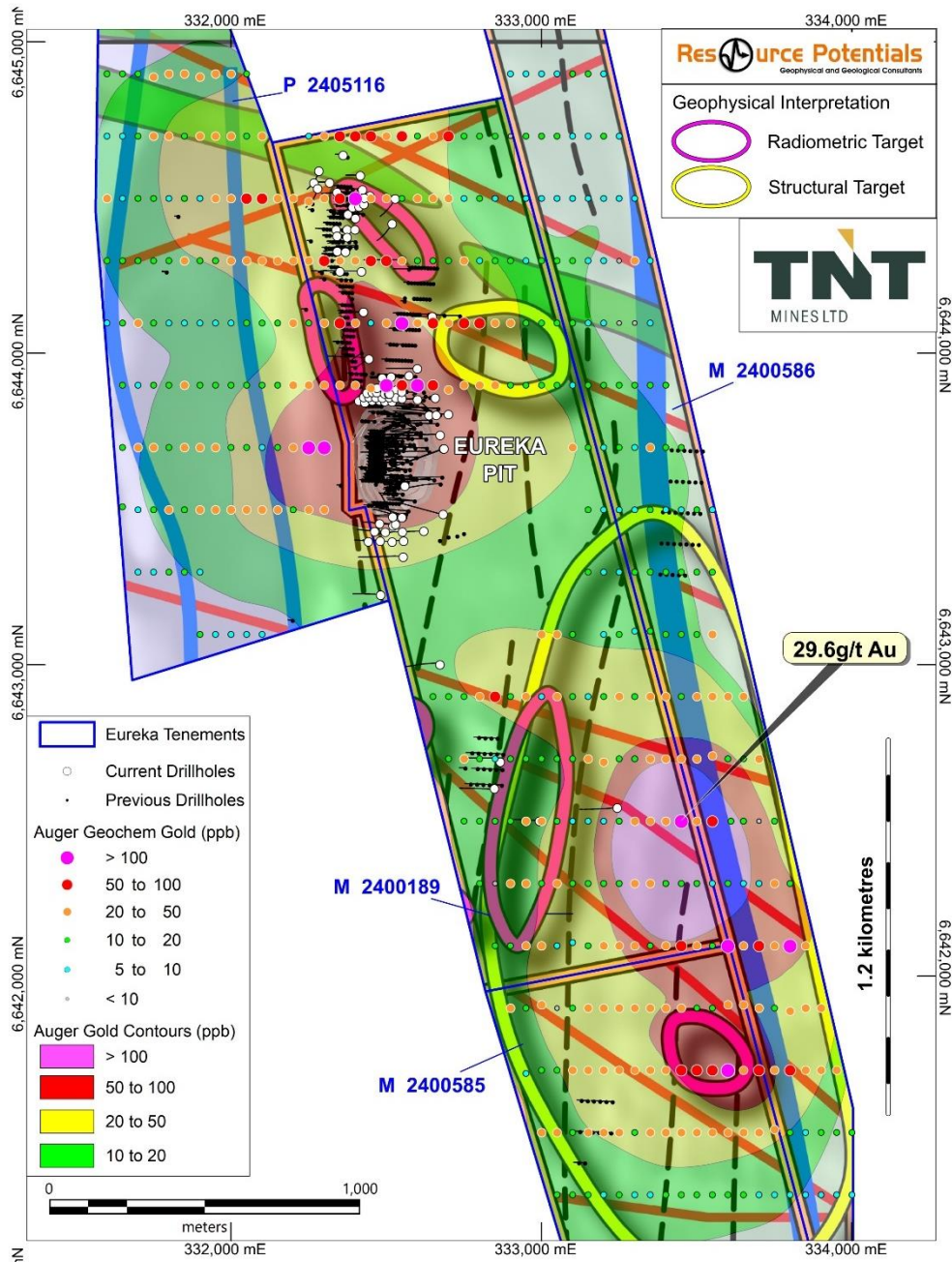


Figure 3; Auger Geochemical Au in ppb overlain on Geophysical and Structural Interpretation

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The samples were collected on 200m metre spaced east-west trending lines at 50m intervals to best test the NE-SW trending regional mineralised trend within the Bardoc Tectonic zone and the potential for NW-SE trending interpreted tensional structures.

A recently completed geophysical interpretation and targeting study carried out by Resource Potentials had identified several high priority targets based upon structural and geological interpretation of filtered magnetic and gravity images. The study was principally aimed at identifying high-level stratigraphic trends, fault jogs, dyke units, sheared contacts and brittle faults and also K (potassium) anomalies from the radiometric data.

The auger geochemical results show a strong correlation with the location and orientation of the high priority fault bounded area which is giving a similar geophysical expression to the Zoroastrian deposit located less than 1.4km directly to the east. Of note, the gold anomaly identified is located directly above a major regional inflection point within the Bardoc Shear, and this series of coincident factors has developed a compelling gold target.

### **Next Steps**

The TIN Board has approved a follow up aircore blade drill programme designed to test the entirety of the anomaly on a 200m x 50m grid and down to blade refusal depth. The drilling will be conducted on east-west trending lines with an overlapping inclined pattern design aimed at obtaining the best possible coverage over the anomalous zone. The programme has been budgeted to cost approximately AUD\$160,000 and is scheduled to commence within the next fortnight.

**CEO Matthew Boyes commented on these initial drill results,** *“The results from the Eureka Auger Geochem programme are very exciting due to the size and magnitude of the anomaly and a series of coincident factors such as the favorable structural setting, the prospective host and the lack of any significant historical exploration over the area. We are pushing the advancement of the drilling programme as fast as possible and have secured a rig which will be on the ground within the next fortnight”*

**Ends**

**Authorised for ASX lodgment by the Board.**

**For further information, please contact:**

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### **Competent Persons Statement**

*Exploration information in this Announcement is based upon work undertaken by Mr Matthew Boyes who is a Fellow of the Australasian Institute of Mining and Metallurgy (AUSIMM). Mr Boyes has sufficient experience that 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' (JORC Code). Mr Boyes is an employee of Great Boulder Resources and consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.*

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## JORC Code, 2012 Edition – Table 1

### Section 1 Sampling Techniques and Data

Criteria	Commentary
<b>Sampling techniques</b>	<ul style="list-style-type: none"> <li>All samples were collected from 4WD mounted auger drill at the base of the hole or once in situ regolith had been intersected or HCL calcrete effervescence confirmed</li> <li>This method of sampling is considered to be appropriate for this style of exploration</li> </ul>
<b>Drilling techniques</b>	<ul style="list-style-type: none"> <li>All drilling was completed by Bullabulling Operations Pty Ltd</li> <li>Industry standard drilling methods and equipment was utilised</li> </ul>
<b>Drill sample recovery</b>	<ul style="list-style-type: none"> <li>No sample recovery was calculated or recorded for this program</li> <li>Sample condition was recorded for every metre including noting presence of water or minimal sample return</li> </ul>
<b>Logging</b>	<ul style="list-style-type: none"> <li>Geological logging of all auger sites was carried out, noting calcrete depth if intersected and major lithology type plus sample depth</li> <li>Logging is not suitable to support Mineral resource estimates and subsequent mining studies</li> </ul>
<b>Sub-sampling techniques and sample preparation</b>	<ul style="list-style-type: none"> <li>Samples were collected using a plastic scoop to reduce any potential for metallic contamination with approximately 500g of sample inserted into a sealable plastic sample bag and double bagged to reduce any potential sample loss and cross contamination</li> <li>All batches sent to lab included duplicate and industry standard CRM's inserted at suitable frequency within the sample batches</li> </ul>
<b>Quality of assay data and laboratory tests</b>	<ul style="list-style-type: none"> <li>All samples were prepared and assayed by industry standard techniques and methods</li> <li>All samples were analysed via 25g Aqua Regia digest with ICP-MS</li> </ul>
<b>Verification of sampling and assaying</b>	<ul style="list-style-type: none"> <li>Certified reference material and duplicates were inserted at approximately every 50 samples</li> <li>A third party independent database consultant has processed and verified the QAQC data and sampling interval data</li> </ul>
<b>Location of data points</b>	<ul style="list-style-type: none"> <li>Auger site locations were supplied by the client to Bullabulling Operations Pty Ltd who utilised a hand held GPS unit to localise the sampling sites, accuracy is expected to be within +/- 5m of the design Easting and Northing coordinates</li> </ul>

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Criteria	Commentary
<b>Data spacing and distribution</b>	<ul style="list-style-type: none"> <li>Auger spacing was consistent throughout the design programme, a base 200m by 50m grid was utilised</li> <li>Spacing is considered appropriate for this style of exploration and development drilling</li> </ul>
<b>Orientation of data in relation to geological structure</b>	<ul style="list-style-type: none"> <li>The auger grid was designed to give the highest chance of identifying North East-South-West trending mineralised units which are considered to be the most prospective structurally controlled direction in the area</li> </ul>
<b>Sample security</b>	<ul style="list-style-type: none"> <li>All samples were collected processed and delivered directly to Intertek Labs in Perth</li> </ul>
<b>Audits or reviews</b>	<ul style="list-style-type: none"> <li>None carried out</li> </ul>

## Section 2 Reporting of Exploration Results

Criteria	Commentary
<b>Mineral tenement and land tenure status</b>	<ul style="list-style-type: none"> <li>Auger sampling was carried out on 5 separate tenements, two mining and one prospecting licence M24/189, P24/5116, M24/584, M24/585 and M24/586 all controlled 100% by TNT Mines through its 100% owned subsidiary Warriedar Mining Pty Ltd. The tenements are located 51.5km North of Kalgoorlie at the existing Eureka mine site</li> <li>All tenements are in good standing at the time of the programme</li> </ul>
<b>Exploration done by other parties</b>	<ul style="list-style-type: none"> <li>Eureka Mine site has been mined for the most part in the early 1990's and then subject to tribute mining in 2018. Limited exploration has been carried out since the 1990's with drilling located close to existing pit with the objective of following the existing mineralisation down dip</li> </ul>
<b>Geology</b>	<ul style="list-style-type: none"> <li>The Eureka gold project is located within a sequence of mafic and ultramafic rocks forming part of the Kalgoorlie-Menzies sector of the Norseman to Wiluna Greenstone belt. The sequence is approximately 6 kilometres wide with a northerly trend. In the vicinity of the Eureka mine the sequence generally has an easterly dip of between 65 to 70 degrees paralleled by regional foliation and metamorphism.</li> <li>Mineralisation is hosted with a sheared/faulted mafic package dipping to the East at approximately 70 degrees, mineralisation is associated with numerous quartz veins with and associated proximal alteration, base of oxidation extends down to approximately 120m at the Eureka mine area mineralisation is up to 30m in thickness</li> </ul>
<b>Drill hole Information</b>	<ul style="list-style-type: none"> <li>A map showing the Auger sample locations over the tenements M24/189, P24/5116, M24/584, M24/585 is supplied, assays for the final auger samples are still pending</li> </ul>

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Criteria	Commentary
<b>Data aggregation methods</b>	<ul style="list-style-type: none"> <li>No grade truncations were applied to these exploration results. Contours were interpolated utilising a 300m search ellipse</li> </ul>
<b>Relationship between mineralisation widths and intercept lengths</b>	<ul style="list-style-type: none"> <li>The geometry of the mineralisation is known with the main quartz vein hosted mineralisation interpreted to be dipping at 70 degrees and striking North South, the Auger sampling was designed to best cover the North south orientation with a 50m across strike sample spacing applied</li> </ul>
<b>Diagrams</b>	<ul style="list-style-type: none"> <li>Figures have been included in the announcement</li> </ul>
<b>Balanced reporting</b>	<ul style="list-style-type: none"> <li>It is not practical to report all historical exploration results from the Eureka project</li> </ul>
<b>Other substantive exploration data</b>	<ul style="list-style-type: none"> <li>Exploration at the Eureka project was previously carried out by Tyranna resources during 2018-2019, results of this work have been previously released including a resource estimate and updated economic assessment</li> </ul>
<b>Further work</b>	<ul style="list-style-type: none"> <li>Further exploration and development and exploration drilling has been designed for this anomalous geochemical area, approximately 5000m comprising 50 drillhole locations has been designed to test the oxidised regolith down to blade refusal depth</li> <li>Images included identify areas of potential future targets, further work is discussed in the announcement</li> </ul>