

## PEGMATITES IDENTIFIED AT NORTHERN TAYLOR ROCK

### Highlights

- Vertex geologists find Pegmatites on the Northern section of E63/2058 “Taylor Rock” Nickel – Gold project, alongside Lake Johnston WA.
- Three Pegmatites outcrops were located and sampled (see pictures)
- The Pegmatite rocks have been identified based on coarse quartz, feldspars, and Micas. The pegmatites emanate from nearby fertile granites and are injected into adjacent greenstones.
- Taylors Rock pegmatites occur within rocks comparable to those at the nearby Medcalf Lithium Project (currently being drilled by Charger Metals) (3km to the SW),
- The pegmatites were found on the margin of a salt lake (sediment, not covered by water), and may well extend under the lake sediments.
- Vertex has dispatched samples for both assay and petrology.
- Furthermore, select RC drill chips, from previous Ni focused exploration by Norilsk Nickle (NN) have also been dispatched for both assay and petrology\*.
- Vertex will make an announcement when both assay and petrology results have been received.
- Planning underway for a future drilling program.

*\* The RC drill chips represent the only remaining samples from the Norilsk Drilling. Vertex decided not to opt for destructive analytical testing following a field trip made to the southern portion of E63/2058 "Taylor Rock" between October 5<sup>th</sup> -7<sup>th</sup> 2022, instead isolating domains of comparable material for assay and petrology during its December 1<sup>st</sup> -3<sup>rd</sup> 2022 field trip.*

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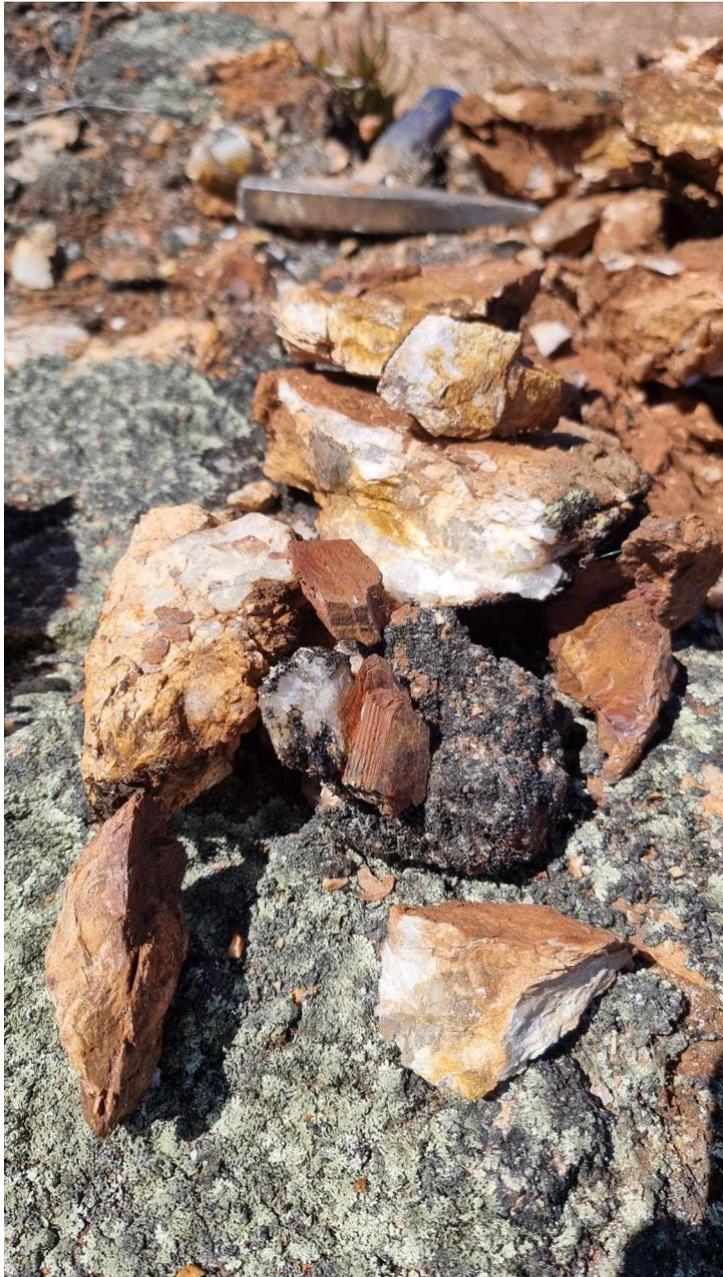
**Vertex Minerals Ltd** (“Vertex”, or “the Company”) (**ASX: VTX**) is pleased to announce that the directors (Geologists) of Vertex have taken a follow up site visit to Taylor Rock in WA and have been able to locate three sets of Pegmatites, in an amphibolite setting, in the Northern area of Taylor Rock, Lake Johnston WA Australia.

Further to this exciting find the Vertex directors are still upbeat on the Nickel potential up and down dip from the previous intersections drilled by Norilsk. The Nickel and Gold potential will be looked at further by Vertex. (refer to highlights below)

### **Cautionary Statement**

Whilst pegmatite can hold lithium-bearing minerals it is not always the case.

The Taylor Rock Lake Johnston Project is located 450km east of Perth, WA. Lithium prospects occur within a 50 km long corridor along the southern and western margin of the Lake Johnston granite batholith. The Lake Johnston Project includes the Medcalf Spodumene Prospect and much of the Mount Day LCT pegmatite field, prospective for lithium and tantalum minerals.



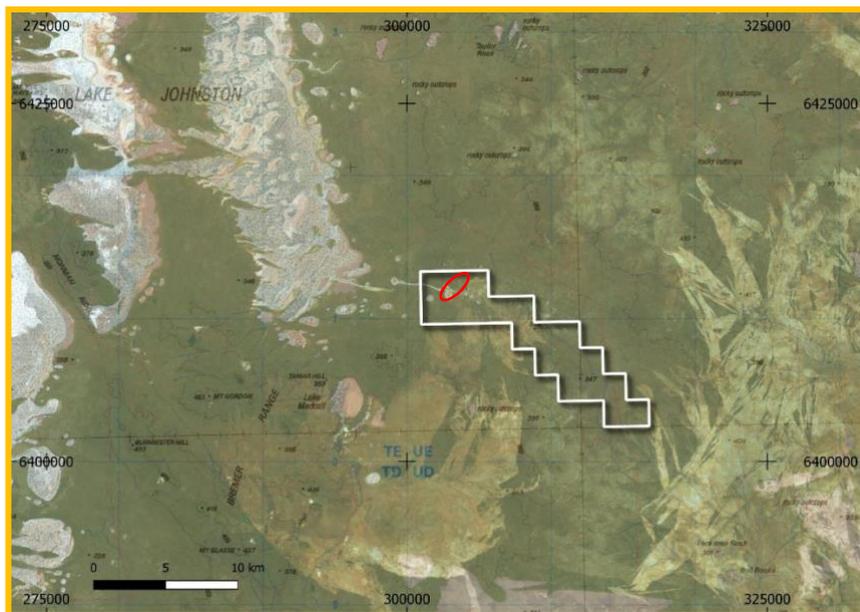
**Figure 1 Sample A of the Pegmatites - (refer below for location)**



**Figure 2 Sample B of the Pegmatites – (refer below for location)**

**Table 1 Location of the Pegmatites**

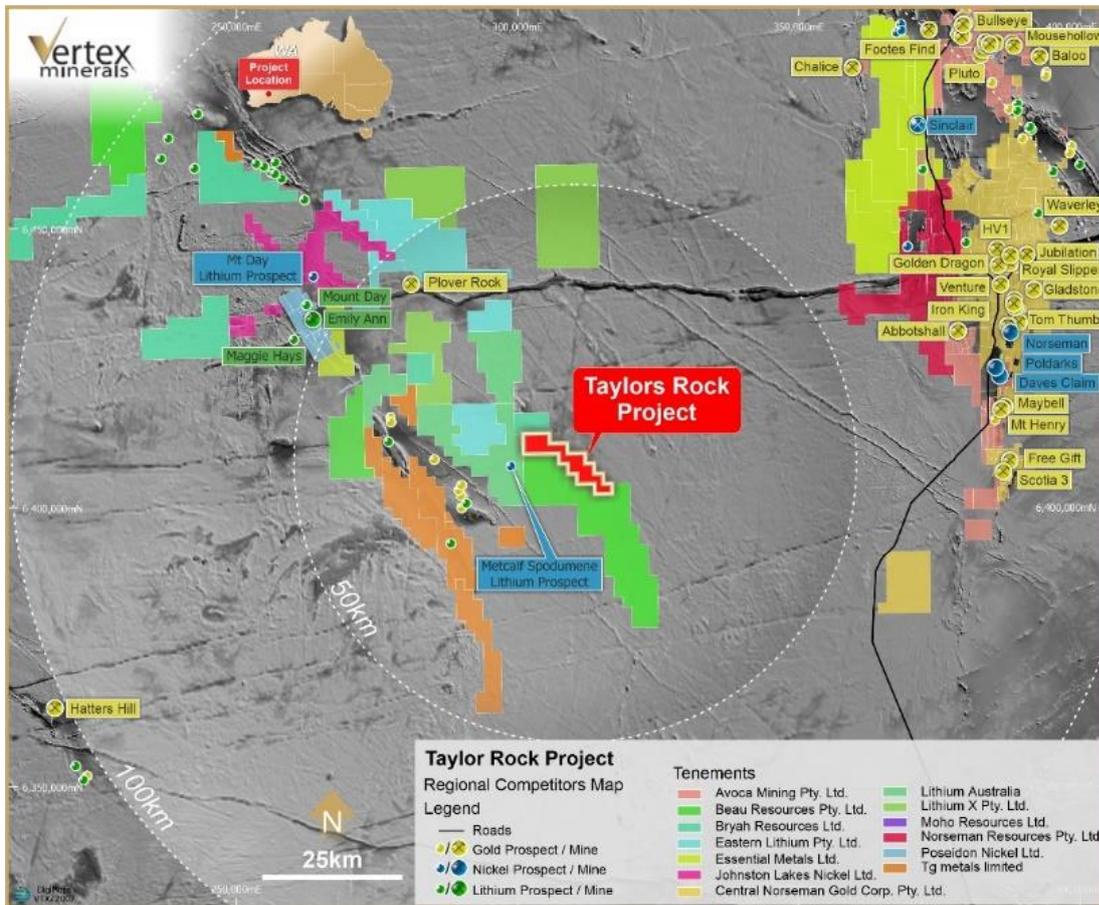
Rock Chip Sample No	Title	Easting	Northing
96	Peg A	303980.6	6412507
98	Peg B	304049.5	6412697
99	Peg C	304142.5	6412812



**Figure 3 Overall Location of the pegmatites- on the edge of the salt lake**



**Figure 4 Location of the three pegmatites on the 25k Geology Map**



**Figure 5 Taylor Rock sits in a world class Nickel and Lithium precinct**

## South Taylor Rock Lease Ni and Gold potential

- **Norilsk only targeted Ni below 200m. Vertex Geologists are interested to understand the Ni potential at shallower depths, as the mineralisation suggests it may continue up dip. There was no follow up by Norilsk.**

*Significant historical drilling on the tenure*

- 12NLJC0005: 2m @ 0.795% Ni from 202m
- 12NLJC004: 2m @ 0.636% Ni from 250m
- 10NLJC0132: 37m @ 0.477% Ni from 205m
  - Including 1m @ 1.02% Ni from 212m
    - 1m @ 0.835% Ni from 206m
    - 1m @ 0.822% Ni from 209m
    - 1m @ 0.766% Ni from 205m
- LJPR0084: 3m @ 0.649% Ni from 15

*With Gold intercepts*

- LJPA0145: 1m @ 45.4g/t Au from 44m
  - 3m @ 9.84g/t Au from 42m

This announcement has been approved by the Board of Vertex Minerals Limited.

**Further Information:**

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**About Vertex Minerals Limited**

Vertex Minerals Limited (ASX: VTX) is an Australian based gold exploration company developing its advanced Hargraves and Hill End gold projects located in the highly prospective Eastern Lachlan Fold Belt of Central West NSW and its Pride of Elvire and Taylors Rock gold projects located in a well-known WA gold precinct. The focus of Vertex Minerals is to advance the commercial production of gold from its NSW projects embracing an ethical and environmentally sustainable approach, utilising the below attributes/techniques to uniquely positioning the company as Australia's first truly environmentally sustainable producer of **green gold**:

**Hargraves Gold Project (NSW)**

- Hargraves Gold project is located approximately 2.5 km south of the town of Mudgee
- The goldfield is 4 x 10 km with numerous mineralised structures with little modern exploration
- An updated mineral resource in accordance with JORC 2012 Code was completed by SRK Consulting (Australasia) Pty Ltd (SRK) – total of **2.3Mt at 2.38g/t Au for 177koz Au**

**Hill End Gold Project (NSW)**

- Consists of 10 mining leases and three Exploration Licences located in the core of the Hill End Trough on the eastern Lachlan Fold Belt
- 14km of continuous gold lode with gold recovery rate to gravity at +90% - **green gold**
- Work undertaken in 2015 by Hill End Gold Limited (HEG) at Red Hill culminated in a JORC 2012 resource estimate of **80,000 oz Au @ 1.7 g/t to 150m depth**

<b>Hill End Project Mineral Resource Estimate</b>				
<b>Deposit</b>	<b>Classification</b>	<b>Tonnes (kt)</b>	<b>Grade Au (g/t)</b>	<b>Contained Au (koz)</b>
<b>Reward Gold Mine</b>	Indicated	55	12.4	22
	Inferred	782	8.1	205
<b>Sub Total</b>		<b>837</b>	<b>8.5</b>	<b>227</b>
<b>Hargraves Project</b>	Indicated	1,109	2.7	97
	Inferred	1,210	2.1	80
<b>Sub Total</b>		<b>2,319</b>	<b>2.4</b>	<b>178</b>
<b>Red Hill Project</b>	Indicated	413	1.4	19
	Inferred	1,063	1.8	61
<b>Sub Total</b>		<b>1,476</b>	<b>1.7</b>	<b>80</b>
<b>Project Total</b>	Indicated	1,577	2.7	138
	Inferred	3,055	3.5	347
<b>Grand Total</b>		<b>4,632</b>	<b>3.3</b>	<b>485</b>

### **Pride of Elvire Gold Project (WA)**

- Tenements surround the Mt. Elvire homestead approximately 210km north of Southern Cross in Western Australia
- The project has seen historical drilling with encouraging gold results achieved

### **Taylor Rock Project (WA)**

- Located 80km WSW of Norseman in the Southern Goldfields region of Western Australia
- The project has both Gold and Nickel potential, interesting historical intercepts have recorded encouraging mineralisation

### **JORC Compliance Statements**

This website contains references to Mineral Resource estimates, which have been extracted from previous ASX announcements as set above made by Peak Resources Ltd (ASX:PUA) the parent company of VTX prior to the Company's separate listing in 2022. For full details of Exploration Results in this release that have been previously announced, refer to those announcements.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the said announcements, and in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons' findings are presented have not materially modified from the original market announcements.

### **Competent Persons Statement**

The information in this report that relates to Exploration Results and Exploration Targets is based on information compiled by Mr. Roger Jackson, a Director and Shareholder of the Company, who is a 25+ year Fellow of the Australasian Institute of Mining and Metallurgy (FAusIMM), Fellow of the Australasian Institute of Geoscientists (FAIG) and a Member of Australian Institute of Company Directors. Mr. Jackson has sufficient experience which is relevant to the style of mineralisation and type of deposits 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. Jackson consents to the inclusion of the data contained in relevant resource reports used for this announcement as well as the matters, form and context in which the relevant data appears.

### **Forward Looking Statements and Important Notice**

This report contains forecasts, projections and forward-looking information. Although the Company believes that its expectations, estimates and forecast outcomes are based on reasonable assumptions it can give no assurance that these will be achieved. Expectations and estimates and projections and information provided by the Company are not a guarantee of future performance and involve unknown risks and uncertainties, many of which are out of Vertex Minerals' control.

Actual results and developments will almost certainly differ materially from those expressed or implied. Vertex Minerals has not audited or investigated the accuracy or completeness of the information, statements and opinions contained in this announcement. To the maximum extent permitted by applicable laws, Vertex Minerals makes no representation and can give no assurance, guarantee or warranty, express or implied, as to, and takes no responsibility and assumes no liability for the authenticity, validity, accuracy, suitability or completeness of, or any errors in or omission from, any information, statement or opinion contained in this report and without prejudice, to the generality of the foregoing, the achievement or accuracy of any forecasts, projections or other forward looking information contained or referred to in this report.

Investors should make and rely upon their own enquiries before deciding to acquire or deal in the Company's securities.

## Appendix 1: Drilling

**Table 2 Norilsk Nickel Significant Drilling in 2012 (a96859)**

Hole	East (AMG)	North (AMG)	Total Depth	Dip	Azi	Type	From	To	Ni (%)
12NLJC0005	310490	6406584	240	-60.2	0	RC	202	204	0.795
12NLJC0004	310596	6406477	344	-58.7	0	RC	250	252	0.636

**Table 3 Significant Results from Norilsk Nickel in 2011 (a93009)**

Hole	East (AMG)	North (AMG)	Total Depth (m)	Dip	Azi	Type	From	To	Ni (%)
10NLJC0132	310695	6406665	244	-60	45	RC	205	206	0.766
							206	207	0.835
							208	209	0.698
							209	210	0.822
							211	212	0.719
							212	213	1.02
							213	214	0.692
							217	218	0.713
							218	219	0.675

**Table 4 Significant Results for Ni by LionOre in 2004 (a69863)**

Hole	East (AMG)	North (AMG)	Total Depth (m)	Dip	Azi	Type	From	To	Ni (%)
LJPR0084	310374.4	6406872	26	-90	0	RAB	15	18	0.649

**Table 5 Significant Results for Au by LionOre in 2004 (a69863)**

Hole	East (AMG)	North (AMG)	Total Depth (m)	Dip	Azi	Type	From	To	Au g/t
LJPA0145	313331.4	6404595	48	-90	0	AC	42	45	9.84
							44	45	45.4

## Appendix 2: JORC Code, 2012 Edition – Table 1

### Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	Commentary
<b>Sampling techniques</b>	<ul style="list-style-type: none"> <li>Rock chip and grab samples were taken from outcrops and disturbed rock float (i.e. not in situ). The samples were taken to understand the mineralogy of the pegmatite dykes rather than to systematically sample each individual pegmatite dyke.</li> <li>Samples were sent to ALS Laboratory in Orange for geochemical analysis</li> </ul>
<b>Drilling techniques</b>	<ul style="list-style-type: none"> <li>N/A As no drilling is being reported</li> </ul>
<b>Drill sample recovery</b>	<ul style="list-style-type: none"> <li>N/A As no drilling is being reported</li> </ul>
<b>Logging</b>	<ul style="list-style-type: none"> <li>N/A As no drilling is being reported</li> </ul>
<b>Sub-sampling techniques and sample preparation</b>	<ul style="list-style-type: none"> <li>The samples were taken as rock pieces from outcrop</li> </ul>
<b>Quality of assay data and laboratory tests</b>	<ul style="list-style-type: none"> <li>The sample undergo geochemical analysis for a selected suite of elements which is considered appropriate at the current stage of the exploration. The technique is used to provide an understanding of the potential prospectivity of the pegmatite dykes for lithium containing minerals such as spodumene and lepidolite. The technique is not being used to provide a quantitative analysis of the lithium content of the rock samples.</li> </ul>
<b>Verification of sampling and assaying</b>	<ul style="list-style-type: none"> <li>Laboratory reports will be received in excel format and in locked pdf files. Results will be cross referenced with sample data and loaded into an electronic database.</li> <li>There is no validation and cross checking of laboratory performance at this stage.</li> </ul>
<b>Location of data points</b>	<ul style="list-style-type: none"> <li>Rock chip and grab sample locations were located using a handheld GPS with an expected accuracy of +/-3m for easting and northing. No elevation data was recorded.</li> <li>The grid system used is GDA94, MGA zone 51.</li> </ul>
<b>Data spacing and distribution</b>	<ul style="list-style-type: none"> <li>Rock chip and grab samples were taken opportunistically during field reconnaissance and are not regularly spaced. These were for geological information only and would not be used in any Mineral Resource estimation. Sample compositing was applied to the rock chip and grab samples.</li> </ul>
<b>Orientation of data in relation to geological structure</b>	<ul style="list-style-type: none"> <li>N/A. As the samples are rock chip samples and do not reference to any orientation.</li> </ul>
<b>Sample security</b>	<ul style="list-style-type: none"> <li>Rock chip and grab samples were delivered by VTX to the ALS laboratory in Orange.</li> <li>Sample security was not considered a significant risk to the project. Only employees of VTX were involved in the collection, short term storage (in a remote area), and delivery of samples.</li> </ul>
<b>Audits or reviews</b>	<ul style="list-style-type: none"> <li>No Audits or reviews were taken</li> </ul>

### Section 2 Reporting of Exploration Results

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

Criteria	Commentary
<b>Mineral tenement and land tenure status</b>	<ul style="list-style-type: none"> <li>The tenements discussed in this report are held 100% by Vertex Minerals Ltd.</li> </ul>
<b>Exploration done by other parties</b>	<ul style="list-style-type: none"> <li>Limited Lithium exploration has been undertaken across the tenement areas by previous explorers.</li> </ul>
<b>Geology</b>	<ul style="list-style-type: none"> <li>Bedrock geology is dominated by mafic amphibolites, however, two distinct ultramafic units have been identified, a western ultramafic dominated by tremolite-chlorite assemblages and an eastern, high-MgO ultramafic marked by near-surface siliceous caprock. A thin sedimentary chert/BIF unit extends over the three northernmost lines and separates the two ultramafic units. Limited outcrop of the BIF indicates the sequence dips moderately to the</li> </ul>

	<p>west. To the south, where the greenstone sequence thins, only amphibolites have been intersected in drilling. At the Polly Jean prospect located at the northern end of the tenement a feature suggesting a greenstone sequence in both limbs of a plunging fold can be seen in the regional magnetic image.</p>
<b>Drill hole Information</b>	<ul style="list-style-type: none"> <li>• N/A. No drill hole information contained within the release</li> </ul>
<b>Data aggregation methods</b>	<ul style="list-style-type: none"> <li>• N/A. No drill hole information contained within the release</li> </ul>
<b>Relationship between mineralisation widths and intercept lengths</b>	<ul style="list-style-type: none"> <li>• N/A. No drill hole information contained within the release</li> </ul>
<b>Diagrams</b>	<ul style="list-style-type: none"> <li>• Refer body of the text</li> </ul>
<b>Balanced reporting</b>	<ul style="list-style-type: none"> <li>• Reporting of results in this report is considered balanced.</li> </ul>
<b>Other substantive exploration data</b>	<ul style="list-style-type: none"> <li>• Assessment of other substantive exploration data is not yet complete however considered immaterial at this stage.</li> </ul>
<b>Further work</b>	<ul style="list-style-type: none"> <li>• Follow up work programmes will be subject to interpretation of recent and historic results which is ongoing. A drilling program is being planned.</li> </ul>