

9 July 2018

# More outstanding intersections of cobalt, platinum, nickel and scandium show Tiger's Creek emerging as a significant discovery

### **KEY POINTS**

- Wide, high-grade assays from the next 20 holes at Tiger's Creek prospect within the Hylea Project in NSW
- High-grade cobalt-nickel-platinum assays from near-surface include:
  - 16m @ 0.14% Co, 0.63% Ni, 0.43g/t Pt from 10m, including
     12m @ 0.17% Co, 0.70% Ni, 0.50g/t Pt (HYRC006)
  - 8m @ 0.13% Co, 0.30% Ni, 0.11g/t Pt from 1m, including
     3m @ 0.26% Co, 0.47% Ni, 0.18g/t Pt (HYRC015)
  - o 8m @ 0.14% Co, 0.33% Ni, 1.51g/t Pt from 7m, including
    - 7m @ 0.16% Co, 0.29% Ni, 1.68g/t Pt (HYRC016)
  - 8m @ 0.12% Co, 0.34% Ni, 0.02g/t Pt from 14m, including
     4m @ 0.16% Co, 0.37% Ni, 0.02g/t Pt (HYRC021)
  - o 7m @ 0.17% Co, 0.57% Ni, 0.10g/t Pt from 12m, (HYRC024)
  - 10m @ 0.12% Co, 0.42% Ni, 0.18g/t Pt from 16m, including
     8m @ 0.14% Co, 0.40% Ni, 0.21g/t Pt (HYRC025)
  - 15m @ 0.10% Co, 0.80% Ni, 0.17g/t Pt from 30m, including
     5m @ 0.17% Co, 0.89% Ni, 0.14g/t Pt (HYRC026)
- The assays also include promising cobalt intersections at the first regional target drilled 1.5km from Tiger's Creek
  - 5m @ 0.13% Co, 0.25% Ni, 0.06g/t Pt from 3m, including
     4m @ 0.14% Co, 0.30% Ni, 0.07g/t Pt (HYRC018)
- Highest-grade scandium intersection at Hylea to date:
  - o 6m @ 652ppm Sc from 7m, including
    - 4m @ 810ppm Sc (HYRC016)
- Additional platinum mineralisation includes:
  - o 7m @ 1.68g/t Pt from 7m (HYRC016)



**Hylea Metals Limited** (ASX:HCO) ("**Hylea**") is pleased to announce that it has intersected further highgrade cobalt-platinum-nickel-scandium mineralisation at the Tiger's Creek Prospect, part of the Hylea Project, in the Fifield 'Battery Metals' district of NSW.

The second round of assays, which come from the next 20 holes of a recently-completed 54-hole program, have continued to grow the size and grade of Tiger's Creek following the strong assays from the first 12 holes (see ASX release dated 27 June 2018). The mineralisation remains open in all directions.

The latest intersections start from just 1m below surface and include widths of up to 16m. The highestgrade scandium result in the history of the project was returned with 6m @ 652ppm Sc from 7m, including an outstanding 4m @ 810ppm Sc (HYRC016). The Scandium potential in addition to the cobalt, nickel and platinum mineralisation is adding significantly to the prospectivity of Tiger's Creek (**Figure 4**).

Tiger's Creek is located on the eastern edge of the zoned 8km x 3.5km Hylea Ultramafic Intrusive Complex. This is an intrusive complex with similar source geology and laterite development to the nearby Sunrise Project of Clean TeQ Holdings (ASX: CLQ), Australian Mines' (ASX: AUZ) Flemington Project and Platina Resources' (ASX: PGM) Owendale Project. All these projects host cobalt-nickel-scandium Resources.

Reconnaissance drilling approximately 1.5km to the south-west of Tiger's Creek (**Figure 1**) aimed to follow-up historical drilling targeting platinum in an area containing outcropping laterite at surface. Encouragingly, drill hole HYRC018 confirmed the laterite extends at shallow depths gently dipping to the west and intersected 5m @ 0.13% Co, 0.25% Ni & 0.06g/t Pt from 3m, open to the west, north and south.

Hylea Managing Director, Mr David Berrie, said the latest results showed Tiger's Creek was emerging as a significant discovery.

"We now have assays from 32 holes and it is increasingly clear that Tiger's Creek is emerging as a significant cobalt-nickelplatinum-scandium discovery," Mr Berrie said.

"The cobalt grades are comparable with those of nearby highprofile neighbours which have market capitalisations many times that of Hylea. This demonstrates the immense upside offered by Tiger's Creek.

We also have very high-grade scandium assays which compare very favourably with those reported in the Reserves of nearby projects.

And we have intersected cobalt at our first regional target 1.5km from Tiger's Creek, further highlighting the project's upside."



\* Refer to Platina Resources (ASX:PGM) "Maiden Scandium & Cobalt Reserve" ASX release 13th September, 2017



#### **Tiger's Creek Drill Program**

Drilling at Tiger's Creek was conducted during April to May 2018 involving the completion of 54 vertical RC/AC holes for 3,621m. Drill collar information with significant intersections are included as **Tables 1, 2 and 3**, drill hole plan is included as **Figure 1**, drill hole sections are presented in **Figures 2 and 3**, and drill hole plan with scandium intersections as **Figure 4**. Cobalt-Nickel, scandium and platinum mineralised intervals overlap each other down-hole, and are reported separately in **Tables 1, 2 and 3**, refer to the accompanying JORC tables for further information.

Drilling intersected a well-developed, at or near surface laterite and in-situ clay profile developed over ultramafic rock types including dunites, pyroxentites and peridotites in 48 out of the 54 holes. Assay results for the first 32 holes have confirmed high tenor Cobalt, Scandium, Platinum and Nickel within the laterite profile, which presently remains open in multiple directions.

Results to date have confirmed the location and tenor of historical drilling campaigns completed by previous explorers, delivering a key aim of the program. When coupled with results previously released (refer to ASX release "High Grade Drilling Results at Tiger's Creek" 27th June 2018) the scale of mineralisation and scope for further extensions is compelling.





<sup>1,</sup> Refer to Table 1, and accompanying JORC tables for intersection parameters



					GDA		Inte	rval	Down Hole		1		
Hole ID	MGA North	MGA East	RL m	EOH m	Azimuth	Dip	From m	To m	Width m	Co %	Ni %	Pt ppm	Comments*
HYRC014	6419000	521200	220	60	0	-90	-	-	-	-	-	-	
HYRC015	6419000	521150	220	60	0	-90	1	9	8	0.13	0.30	0.11	
Incl.							2	5	3	0.26	0.47	0.18	Incl. 2m @ 0.29% Co from 3m
HYRC016	6419000	521100	220	60	0	-90	7	15	8	0.14	0.33	1.51	
Incl.							7	14	7	0.16	0.29	1.68	Incl. 2m @ 0.26% Co from 9m
							20	28	8	0.09	0.28	0.24	
Incl.							23	27	4	0.11	0.31	0.27	
HYRC017	6419000	521050	220	60	0	-90	-	-	-	-	-	-	
HYRC018	6417850	520200	220	55	0	-90	3	8	5	0.13	0.25	0.06	
Incl.							4	8	4	0.14	0.30	0.07	Incl. 1m @ 0.20% Co from 5m
HYRC019	6417850	520300	220	43	0	-90	-	-	-	-	-	-	
HYRC020	6417850	520400	220	25	0	-90	-	-	-	-	-	-	
HYRC021	6418800	521100	220	65	0	-90	14	22	8	0.12	0.34	0.02	
Incl.							15	19	4	0.16	0.37	0.02	Incl. 1m @ 0.24% Co from 15m
HYRC022	6418800	521150	220	70	0	-90	19	23	4	0.10	0.46	0.02	
Incl.							19	21	2	0.12	0.51	0.02	
HYRC023	6418800	521200	220	67	0	-90	12	20	8	0.07	0.22	0.12	
Incl.							15	17	2	0.13	0.33	0.18	
HYRC024	6418800	521250	220	39	0	-90	12	19	7	0.17	0.57	0.10	
Incl.							12	19	7	0.17	0.57	0.10	Incl. 2m @ 0.30% Co from 13m
HYRC025	6418800	521300	220	73	0	-90	16	26	10	0.12	0.42	0.18	Incl. 1m @ 0.21% Co from 16m & 1m @
Incl.							16	24	8	0.14	0.40	0.21	0.35% Co from 19m
							30	33	3	0.06	0.58	0.04	
HYRC026	6418800	521350	220	73	0	-90	30	45	15	0.10	0.80	0.17	
Incl.							32	37	5	0.17	0.89	0.14	Incl. 3m @ 0.20% Co from 32m
HYRC027	6418800	521400	220	73	0	-90	33	34	1	0.11	0.53	0.21	
							40	43	3	0.06	0.55	0.05	
HYRC006	6419195	521281	220	67	0	-90	10	26	16	0.14	0.63	0.43	
Incl.							11	23	12	0.17	0.70	0.50	Incl. 2m @ 0.26% Co from 12m
HYRC028	6417900	521600	220	36	0	-90	-	-	-	-	-	-	
HYRC029	6418450	521500	220	60	0	-90	31	35	4	0.13	0.34	0.07	
Incl.							31	33	2	0.17	0.37	0.07	
HYRC030	6418450	521550	220	60	0	-90	32	34	2	0.15	0.24	0.06	
Incl.							32	34	2	0.15	0.24	0.06	
HYRC031	6418450	521600	220	66	0	-90	28	35	7	0.10	0.42	0.21	
Incl.							28	33	5	0.11	0.38	0.22	
HYRC032	6418450	521650	220	73	0	-90	45	52	7	0.05	0.11	0.13	

#### Table 1: Significant Cobalt Drill Hole Intercepts<sup>1</sup> (this release) at the Tiger's Creek Prospect

<sup>1</sup> Cobalt intercepts were calculated based on a greater than or equal to 0.05% Co cut-off with greater than or equal to 1m downhole thickness and less than or equal to 3m internal dilution. Incl. cobalt intercepts were calculated based on a greater than or equal to 0.10% Co cut-off with greater than or equal to 1m downhole thickness and less than or equal to 3m internal dilution. \*Including intercepts calculated in comments field based on a greater than or equal to 0.20% Co cut-off, with greater than or equal to 1m down hole thickness. See attached JORC tables for full details.

				5011.1	GDA		Inte	erval	Down Hole	<b>C</b>	<b>C</b> . N	NI: 0/		41.07	C
Hole ID	NIGA NORTH	IVIGA Edst	KL M	EOH m	Azimuth	Dip	From m	To m	Width m	Sc ppm	C0 %	INI 76	Pt ppm	AI %	Sc cut on grade
HYRC014	6419000	521200	220	60	0	-90	-	-	-	-	-	-	-	-	
HYRC015	6419000	521150	220	60	0	-90	-	-	-	-	-	-	-	-	
HYRC016	6419000	521100	220	60	0	-90	7	13	6	652	0.15	0.23	1.76	0.00	200ppm Sc cut off
Incl.							7	13	6	652	0.15	0.23	1.76	0.00	300ppm Sc cut off
Incl.							7	11	4	810	0.18	0.18	1.84	0.00	600ppm Sc cut off
HYRC017	6419000	521050	220	60	0	-90	-	-	-	-	-	-	-	-	
HYRC018	6417850	520200	220	55	0	-90	-	-	-	-	-	-	-	-	
HYRC019	6417850	520300	220	43	0	-90	-	-	-	-	-	-	-	-	
HYRC020	6417850	520400	220	25	0	-90	-	-	-	-	-	-	-	-	
HYRC021	6418800	521100	220	65	0	-90	7	11	4	288	< 0.01	0.04	0.05	0.00	200ppm Sc cut off
Incl.							7	8	1	370	< 0.01	0.02	0.03	0.00	300ppm Sc cut off
							24	25	1	240	0.02	0.08	0.03	0.00	200ppm Sc cut off
HYRC022	6418800	521150	220	70	0	-90	7	19	12	283	< 0.01	0.03	0.09	0.00	200ppm Sc cut off
Incl.							9	16	7	320	<0.01	0.03	0.10	0.00	300ppm Sc cut off
HYRC023	6418800	521200	220	67	0	-90	8	9	1	200	0.01	0.04	0.19	0.00	200ppm Sc cut off
HYRC024	6418800	521250	220	39	0	-90	-	-	-	-	-	-	-	-	
HYRC025	6418800	521300	220	73	0	-90	-	-	-	-	-	-	-	-	
HYRC026	6418800	521350	220	73	0	-90	-	-	-	-	-	-	-	-	
HYRC027	6418800	521400	220	73	0	-90	24	31	7	260	0.01	0.39	0.07	0.00	200ppm Sc cut off
Incl.							28	30	2	310	0.01	0.40	0.05	0.00	300ppm Sc cut off
HYRC006	6419195	521281	220	67	0	-90	-	-	-	-	-	-	-	-	
HYRC028	6417900	521600	220	36	0	-90	-	-	-	-	-	-	-	-	
HYRC029	6418450	521500	220	60	0	-90	20	35	15	297	0.04	0.12	0.05	0.00	200ppm Sc cut off
Incl.							24	30	6	387	<0.01	0.03	0.06	0.00	300ppm Sc cut off
HYRC030	6418450	521550	220	60	0	-90	22	34	12	347	0.03	0.07	0.07	0.00	200ppm Sc cut off
Incl.							24	32	8	399	<0.01	0.04	0.06	0.00	300ppm Sc cut off
HYRC031	6418450	521600	220	66	0	-90	-	-	-	-	-	-	-	-	
HYRC032	6418450	521650	220	73	0	-90	-	-	-	-	-	-	-	-	

#### Table 2: Significant Scandium Drill Hole Intercepts<sup>2</sup> (this release) at the Tiger's Creek Prospect

<sup>2</sup>Scandium drill hole intercepts were calculated based on a greater than or equal to 200ppm Sc cut-off, with greater than or equal to 1m down hole thickness and less than or equal to 3m internal dilution. Incl. scandium drill hole intercepts were calculated based on a greater than or equal to 300ppm Sc cut-off and 600ppm Sc cut-off, with greater than or equal to 1m down hole thickness and less than or equal to 3m internal dilution. Al2O3 % XRF assays converted to Al % via x 0.52925 conversion factor. See attached JORC tables for full details.





#### Figure 2: Tiger's Creek Drill Hole Cross Section #1 illustrating significant Cobalt<sup>1</sup> intersections, open to the east and west. Section location refer to Figure 1

{Dark blue boxes contain results reported herein, results in light blue boxes were previously released (see ASX release "High Grade Drilling Results at Tiger's Creek" 27th June 2018)}





#### Figure 3: Tiger's Creek Drill Hole Cross Section #2 illustrating significant Cobalt<sup>1</sup> intersections, open to the east and west. Section location refer to Figure 1



					GDA		Inte	erval	Down Hole				
Hole ID	MGA North	MGA East	RL m	EOH m	Azimuth	Dip	From m	To m	Width m	Pt ppm	Co %	Ni %	Comments
HYRC014	6419000	521200	220	60	0	-90	-	-	-	-	-	-	
HYRC015	6419000	521150	220	60	0	-90	-	-	-	-	-	-	
													At 0.50ppm Pt & 1.0ppm cut offs.
HYRC016	6419000	521100	220	60	0	-90	7	14	7	1.68	0.16	0.29	Incl. 2m @ 2.54ppm Pt from 9m
HYRC017	6419000	521050	220	60	0	-90	-	-	-	-	-	-	
HYRC018	6417850	520200	220	55	0	-90	-	-	-	-	-	-	
HYRC019	6417850	520300	220	43	0	-90	-	-	-	-	-	-	
HYRC020	6417850	520400	220	25	0	-90	-	-	-	-	-	-	
HYRC021	6418800	521100	220	65	0	-90	-	-	-	-	-	-	
HYRC022	6418800	521150	220	70	0	-90	-	-	-	-	-	-	
HYRC023	6418800	521200	220	67	0	-90	-	-	-	-	-	-	
HYRC024	6418800	521250	220	39	0	-90	-	-	-	-	-	-	
HYRC025	6418800	521300	220	73	0	-90	-	-	-	-	-	-	
HYRC026	6418800	521350	220	73	0	-90	30	31	1	0.57	0.05	0.59	
HYRC027	6418800	521400	220	73	0	-90	-	-	-	-	-	-	
HYRC006	6419195	521281	220	67	0	-90	4	5	1	0.60	0.01	0.11	
							16	23	7	0.70	0.14	0.77	
Incl.							19	20	1	1.03	0.16	0.94	
							34	35	1	0.66	0.02	0.21	
HYRC028	6417900	521600	220	36	0	-90	-	-	-	-	-	-	
HYRC029	6418450	521500	220	60	0	-90	-	-	-	-	-	-	
HYRC030	6418450	521550	220	60	0	-90	-	-	-	-	-	-	
HYRC031	6418450	521600	220	66	0	-90	-	-	-	-	-	-	
HYRC032	6418450	521650	220	73	0	-90	-	-	-	-	-	-	

#### Table 3: Significant Platinum Drill Hole Intercepts<sup>3</sup> (this release) at the Tiger's Creek Prospect

<sup>3</sup> Platinum drill hole intercepts were calculated based on a greater than or equal to 0.50ppm Pt cut-off, with greater than or equal to 1m down hole thickness and less than or equal to 3m internal dilution. Incl. platinum drill hole intercepts were calculated based on a greater than or equal to 1.0ppm Pt cut-off, with greater than or equal to 1m down hole thickness and less than or equal to 3m internal dilution. See attached JORC tables for full details.

Figure 4:Tiger's Creek Prospect drill hole location plan illustrating significant Scandium<sup>2</sup> intersections<br/>from this release (dark brown boxes) and those previously reported (light brown boxes).<br/>(refer to ASX release "High Grade Drilling Results at Tiger's Creek" 27<sup>th</sup> June 2018)





#### **Hylea Project Location**

The Hylea Project is located in the Fifield "Battery Metals" District and is just 50km from CleanTeq's Sunrise project. The Fifield district also hosts Australian Mines' (ASX: AUZ) Flemington project and Platina Resources (ASX: PGM) Owendale Project (**Figure 4**). The Hylea Project encapsulates the Hylea Intrusive Complex, which is a comparable scale intrusive complex with very similar source geology, and laterite development as Sunrise, Flemington and Owendale. However, Hylea has received comparably very little exploration, which principally targeted platinum, nickel and vermiculite but not cobalt.



Figure 4: Hylea Project (EL8520 & 8641) location in relation to high profile peers

The currently most advanced target within the Hylea Project is the Tiger's Creek prospect, located on the eastern edge of the zoned 8km x 3.5km Hylea Ultramafic Intrusive Complex which is comprised of dunite – pyroxenite – hornblendite – monzonite rock types, overlain by a 10m to 70m thick in-situ regolith profile including laterite. The laterite sequence hosts cobalt – nickel – platinum and scandium mineralisation consistent with the nearby Sunrise (CleanTeQ), Flemington (Australian Mines) and Owendale (Platina Resources) resources.

\* For full details on historical drill results refer to ASX release "Acquisition of NSW Cobalt Nickel Project, 6<sup>th</sup> Dec 2017, also available on the company website <u>www.hyleametals.com.au</u>

#### COMPETENT PERSONS STATEMENT

The information in this document that relates to Exploration Results is based on information compiled by Mr. Darren Glover who is a member of the Australasian Institute of Mining and Metallurgy (AUSIMM). Mr Glover has over 20 years' experience in the mineral and mining industry. Mr Glover is a consultant to Hylea Metals, and has sufficient experience that is relevant to the style of mineralization and type of deposit under consideration and to the activity being undertaken 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 Glover consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.



## Table 1: JORC Code Reporting Criteria

Section 1 Sampling Techniques and Data

Criteria	JORC Code Explanation	Commentary
Sampling Techniques Drilling Techniques	<ul> <li>Nature and quality of sampling (e.g. cut channels, random chips, or specific specialized 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.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. 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).</li> </ul>	<ul> <li>For Reverse Circulation (RC) and aircore (AC) drilling, pulverised drill chip samples were collected in a large PVC bag on a one metre basis.</li> <li>RC and AC drilling utilized a face sampling bit, which provided a clean, predominantly dry sample, from which subsamples were taken for laboratory analysis, geological logging, and for chip tray collection.</li> <li>Sub-sampling via rig mounted cone splitter provided a nominal 2.5kg to 3kg sample for lab analysis, with sub-sampling completed on a 1 metre basis. If the sample was wet a 2.5kg to 3kg 'PVC' spear sample was collected in 3 different parts of the bulk sample to ensure representivity.</li> <li>Industry standard QAQC Standards (certified reference material), blanks, and duplicate samples were submitted for analysis with drill samples on a 1 in 25<sup>th</sup>, 26<sup>th</sup> 27<sup>th</sup> basis respectively.</li> <li>All samples were submitted to ALS Orange NSW, an independent certified and NATA accredited Australian laboratory for analysis.</li> <li>Reverse circulation and aircore drilling was undertaken with;</li> <li>Multi-purpose drill rig – UDR 650. For holes HYRC035 to HYRC054 a UDR 600 track mounted drill rig was utilized</li> <li>6m length rods, 122 mm diameter face sampling RC drill bit and 122mm face sampling AC drill bit with AC drilling utilized through high clay zones</li> <li>Auxiliary compressor (1150psi) and booster (900cfm).</li> </ul>
Drill Sample Recovery	<ul> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> </ul>	<ul> <li>Sample recovery is recorded for each individual 1m sample, and was considered to be acceptable by industry standards. Where drilling intersected ground water, wet samples were noted in sampling logs. Samples were predominantly dry, although some intervals showed no recovery due to cavities in the laterite profile.</li> </ul>

![](_page_9_Picture_0.jpeg)

Criteria	JORC Code Explanation	Commentary
	• 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.	<ul> <li>When water inflow compromised sample quality, drilling was discontinued.</li> <li>Representative samples were taken of each 1m in sample 'chip' trays with hole id and depth, and stored in a secure location in Orange NSW</li> </ul>
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.	<ul> <li>Qualitative and quantitative logging was completed by a qualified geologist at the drill site. Drill samples are sieved, logged on visual intervals into digital templates and placed into chip trays.</li> </ul>
	• Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	• Geological logging of drill chips is qualitative by nature, drill chip trays were retained for future reference.
	• The total length and percentage of the relevant intersections logged.	All meters drilled are logged
Sub-Sampling Techniques and Sample Preparation	<ul> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> </ul>	No core reported in this release
	<ul> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>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.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul> <li>RC/AC drill holes were sampled on a 1 metre basis and every metre drilled was subsampled.</li> <li>Sub-sampling of the bulk 1 metre samples was undertaken utilizing a cyclone mounted cone splitter or a multi-tiered riffle splitter when required to produce a 2.5kg to 3kg sample, of which each sample we weighed on site. If the sample was wet a 2.5kg to 3kg 'PVC' spear sample was collected in 3 different parts of the bulk sample to ensure representivity.</li> <li>Sub-sampling size for laboratory submission is nominally between 2.5kg and 3kg.</li> <li>These sub-sampling techniques are industry standard and when correctly applied provide quality, representative samples for laboratory analysis.</li> <li>Field duplicates of the RC sub-sampling were taken on a 1 in 25 basis, for laboratory analysis and subsequent statistical auditing of sampling procedures.</li> </ul>
Quality of Assay Data and	• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is	• All drill hole samples for analysis have been submitted to ALS Minerals, Leewood Drive, Orange, New South Wales. ALS is a respected and

![](_page_10_Picture_0.jpeg)

Criteria	JORC Code Explanation		Commentary	
Laboratory Tests	<ul> <li>considered partial or total.</li> <li>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.</li> <li>Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</li> </ul>	<ul> <li>certified independer operations througho</li> <li>Samples submitted in certified Standards and respectively. Lab Standards, blanks and accuracy and precision analysis.</li> <li>Analysis methods and below, with these resample medium and</li> </ul>	nt laboratory with exten- ut the world. ncluded sub-samples as w and Blanks, included on a ndards, Repeats and Blank tificates, along with the and duplicates were wit on. included crush (-6mm), pu d detection limits for worl hear total methods conside mineralization style encou	sive experience and with vell as field duplicates and 1 in 25 <sup>th</sup> , 26 <sup>th</sup> 27th basis is have also been reported standard QC Reports. All hin acceptable levels of ulverizing and sub-split for k are reported in the table dered appropriate for the untered:
		Element Pt, Pd, Au	Method ALS Methods – PGM-MS24 Pt, Pd and Au by fire assay and ICP-MS finish.	Detection Limit 0.0005ppm for Pt 0.001ppm for Pd & Au
		Ag, Al, As, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Fe, Ga, Be, Hf, In, K, La, Li, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Rb, Re, S, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y Zn, Zr. Al, Ca, Co, Cr, Cu, Fe,	ALS Methods – GEO-4A01 + MEMS61 48 element 4 acid digestion, with ICP-MS & ICPAES analysis ALS Method –	Variable Variable
		K, Mg, Mn, Na, Ni, P, Pb, Sc, Si, Ti, Zn	ME-XRF12n (incl. Sc) Fused disc XRF	

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Criteria	JORC Code Explanation		Commentary	
Verification of sampling and assaying	<ul> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul> <li>Sampling and analyti results are considere</li> <li>No twin holes were results, and results a</li> <li>Geological data was uploaded to a Micro data was entered int an Excel spreadsheet database.</li> <li>No adjustments wer detection limits are a interval calculations. conversion factor.</li> </ul>	analysis ALS Method- ME-GRA05 Furnace or Thermogravimetric Analyser (TGA) cal methods are of a good d representative of the m completed, but drilling t re comparable. entered directly into an Ex mine database, enabling of o a hardcopy field-sheet, t and then uploaded to an e made to assay data. As attributed a value of 50% Al2O3 % XRF assays conv	d standard and as such the ineralisation. rested nearby historic drill xcel spreadsheet, with this data verification. Sampling before being digitized into nd verified in a Micromine ssay values at 'lower than' of that detection limit for erted to Al% via x 0.52925
Location of Data Points	<ul> <li>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.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul> <li>Drill hole locations w the GDA94 (Zone 5 method also provid topographic control.</li> </ul>	vere surveyed using a Trir 5) datum (approximately des data of sufficient q	mble Juno 5 DGPS utilizing / + 10mm accuracy). This uality and adequacy for
Data Spacing and Distribution	<ul> <li>Data spacing for reporting of Exploration Results.</li> <li>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul> <li>Drilling was typically wider spaced holes w regarding data spaci resource estimation.</li> <li>No sample composit 1m basis.</li> </ul>	conducted on a 50m x 100 ere conducted. No determ ng and whether sample d ing has been applied, wit	Om spacing, although some hination has yet been made listribution is sufficient for h all drilling sampled on a

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Criteria	JORC Code Explanation	Commentary
Orientation of Data in Relation to Geological Structure	<ul> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>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.</li> </ul>	<ul> <li>Current observations suggest cobalt scandium nickel platinum mineralisation is hosted in a flat lying to gently east dipping laterite profile developed above an ultramafic intrusion.</li> <li>All drill holes completed were vertical, with vertical hole drill intersections considered to represent true thickness based on interpreted flat lying laterite host rocks.</li> </ul>
Sample Security	• The measures taken to ensure sample security.	<ul> <li>All samples were collected in clearly labelled numbered calico sample bags, before being packaged and sealed into larger, clearly marked, polyweave bags for transportation to the laboratory.</li> <li>All samples were supervised by a qualified geologist, and managed from sample collection to sample delivery to the ALS laboratory in Orange, NSW.</li> </ul>
Audits or Reviews	• The results of any audits or reviews of sampling techniques and data.	No audit of results has yet been undertaken.

## Section 2 Reporting of Exploration Results

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

Criteria	JORC Code Explanation	Commentary
Mineral	• Type, reference name/number, location and ownership including	The Hylea Project includes two exploration licenses EL8520 Hylea and EL8641
Tenement and	agreements or material issues with third parties such as joint	Bulbodney located in NSW, Australia. EL8520 Hylea was granted on the 21 <sup>st</sup> of
Land Tenure	ventures, partnerships, overriding royalties, native title interests,	Feb 2017 for 2 years and includes 12 units for approximately 34.5km2. EL8641
Status	historical sites, wilderness or national park and environmental	Bulbodney was granted on the 31 <sup>st</sup> of August 2017 for 2 years and includes 56
	settings.	units for approximately 161km2.
	• The security of the tenure held at the time of reporting along with	EL8520 and EL8641 are owned 100% by Providence Metals Pty Ltd. Both
	any known impediments to obtaining a license to operate in the	exploration licenses cover predominately private farm land utilized for cereal
	area.	cropping and stock grazing. The tenement is in good standing, and all work is
		conducted under specific approvals from NSW Trade and Investment, Mineral
		Resources.

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Criteria	JORC Code Explanation	Commentary
Exploration	• Acknowledgment and appraisal of exploration by other parties.	Modern exploration within the project commenced in the 1970's when
Done by Other		Lamadec Exploration Ltd (EL184) completed soil sampling, ground magnetics,
Parties		induced polarization (I.P) survey and auger drilling at the Barbarella Copper
		Prospect, and a single diamond drill hole (TM360D139) was completed to
		228.6m. This work has yet to be validated by the Companies due diligence
		process and as such is not reported within.
		Between Sept 1996 to Feb 1998 a joint venture between Lachlan Resources
		N.L. and Platsearch NL, (EL2652 & EL4454) completed 206 RAB holes (LR1 to
		LR147 and TG1 to TG55) for 7,352m and 2 NQ diamond holes (HY1 and HY2)
		for 202.48m. The drill holes targeted platinum at the Tigers Creek Prospect.
		Drill cuttings were generally collected in a rig mounted cyclone and split in a
		free-standing riffle splitter down to ~3-4kg in weight. The interval sampled was
		in most cases 3m and all holes were sampled throughout. Generally, all
		samples were sent for assay, occasional surface soil and clay samples were not
		analyzed. Each sample had a sample identification and lithological description.
		Samples were dispatched to ALS in Orange NSW, and assayed for Pt, Pd, Au via
		50g fire assay and minor selective samples were assayed for Ni, Cr, Co by AAS.
		Black Range Minerals NL (EL5633) between Oct 1999 to May 2003 completed
		15 Reverse Circulation (RC) holes (HRC001 to HRC015) for 609m targeting Ni-
		Cobalt mineralization at the Tigers Creek prospect. Each hole was logged on a
		1m basis, assay samples were collected on 1m intervals via cyclone and riffle
		split so that 12.5% of each sample was submitted for assay. In the course of
		logging 1m samples were collected and stored in standard chip trays for future
		reference. Assays samples were submitted to UltraTrace Perth for assay.
		Elements analyzed comprised Au, Pt, Pd, Ni, Co, Mg, Fe, Mn, Zn, Cu, Al, Cr, As,
		Ca, Sc and Silica together with moisture content.
		Rimfire Pacific Mining NL explored (EL6144) for Pt mineralization between Oct
		2004 to April 2014. Rimfire completed 34 air core / RC holes (HO3-01 to HO3-
		34) for 1,141m primarily at the Tigers Creek Prospect. Drilling sampling
		methods were as follows; approximately 1.5kg taken by 40mm spear
		extraction method from each 1m sample of drill spoil. Dispatched and assayed
		as 3kg samples comprising a 4m composite. Coarse drill chips were retained in

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Criteria	JORC Code Explanation	Commentary
		chip trays on 2m samples, a small 1kg sample was retained for reference.
		Samples were submitted in batches to ALS Chemex Orange NSW to carry out
		assaying for Pt, Pd, Au by assay method PGM/MS24 fire assay method with
		50g charge followed by ICP/MS analysis. The method has detection to Pt
		0.0005ppm, Pd 0.001ppm, Au 0.001ppm. Additional base metals assays were
		conducted on the previously assayed samples for Cobalt, Cu, Ni, Pb and Zn, by
		4 acid digest and ICP finish ME/ICP61.
		EL8294 was granted to JODAMA Pty Ltd on the 20 <sup>th</sup> August 2014 to 7 <sup>th</sup> March
		2016. Work completed included compilation of all previous drilling data
		including drill hole collar and assay data. JODAMA focused on platinum
		mineralization drilled by previous explorers and produced a non-JORC
		compliant Pt Resource before relinquishing the project.
		The current project holder Providence Metals PTY LTD have been focused on
		interpreting historic data that supports the presence of a laterite hosted Co Ni
		Sc Pt system at the Tigers Creek Prospect.
Geology	Deposit type, geological setting and style of mineralisation.	The Hylea project encapsulates the Hylea and Bulbodney Early Silurian to Devonian-age, Alaskan-type intrusive complexes, that can be divided into mafic felsic series (monzonite) and an ultramafic series. The ultramafic series comprises dunite-wehrlite, olivine-pyroxenites and olivine-clinopyroxenite rocks. The relative abundance of nickel, cobalt, scandium and platinum in these ultramafic rocks has been enriched to higher grades in the laterite profile due to either residual or supergene enrichment processes. The variations in element abundance in the original ultramafic basement rock affect the enriched concentrations in the laterite along with the development of the laterite and any erosion of the laterite profile. The lateritisation process developed over a long period of leaching which removed some elements and concentrating others by residual processes. Movement of water can also result in dissolution and precipitation of some elements by supergene processes. The lateritisation process can result in a thin laterally extensive zone. The Tigers Creek prospect is characterized by residual lateritic soils or is covered by alluvial material comprised of quartz gravels and sands. The geology is considered analogous to the nearby Owendale Complex held by Platina Resources, and the Tout intrusive complex held by CleanTeq Ltd and Australian Mines Limited, which host

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Criteria	JORC Code Explanation	Commentary
Drill Hole Information	<ul> <li>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:         <ul> <li>Easting and northing of the drill hole collar</li> <li>Elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>Dip and azimuth of the hole</li> <li>Down hole length and interception depth</li> <li>Hole length</li> </ul> </li> </ul>	Please refer to Tables 1,2 and 3, and Figures 1,2 and 3 in body of report
	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.	
Data Aggregation Methods	<ul> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>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.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	Cobalt intercepts were calculated based on a greater than or equal to 0.05% Co cutoff with greater than or equal to 1m downhole thickness and less than or equal to 3m internal dilution. Incl. cobalt intercepts were calculated based on a greater than or equal to 0.10% Co cutoff with greater than or equal to 1m downhole thickness and less than or equal to 3m internal dilution. Including intercepts calculated in comments field based on a greater than or equal to 0.20% Co cut-off, with greater than or equal to 1m down hole thickness. Platinum drill hole intercepts were calculated based on a greater than or equal to 0.50ppm Pt cut-off with greater than or equal to 1m down hole thickness and less than or equal to 3m internal dilution. Incl. platinum drill intercepts were calculated based on a greater than or equal to 1.0ppm Pt cut-off, with greater than or equal to 1m down hole thickness and less than or equal to 1m down hole thickness and less than or equal to 1.0ppm Pt cut-off, with greater than or equal to 1m down hole thickness and less than or equal to 1m down hole thickness and less than or equal to 1m down hole thickness and less than or equal to 1m down hole thickness and less than or equal to 1m down hole thickness and less than or equal to 1m down hole thickness and less than or equal to 3m internal dilution. Incl. scandium drill hole intercepts were calculated based on a greater than or equal to 1m down hole thickness and less than or equal to 3m internal dilution. Incl. scandium drill hole intercepts were calculated based on a greater than or equal to 1m down hole thickness and less than or equal to 3m internal dilution. Incl. scandium drill hole intercepts

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Criteria	JORC Code Explanation	Commentary
		less than or equal to 3m internal dilution. Al2O3 % XRF assays converted to Al
		% via x 0.52925 conversion factor.
		Assay values at "lower than" detection limits are attributed a value of 50% of
		that detection limit for interval calculations. Cobalt, Nickel & Platinum intercept
		values rounded to two decimal places.
		Metal equivalents are not reported
Relationship	• These relationships are particularly important in the reporting of	Current observations suggest cobalt scandium nickel platinum mineralisation is
Between	Exploration Results.	hosted in a flat lying laterite profile developed above an ultramafic intrusion.
Mineralisation	• If the geometry of the mineralisation with respect to the drill hole	Drilling was conducted at an inclination of -90 degrees, with vertical drill holes
Widths and	angle is known, its nature should be reported.	orientated perpendicular to the interpreted flat lying laterite host rocks. The
Intercept	• If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (as "down hole length true	orientation of the drilling indicates that reported results can be considered to
lengths.	width not known")	represent true thickness based on interpreted hat tying latence host rocks.
		Drill hole intercepts have been reported as down hole intervals.
Diagrams	• Appropriate maps and sections (with scales) and tabulations of	All diagrams including table of intercepts and plan view of drill hole collars at the
	intercepts should be included for any significant discovery being	Tigers Creek prospect are included in the body of the report. All maps and plans
	drill hole collar locations and appropriate sectional views	sections utilize MGA Zone 55, GDA94
Balanced	Where comprehensive reporting of all Exploration Results is not	Noted and complied with.
Reporting	practicable, representative reporting of both low and high grades	
	and/or widths should be practiced to avoid misleading reporting of	Cobalt intercepts were calculated based on a greater than or equal to 0.05% Co
	Exploration Results.	cutoff with greater than or equal to 1m downhole thickness and less than or
		equal to 3m internal dilution. Incl. cobalt intercepts were calculated based on a greater than or equal to 0.10%. Co cutoff with greater than or equal to 1m.
		downhole thickness and less than or equal to 3m internal dilution. Including
		intercepts calculated in comments field based on a greater than or equal to
		0.20% Co cut-off, with greater than or equal to 1m down hole thickness.
		Platinum drill hole intercepts were calculated based on a greater than or equal
		to 0.50ppm Pt cut-off with greater than or equal to 1m down hole thickness and
		less than or equal to 3m internal dilution. Incl. platinum drill intercepts were
		calculated based on a greater than or equal to 1.0ppm Pt cut-off, with greater

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Criteria	JORC Code Explanation	Commentary
		than or equal to 1m down hole thickness and less than or equal to 3m internal dilution.
		Scandium drill hole intercepts were calculated based on a greater than or equal to 200ppm Sc cut-off, with greater than or equal to 1m down hole thickness and less than or equal to 3m internal dilution. Incl. scandium drill hole intercepts were calculated based on a greater than or equal to 300ppm Sc cut-off and 600ppm Sc cut-off, with greater than or equal to 1m down hole thickness and less than or equal to 3m internal dilution. Al2O3 % XRF assays converted to Al % via x 0.52925 conversion factor.
		Assay values at "lower than" detection limits are attributed a value of 50% of that detection limit for interval calculations. Cobalt, nickel & Platinum intercept values rounded to two decimal places.
		Drill holes with greater than the above cutoffs at the Tigers Creek prospect are reported in intercept Table 1,2 &3 in the body of the report.
Other Substantive Exploration Data	<ul> <li>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</li> </ul>	The company has completed due diligence on past exploration conducted at the Hylea project. This work includes rock chip sampling, soil geochemistry, geological mapping and geophysics (e.g. ground magnetics and induced polarization I.P.). Additional work recently completed by Hylea Metals includes an airborne geophysical survey and regional soil sampling program (Refer to previous ASX announcements).
Further Work	<ul> <li>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	Additional analysis of this drilling will provide a better understanding of the mineralised zones and mineralisation processes that will be used in future interpretation and modelling at Tigers Creek, as well as the planning of additional drilling.