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Ardea Resources Limited

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ASX Symbol
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Unlisted options
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Loyalty options
22,113,737

Kalpini drill results highlight cobalt-nickel mineralisation, and scandium discovery

New results augment historic drill results showing extensive and high-grade cobalt-nickel mineralisation at the Kalpini system of deposits.

Drilling and core logging during the Kalpini campaign, March-April 2017

- The 30 km strike length Kalpini project (**75.0 Mt at 0.044 % cobalt and 0.73 % nickel)** is host to extensive and strong mineralisation.
- The recent campaign focused on sparsely-drilled areas. Intercepts include:
  - AKR0010, **8 m at 0.14 % cobalt and 0.66 % nickel** from surface
  - AKR0016, **26 m at 0.12 % cobalt and 0.90 % nickel** from 18.0 m *including* **8 m at 0.30 % cobalt and 1.65 % nickel** from 28.0 m
- Scandium discovered at Kalpini in three separate regolith horizons within the laterite profile. Intercepts include:
  - AKR0015, **20 m at 102 g/t scandium** from 38.0 m
  - AKR0017, **6 m at 463 g/t scandium** from 28.0 m.
- Thick scandium intercepts at Kalpini could enhance overall project economics as a potentially meaningful by-product credit.
- Numerous high-grade historic cobalt and nickel intercepts highlighted in regional compilation.
- Assessment of the Kalpini system of deposits is ongoing.

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Ardea Resources Limited (ASX: ARL, "Ardea" or "the Company") is pleased to announce that drill results have been received for the recent Reverse Circulation (RC) drilling program at the Kalpini system of deposits (Figure 1). Initial results combined with plentiful historic data show that Kalpini contains significant nickel and cobalt deposits that require detailed assessment in order to bring them into the KNP Cobalt Zone Pre-Feasibility Study.

The Kalpini RC drilling program

Historically, cobalt and nickel mineralisation at Kalpini has been identified over an approximate 30 km strike length (Figure 1). Thick intercepts of mineralisation are evident at numerous localities and these have contributed to the historic Inferred Mineral Resource at Kalpini of **75.0 Mt at 0.044 % cobalt and 0.73 % nickel**. (see the Ardea Resources Prospectus p.86 for further details).

The current drill program aimed to infill and characterise some of the lesser drilled areas between the defined deposits at Kalpini.

Cobalt, nickel, and scandium results from Kalpini

Ardea's recent drilling was purposefully targeted at gaps in the distribution of historic drilling (Figure 2). Results (Figure 3, Figure 4) show that higher cobalt and nickel values are consistent with historic results. Intercepts at a 0.5% nickel cut-off grade include the following:

- AKR0005, **24 m at** 0.05 % cobalt and **0.83 % nickel** from 16.0 m
- AKR0010, **8 m at 0.14 % cobalt and 0.66 % nickel** from 0.0 m
- AKR0016, **26 m at 0.12 % cobalt and 0.90 % nickel** from 18.0 m
  including **8 m at 0.30 % cobalt and 1.65 % nickel** from 28.0 m
- AKR0022, **24 m at** 0.04 % cobalt and **0.74 % nickel** from 20.0 m
- AKR0027, **36 m at** 0.05 % cobalt and **0.93 % nickel** from 20.0 m

Distributions of scandium, which has not been previously explored for at Kalpini, differ locally to the nickel and cobalt distributions (Figure 3, Figure 4). The discovery of thick scandium intercepts at Kalpini is significant because they could become a potentially meaningful by-product credit. Scandium intercepts include:

- AKR0006, 6 m at 60 g/t scandium from 12.0 m
- AKR0015, **20 m at 102 g/t scandium** from 38.0 m
- AKR0017, **6 m at 463 g/t scandium** from 28.0 m
- AKR0018, **20 m at 105 g/t scandium** from 2.0 m
- AKR0021, 10 m at 46 g/t scandium from 18.0 m
- AKR0028, 8 m at 57.5 g/t scandium from surface

The drillholes of this recent program were specifically located in areas of little drilling and were aimed to supply additional geological and geo-metallurgical information. These are not indicative of all mineralisation at Kalpini as they were purposefully drilled outside the main defined high-grade zones.

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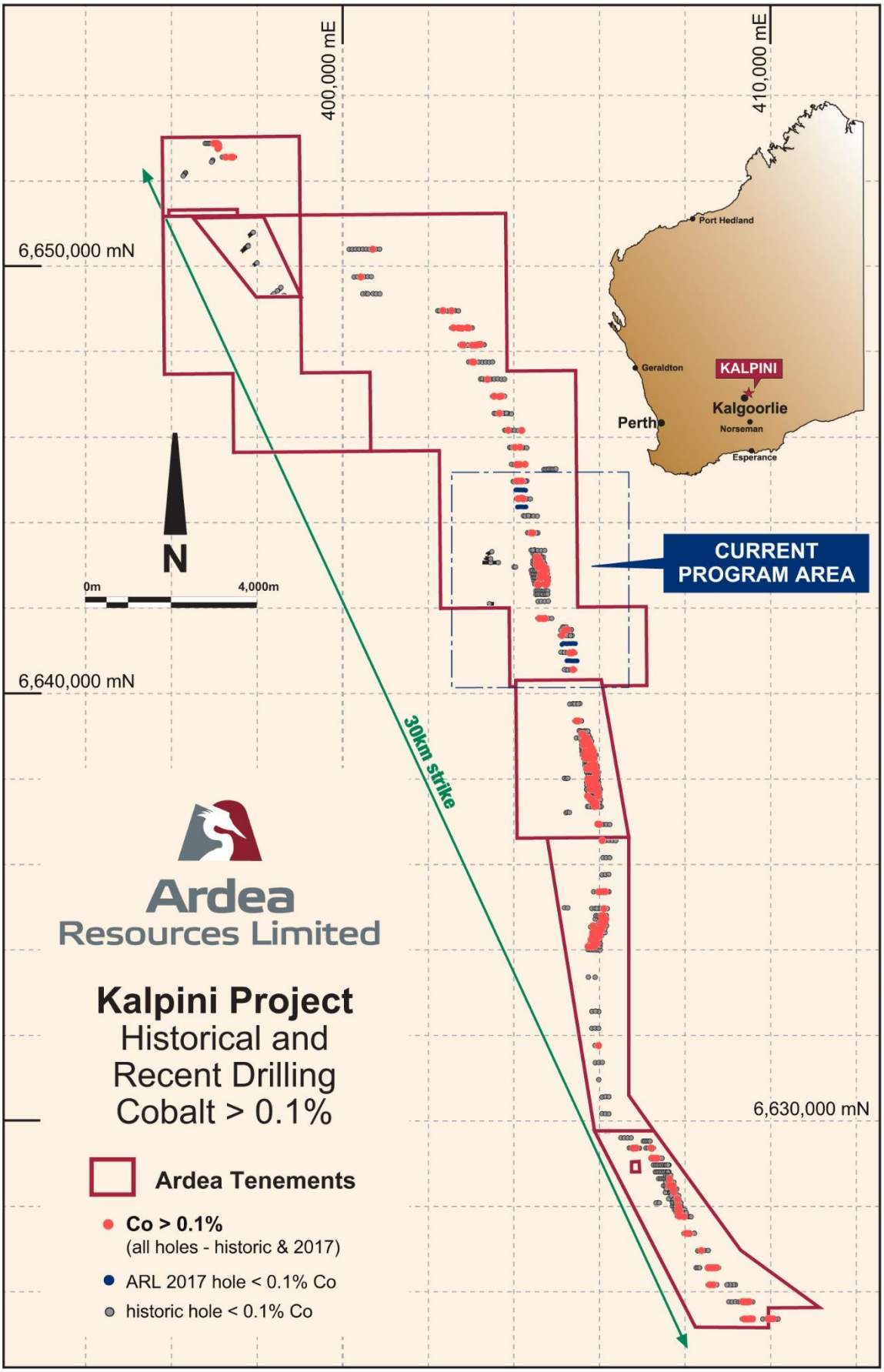

Figure 1 – Overview of the Kalpini system of nickel and cobalt deposits to the northeast of Kalgoorlie. The overall strike length of the Kalpini system is over 30 km. Extensive mineralisation has been identified historically by over 650 drill holes. Mineralisation is represented by occurrences of cobalt values in excess of 0.10 % through-out the program area.

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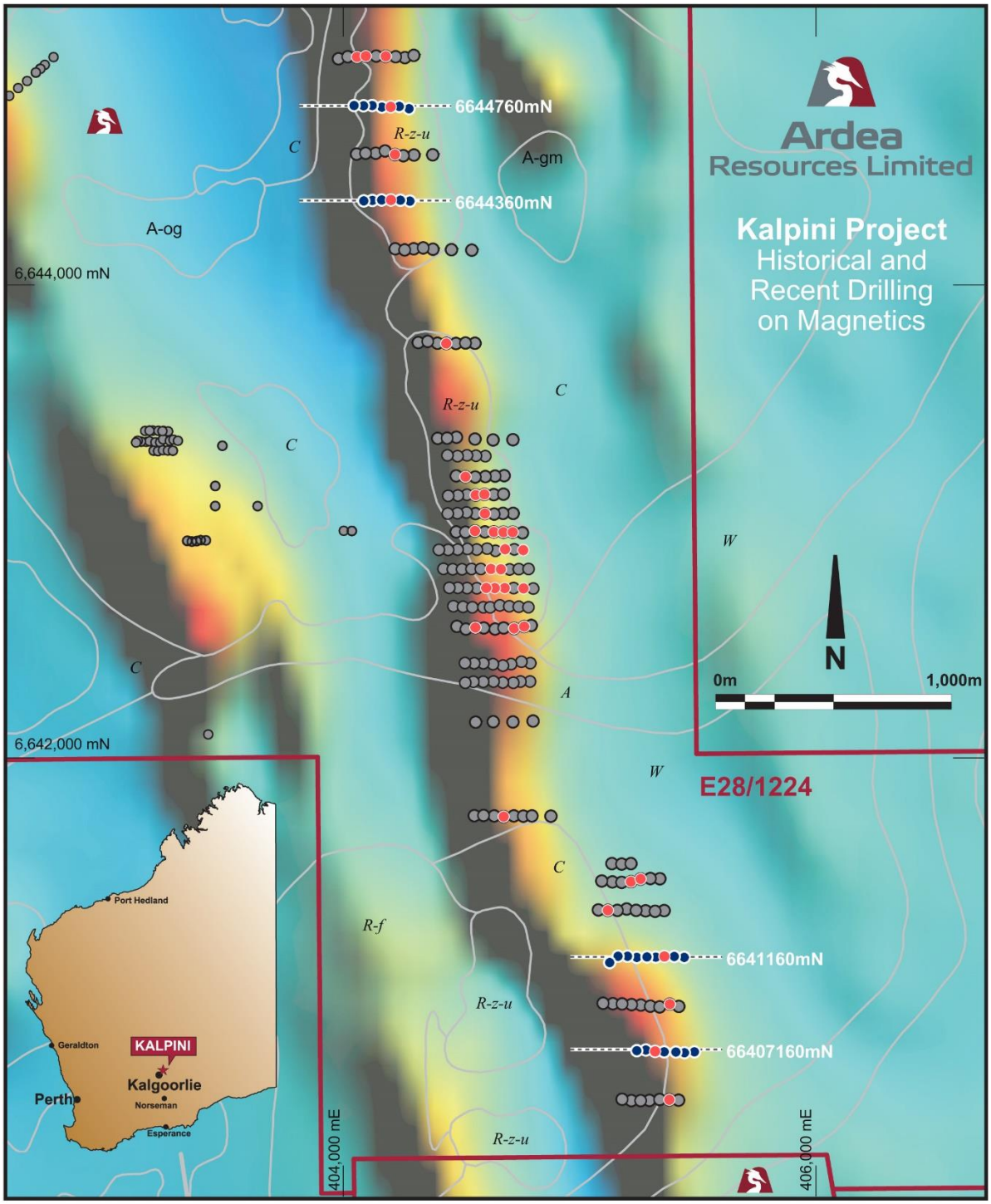

Ardea Tenement

Co %m legend

- **Co %m ≥ 0.3%m** (all holes - historic & 2017)
- ARL 2017 hole < 0.3%m
- historic hole < 0.3%m

A-og; Gabbro; minor pyroxine or quartz gabbro components; metamorphosed

A-gm; Granitoid

A; Clay, silt, sand, and gravel in channels and floodplains

C; Colluvium derived from different rock types; includes gravel, sand and silt

R-f; Ferruginous duricrust, massive to rubbly; includes iron-cemented reworked products

R-z-u; Silica caprock over ultramafic rock; local chalcedony and chrysophase

W; Clay, silt and sand in extensive fans; local ferruginous gravel

Figure 2 – The recent Kalpini drill program (blue) shown with historic drilling (grey). Magnetic data shows the distribution of ultramafic units in the subsurface that control the overall distribution of cobalt and nickel mineralisation. Mineralisation (orange-red dots) is represented by cobalt percent-metre values in excess of 0.3. Such values are calculated by multiplying the thickness of an intercept at a 0.1% Co cut-off grade by the mineralisation grade over that intercept, and are a common method of displaying mineralisation distributions. Note the similarities between this distribution method and the simpler method shown in Figure 1.

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Historic high-grade results from Kalpini

These new results clearly contrast with the higher-grade cobalt values recorded in the historic holes. Newly calculated intercepts from the historic data include the following:

- VKPRC0003, 33 m at 0.1 % cobalt and 1.25 % nickel from 2 m
- VKPRC0062, 23 m at 0.15 % cobalt and 1.21 % nickel from 21 m
- VKPRC0082, 26 m at 0.19 % cobalt and 1.98 % nickel from 27 m
- VKPRC0214, 36 m at 0.08 % cobalt and 0.77 % nickel from 11 m
- VKPRC0350, **23 m at 0.10 % cobalt and 0.93 % nickel** from 20.0 m,
  including **11 m at 0.18 % cobalt and 1.41 % nickel** from 28.0 m
- WERC0033, **11 m at 0.20 % cobalt and 0.92 % nickel** from 13.0 m
  including **2 m at 0.82 % cobalt and 1.52 % nickel** from 14.0 m
- WERC0050, **39 m at** 0.08 % cobalt and **0.78 % nickel** from 9.0 m
  including **11 m at 0.15 % cobalt and 1.07 % nickel** from 11.0 m
- WERC0065, **18 m at 0.12 % cobalt and 0.77 % nickel** from 9.0 m
- WERC0066, **15 m at 0.10 % cobalt and 1.1 % nickel** from 30.0 m
- WERC0125, **11 m at 0.14 % cobalt and 0.83 % nickel** from 23.0 m
- WERC0133, **26 m at 0.12 % cobalt and 1.17 % nickel** from 25.0 m
  including **13 m at 0.20 % cobalt and 1.67 % nickel** from 30.0 m
- WERC0180, 35 m at 0.08 % cobalt and 0.79 % nickel from 5 m
- WERC0258, **20 m at 0.15 % cobalt and 0.87 % nickel** from 19.0 m
  including **7 m at 0.33 % cobalt and 1.16 % nickel** from 21.0 m
- WERC0300, **14 m at 0.14 % cobalt and 0.94 % nickel** from 19.0 m
  including **5 m at 0.33 % cobalt and 1.34 % nickel** from 21.0 m

The parts of Kalpini that have been drilled in this program are marginal to the more highly mineralised, more densely drilled zones defined by the historic data, as listed above. In these recently drilled areas, Kalpini is clearly nickel-dominated, with broad, continuous zones of nickel mineralisation evident. Within these nickel envelopes, the cobalt shows local high-grade zones but is spottier in its overall distribution.

This is most likely a result of the underlying and controlling basement geology, reflecting an olivine adcumulate precursor rock at Kalpini as opposed to the more favourable olivine mesocumulate host at Goongarrie and Black Range.

Scandium mineralisation at Kalpini

The discovery of scandium at Kalpini is significant, but data is presently limited. Prior to Ardea's tenure, scandium had not been assayed, so its distributions relative to the higher-grade cobalt-nickel mineralisation at Kalpini are currently unknown.

As at Ardea's other recent scandium discovery, Black Range (to the west), Kalpini is host to significant scandium mineralisation within the laterite profile. If these occurrences were to be considered as stand-

alone deposits, the abundances of scandium could be problematic. However, the concentrations recorded could contribute as a supplementary payable commodity to the economics of any bulk-tonnage cobalt-nickel open pit operations at Kalpini.

Scandium is present throughout the recently drilled area as several bands or sheets that are up to 20 m thick, with significant intercepts such as **20 m at 102 g/t scandium** from 38.0 m in hole AKR0015 and **6 m at 463 g/t scandium** from 28.0 m in holes AKR0017. Scandium values within these bands vary between 50 and 480 g/t*.

In the recent drillholes, scandium is usually situated above the cobalt-nickel mineralisation (e.g. Figure 4). Any cobalt and nickel focussed mining operation will require excavation of the scandium envelope in any event. As such, it makes sense to investigate any means to monetise scandium.

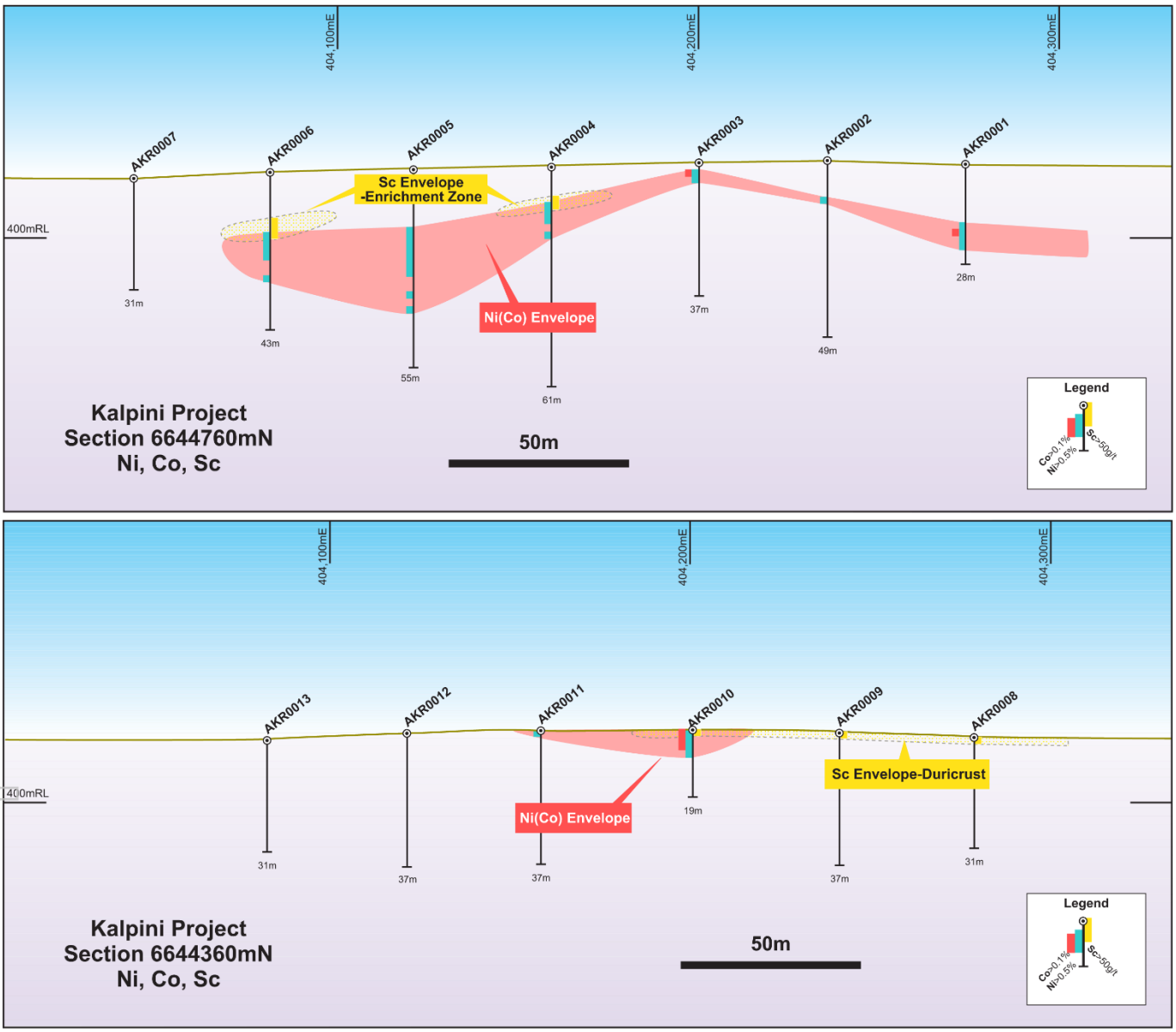

Figure 3 – The more northerly sections (6644360 and 6644760mN) at Kalpini, showing nickel (Ni), cobalt (Co), and scandium (Sc) distributions. Envelopes for the nickel-cobalt and for the scandium mineralisation show lateral continuity.

* *Scandium was assayed using the XRF technique. The concentrations present at Kalpini are toward the lower limit of detectability of the technique for scandium. Whilst scandium passed all QAQC checks, it should be noted that results are likely to be less accurate than those of other metals.*

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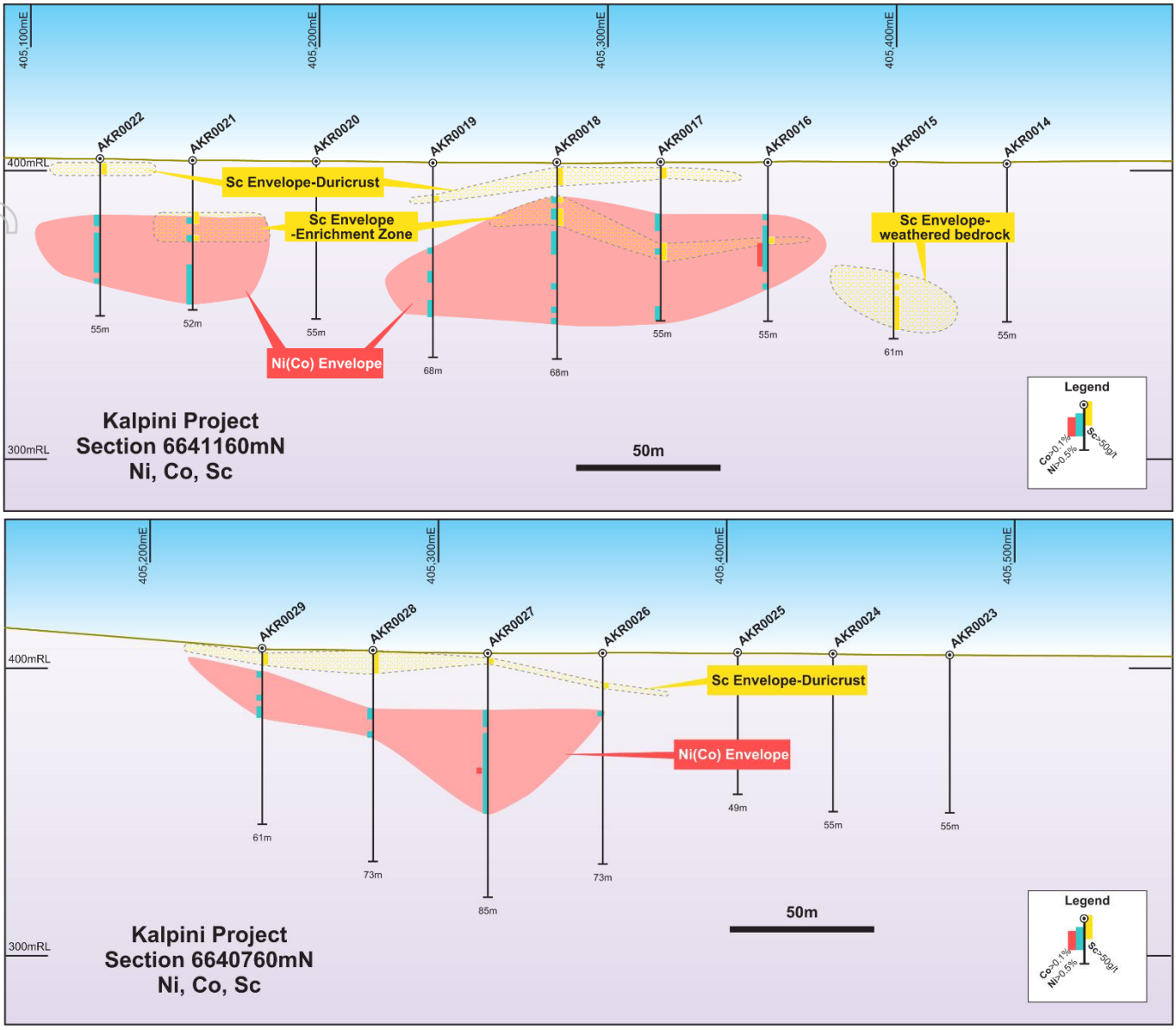

Figure 4 – The more southerly sections (6640760 and 6641160mN) at Kalpini, located around 3 km south of the northerly sections, showing nickel (Ni), cobalt (Co), and scandium (Sc) distributions. Envelopes for the nickel-cobalt and for the scandium mineralisation show lateral continuity.

A 20 m thick zone of scandium mineralisation intercepted in hole AKR0015 is located to the east of the cobalt and nickel mineralisation (Figure 4). Examination of drill chips shows that this occurrence is different to others encountered at Kalpini. The host rock, which has yet to be definitively identified, is quite different to the ultramafic laterite profile that comprises the bulk of the Kalpini cobalt-nickel deposit.

This will be incorporated into future pre-feasibility studies of the deposit.

With scandium metal presently worth US$15,000 per kg† (equivalent to US$15 million per tonne, or US$15 per gram) and scandium trioxide some US$1,500 to 6,000 per kg, there is the potential for substantial cost benefit to any cobalt-nickel mining operation, even with only moderate recoveries. As such, low head grades can add significantly to the economics of a project. For example, CleanTeQ's comparable Syerston

† *Source: http://mineralprices.com/*

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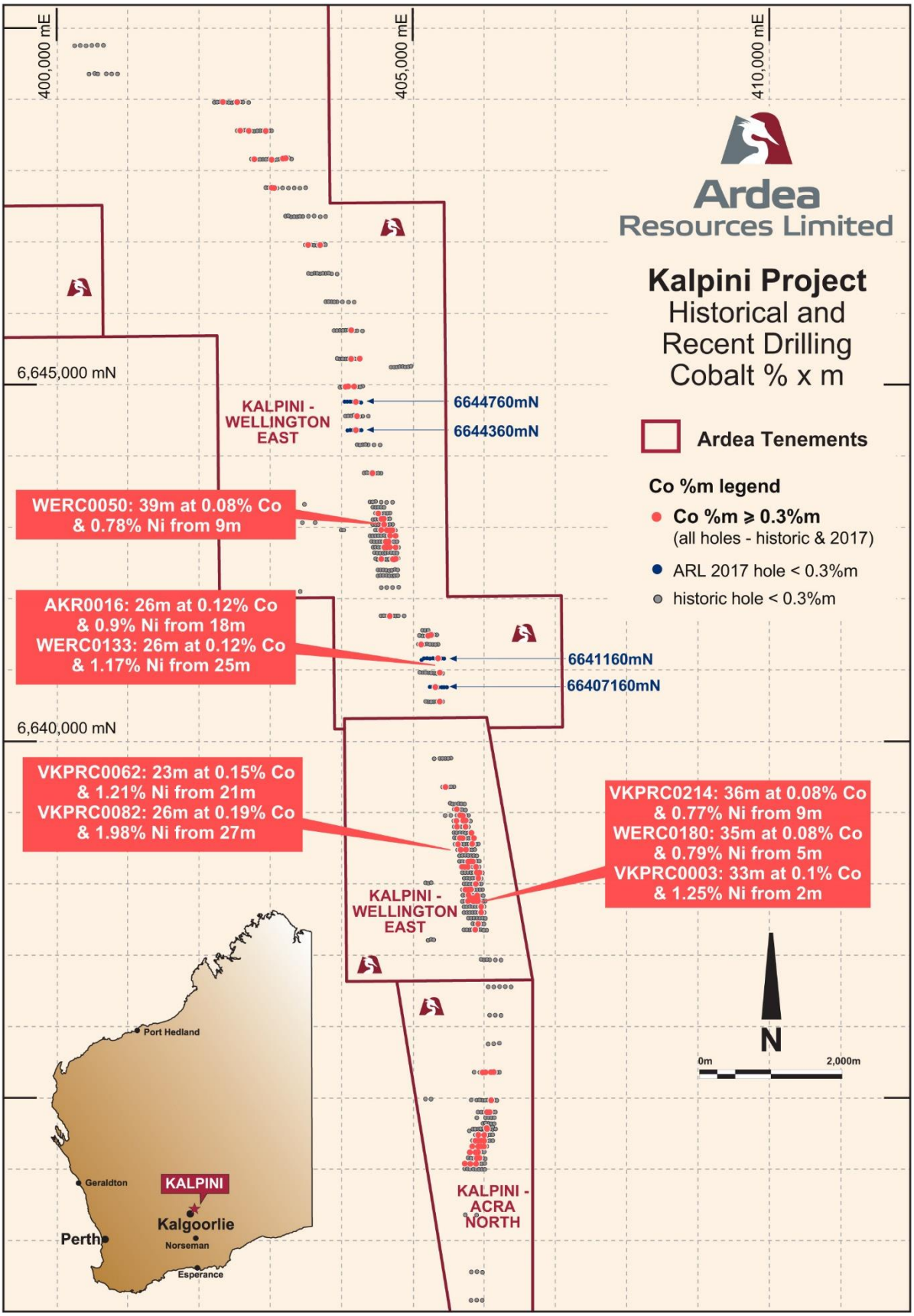

Figure 5 – Historic drilling throughout the central and northern parts of Kalpini, showing the location of the current drill program outside of the more highly mineralised zones. Selected Intercepts are shown. Mineralisation (orange-red dots) is represented by cobalt percent-metre values in excess of 0.3. Such values are calculated by multiplying the thickness of an intercept at a 0.1% Co cut-off grade by the mineralisation grade over that intercept, and are a common method of displaying mineralisation distributions. Note the similarities between this distribution method and the simpler method shown in Figure 1.

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cobalt-nickel-scandium project‡ (as opposed to their earlier-defined, higher-grade, stand-alone scandium project) reports an operating head grade of 53 g/t scandium. Kalpini contains scandium mineralisation exceeding these grades.

Background to the Kalpini drill program

The Kalpini cobalt-nickel project in the Eastern Goldfields of Western Australia is located around 70 km northeast of Kalgoorlie. Ardea has records of over 650 historic drillholes prior to this drill program.

A series of 29 RC drill holes was drilled in March and April 2017. The program totalled 1,471 m with 748 new assays recorded (not including standards, blanks etc.). The program was designed to test selected peripheral portions of the extensive Kalpini project, and to progress the project on several fronts:

1. To infill widely-drilled areas and determine their cobalt and nickel content and distributions.
2. To determine whether scandium is present and, if so, define its distribution within the laterite profile relative to future mining positions.
3. To confirm and expand upon historically poorly-defined platinum and palladium mineralisation.
4. To move Kalpini, or portions of the Kalpini project, into the KNP Cobalt Zone if appropriate.

The drill program has shown the following:

- **High-grade and extensive nickel mineralisation** is punctuated by less extensive cobalt mineralisation in the drilled areas. This contrasts with extensive higher-grade cobalt mineralisation in several historic deposits at Kalpini.
- **Scandium mineralisation was discovered**. It is distributed in several bands and zones that reflect the variable geology at Kalpini. Some of the scandium mineralisation is exposed at surface.

Further work at Kalpini

Historically, cobalt and nickel mineralisation at Kalpini has been identified over an approximate 30 km strike length (Figure 1). Thick intercepts of cobalt and nickel mineralisation are evident throughout several areas.

There are several deposits that will require reassessment at Kalpini. In order to upgrade these areas to the KNP Cobalt Zone, cobalt-nickel mineralisation will be assessed on the basis of grades, distributions, and a series of proven in-house geo-metallurgical discriminators.

There are several strongly mineralised cobalt and nickel zones at Kalpini that are candidates to be elevated to, and to contribute significantly to, the overall resource of the KNP Cobalt Zone for processing at a central facility likely to be located at Goongarrie.

Further examination may also be required to define the extent of scandium mineralisation at Kalpini. Should modelling and current metallurgical programs suggest that scandium can contribute positively to the economics of any open cut cobalt-nickel mining operation, an assessment of scandium distributions will be required. This could be in the form of re-assaying of historic pulps (assuming that they are suitably preserved) or shallow drilling in more highly mineralised zones.

‡ *CleanTeQ Holdings Limited, 5 October 2016, "Syerston Nickel and Cobalt Pre-Feasibilty Study Completed", p. 14.*

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Compliance Statement (JORC 2012)

A competent person's statement for the purposes of Listing Rule 5.22 has previously been announced by the Company for:

1. *Kalgoorlie Nickel Project on 21 October 2013 and 31 June 2014, October 2016, 2016 Heron Resources Annual Report and 6 January 2017;*
2. *KNP Cobalt Zone Study on 6 January 2017*

The Company confirms that it is not aware of any new information or data that materially affects information included in previous announcements, and all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed. All projects will be subject to new work programs following the listing of Ardea, notably drilling, metallurgy and JORC Code 2012 resource estimation as applicable.

The information in this report that relates to the Kalpini Exploration Results is based on information originally compiled by current full time employees of Ardea Resources Limited. The Exploration Results and data collection processes have been reviewed, verified and re-interpreted by Mr Ian Buchhorn who is a Member of the Australasian Institute of Mining and Metallurgy and a director of Ardea Resources Limited. Mr Buchhorn has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the exploration activities 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 Buchhorn consents to the inclusion in this report of the matters based on his information in the form and context that it appears.

The exploration and industry benchmarking summaries are based on information reviewed by Dr Matthew Painter, who is a Member of the Australian Institute of Geoscientists. Dr Painter is a full-time employee and a director of Ardea Resources Limited and 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'. Dr Painter has reviewed this press release and consents to the inclusion in this report of the information in the form and context in which it appears.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING INFORMATION

This news release contains forward-looking statements and forward-looking information within the meaning of applicable Australian securities laws, which are based on expectations, estimates and projections as of the date of this news release.

This forward-looking information includes, or may be based upon, without limitation, estimates, forecasts and statements as to management's expectations with respect to, among other things, development and business plans, capital and exploration expenditures, the effect on the Company of any changes to existing legislation or policy, government regulation of mining operations, the length of time required to obtain permits, certifications and approvals, the success of exploration, development and mining activities, the geology of the Company's properties, environmental risks, the availability of labour, the focus of the Company in the future, demand and market outlook for metals and the prices thereof, progress in development of mineral properties, the Company's ability to raise funding privately or on a public market in the future, the Company's future growth, results of operations, performance, and business prospects and opportunities. Wherever possible, words such as "anticipate", "believe", "expect", "intend", "may" and similar expressions have been used to identify such forward-looking information. Forward-looking information is based on the opinions and estimates of management at the date the information is given, and on information available to management at such time. Forward-looking information involves significant risks, uncertainties, assumptions and other factors that could cause actual results, performance or achievements to differ materially from the results discussed or implied in the forward-looking information. These factors, including, but not limited to, fluctuations in currency markets, fluctuations in commodity prices, the ability of the Company to access sufficient capital on favourable terms or at all, changes in national and local government legislation, taxation, controls, regulations, political or economic developments in Australia or other countries in which the Company does

business or may carry on business in the future, operational or technical difficulties in connection with exploration or development activities, employee relations, the speculative nature of mineral exploration and development, obtaining necessary licenses and permits, diminishing quantities and grades of mineral reserves, contests over title to properties, especially title to undeveloped properties, the inherent risks involved in the exploration and development of mineral properties, the uncertainties involved in interpreting drill results and other geological data, environmental hazards, industrial accidents, unusual or unexpected formations, pressures, cave-ins and flooding, limitations of insurance coverage and the possibility of project cost overruns or unanticipated costs and expenses, and should be considered carefully. Many of these uncertainties and contingencies can affect the Company's actual results and could cause actual results to differ materially from those expressed or implied in any forward-looking statements made by, or on behalf of, the Company. Prospective investors should not place undue reliance on any forward-looking information.

Although the forward-looking information contained in this news release is based upon what management believes, or believed at the time, to be reasonable assumptions, the Company cannot assure prospective purchasers that actual results will be consistent with such forward-looking information, as there may be other factors that cause results not to be as anticipated, estimated or intended, and neither the Company nor any other person assumes responsibility for the accuracy and completeness of any such forward-looking information. The Company does not undertake, and assumes no obligation, to update or revise any such forward-looking statements or forward-looking information contained herein to reflect new events or circumstances, except as may be required by law.

No stock exchange, regulation services provider, securities commission or other regulatory authority has approved or disapproved the information contained in this news release.

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Appendix 1 – Collar location data, Kalpini

New drill holes by Ardea Resources at Kalpini

Drill hole	Type	Depth (m)	Date completed	Grid	Easting (mE)	Northing (mN)	RL (mASL)	Dip (°)	Azimuth (°)
AKR0001	RC	28	21-Mar-17	MGA94_51	404273.77	6644747.86	420.5	-90	0
AKR0002	RC	49	21-Mar-17	MGA94_51	404235.48	6644757.99	421.48	-90	0
AKR0003	RC	37	30-Mar-17	MGA94_51	404199.94	6644756.74	420.81	-90	0
AKR0004	RC	61	30-Mar-17	MGA94_51	404159.3	6644759.04	419.65	-90	0
AKR0005	RC	55	30-Mar-17	MGA94_51	404121.21	6644760.3	419.1	-90	0
AKR0006	RC	43	30-Mar-17	MGA94_51	404081.11	6644760.8	417.91	-90	0
AKR0007	RC	31	31-Mar-17	MGA94_51	404043.49	6644760.6	416.53	-90	0
AKR0008	RC	31	31-Mar-17	MGA94_51	404278.65	6644360.81	418.11	-90	0
AKR0009	RC	37	31-Mar-17	MGA94_51	404241.66	6644359.91	419.53	-90	0
AKR0010	RC	19	31-Mar-17	MGA94_51	404200.92	6644362.14	420.57	-90	0
AKR0011	RC	37	31-Mar-17	MGA94_51	404158.56	6644361.85	420.27	-90	0
AKR0012	RC	37	01-Apr-17	MGA94_51	404121.49	6644361.91	419.32	-90	0
AKR0013	RC	31	01-Apr-17	MGA94_51	404082.45	6644357.49	417.52	-90	0
AKR0014	RC	55	01-Apr-17	MGA94_51	405437.9	6641158.49	402.59	-90	0
AKR0015	RC	61	02-Apr-17	MGA94_51	405398.77	6641162.05	402.59	-90	0
AKR0016	RC	55	02-Apr-17	MGA94_51	405355.02	6641162.76	402.77	-90	0
AKR0017	RC	55	02-Apr-17	MGA94_51	405318.06	6641159.03	402.83	-90	0
AKR0018	RC	68	02-Apr-17	MGA94_51	405281.9	6641162.74	402.93	-90	0
AKR0019	RC	68	03-Apr-17	MGA94_51	405238.98	6641157.68	403.24	-90	0
AKR0020	RC	55	03-Apr-17	MGA94_51	405198.51	6641163.09	403.48	-90	0
AKR0021	RC	52	03-Apr-17	MGA94_51	405155.73	6641161.56	403.79	-90	0
AKR0022	RC	55	03-Apr-17	MGA94_51	405123.58	6641138.86	404.53	-90	0
AKR0023	RC	55	03-Apr-17	MGA94_51	405477.42	6640756.53	404.92	-90	0
AKR0024	RC	55	04-Apr-17	MGA94_51	405436.91	6640755.93	405.07	-90	0
AKR0025	RC	49	04-Apr-17	MGA94_51	405403.94	6640756.48	405.27	-90	0
AKR0026	RC	73	04-Apr-17	MGA94_51	405356.97	6640755.78	405.21	-90	0
AKR0027	RC	85	04-Apr-17	MGA94_51	405317.1	6640758.62	405.47	-90	0
AKR0028	RC	73	05-Apr-17	MGA94_51	405277.18	6640763.54	405.95	-90	0
AKR0029	RC	61	05-Apr-17	MGA94_51	405238.65	6640761.07	406.64	-90	0

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Appendix 2 – Assay results from Kalpini

All assays from the 2017 drilling program at Kalpini.

Abbreviations used: Co – cobalt, Ni – nickel, Sc – scandium, Cr – chromium, m – metre, g/t – grams per tonne, b.d. – below detection.

Hole	From (m)	To (m)	Width (m)	Sample number	Co (%)	Ni (%)	Sc (g/t)	Cr (%)
AKR0001	0.00	2.00	2.00	R102131	0.012	0.103	50	0.47
AKR0001	2.00	4.00	2.00	R102132	0.008	0.128	60	0.49
AKR0001	4.00	6.00	2.00	R102133	0.014	0.153	50	0.58
AKR0001	6.00	8.00	2.00	R102134	0.013	0.152	50	0.70
AKR0001	8.00	10.00	2.00	R102135	0.012	0.182	30	0.76
AKR0001	10.00	12.00	2.00	R102136	0.005	0.208	10	0.25
AKR0001	12.00	14.00	2.00	R102137	0.004	0.227	20	0.30
AKR0001	14.00	16.00	2.00	R102138	0.004	0.452	20	0.41
AKR0001	16.00	18.00	2.00	R102139	0.011	0.793	10	0.51
AKR0001	18.00	20.00	2.00	R102140	0.100	0.749	30	1.11
AKR0001	20.00	22.00	2.00	R102141	0.084	0.932	30	1.01
AKR0001	22.00	24.00	2.00	R102142	0.050	0.876	10	1.10
AKR0001	24.00	26.00	2.00	R102143	0.024	0.489	10	0.77
AKR0001	26.00	28.00	2.00	R102144	0.022	0.413	20	0.62
AKR0002	0.00	2.00	2.00	R102145	0.030	0.233	40	1.17
AKR0002	2.00	4.00	2.00	R102146	0.037	0.285	50	1.08
AKR0002	4.00	6.00	2.00	R102147	0.023	0.276	20	0.61
AKR0002	6.00	8.00	2.00	R102148	0.012	0.154	10	0.27
AKR0002	8.00	10.00	2.00	R102149	0.007	0.086	b.d.	0.04
AKR0002	10.00	12.00	2.00	R102151	0.032	0.559	b.d.	0.24
AKR0002	12.00	14.00	2.00	R102152	0.029	0.383	20	0.59
AKR0002	14.00	16.00	2.00	R102153	0.020	0.443	b.d.	0.39
AKR0002	16.00	18.00	2.00	R102154	0.017	0.377	10	0.54
AKR0002	18.00	20.00	2.00	R102155	0.015	0.367	b.d.	0.60
AKR0002	20.00	22.00	2.00	R102156	0.024	0.420	10	0.80
AKR0002	22.00	24.00	2.00	R102157	0.025	0.359	10	0.76
AKR0002	24.00	26.00	2.00	R102158	0.019	0.388	10	0.83
AKR0002	26.00	28.00	2.00	R102159	0.023	0.395	10	0.76
AKR0002	28.00	30.00	2.00	R102160	0.022	0.419	20	0.57
AKR0002	30.00	32.00	2.00	R102161	0.018	0.348	b.d.	0.52
AKR0002	32.00	34.00	2.00	R102162	0.013	0.250	10	0.39
AKR0002	34.00	36.00	2.00	R102163	0.014	0.262	10	0.36
AKR0002	36.00	38.00	2.00	R102164	0.014	0.255	b.d.	0.36
AKR0002	38.00	40.00	2.00	R102165	0.013	0.275	b.d.	0.38
AKR0002	40.00	42.00	2.00	R102166	0.014	0.295	b.d.	0.40
AKR0002	42.00	44.00	2.00	R102167	0.014	0.286	20	0.36
AKR0002	44.00	46.00	2.00	R102168	0.012	0.254	b.d.	0.35
AKR0002	46.00	48.00	2.00	R102169	0.013	0.238	10	0.44
AKR0002	48.00	49.00	1.00	R102170	0.012	0.221	b.d.	0.34
AKR0003	0.00	2.00	2.00	R102172	0.083	0.387	20	0.44
AKR0003	2.00	4.00	2.00	R102173	0.198	0.663	30	0.46
AKR0003	4.00	6.00	2.00	R102174	0.075	0.597	20	0.47
AKR0003	6.00	8.00	2.00	R102175	0.031	0.471	20	0.38
AKR0003	8.00	10.00	2.00	R102176	0.024	0.480	b.d.	0.46
AKR0003	10.00	12.00	2.00	R102177	0.018	0.382	20	0.43
AKR0003	12.00	14.00	2.00	R102178	0.018	0.350	20	0.34
AKR0003	14.00	16.00	2.00	R102179	0.005	0.104	30	0.04
AKR0003	16.00	18.00	2.00	R102180	0.005	0.198	20	0.13
AKR0003	18.00	20.00	2.00	R102181	0.020	0.294	20	0.37
AKR0003	20.00	22.00	2.00	R102182	0.014	0.253	10	0.42
AKR0003	22.00	24.00	2.00	R102183	0.017	0.315	30	0.47
AKR0003	24.00	26.00	2.00	R102184	0.016	0.305	20	0.52
AKR0003	26.00	28.00	2.00	R102185	0.018	0.309	20	0.63
AKR0003	28.00	30.00	2.00	R102186	0.016	0.297	30	0.56
AKR0003	30.00	32.00	2.00	R102187	0.013	0.264	10	0.50
AKR0003	32.00	34.00	2.00	R102188	0.014	0.302	10	0.52
AKR0003	34.00	36.00	2.00	R102189	0.014	0.346	10	0.53
AKR0003	36.00	37.00	1.00	R102191	0.014	0.260	20	0.55
AKR0004	0.00	2.00	2.00	R102192	0.006	0.046	10	0.26
AKR0004	2.00	4.00	2.00	R102193	0.010	0.051	20	0.26
AKR0004	4.00	6.00	2.00	R102194	0.008	0.053	10	0.21
AKR0004	6.00	8.00	2.00	R102195	0.024	0.198	30	0.34
AKR0004	8.00	10.00	2.00	R102196	0.046	0.339	70	1.10
AKR0004	10.00	12.00	2.00	R102197	0.092	0.520	60	1.94
AKR0004	12.00	14.00	2.00	R102198	0.087	0.547	30	1.15
AKR0004	14.00	16.00	2.00	R102199	0.052	0.540	20	1.07
AKR0004	16.00	18.00	2.00	R102200	0.021	0.349	10	0.70
AKR0004	18.00	20.00	2.00	R102201	0.017	0.531	10	0.57
AKR0004	20.00	22.00	2.00	R102202	0.025	0.450	10	0.90
AKR0004	22.00	24.00	2.00	R102203	0.019	0.366	10	0.64
AKR0004	24.00	26.00	2.00	R102204	0.026	0.472	20	0.82
AKR0004	26.00	28.00	2.00	R102205	0.008	0.298	b.d.	0.36
AKR0004	28.00	30.00	2.00	R102206	0.027	0.373	b.d.	0.85
AKR0004	30.00	32.00	2.00	R102207	0.017	0.325	10	0.71
AKR0004	32.00	34.00	2.00	R102208	0.005	0.185	30	0.05
AKR0004	34.00	36.00	2.00	R102209	0.006	0.244	30	0.24
AKR0004	36.00	38.00	2.00	R102211	0.016	0.250	20	0.59
AKR0004	38.00	40.00	2.00	R102212	0.017	0.252	10	0.63
AKR0004	40.00	42.00	2.00	R102213	0.016	0.245	10	0.58
AKR0004	42.00	44.00	2.00	R102214	0.013	0.334	b.d.	0.47
AKR0004	44.00	46.00	2.00	R102215	0.010	0.252	b.d.	0.42
AKR0004	46.00	48.00	2.00	R102216	0.010	0.347	b.d.	0.44
AKR0004	48.00	50.00	2.00	R102217	0.009	0.305	b.d.	0.41
AKR0004	50.00	52.00	2.00	R102218	0.009	0.224	b.d.	0.39
AKR0004	52.00	54.00	2.00	R102219	0.011	0.239	b.d.	0.39
AKR0004	54.00	56.00	2.00	R102220	0.011	0.248	b.d.	0.37
AKR0004	56.00	58.00	2.00	R102221	0.011	0.234	10	0.40
AKR0004	58.00	60.00	2.00	R102222	0.010	0.224	10	0.37
AKR0004	60.00	61.00	1.00	R102223	0.006	0.158	10	0.29
AKR0005	0.00	2.00	2.00	R102224	b.d.	0.041	b.d.	0.45
AKR0005	2.00	4.00	2.00	R102225	0.001	0.029	b.d.	0.70
AKR0005	4.00	6.00	2.00	R102226	0.002	0.046	10	0.77
AKR0005	6.00	8.00	2.00	R102227	0.003	0.069	10	0.74
AKR0005	8.00	10.00	2.00	R102228	0.006	0.100	20	1.04
AKR0005	10.00	12.00	2.00	R102229	0.008	0.184	30	0.88
AKR0005	12.00	14.00	2.00	R102230	0.001	0.087	10	0.35
AKR0005	14.00	16.00	2.00	R102232	0.016	0.271	20	1.04
AKR0005	16.00	18.00	2.00	R102233	0.060	0.896	30	1.40
AKR0005	18.00	20.00	2.00	R102234	0.039	0.706	10	0.95
AKR0005	20.00	22.00	2.00	R102235	0.071	1.070	20	1.13
AKR0005	22.00	24.00	2.00	R102236	0.078	1.220	40	1.59
AKR0005	24.00	26.00	2.00	R102237	0.097	1.335	30	1.92
AKR0005	26.00	28.00	2.00	R102238	0.088	1.260	30	2.15
AKR0005	28.00	30.00	2.00	R102239	0.031	1.095	40	2.38
AKR0005	30.00	32.00	2.00	R102240	0.022	0.420	30	0.65
AKR0005	32.00	34.00	2.00	R102241	0.035	0.463	20	0.80
AKR0005	34.00	36.00	2.00	R102242	0.013	0.609	20	0.40
AKR0005	36.00	38.00	2.00	R102243	0.009	0.366	20	0.28
AKR0005	38.00	40.00	2.00	R102244	0.021	0.520	20	0.69
AKR0005	40.00	42.00	2.00	R102245	0.017	0.301	20	0.59
AKR0005	42.00	44.00	2.00	R102246	0.017	0.306	20	0.65
AKR0005	44.00	46.00	2.00	R102247	0.019	0.286	10	0.56
AKR0005	46.00	48.00	2.00	R102248	0.013	0.256	10	0.42
AKR0005	48.00	50.00	2.00	R102249	0.012	0.257	10	0.42
AKR0005	50.00	52.00	2.00	R102251	0.009	0.228	b.d.	0.36
AKR0005	52.00	54.00	2.00	R102252	0.009	0.222	b.d.	0.34
AKR0005	54.00	55.00	1.00	R102253	0.009	0.231	10	0.36
AKR0006	0.00	2.00	2.00	R102254	0.002	0.034	10	0.26
AKR0006	2.00	4.00	2.00	R102255	0.001	0.013	20	0.42
AKR0006	4.00	6.00	2.00	R102256	0.002	0.022	30	0.86
AKR0006	6.00	8.00	2.00	R102257	0.004	0.038	20	1.25
AKR0006	8.00	10.00	2.00	R102258	0.004	0.035	40	1.34
AKR0006	10.00	12.00	2.00	R102259	0.007	0.100	40	1.28
AKR0006	12.00	14.00	2.00	R102260	0.018	0.233	60	1.66
AKR0006	14.00	16.00	2.00	R102261	0.031	0.433	70	1.44
AKR0006	16.00	18.00	2.00	R102262	0.028	0.543	50	1.25
AKR0006	18.00	20.00	2.00	R102263	0.055	0.737	40	1.02
AKR0006	20.00	22.00	2.00	R102264	0.089	0.683	40	0.94
AKR0006	22.00	24.00	2.00	R102265	0.047	0.554	30	1.21
AKR0006	24.00	26.00	2.00	R102266	0.016	0.301	30	0.78
AKR0006	26.00	28.00	2.00	R102267	0.022	0.422	30	0.26
AKR0006	28.00	30.00	2.00	R102268	0.029	0.504	20	0.07
AKR0006	30.00	32.00	2.00	R102269	0.008	0.164	30	0.06
AKR0006	32.00	34.00	2.00	R102271	0.004	0.082	30	0.05
AKR0006	34.00	36.00	2.00	R102272	0.010	0.146	30	0.26
AKR0006	36.00	38.00	2.00	R102273	0.006	0.090	20	0.08
AKR0006	38.00	40.00	2.00	R102274	0.017	0.259	10	0.40
AKR0006	40.00	42.00	2.00	R102275	0.016	0.272	10	0.47
AKR0006	42.00	43.00	1.00	R102276	0.014	0.247	10	0.46
AKR0007	0.00	2.00	2.00	R102277	b.d.	0.023	20	0.22
AKR0007	2.00	4.00	2.00	R102278	b.d.	0.016	20	0.14
AKR0007	4.00	6.00	2.00	R102279	b.d.	0.010	10	0.07
AKR0007	6.00	8.00	2.00	R102280	b.d.	0.008	10	0.07
AKR0007	8.00	10.00	2.00	R102281	0.001	0.011	20	0.08
AKR0007	10.00	12.00	2.00	R102282	b.d.	0.014	10	0.06
AKR0007	12.00	14.00	2.00	R102283	b.d.	0.012	20	0.08
AKR0007	14.00	16.00	2.00	R102284	b.d.	0.013	20	0.04
AKR0007	16.00	18.00	2.00	R102285	b.d.	0.013	20	0.03
AKR0007	18.00	20.00	2.00	R102286	0.003	0.023	20	0.03
AKR0007	20.00	22.00	2.00	R102287	0.002	0.027	20	0.02
AKR0007	22.00	24.00	2.00	R102288	0.003	0.038	30	0.03
AKR0007	24.00	26.00	2.00	R102289	0.029	0.075	20	0.03
AKR0007	26.00	28.00	2.00	R102291	0.012	0.070	30	0.02
AKR0007	28.00	30.00	2.00	R102290	0.006	0.068	30	0.02
AKR0007	30.00	31.00	1.00	R102293	0.006	0.064	20	0.03
AKR0008	0.00	2.00	2.00	R102294	0.016	0.112	50	0.60
AKR0008	2.00	4.00	2.00	R102295	0.008	0.083	10	0.19
AKR0008	4.00	6.00	2.00	R102296	0.004	0.083	10	0.06
AKR0008	6.00	8.00	2.00	R102297	0.006	0.114	10	0.23
AKR0008	8.00	10.00	2.00	R102298	0.002	0.035	b.d.	0.08
AKR0008	10.00	12.00	2.00	R102299	0.002	0.032	10	0.08
AKR0008	12.00	14.00	2.00	R102300	0.002	0.027	10	0.09
AKR0008	14.00	16.00	2.00	R102301	0.002	0.016	10	0.06
AKR0008	16.00	18.00	2.00	R102302	0.005	0.035	20	0.09
AKR0008	18.00	20.00	2.00	R102303	0.010	0.085	30	0.14

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Hole	From (m)	To (m)	Width (m)	Sample number	Co (%)	Ni (%)	Sc (g/t)	Cr (%)
AKR0008	20.00	22.00	2.00	R102304	0.008	0.071	30	0.11
AKR0008	22.00	24.00	2.00	R102305	0.006	0.067	20	0.11
AKR0008	24.00	26.00	2.00	R102306	0.008	0.079	40	0.11
AKR0008	26.00	28.00	2.00	R102307	0.006	0.091	30	0.10
AKR0008	28.00	30.00	2.00	R102308	0.007	0.090	30	0.10
AKR0008	30.00	31.00	1.00	R102309	0.006	0.092	20	0.11
AKR0009	0.00	2.00	2.00	R102311	0.030	0.285	50	0.17
AKR0009	2.00	4.00	2.00	R102312	0.046	0.322	40	0.37
AKR0009	4.00	6.00	2.00	R102313	0.021	0.241	20	0.47
AKR0009	6.00	8.00	2.00	R102314	0.013	0.226	20	0.26
AKR0009	8.00	10.00	2.00	R102315	0.013	0.242	10	0.24
AKR0009	10.00	12.00	2.00	R102316	0.020	0.227	30	0.15
AKR0009	12.00	14.00	2.00	R102317	0.024	0.191	30	0.14
AKR0009	14.00	16.00	2.00	R102318	0.016	0.120	30	0.14
AKR0009	16.00	18.00	2.00	R102319	0.013	0.102	20	0.13
AKR0009	18.00	20.00	2.00	R102320	0.011	0.104	40	0.15
AKR0009	20.00	22.00	2.00	R102321	0.008	0.076	20	0.13
AKR0009	22.00	24.00	2.00	R102322	0.006	0.062	20	0.11
AKR0009	24.00	26.00	2.00	R102323	0.007	0.065	30	0.11
AKR0009	26.00	28.00	2.00	R102324	0.006	0.060	30	0.10
AKR0009	28.00	30.00	2.00	R102325	0.006	0.077	30	0.12
AKR0009	30.00	32.00	2.00	R102326	0.005	0.058	30	0.06
AKR0009	32.00	34.00	2.00	R102327	0.006	0.106	30	0.09
AKR0009	34.00	36.00	2.00	R102328	0.009	0.138	40	0.18
AKR0009	36.00	37.00	1.00	R102329	0.010	0.150	40	0.21
AKR0010	0.00	2.00	2.00	R102330	0.150	0.677	60	0.70
AKR0010	2.00	4.00	2.00	R102332	0.225	0.799	20	0.96
AKR0010	4.00	6.00	2.00	R102333	0.118	0.622	10	0.76
AKR0010	6.00	8.00	2.00	R102334	0.057	0.546	10	0.70
AKR0010	8.00	10.00	2.00	R102335	0.043	0.399	b.d.	0.58
AKR0010	10.00	12.00	2.00	R102336	0.040	0.424	10	0.49
AKR0010	12.00	14.00	2.00	R102337	0.016	0.372	10	0.25
AKR0010	14.00	16.00	2.00	R102338	0.004	0.105	b.d.	0.06
AKR0010	16.00	18.00	2.00	R102339	0.008	0.090	30	0.12
AKR0010	18.00	19.00	1.00	R102340	0.007	0.069	20	0.14
AKR0011	0.00	2.00	2.00	R102341	0.031	0.502	b.d.	0.38
AKR0011	2.00	4.00	2.00	R102342	0.017	0.464	b.d.	0.46
AKR0011	4.00	6.00	2.00	R102343	0.017	0.434	b.d.	0.51
AKR0011	6.00	8.00	2.00	R102344	0.020	0.417	10	0.44
AKR0011	8.00	10.00	2.00	R102345	0.017	0.368	10	0.53
AKR0011	10.00	12.00	2.00	R102346	0.016	0.335	10	0.47
AKR0011	12.00	14.00	2.00	R102347	0.013	0.446	10	0.35
AKR0011	14.00	16.00	2.00	R102348	0.017	0.363	10	0.52
AKR0011	16.00	18.00	2.00	R102349	0.017	0.341	20	0.35
AKR0011	18.00	20.00	2.00	R102351	0.015	0.326	10	0.34
AKR0011	20.00	22.00	2.00	R102352	0.017	0.327	10	0.38
AKR0011	22.00	24.00	2.00	R102353	0.016	0.308	10	0.31
AKR0011	24.00	26.00	2.00	R102354	0.014	0.265	10	0.38
AKR0011	26.00	28.00	2.00	R102355	0.012	0.336	20	0.21
AKR0011	28.00	30.00	2.00	R102356	0.008	0.116	30	0.11
AKR0011	30.00	32.00	2.00	R102357	0.006	0.072	20	0.10
AKR0011	32.00	34.00	2.00	R102358	0.006	0.067	20	0.09
AKR0011	34.00	36.00	2.00	R102359	0.006	0.064	10	0.09
AKR0011	36.00	37.00	1.00	R102360	0.007	0.065	20	0.09
AKR0012	0.00	2.00	2.00	R102361	0.014	0.242	20	0.48
AKR0012	2.00	4.00	2.00	R102362	0.014	0.258	10	0.55
AKR0012	4.00	6.00	2.00	R102363	0.015	0.204	10	0.30
AKR0012	6.00	8.00	2.00	R102364	0.010	0.142	10	0.19
AKR0012	8.00	10.00	2.00	R102365	0.014	0.206	20	0.11
AKR0012	10.00	12.00	2.00	R102366	0.024	0.176	20	0.12
AKR0012	12.00	14.00	2.00	R102367	0.015	0.161	20	0.23
AKR0012	14.00	16.00	2.00	R102368	0.012	0.111	10	0.18
AKR0012	16.00	18.00	2.00	R102369	0.013	0.152	10	0.23
AKR0012	18.00	20.00	2.00	R102371	0.013	0.172	10	0.29
AKR0012	20.00	22.00	2.00	R102372	0.010	0.196	20	0.30
AKR0012	22.00	24.00	2.00	R102373	0.009	0.140	30	0.31
AKR0012	24.00	26.00	2.00	R102374	0.009	0.070	20	0.16
AKR0012	26.00	28.00	2.00	R102375	0.007	0.080	20	0.12
AKR0012	28.00	30.00	2.00	R102376	0.006	0.069	20	0.11
AKR0012	30.00	32.00	2.00	R102377	0.005	0.060	20	0.09
AKR0012	32.00	34.00	2.00	R102378	0.006	0.058	20	0.10
AKR0012	34.00	36.00	2.00	R102379	0.006	0.063	20	0.09
AKR0012	36.00	37.00	1.00	R102380	0.005	0.031	30	0.05
AKR0013	0.00	2.00	2.00	R102381	0.006	0.094	20	0.11
AKR0013	2.00	4.00	2.00	R102382	0.005	0.094	20	0.12
AKR0013	4.00	6.00	2.00	R102383	0.006	0.086	20	0.12
AKR0013	6.00	8.00	2.00	R102384	0.007	0.098	20	0.11
AKR0013	8.00	10.00	2.00	R102385	0.011	0.152	10	0.09
AKR0013	10.00	12.00	2.00	R102386	0.004	0.043	20	0.03
AKR0013	12.00	14.00	2.00	R102387	0.011	0.078	20	0.04
AKR0013	14.00	16.00	2.00	R102388	0.006	0.073	30	0.08
AKR0013	16.00	18.00	2.00	R102389	0.006	0.057	20	0.07
AKR0013	18.00	20.00	2.00	R102390	0.005	0.050	10	0.06
AKR0013	20.00	22.00	2.00	R102392	0.006	0.062	30	0.06
AKR0013	22.00	24.00	2.00	R102393	0.002	0.027	20	0.02
AKR0013	24.00	26.00	2.00	R102394	0.006	0.068	10	0.06
AKR0013	26.00	28.00	2.00	R102395	0.002	0.024	b.d.	0.02
AKR0013	28.00	30.00	2.00	R102396	0.002	0.020	20	0.03
AKR0013	30.00	31.00	1.00	R102397	0.002	0.020	20	0.04
AKR0014	0.00	2.00	2.00	R102398	0.003	0.039	30	0.11
AKR0014	2.00	4.00	2.00	R102399	0.002	0.029	30	0.09
AKR0014	4.00	6.00	2.00	R102400	0.001	0.025	30	0.08
AKR0014	6.00	8.00	2.00	R102401	0.002	0.025	10	0.08
AKR0014	8.00	10.00	2.00	R102402	0.002	0.009	b.d.	0.07
AKR0014	10.00	12.00	2.00	R102403	0.002	0.015	10	0.03
AKR0014	12.00	14.00	2.00	R102404	0.002	0.011	10	0.03
AKR0014	14.00	16.00	2.00	R102405	0.001	0.006	10	0.02
AKR0014	16.00	18.00	2.00	R102406	0.001	0.006	b.d.	0.02
AKR0014	18.00	20.00	2.00	R102407	0.001	0.005	b.d.	0.02
AKR0014	20.00	22.00	2.00	R102408	0.001	0.008	10	0.01
AKR0014	22.00	24.00	2.00	R102409	0.002	0.005	20	0.01
AKR0014	24.00	26.00	2.00	R102411	b.d.	b.d.	10	0.00
AKR0014	26.00	28.00	2.00	R102412	b.d.	b.d.	10	0.00
AKR0014	28.00	30.00	2.00	R102413	b.d.	b.d.	10	0.00
AKR0014	30.00	32.00	2.00	R102414	0.001	0.006	10	0.01
AKR0014	32.00	34.00	2.00	R102415	0.001	0.005	10	0.00
AKR0014	34.00	36.00	2.00	R102416	0.001	0.006	b.d.	0.00
AKR0014	36.00	38.00	2.00	R102417	b.d.	0.016	10	0.00
AKR0014	38.00	40.00	2.00	R102418	0.002	0.062	b.d.	0.00
AKR0014	40.00	42.00	2.00	R102419	0.002	0.059	b.d.	0.00
AKR0014	42.00	44.00	2.00	R102420	0.001	0.049	b.d.	0.00
AKR0014	44.00	46.00	2.00	R102421	0.002	0.053	20	0.00
AKR0014	46.00	48.00	2.00	R102422	0.002	0.039	20	0.00
AKR0014	48.00	50.00	2.00	R102423	0.001	0.032	10	0.00
AKR0014	50.00	52.00	2.00	R102424	0.002	0.023	10	0.00
AKR0014	52.00	54.00	2.00	R102425	0.001	0.006	10	0.00
AKR0014	54.00	55.00	1.00	R102426	0.003	0.011	30	0.01
AKR0015	0.00	2.00	2.00	R102427	0.005	0.045	20	0.08
AKR0015	2.00	4.00	2.00	R102428	b.d.	0.031	20	0.08
AKR0015	4.00	6.00	2.00	R102429	b.d.	0.029	20	0.08
AKR0015	6.00	8.00	2.00	R102431	0.002	0.044	10	0.10
AKR0015	8.00	10.00	2.00	R102432	0.002	0.042	b.d.	0.05
AKR0015	10.00	12.00	2.00	R102433	0.002	0.061	b.d.	0.03
AKR0015	12.00	14.00	2.00	R102434	0.002	0.041	b.d.	0.03
AKR0015	14.00	16.00	2.00	R102435	b.d.	0.022	b.d.	0.02
AKR0015	16.00	18.00	2.00	R102436	b.d.	0.022	b.d.	0.03
AKR0015	18.00	20.00	2.00	R102437	0.001	0.016	10	0.02
AKR0015	20.00	22.00	2.00	R102438	b.d.	0.010	b.d.	0.01
AKR0015	22.00	24.00	2.00	R102439	b.d.	0.009	10	0.01
AKR0015	24.00	26.00	2.00	R102440	0.001	0.012	10	0.01
AKR0015	26.00	28.00	2.00	R102441	b.d.	0.010	10	0.01
AKR0015	28.00	30.00	2.00	R102442	0.001	0.012	10	0.01
AKR0015	30.00	32.00	2.00	R102443	b.d.	0.011	10	0.00
AKR0015	32.00	34.00	2.00	R102444	b.d.	0.016	b.d.	0.01
AKR0015	34.00	36.00	2.00	R102445	0.002	0.041	10	0.02
AKR0015	36.00	38.00	2.00	R102446	0.001	0.036	b.d.	0.01
AKR0015	38.00	40.00	2.00	R102447	0.006	0.021	210	0.01
AKR0015	40.00	42.00	2.00	R102448	b.d.	0.027	b.d.	0.00
AKR0015	42.00	44.00	2.00	R102449	0.006	0.050	200	0.01
AKR0015	44.00	46.00	2.00	R102450	0.008	0.120	b.d.	0.00
AKR0015	46.00	48.00	2.00	R102452	0.007	0.143	160	0.01
AKR0015	48.00	50.00	2.00	R102453	0.008	0.160	140	0.01
AKR0015	50.00	52.00	2.00	R102454	0.006	0.200	100	0.00
AKR0015	52.00	54.00	2.00	R102455	0.006	0.190	90	0.00
AKR0015	54.00	56.00	2.00	R102456	0.003	0.077	70	0.00
AKR0015	56.00	58.00	2.00	R102457	0.003	0.078	50	0.00
AKR0015	58.00	60.00	2.00	R102458	b.d.	0.011	b.d.	0.00
AKR0015	60.00	61.00	1.00	R102459	0.001	0.007	40	0.00
AKR0016	0.00	2.00	2.00	R102460	0.002	0.046	10	0.07
AKR0016	2.00	4.00	2.00	R102461	0.001	0.038	40	0.08
AKR0016	4.00	6.00	2.00	R102462	0.001	0.043	40	0.10
AKR0016	6.00	8.00	2.00	R102463	0.001	0.054	30	0.11
AKR0016	8.00	10.00	2.00	R102464	0.009	0.131	10	0.18
AKR0016	10.00	12.00	2.00	R102465	0.013	0.251	30	0.37
AKR0016	12.00	14.00	2.00	R102466	0.013	0.266	20	0.62
AKR0016	14.00	16.00	2.00	R102467	0.016	0.379	40	0.57
AKR0016	16.00	18.00	2.00	R102468	0.010	0.280	40	0.84
AKR0016	18.00	20.00	2.00	R102469	0.024	0.531	20	0.50
AKR0016	20.00	22.00	2.00	R102471	0.021	0.493	20	0.49
AKR0016	22.00	24.00	2.00	R102472	0.022	0.527	30	0.35
AKR0016	24.00	26.00	2.00	R102473	0.025	0.624	20	0.56
AKR0016	26.00	28.00	2.00	R102474	0.039	0.686	50	0.61
AKR0016	28.00	30.00	2.00	R102475	0.173	1.485	30	0.68
AKR0016	30.00	32.00	2.00	R102476	0.500	2.150	40	0.49
AKR0016	32.00	34.00	2.00	R102477	0.404	1.990	30	0.49
AKR0016	34.00	36.00	2.00	R102478	0.102	0.958	30	0.34
AKR0016	36.00	38.00	2.00	R102479	0.091	0.867	30	0.40
AKR0016	38.00	40.00	2.00	R102480	0.047	0.454	20	0.22
AKR0016	40.00	42.00	2.00	R102481	0.028	0.286	20	0.12
AKR0016	42.00	44.00	2.00	R102482	0.055	0.696	30	0.41
AKR0016	44.00	46.00	2.00	R102483	0.035	0.485	20	0.27
AKR0016	46.00	48.00	2.00	R102484	0.025	0.379	20	0.26
AKR0016	48.00	50.00	2.00	R102485	0.028	0.434	20	0.29
AKR0016	50.00	52.00	2.00	R102486	0.013	0.311	20	0.13
AKR0016	52.00	54.00	2.00	R102487	0.008	0.290	b.d.	0.10
AKR0016	54.00	55.00	1.00	R102488	0.009	0.306	10	0.10
AKR0017	0.00	2.00	2.00	R102489	0.006	0.092	20	0.10
AKR0017	2.00	4.00	2.00	R102491	0.003	0.052	50	0.10
AKR0017	4.00	6.00	2.00	R102492	0.002	0.052	50	0.11
AKR0017	6.00	8.00	2.00	R102493	0.006	0.092	40	0.27
AKR0017	8.00	10.00	2.00	R102494	0.011	0.162	20	0.37
AKR0017	10.00	12.00	2.00	R102495	0.018	0.259	30	0.45
AKR0017	12.00	14.00	2.00	R102496	0.013	0.413	30	0.96
AKR0017	14.00	16.00	2.00	R102497	0.015	0.483	30	0.74
AKR0017	16.00	18.00	2.00	R102498	0.013	0.441	40	0.51
AKR0017	18.00	20.00	2.00	R102499	0.022	0.708	30	0.66
AKR0017	20.00	22.00	2.00	R102500	0.028	0.952	30	0.43
AKR0017	22.00	24.00	2.00	R102501	0.021	0.647	10	0.27
AKR0017	24.00	26.00	2.00	R102502	0.008	0.269	b.d.	0.26
AKR0017	26.00	28.00	2.00	R102503	0.008	0.211	b.d.	0.26
AKR0017	28.00	30.00	2.00	R102504	0.020	0.322	460	0.27
AKR0017	30.00	32.00	2.00	R102505	0.046	0.658	450	0.25
AKR0017	32.00	34.00	2.00	R102506	0.029	0.400	480	0.22

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Hole	From (m)	To (m)	Width (m)	Sample number	Co (%)	Ni (%)	Sc (g/t)	Cr (%)
AKR0017	34.00	36.00	2.00	R102507	0.017	0.401	b.d.	0.09
AKR0017	36.00	38.00	2.00	R102508	0.015	0.369	b.d.	0.09
AKR0017	38.00	40.00	2.00	R102509	0.013	0.373	b.d.	0.10
AKR0017	40.00	42.00	2.00	R102510	0.013	0.406	b.d.	0.09
AKR0017	42.00	44.00	2.00	R102512	0.010	0.363	b.d.	0.09
AKR0017	44.00	46.00	2.00	R102513	0.012	0.466	b.d.	0.09
AKR0017	46.00	48.00	2.00	R102514	0.011	0.383	b.d.	0.09
AKR0017	48.00	50.00	2.00	R102515	0.009	0.296	b.d.	0.07
AKR0017	50.00	52.00	2.00	R102516	0.009	0.576	b.d.	0.02
AKR0017	52.00	54.00	2.00	R102517	0.010	0.679	10	0.01
AKR0017	54.00	55.00	1.00	R102518	0.010	0.764	10	0.01
AKR0018	0.00	2.00	2.00	R102519	0.004	0.112	20	0.13
AKR0018	2.00	4.00	2.00	R102520	0.002	0.052	50	0.12
AKR0018	4.00	6.00	2.00	R102521	0.006	0.078	240	0.15
AKR0018	6.00	8.00	2.00	R102522	0.017	0.386	220	1.00
AKR0018	8.00	10.00	2.00	R102523	0.017	0.387	30	0.58
AKR0018	10.00	12.00	2.00	R102524	0.018	0.444	b.d.	0.41
AKR0018	12.00	14.00	2.00	R102525	0.018	0.515	110	0.23
AKR0018	14.00	16.00	2.00	R102526	0.015	0.452	10	0.14
AKR0018	16.00	18.00	2.00	R102527	0.019	0.599	190	0.20
AKR0018	18.00	20.00	2.00	R102528	0.016	0.569	130	0.15
AKR0018	20.00	22.00	2.00	R102529	0.014	0.419	70	0.15
AKR0018	22.00	24.00	2.00	R102531	0.017	0.433	b.d.	0.13
AKR0018	24.00	26.00	2.00	R102532	0.035	0.536	20	0.23
AKR0018	26.00	28.00	2.00	R102533	0.053	0.659	10	0.17
AKR0018	28.00	30.00	2.00	R102534	0.069	0.723	b.d.	0.14
AKR0018	30.00	32.00	2.00	R102535	0.041	0.510	10	0.13
AKR0018	32.00	34.00	2.00	R102536	0.035	0.332	b.d.	0.10
AKR0018	34.00	36.00	2.00	R102537	0.017	0.317	b.d.	0.08
AKR0018	36.00	38.00	2.00	R102538	0.016	0.325	10	0.09
AKR0018	38.00	40.00	2.00	R102539	0.013	0.385	b.d.	0.07
AKR0018	40.00	42.00	2.00	R102540	0.016	0.491	b.d.	0.07
AKR0018	42.00	44.00	2.00	R102541	0.011	0.586	20	0.07
AKR0018	44.00	46.00	2.00	R102542	0.010	0.481	20	0.09
AKR0018	46.00	48.00	2.00	R102543	0.009	0.415	30	0.07
AKR0018	48.00	50.00	2.00	R102544	0.008	0.407	20	0.07
AKR0018	50.00	52.00	2.00	R102545	0.015	0.704	b.d.	0.10
AKR0018	52.00	54.00	2.00	R102546	0.009	0.439	b.d.	0.07
AKR0018	54.00	56.00	2.00	R102547	0.012	0.634	b.d.	0.10
AKR0018	56.00	58.00	2.00	R102548	0.010	0.471	b.d.	0.11
AKR0018	58.00	60.00	2.00	R102549	0.006	0.274	b.d.	0.08
AKR0018	60.00	62.00	2.00	R102551	0.010	0.330	b.d.	0.12
AKR0018	62.00	64.00	2.00	R102552	0.010	0.306	b.d.	0.12
AKR0018	64.00	66.00	2.00	R102553	0.008	0.270	b.d.	0.09
AKR0018	66.00	68.00	2.00	R102554	0.005	0.231	b.d.	0.07
AKR0019	0.00	2.00	2.00	R102555	0.015	0.405	b.d.	0.10
AKR0019	2.00	4.00	2.00	R102556	0.006	0.100	10	0.34
AKR0019	4.00	6.00	2.00	R102557	0.008	0.126	20	0.57
AKR0019	6.00	8.00	2.00	R102558	0.002	0.069	10	0.90
AKR0019	8.00	10.00	2.00	R102559	0.004	0.106	10	0.98
AKR0019	10.00	12.00	2.00	R102560	0.009	0.234	20	1.25
AKR0019	12.00	14.00	2.00	R102561	0.006	0.209	60	1.44
AKR0019	14.00	16.00	2.00	R102562	0.005	0.154	20	0.40
AKR0019	16.00	18.00	2.00	R102563	0.006	0.207	20	0.51
AKR0019	18.00	20.00	2.00	R102564	0.009	0.291	20	0.75
AKR0019	20.00	22.00	2.00	R102565	0.010	0.337	20	0.99
AKR0019	22.00	24.00	2.00	R102566	0.006	0.210	20	0.43
AKR0019	24.00	26.00	2.00	R102567	0.007	0.291	10	0.26
AKR0019	26.00	28.00	2.00	R102568	0.016	0.360	10	0.25
AKR0019	28.00	30.00	2.00	R102569	0.010	0.178	b.d.	0.24
AKR0019	30.00	32.00	2.00	R102570	0.030	0.742	10	0.31
AKR0019	32.00	34.00	2.00	R102572	0.020	0.481	10	0.30
AKR0019	34.00	36.00	2.00	R102573	0.012	0.375	10	0.16
AKR0019	36.00	38.00	2.00	R102574	0.010	0.369	b.d.	0.12
AKR0019	38.00	40.00	2.00	R102575	0.024	0.563	b.d.	0.18
AKR0019	40.00	42.00	2.00	R102576	0.024	0.612	b.d.	0.16
AKR0019	42.00	44.00	2.00	R102577	0.016	0.418	b.d.	0.10
AKR0019	44.00	46.00	2.00	R102578	0.017	0.454	b.d.	0.09
AKR0019	46.00	48.00	2.00	R102579	0.009	0.409	b.d.	0.09
AKR0019	48.00	50.00	2.00	R102580	0.009	0.519	b.d.	0.10
AKR0019	50.00	52.00	2.00	R102581	0.012	0.543	b.d.	0.10
AKR0019	52.00	54.00	2.00	R102582	0.015	0.566	b.d.	0.10
AKR0019	54.00	56.00	2.00	R102583	0.010	0.417	b.d.	0.08
AKR0019	56.00	58.00	2.00	R102584	0.010	0.376	b.d.	0.09
AKR0019	58.00	60.00	2.00	R102585	0.014	0.497	b.d.	0.10
AKR0019	60.00	62.00	2.00	R102586	0.018	0.457	b.d.	0.11
AKR0019	62.00	64.00	2.00	R102587	0.011	0.444	b.d.	0.09
AKR0019	64.00	66.00	2.00	R102588	0.007	0.246	b.d.	0.09
AKR0019	66.00	67.00	1.00	R102589	0.007	0.246	b.d.	0.09
AKR0020	0.00	2.00	2.00	R102591	0.003	0.066	10	0.19
AKR0020	2.00	4.00	2.00	R102592	0.007	0.108	20	0.46
AKR0020	4.00	6.00	2.00	R102593	0.008	0.109	20	0.50
AKR0020	6.00	8.00	2.00	R102594	0.006	0.078	10	0.48
AKR0020	8.00	10.00	2.00	R102595	0.006	0.102	10	0.37
AKR0020	10.00	12.00	2.00	R102596	0.002	0.116	20	0.09
AKR0020	12.00	14.00	2.00	R102597	0.002	0.102	10	0.05
AKR0020	14.00	16.00	2.00	R102598	0.003	0.084	10	0.04
AKR0020	16.00	18.00	2.00	R102599	0.004	0.100	10	0.02
AKR0020	18.00	20.00	2.00	R102600	0.005	0.146	10	0.03
AKR0020	20.00	22.00	2.00	R102601	0.004	0.183	10	0.03
AKR0020	22.00	24.00	2.00	R102602	0.005	0.148	10	0.02
AKR0020	24.00	26.00	2.00	R102603	0.002	0.057	10	0.01
AKR0020	26.00	28.00	2.00	R102604	0.006	0.130	10	0.01
AKR0020	28.00	30.00	2.00	R102605	0.016	0.222	10	0.00
AKR0020	30.00	32.00	2.00	R102606	0.013	0.209	b.d.	0.00
AKR0020	32.00	34.00	2.00	R102607	0.007	0.268	10	0.00
AKR0020	34.00	36.00	2.00	R102608	0.010	0.295	b.d.	0.00
AKR0020	36.00	38.00	2.00	R102609	0.010	0.287	10	0.00
AKR0020	38.00	40.00	2.00	R102611	0.006	0.102	20	0.00
AKR0020	40.00	42.00	2.00	R102612	0.002	0.072	b.d.	0.00
AKR0020	42.00	44.00	2.00	R102613	0.005	0.112	10	0.00
AKR0020	44.00	46.00	2.00	R102614	0.006	0.182	10	0.01
AKR0020	46.00	48.00	2.00	R102615	0.004	0.136	10	0.00
AKR0020	48.00	50.00	2.00	R102616	0.006	0.150	10	0.05
AKR0020	50.00	52.00	2.00	R102617	0.003	0.142	b.d.	0.01
AKR0020	52.00	54.00	2.00	R102618	0.007	0.230	10	0.03
AKR0020	54.00	55.00	1.00	R102619	0.011	0.257	b.d.	0.12
AKR0021	0.00	2.00	2.00	R102620	0.008	0.073	10	0.23
AKR0021	2.00	4.00	2.00	R102621	0.009	0.076	10	0.30
AKR0021	4.00	6.00	2.00	R102622	0.007	0.074	20	0.38
AKR0021	6.00	8.00	2.00	R102623	0.007	0.092	20	0.55
AKR0021	8.00	10.00	2.00	R102624	0.008	0.124	30	0.45
AKR0021	10.00	12.00	2.00	R102625	0.009	0.224	30	0.63
AKR0021	12.00	14.00	2.00	R102626	0.009	0.190	40	0.67
AKR0021	14.00	16.00	2.00	R102627	0.016	0.246	30	0.55
AKR0021	16.00	18.00	2.00	R102628	0.021	0.323	40	0.80
AKR0021	18.00	20.00	2.00	R102629	0.023	0.417	50	1.15
AKR0021	20.00	22.00	2.00	R102630	0.026	0.559	50	1.74
AKR0021	22.00	24.00	2.00	R102632	0.024	0.489	40	3.50
AKR0021	24.00	26.00	2.00	R102633	0.012	0.335	20	1.17
AKR0021	26.00	28.00	2.00	R102634	0.032	0.608	70	5.27
AKR0021	28.00	30.00	2.00	R102635	0.021	0.446	40	1.67
AKR0021	30.00	32.00	2.00	R102636	0.014	0.335	30	0.67
AKR0021	32.00	34.00	2.00	R102637	0.011	0.341	10	0.51
AKR0021	34.00	36.00	2.00	R102638	0.012	0.349	10	0.67
AKR0021	36.00	38.00	2.00	R102639	0.020	0.532	20	0.45
AKR0021	38.00	40.00	2.00	R102640	0.031	0.713	10	0.09
AKR0021	40.00	42.00	2.00	R102641	0.020	0.556	10	0.04
AKR0021	42.00	44.00	2.00	R102642	0.018	0.567	20	0.02
AKR0021	44.00	46.00	2.00	R102643	0.022	0.726	30	0.01
AKR0021	46.00	48.00	2.00	R102644	0.028	1.260	20	0.02
AKR0021	48.00	50.00	2.00	R102645	0.014	0.636	20	0.05
AKR0021	50.00	52.00	2.00	R102646	0.014	0.286	10	0.13
AKR0022	0.00	2.00	2.00	R102647	0.009	0.186	30	0.39
AKR0022	2.00	4.00	2.00	R102648	0.016	0.302	50	0.80
AKR0022	4.00	6.00	2.00	R102649	0.032	0.331	50	0.50
AKR0022	6.00	8.00	2.00	R102651	0.040	0.364	40	0.57
AKR0022	8.00	10.00	2.00	R102652	0.028	0.400	20	0.40
AKR0022	10.00	12.00	2.00	R102653	0.006	0.311	10	0.13
AKR0022	12.00	14.00	2.00	R102654	0.004	0.267	10	0.08
AKR0022	14.00	16.00	2.00	R102655	0.004	0.273	10	0.09
AKR0022	16.00	18.00	2.00	R102656	0.005	0.373	20	0.12
AKR0022	18.00	20.00	2.00	R102657	0.004	0.386	30	0.07
AKR0022	20.00	22.00	2.00	R102658	0.016	0.556	30	0.11
AKR0022	22.00	24.00	2.00	R102659	0.099	1.160	20	0.16
AKR0022	24.00	26.00	2.00	R102660	0.032	0.341	10	0.49
AKR0022	26.00	28.00	2.00	R102661	0.028	0.602	10	1.26
AKR0022	28.00	30.00	2.00	R102662	0.037	0.719	20	0.57
AKR0022	30.00	32.00	2.00	R102663	0.045	0.821	b.d.	0.11
AKR0022	32.00	34.00	2.00	R102664	0.055	0.857	10	0.07
AKR0022	34.00	36.00	2.00	R102665	0.053	1.140	10	0.99
AKR0022	36.00	38.00	2.00	R102666	0.058	0.995	20	1.63
AKR0022	38.00	40.00	2.00	R102667	0.042	0.707	10	1.14
AKR0022	40.00	42.00	2.00	R102668	0.033	0.490	10	0.89
AKR0022	42.00	44.00	2.00	R102669	0.036	0.523	10	0.91
AKR0022	44.00	46.00	2.00	R102671	0.023	0.332	b.d.	0.58
AKR0022	46.00	48.00	2.00	R102672	0.021	0.307	10	0.78
AKR0022	48.00	50.00	2.00	R102673	0.020	0.307	b.d.	0.73
AKR0022	50.00	52.00	2.00	R102674	0.014	0.265	b.d.	0.43
AKR0022	52.00	54.00	2.00	R102675	0.013	0.292	b.d.	0.31
AKR0022	54.00	55.00	1.00	R102676	0.014	0.252	b.d.	0.37
AKR0023	0.00	2.00	2.00	R102677	0.005	0.104	10	0.23
AKR0023	2.00	4.00	2.00	R102678	0.003	0.070	10	0.18
AKR0023	4.00	6.00	2.00	R102679	b.d.	0.034	10	0.09
AKR0023	6.00	8.00	2.00	R102680	0.002	0.067	b.d.	0.10
AKR0023	8.00	10.00	2.00	R102681	b.d.	0.008	b.d.	0.02
AKR0023	10.00	12.00	2.00	R102682	b.d.	0.006	b.d.	0.01
AKR0023	12.00	14.00	2.00	R102683	0.001	0.007	10	0.01
AKR0023	14.00	16.00	2.00	R102684	b.d.	b.d.	b.d.	0.00
AKR0023	16.00	18.00	2.00	R102685	b.d.	b.d.	b.d.	0.01
AKR0023	18.00	20.00	2.00	R102686	b.d.	b.d.	b.d.	0.01
AKR0023	20.00	22.00	2.00	R102687	b.d.	b.d.	10	0.00
AKR0023	22.00	24.00	2.00	R102688	b.d.	b.d.	10	0.00
AKR0023	24.00	26.00	2.00	R102689	b.d.	b.d.	10	0.00
AKR0023	26.00	28.00	2.00	R102690	b.d.	b.d.	b.d.	0.00
AKR0023	28.00	30.00	2.00	R102692	0.001	b.d.	10	0.00
AKR0023	30.00	32.00	2.00	R102693	b.d.	b.d.	b.d.	0.00
AKR0023	32.00	34.00	2.00	R102694	b.d.	b.d.	b.d.	0.00
AKR0023	34.00	36.00	2.00	R102695	b.d.	b.d.	10	0.00
AKR0023	36.00	38.00	2.00	R102696	b.d.	b.d.	10	0.00
AKR0023	38.00	40.00	2.00	R102697	b.d.	b.d.	10	0.00
AKR0023	40.00	42.00	2.00	R102698	b.d.	b.d.	b.d.	0.00
AKR0023	42.00	44.00	2.00	R102699	b.d.	0.005	10	0.01
AKR0023	44.00	46.00	2.00	R102700	b.d.	0.007	10	0.00
AKR0023	46.00	48.00	2.00	R102701	b.d.	0.006	b.d.	0.01
AKR0023	48.00	50.00	2.00	R102702	0.001	0.008	10	0.01
AKR0023	50.00	52.00	2.00	R102703	0.002	0.008	10	0.01
AKR0023	52.00	54.00	2.00	R102704	b.d.	0.013	10	0.01
AKR0023	54.00	55.00	1.00	R102705	0.001	0.008	10	0.01
AKR0024	0.00	2.00	2.00	R102706	0.009	0.182	10	0.30
AKR0024	2.00	4.00	2.00	R102707	0.002	0.028	40	0.11
AKR0024	4.00	6.00	2.00	R102708	b.d.	0.024	20	0.08
AKR0024	6.00	8.00	2.00	R102709	0.001	0.035	20	0.08
AKR0024	8.00	10.00	2.00	R102711	0.001	0.039	10	0.07

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Hole	From (m)	To (m)	Width (m)	Sample number	Co (%)	Ni (%)	Sc (g/t)	Cr (%)
AKR0024	10.00	12.00	2.00	R102712	b.d.	0.024	10	0.08
AKR0024	12.00	14.00	2.00	R102713	0.002	0.034	20	0.14
AKR0024	14.00	16.00	2.00	R102714	0.001	0.028	10	0.08
AKR0024	16.00	18.00	2.00	R102715	0.001	0.036	10	0.06
AKR0024	18.00	20.00	2.00	R102716	b.d.	0.028	10	0.03
AKR0024	20.00	22.00	2.00	R102717	0.001	0.026	10	0.01
AKR0024	22.00	24.00	2.00	R102718	0.001	0.025	10	0.01
AKR0024	24.00	26.00	2.00	R102719	0.001	0.016	10	0.01
AKR0024	26.00	28.00	2.00	R102720	0.001	0.006	10	0.00
AKR0024	28.00	30.00	2.00	R102721	b.d.	b.d.	20	0.00
AKR0024	30.00	32.00	2.00	R102722	b.d.	b.d.	10	0.00
AKR0024	32.00	34.00	2.00	R102723	b.d.	b.d.	20	0.00
AKR0024	34.00	36.00	2.00	R102724	0.002	0.008	30	0.01
AKR0024	36.00	38.00	2.00	R102725	b.d.	0.005	20	0.00
AKR0024	38.00	40.00	2.00	R102726	0.001	b.d.	20	0.00
AKR0024	40.00	42.00	2.00	R102727	0.002	0.007	10	0.00
AKR0024	42.00	44.00	2.00	R102728	0.004	0.012	20	0.00
AKR0024	44.00	46.00	2.00	R102729	0.002	0.008	20	0.00
AKR0024	46.00	48.00	2.00	R102731	b.d.	b.d.	10	0.00
AKR0024	48.00	50.00	2.00	R102732	0.001	b.d.	10	0.00
AKR0024	50.00	52.00	2.00	R102733	b.d.	b.d.	10	0.00
AKR0024	52.00	54.00	2.00	R102734	b.d.	b.d.	20	0.00
AKR0024	54.00	55.00	1.00	R102735	b.d.	b.d.	10	0.00
AKR0025	0.00	2.00	2.00	R102736	0.002	0.067	20	0.14
AKR0025	2.00	4.00	2.00	R102737	b.d.	0.029	30	0.15
AKR0025	4.00	6.00	2.00	R102738	0.001	0.031	20	0.14
AKR0025	6.00	8.00	2.00	R102739	0.001	0.036	20	0.10
AKR0025	8.00	10.00	2.00	R102740	0.001	0.042	10	0.08
AKR0025	10.00	12.00	2.00	R102741	0.002	0.056	10	0.11
AKR0025	12.00	14.00	2.00	R102742	0.005	0.088	20	0.05
AKR0025	14.00	16.00	2.00	R102743	0.006	0.149	10	0.03
AKR0025	16.00	18.00	2.00	R102744	0.004	0.062	10	0.01
AKR0025	18.00	20.00	2.00	R102745	0.003	0.046	10	0.01
AKR0025	20.00	22.00	2.00	R102746	0.003	0.040	10	0.02
AKR0025	22.00	24.00	2.00	R102747	0.002	0.045	10	0.02
AKR0025	24.00	26.00	2.00	R102748	0.002	0.041	10	0.01
AKR0025	26.00	28.00	2.00	R102749	b.d.	0.026	b.d.	0.01
AKR0025	28.00	30.00	2.00	R102750	0.002	0.042	10	0.02
AKR0025	30.00	32.00	2.00	R102751	0.002	0.045	20	0.02
AKR0025	32.00	34.00	2.00	R102753	b.d.	0.034	20	0.01
AKR0025	34.00	36.00	2.00	R102754	b.d.	0.024	10	0.00
AKR0025	36.00	38.00	2.00	R102755	0.005	0.086	20	0.00
AKR0025	38.00	40.00	2.00	R102756	0.005	0.094	b.d.	0.00
AKR0025	40.00	42.00	2.00	R102757	0.004	0.079	10	0.00
AKR0025	42.00	44.00	2.00	R102758	0.002	0.035	10	0.00
AKR0025	44.00	46.00	2.00	R102759	0.001	0.016	10	0.00
AKR0025	46.00	48.00	2.00	R102760	0.002	0.018	10	0.01
AKR0025	48.00	49.00	1.00	R102761	0.001	0.006	20	0.01
AKR0026	0.00	2.00	2.00	R102762	0.002	0.046	40	0.24
AKR0026	2.00	4.00	2.00	R102763	0.001	0.040	30	0.44
AKR0026	4.00	6.00	2.00	R102764	0.001	0.039	20	0.55
AKR0026	6.00	8.00	2.00	R102765	0.001	0.054	20	0.50
AKR0026	8.00	10.00	2.00	R102766	0.002	0.087	20	0.75
AKR0026	10.00	12.00	2.00	R102767	0.006	0.198	50	1.01
AKR0026	12.00	14.00	2.00	R102768	0.009	0.254	40	0.83
AKR0026	14.00	16.00	2.00	R102769	0.009	0.221	10	0.38
AKR0026	16.00	18.00	2.00	R102771	0.014	0.337	20	0.44
AKR0026	18.00	20.00	2.00	R102772	0.003	0.244	20	0.23
AKR0026	20.00	22.00	2.00	R102773	0.016	0.712	20	0.42
AKR0026	22.00	24.00	2.00	R102774	0.005	0.204	10	0.11
AKR0026	24.00	26.00	2.00	R102775	0.002	0.086	10	0.04
AKR0026	26.00	28.00	2.00	R102776	0.002	0.116	10	0.05
AKR0026	28.00	30.00	2.00	R102777	0.002	0.126	10	0.03
AKR0026	30.00	32.00	2.00	R102778	0.005	0.136	b.d.	0.02
AKR0026	32.00	34.00	2.00	R102779	0.003	0.110	10	0.02
AKR0026	34.00	36.00	2.00	R102780	0.003	0.101	10	0.01
AKR0026	36.00	38.00	2.00	R102781	0.017	0.156	b.d.	0.02
AKR0026	38.00	40.00	2.00	R102782	0.055	0.297	10	0.03
AKR0026	40.00	42.00	2.00	R102783	0.030	0.454	b.d.	0.02
AKR0026	42.00	44.00	2.00	R102784	0.034	0.354	20	0.01
AKR0026	44.00	46.00	2.00	R102785	0.030	0.340	10	0.01
AKR0026	46.00	48.00	2.00	R102786	0.017	0.425	10	0.01
AKR0026	48.00	50.00	2.00	R102787	0.020	0.427	10	0.01
AKR0026	50.00	52.00	2.00	R102788	0.019	0.453	10	0.01
AKR0026	52.00	54.00	2.00	R102789	0.014	0.384	10	0.00
AKR0026	54.00	56.00	2.00	R102791	0.013	0.303	20	0.01
AKR0026	56.00	58.00	2.00	R102792	0.003	0.196	10	0.01
AKR0026	58.00	60.00	2.00	R102793	0.002	0.130	10	0.01
AKR0026	60.00	62.00	2.00	R102794	0.002	0.110	10	0.01
AKR0026	62.00	64.00	2.00	R102795	0.002	0.060	10	0.01
AKR0026	64.00	66.00	2.00	R102796	0.002	0.044	10	0.01
AKR0026	66.00	68.00	2.00	R102797	0.002	0.038	20	0.01
AKR0026	68.00	70.00	2.00	R102798	0.002	0.048	10	0.01
AKR0026	70.00	72.00	2.00	R102799	0.002	0.043	10	0.01
AKR0026	72.00	73.00	1.00	R102800	0.002	0.065	20	0.01
AKR0027	0.00	2.00	2.00	R102801	0.005	0.122	30	0.34
AKR0027	2.00	4.00	2.00	R102802	0.001	0.056	50	0.52
AKR0027	4.00	6.00	2.00	R102803	0.002	0.048	30	0.70
AKR0027	6.00	8.00	2.00	R102804	0.002	0.063	30	0.88
AKR0027	8.00	10.00	2.00	R102805	0.006	0.106	20	0.92
AKR0027	10.00	12.00	2.00	R102806	0.009	0.219	40	1.29
AKR0027	12.00	14.00	2.00	R102807	0.015	0.291	10	0.52
AKR0027	14.00	16.00	2.00	R102808	0.015	0.290	30	0.62
AKR0027	16.00	18.00	2.00	R102809	0.008	0.341	40	0.62
AKR0027	18.00	20.00	2.00	R102810	0.012	0.460	40	0.41
AKR0027	20.00	22.00	2.00	R102812	0.018	0.605	40	0.81
AKR0027	22.00	24.00	2.00	R102813	0.011	0.501	20	0.20
AKR0027	24.00	26.00	2.00	R102814	0.031	0.938	10	0.32
AKR0027	26.00	28.00	2.00	R102815	0.016	0.286	10	0.41
AKR0027	28.00	30.00	2.00	R102816	0.059	1.055	20	0.20
AKR0027	30.00	32.00	2.00	R102817	0.061	0.918	20	0.09
AKR0027	32.00	34.00	2.00	R102818	0.080	1.335	30	0.10
AKR0027	34.00	36.00	2.00	R102819	0.088	1.765	20	0.11
AKR0027	36.00	38.00	2.00	R102820	0.029	0.988	10	0.23
AKR0027	38.00	40.00	2.00	R102821	0.053	1.820	20	0.16
AKR0027	40.00	42.00	2.00	R102822	0.193	1.985	10	0.12
AKR0027	42.00	44.00	2.00	R102823	0.037	0.790	20	0.18
AKR0027	44.00	46.00	2.00	R102824	0.031	0.652	10	0.21
AKR0027	46.00	48.00	2.00	R102825	0.035	0.678	10	0.16
AKR0027	48.00	50.00	2.00	R102826	0.030	0.615	10	0.18
AKR0027	50.00	52.00	2.00	R102827	0.035	0.692	10	0.23
AKR0027	52.00	54.00	2.00	R102828	0.031	0.556	10	0.20
AKR0027	54.00	56.00	2.00	R102829	0.028	0.533	10	0.18
AKR0027	56.00	58.00	2.00	R102831	0.016	0.311	10	0.12
AKR0027	58.00	60.00	2.00	R102832	0.018	0.460	b.d.	0.14
AKR0027	60.00	62.00	2.00	R102833	0.013	0.351	b.d.	0.11
AKR0027	62.00	64.00	2.00	R102834	0.012	0.317	b.d.	0.11
AKR0027	64.00	66.00	2.00	R102835	0.009	0.251	b.d.	0.10
AKR0027	66.00	68.00	2.00	R102836	0.006	0.226	b.d.	0.08
AKR0027	68.00	70.00	2.00	R102837	0.011	0.324	b.d.	0.13
AKR0027	70.00	72.00	2.00	R102838	0.011	0.312	10	0.13
AKR0027	72.00	74.00	2.00	R102839	0.009	0.269	b.d.	0.12
AKR0027	74.00	76.00	2.00	R102840	0.009	0.272	10	0.12
AKR0027	76.00	78.00	2.00	R102841	0.009	0.298	10	0.13
AKR0027	78.00	80.00	2.00	R102842	0.007	0.108	20	0.06
AKR0027	80.00	82.00	2.00	R102843	0.009	0.273	10	0.11
AKR0027	82.00	84.00	2.00	R102844	0.009	0.288	10	0.11
AKR0027	84.00	85.00	1.00	R102845	0.011	0.287	b.d.	0.15
AKR0028	0.00	2.00	2.00	R102846	0.004	0.075	50	0.44
AKR0028	2.00	4.00	2.00	R102847	0.007	0.182	60	0.57
AKR0028	4.00	6.00	2.00	R102848	0.016	0.312	70	1.00
AKR0028	6.00	8.00	2.00	R102849	0.022	0.306	50	0.68
AKR0028	8.00	10.00	2.00	R102851	0.024	0.417	40	0.94
AKR0028	10.00	12.00	2.00	R102852	0.026	0.404	30	0.66
AKR0028	12.00	14.00	2.00	R102853	0.019	0.314	20	0.73
AKR0028	14.00	16.00	2.00	R102854	0.007	0.168	10	0.40
AKR0028	16.00	18.00	2.00	R102855	0.005	0.148	10	0.17
AKR0028	18.00	20.00	2.00	R102856	0.009	0.214	10	0.39
AKR0028	20.00	22.00	2.00	R102857	0.024	0.597	10	0.26
AKR0028	22.00	24.00	2.00	R102858	0.026	0.628	20	0.23
AKR0028	24.00	26.00	2.00	R102859	0.016	0.417	10	0.19
AKR0028	26.00	28.00	2.00	R102860	0.013	0.386	10	0.19
AKR0028	28.00	30.00	2.00	R102861	0.020	0.612	10	0.20
AKR0028	30.00	32.00	2.00	R102862	0.013	0.411	10	0.21
AKR0028	32.00	34.00	2.00	R102863	0.012	0.412	20	0.21
AKR0028	34.00	36.00	2.00	R102864	0.020	0.436	b.d.	0.22
AKR0028	36.00	38.00	2.00	R102865	0.021	0.426	10	0.24
AKR0028	38.00	40.00	2.00	R102866	0.018	0.368	10	0.19
AKR0028	40.00	42.00	2.00	R102867	0.020	0.298	b.d.	0.15
AKR0028	42.00	44.00	2.00	R102868	0.017	0.277	10	0.12
AKR0028	44.00	46.00	2.00	R102869	0.000			0.00
AKR0028	46.00	48.00	2.00	R102870	0.000			0.00
AKR0028	48.00	50.00	2.00	R102872	0.019	0.291	b.d.	0.11
AKR0028	50.00	52.00	2.00	R102873	0.015	0.334	b.d.	0.12
AKR0028	52.00	54.00	2.00	R102874	0.012	0.335	b.d.	0.10
AKR0028	54.00	56.00	2.00	R102875	0.009	0.367	b.d.	0.08
AKR0028	56.00	58.00	2.00	R102876	0.009	0.319	b.d.	0.09
AKR0028	58.00	60.00	2.00	R102877	0.009	0.324	b.d.	0.09
AKR0028	60.00	62.00	2.00	R102878	0.009	0.291	10	0.11
AKR0028	62.00	64.00	2.00	R102879	0.006	0.213	b.d.	0.08
AKR0028	64.00	66.00	2.00	R102880	0.011	0.291	b.d.	0.11
AKR0028	66.00	68.00	2.00	R102881	0.009	0.292	10	0.11
AKR0028	68.00	70.00	2.00	R102882	0.008	0.392	b.d.	0.09
AKR0028	70.00	72.00	2.00	R102883	0.006	0.260	b.d.	0.08
AKR0028	72.00	73.00	1.00	R102884	0.007	0.256	b.d.	0.08
AKR0029	0.00	2.00	2.00	R102885	0.013	0.265	40	0.99
AKR0029	2.00	4.00	2.00	R102886	0.024	0.353	70	1.66
AKR0029	4.00	6.00	2.00	R102887	0.032	0.445	60	1.65
AKR0029	6.00	8.00	2.00	R102888	0.046	0.474	40	1.06
AKR0029	8.00	10.00	2.00	R102889	0.039	0.506	40	1.34
AKR0029	10.00	12.00	2.00	R102891	0.022	0.283	20	0.73
AKR0029	12.00	14.00	2.00	R102892	0.023	0.450	10	0.35
AKR0029	14.00	16.00	2.00	R102893	0.026	0.422	30	0.15
AKR0029	16.00	18.00	2.00	R102894	0.051	1.205	20	0.14
AKR0029	18.00	20.00	2.00	R102895	0.025	0.459	20	0.08
AKR0029	20.00	22.00	2.00	R102896	0.083	0.752	30	0.04
AKR0029	22.00	24.00	2.00	R102897	0.069	0.790	10	0.14
AKR0029	24.00	26.00	2.00	R102898	0.034	0.439	10	0.19
AKR0029	26.00	28.00	2.00	R102899	0.016	0.382	10	0.16
AKR0029	28.00	30.00	2.00	R102900	0.020	0.472	10	0.15
AKR0029	30.00	32.00	2.00	R102901	0.014	0.376	10	0.14
AKR0029	32.00	34.00	2.00	R102902	0.013	0.272	10	0.08
AKR0029	34.00	36.00	2.00	R102903	0.023	0.469	10	0.13
AKR0029	36.00	38.00	2.00	R102904	0.025	0.436	10	0.18
AKR0029	38.00	40.00	2.00	R102905	0.054	0.495	10	0.18
AKR0029	40.00	42.00	2.00	R102906	0.031	0.433	10	0.16
AKR0029	42.00	44.00	2.00	R102907	0.023	0.446	20	0.18
AKR0029	44.00	46.00	2.00	R102908	0.024	0.441	20	0.20
AKR0029	46.00	48.00	2.00	R102909	0.015	0.359	b.d.	0.13
AKR0029	48.00	50.00	2.00	R102911	0.014	0.329	10	0.12
AKR0029	50.00	52.00	2.00	R102912	0.016	0.357	b.d.	0.14
AKR0029	52.00	54.00	2.00	R102913	0.011	0.326	b.d.	0.11
AKR0029	54.00	56.00	2.00	R102914	0.010	0.298	10	0.12
AKR0029	56.00	58.00	2.00	R102915	0.008	0.272	b.d.	0.11
AKR0029	58.00	60.00	2.00	R102916	0.009	0.282	10	0.12
AKR0029	60.00	61.00	1.00	R102917	0.010	0.301	10	0.13

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Appendix 3 – Collated intercepts, Kalpini

Parameters used to define nickel, cobalt, and scandium intercepts at Kalpini

Parameter	Nickel	Cobalt	Scandium
Minimum cutoff	0.50 % Ni	0.10 % Co	50 g/t Sc
Minimum intercept thickness	2 m	2 m	2 m
Maximum internal waste thickness	4 m	4 m	3 m

Nickel, cobalt, and scandium intercepts from new drilling at Kalpini

Hole	Nickel intercept	Cobalt intercept	Scandium intercept
AKR0001	8 m at 0.06 % Co and 0.84 % Ni from 16.0 m	2 m at 0.1 % Co and 0.75 % Ni from 18.0 m	
AKR0002	2 m at 0.03 % Co and 0.56 % Ni from 10.0 m		
AKR0003	4 m at 0.14 % Co and 0.63 % Ni from 2.0 m	2 m at 0.2 % Co and 0.66 % Ni from 2.0 m	
AKR0004	10 m at 0.05 % Co and 0.5 % Ni from 10.0 m		4 m at 65 g/t Sc from 8.0 m
AKR0005	24 m at 0.05 % Co and 0.83 % Ni from 16.0 m		
AKR0006	14 m at 0.04 % Co and 0.54 % Ni from 16.0 m		6 m at 60 g/t Sc from 12.0 m
AKR0008			2 m at 50 g/t Sc from surface
AKR0009			2 m at 50 g/t Sc from surface
AKR0010	8 m at 0.14 % Co and 0.66 % Ni from surface	6 m at 0.16 % Co and 0.7 % Ni from 0.0 m	2 m at 60 g/t Sc from surface
AKR0011	2 m at 0.03 % Co and 0.5 % Ni from surface		
AKR0015			20 m at 102 g/t Sc from 38.0 m
AKR0016	26 m at 0.12 % Co and 0.9 % Ni from 18.0 m	8 m at 0.3 % Co and 1.65 % Ni from 28.0 m	2 m at 50 g/t Sc from 26.0 m
AKR0017	6 m at 0.02 % Co and 0.77 % Ni from 18.0 m 2 m at 0.05 % Co and 0.66 % Ni from 30.0 m 5 m at 0.01 % Co and 0.66 % Ni from 50.0 m		4 m at 50 g/t Sc from 2.0 m 6 m at 463.3 g/t Sc from 28.0 m
AKR0018	20 m at 0.03 % Co and 0.54 % Ni from 12.0 m 2 m at 0.01 % Co and 0.59 % Ni from 42.0 m 6 m at 0.01 % Co and 0.59 % Ni from 50.0 m		20 m at 105 g/t Sc from 2.0 m
AKR0019	2 m at 0.03 % Co and 0.74 % Ni from 30.0 m 4 m at 0.02 % Co and 0.59 % Ni from 38.0 m 6 m at 0.01 % Co and 0.54 % Ni from 48.0 m		2 m at 60 g/t Sc from 12.0 m
AKR0021	8 m at 0.02 % Co and 0.5 % Ni from 20.0 m 14 m at 0.02 % Co and 0.71 % Ni from 36.0 m		10 m at 46 g/t Sc from 18.0 m
AKR0022	24 m at 0.04 % Co and 0.74 % Ni from 20.0 m		4 m at 50 g/t Sc from 2.0 m
AKR0026	2 m at 0.02 % Co and 0.71 % Ni from 20.0 m		2 m at 50 g/t Sc from 10.0 m
AKR0027	36 m at 0.05 % Co and 0.93 % Ni from 20.0 m	2 m at 0.19 % Co and 1.99 % Ni from 40.0 m	2 m at 50 g/t Sc from 2.0 m
AKR0028	10 m at 0.02 % Co and 0.53 % Ni from 20.0 m		8 m at 57.5 g/t Sc from surface
AKR0029	2 m at 0.04 % Co and 0.51 % Ni from 8.0 m 8 m at 0.06 % Co and 0.8 % Ni from 16.0 m		4 m at 65 g/t Sc from 2.0 m

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Appendix 4 – JORC Code, 2012 Edition, Table 1 report

Section 1 Sampling Techniques and Data

(Criteria in this section applies to all succeeding sections)

Criteria	JORC Code explanation	Commentary
Sampling techniques *Note: Due to the similarity of the deposit styles, procedures and estimations used this table represents the combined methods for all Ardea Resources (ARL) Cobalt and Nickel Laterite Resources. Where data not collected by ARL has been used in the resource calculations, variances in techniques are noted.*	• *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.*	• In this most recent program, Ardea sampled the Kalpini deposit by drilling using Reverse Circulation (RC) on a grid spacing of 400mN x 40mE in two specific areas. Holes were vertical (-90 degree dip), designed to optimally intersect the subhorizontal mineralisation. All holes were sampled on 2 metre, or less commonly 1 metre, down hole intervals. • The drill spacing was designed to augment and infill between historic drilling, leading to an overall drill density of 40x200m.
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).*	• RC drilling was performed with a face sampling hammer (bit diameter between 4½ and 5 ¼ inches) and samples were collected by either a cone (majority) or riffle splitter using 2 metre composites. Sample condition, sample recovery and sample size were recorded for all drill samples collected by ARL.
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.*	• RC chip sample recovery was recorded by visual estimation of the reject sample, expressed as a percentage recovery. Overall estimated recovery was approximately 80%, which is considered to be acceptable for nickel-cobalt laterite deposits. RC Chip sample condition recorded using a three code system, D=Dry, M=Moist, W=Wet. A small proportion of samples were moist or wet (11.5%), with the majority of these being associated with soft goethite clays, where water injection has been used to improve drill recovery. • Measures taken to ensure maximum RC sample recoveries included maintaining a clean cyclone and drilling equipment, using water injection at times of reduced air circulation, as well as regular communication with the drillers and slowing drill advance rates when variable to poor ground conditions are encountered.
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.*	• Visual geological logging was completed for all RC drilling on 1 metre intervals. The logging system was developed by Heron Resources Limited specifically for the KNP and was designed to facilitate future geo-metallurgical studies. Logging was performed at the time of drilling, and planned drill hole target lengths

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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.*	adjusted by the geologist during drilling. The geologist also oversaw all sampling and drilling practices. A mixture of ARL employees and contract geologists supervised all drilling. A small selection of representative chips were also collected for every 1 metre interval and stored in chip-trays for future reference. Only drilling contractors with previous nickel laterite experience and suitable rigs were used. • The geological legend used by ARL is a qualitative legend designed to capture the key physical and metallurgical features of the nickel-cobalt laterite mineralisation. Logging captured the colour, regolith unit and mineralisation style, often accompanied by the logging of protolith, estimated percentage of free silica, texture, grain size and alteration. Logging correlated well with the geochemical algorithm developed by Heron Resources Limited for the Yerilla Nickel Project for material type prediction from multi-element assay data.
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 sub-sampling 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.*	• 2 metre (and rarely 1 metre) composite samples were recovered using a 15:1 rig mounted cone splitter or trailer mounted riffle splitter during drilling into a calico sample bag. Sample target weight was between 2 and 3kg. In the case of wet clay samples, grab samples taken from sample return pile, initially into a calico sample bag. Wet samples stored separately from other samples in plastic bags and riffle split once dry. • QAQC was employed. A standard, blank or duplicate sample was inserted into the sample stream 10 metres on a rotating basis. Standards were either quantified industry standards, or standards made from homogenised bulk samples of the mineralisation being drilled (in the case of the Yerilla project). Every 30th sample a duplicate sample was taken using the same sample sub sample technique as the original sub sample. Sample sizes are appropriate for the nature of mineralisation.
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 (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.*	• All Ardea samples were submitted to Kalgoorlie ALS laboratories and transported to ALS Perth, where they were pulverised. Analysis at ALS Perth was by ICP utilising a 50g charge (lab method PGM-ICP24) for PGM suite elements (Au, Pt, Pd). Additional analysis was undertaken by sending subsamples to ALS Brisbane where analysis by silicate fusion / XRF analysis (lab method ME-XRF12n) for multiple grade attributes for laterite ores (Al_2O_3, As, BaO, CaO, Cl, Co, Cr_2O_3, Cu, Fe_2O_3, Ga, K_2O, MgO, MnO, Na_2O, Ni, P_2O_5, Pb, Sc, SiO_2, SO_3, SrO, TiO_2, V_2O_5, Zn, ZrO_2). Fusion / XRF analysis is an industry standard method used to analyse nickel laterite ores and ALS is a reputable commercial laboratory with extensive experience in assaying nickel laterite samples from numerous Western Australian nickel laterite deposits. • ALS routinely inserts analytical blanks, standards and duplicates into the client sample batches for laboratory QAQC performance monitoring. • Ardea also inserted QAQC samples into the sample stream at a 1 in 20 frequency, alternating between duplicates splits, blanks (industrial sands) and standard reference materials. • Additionally, a review was conducted for geochemical consistency between historically expected data, recent data, and geochemical values that would be expected in a nickel laterite profile. • All of the QAQC data has been statistically assessed. There were some inconsistencies in the returning results from standards submitted, relating to the XRF analysis suite. This has been thoroughly investigated with the conclusion that either some standards were not correctly identified and recorded on submission, or time/external influence has had an impact on some of the quality of the values standards, as figures reported for the relevant errant standards were significantly different to the normal recognisable standard values. Ardea has undertaken its own further in-house review of QAQC results of the ALS routine

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Criteria	JORC Code explanation	Commentary
		standards, 100% of which returned within acceptable QAQC limits. This fact combined with the fact that the data is demonstrably consistent and repeated for expected Ni/Co values within the lateritic ore profiles of both reported areas and is also consistent with nearby abundant historic drilling data, has meant that the results are considered to be acceptable and suitable for reporting.
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.*	• No independent verification has been undertaken. • No twinned holes were drilled. • A review of logged geology and geochemical domains within drill holes reconciles consistently with values that would be expected within the lateritic profiles of both areas. Data values are within the numerical ranges that are consistent with 200 m proximal drill hole values for the respective orebodies (i.e. values are not considered outliers or skewed). Scandium has not been historically evaluated and is unusually high in drill hole AKR0017, however historic drill holes were not assayed for scandium so no comparison is available. • No adjustments have been made to the 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.*	• All drill holes surveyed using an RTK DGPS system with either a 3 or 7 digit accuracy. The coordinates are stored in the exploration database referenced to the MGA Zone 51 Datum GDA94. • All holes drilled as part of the Kalpini program were vertical. No holes were down-hole surveyed. The sub-horizontal orientation of the mineralisation, combined with the soft nature of host material results in minimal deviation of vertical RC drill holes. For example, historically, a small number of vertical open RC holes were check surveyed at Jump Up Dam, and found to have deviation over 60m of less than 1 metre, which is considered sufficiently accurate for this style of mineralisation. • The grid system for all models is GDA94. Where historic data or mine grid data has been used it has been transformed into GDA94 from its original source grid via the appropriate transformation. Both original and transformed data is stored in the digital database. • A DTM was constructed from picked up drill collar locations. The use of collar data is considered sufficiently accurate for reporting of resources, but is not suitable for mine planning and reserves.
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *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.* • *Whether sample compositing has been applied.*	• This drill program at Kalpini was drilled at a grid spacing of 400mN x 40mE. Kalpini has historically been drilled on a series of uniform grids ranging from a maximum of 400mN x 100mE to 200mN x 40mE. Occasional historic holes were drilled opportunistically and were not part of an established grid at the time. • Sample compositing has not been applied to the newly collected data.
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.*	• All drill holes in this program were vertical and give a true width of the regolith layers and mineralisation. • On a local scale there is some variability due to sub-vertical to vertical structures which may not be picked up with the relatively broad spaced vertical drill pattern employed. This local variability is not considered to be significant for the project overall, but will have local effects on mining and scheduling later in the project life.
Sample security	• *The measures taken to ensure sample security.*	• All samples were collected and accounted for by ARL employees during drilling. All samples were bagged into plastic bags and closed with cable ties. Samples were transported to Kalgoorlie from site by ARL employees/contractors in sealed bulka bags. • Consignments were transported to ALS Laboratories in Perth by Coastal Midwest Transport. All samples were transported with a manifest of sample numbers and a sample submission form containing laboratory

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Criteria	JORC Code explanation	Commentary
		instructions. Any discrepancies between sample submissions and samples received were routinely followed up and accounted for.

Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• ARL has periodically conducted internal reviews of sampling techniques relating to resultant exploration datasets, and larger scale reviews capturing the data from multiple drilling programmes within the KNP.
		• Internal reviews of the exploration data included the following:
		  • Unsurveyed drill hole collars (less than 1% of collars).
		  • Drill Holes with overlapping intervals (0%).
		  • Drill Holes with no logging data (less than 2% of holes).
		  • Sample logging intervals beyond end of hole depths (0%).
		  • Samples with no assay data (from 0 to <5% for any given project, usually
		• related to issues with sample recovery from difficult ground conditions,
		• mechanical issues with drill rig, damage to sample in transport or sample preparation).
		  • Assay grade ranges.
		  • Collar coordinate ranges
		  • Valid hole orientation data.
		• The ALS Laboratory was visited by ARL staff in 2016, and the laboratory processes and procedures were reviewed at this time and determined to be robust.

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Section 2 - Reporting of Exploration Results

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

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 licence to operate in the area.*	• The tenement on which the Kalpini drilling was undertaken is E28/1224. • The tenement and land tenure status for the KNP prospect areas containing continuous cobalt rich laterite mineralisation is summarised in Table 3 following and in the Ardea Prospectus, section 9 "Solicitor's Report on Tenements".
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• The Kalpini deposit was initially discovered by Heron Resources. A previous explorer had drilled the region for Mt Keith-style primary nickel sulphides but had not sampled regolith. Heron revisited historic samples, had them assayed and discovered lateritic nickel and cobalt mineralisation. All subsequent historic drilling and assessment of the Kalpini Project was undertaken by Heron Resources Limited until this most recent drill program.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The KNP nickel-cobalt laterite mineralisation developed during the weathering and near surface enrichment of Archaean-aged olivine-cumulate ultramafic units. The mineralisation is usually within 60 metres of surface and can be further subdivided on mineralogical and metallurgical characteristics into upper iron-rich material and lower magnesium-rich material based on the ratios of iron to magnesium. The deposits are analogous to many weathered ultramafic-hosted nickel-cobalt deposits both within Australia and world-wide. • Cobalt-rich mineralisation is typically best developed in iron-rich material in regions of deep weathering in close proximity to major shear zones or transfer shear structures and to a lesser extent as thin zones along the interface of ferruginous and saprolite boundaries at shallower depths proximal to shear structures. • The Cobalt Zone is associated with a distinctive geo-metallurgical type defined as "Clay Upper Pyrolusitic". Mineralogy is goethite, gibbsite and pyrolusite (strictly "asbolite" or "cobaltian wad"). The Cobalt Zones typically occur as sub-horizontal bodies at a palaeo-water table within the KNP (late stage supergene enrichment). This material is particularly well developed at Goongarrie South.

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.*
		• All holes drilled in this most recent program are listed in "Appendix 1 – Collar location data, Kalpini".

Drill hole	• *If the exclusion of this information is justified on the basis that the information is not*	• All assay data relating to the metals of interest at Kalpini, namely cobalt, nickel, scandium, platinum,

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Criteria	JORC Code explanation	Commentary
Information	*Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	palladium, and chromium, are listed in "Appendix 2 – Assay results from Kalpini". Other elements were assayed but have not been reported here. They are of use and of interest from a scientific and metallurgical perspective, but are not considered material and their exclusion does not detract from the understanding of this report.

Data aggregation methods	• *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.*
	• *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.*
		• Most drill hole samples have been collected over 2m down hole intervals.
		• All newly defined cobalt intercepts at Kalpini (calculated both from new data and historic data) were calculated using the following parameters:
		  • 0.10 % cobalt minimum cutoff;
		  • 2 m minimum intercept; and
		  • 4 m internal waste.
		• All newly defined scandium intercepts at Kalpini were calculated using the following parameters:
		  • 50 g/t scandium minimum cutoff;
		  • 2 m minimum intercept; and
		  • 3 m internal waste.
		• Assay compositing techniques were not used in this assessment.
		• No metal equivalent calculations have been used in this assessment.

Relationship between mineralisation widths and intercept lengths	• *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').*	• The nickel-cobalt laterite mineralisation at Kalpini has a strong global sub-horizontal orientation. This is also true of the Sc mineralisation. • All drill holes are vertical. • All drill holes intersect the mineralisation at approximately 90° to its orientation. All down hole widths are approximate true widths.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• Maps and sections of the cobalt, nickel, and scandium mineralisation are shown within the report. Every drillhole on every section drilled is shown.
Balanced reporting	• *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.*	• Not applicable to this report. All results are report either in the text or in the associated appendices. Examples of high-grade mineralisation are labelled as such.
Other substantive exploration data	• *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.*	• No other data are, at this stage, known to be either beneficial or deleterious to recovery of the metals reported. Uncertainties surrounding the possibility of recovery of the metals of interest are noted prominently in the report.
Further work	• *The nature and scale of planned further work (e.g. 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.*	• Further drilling could be undertaken at Kalpini but has not yet been defined. Further drilling could include infill drilling as well as examination of higher-grade zones for Co, Ni, and Sc distributions. • Desktop studies to assess the distributions of mineralisation at Kalpini and their applicability to incorporation into the KNP Cobalt Zone could include 3D modelling and detailed geometallurgical examination of historic data. If appropriate, re-assay of historic pulps or new drilling may be required to fully assess some areas.

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