ASX ANNOUNCEMENT 17TH SEPTEMBER 2020

HISTORICAL DATA AT COATES PROJECT SUPPORTS PGE EXPLORATION

Historical drilling geochemistry confirms exploration strategy for nickel, base metals, gold and platinum group minerals at the **Coates Mafic Intrusive Complex** *near Wundowie, Western Australia.*

KEY POINTS

- **Australian Vanadium Ltd (ASX: AVL) holds ground over the Coates Mafic Intrusive Complex (Coates)**
- **Coates is located approximately 29km southeast of the recent nickel-copper-platinum group elements (Ni-Cu-PGE) discovery at the Julimar Project by Chalice Gold Mines (ASX: CHN)**
- **Detailed historical drilling data from 1970s has been captured by the Company**
- **Drilling defined a magnetite gabbro with vanadium-titanium mineralisation within a larger layered gabbro intrusion considered prospective for PGE-Ni-Cu mineralisation**
- **Core from two historical Coates diamond drillholes acquired for analysis**
- **New micro XRF scans of historical core hole CRD019 indicate presence of disseminated pyrrhotite and chalcopyrite within discrete pyroxenite phase of magnetite gabbro**
- **Mafic intrusions, including Coates, within the Jimperding Metamorphic Belt were recognised as prospective for PGE-Ni-Cu in an early 1980s geological journal article[1]**
- **Exploration planning underway for extensive geochemical and geophysical programs**
- **AVL is collaborating with Lithium Australia NL (ASX:LIT) and Mercator Metals Pty Ltd which hold adjacent tenements, together holding a combined area of 59km^2, covering the entire current interpreted Coates Mafic Intrusive complex**

Australian Vanadium Limited (ASX: AVL, "the Company" or "AVL") is pleased to announce the completion of the compilation of historical geological and geochemical information for the Coates Project.

[1] Harrison PH; 1984; "The Mineral Potential of Layered Igneous Complexes within the Western Gneiss Terrain"; published in Professional papers for 1984 of the Geological Survey of Western Australia, 19"; Government Printing Office; Perth; p. 37 - 54

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In May 2020, AVL, Lithium Australia NL (ASX: LIT) and Mercator Metals Pty Ltd (Mercator) provided details of a collaboration to advance an exploration strategy for nickel, base metals, gold and platinum group elements (PGEs) at the Coates Mafic Intrusive Complex near Wundowie, Western Australia[2] (location and tenure shown in Figure 1).

Among the rarest metals on earth, PGEs comprise ruthenium, rhodium, palladium, osmium, iridium, and platinum which are elements with high melting points, corrosion resistance and catalytic qualities.

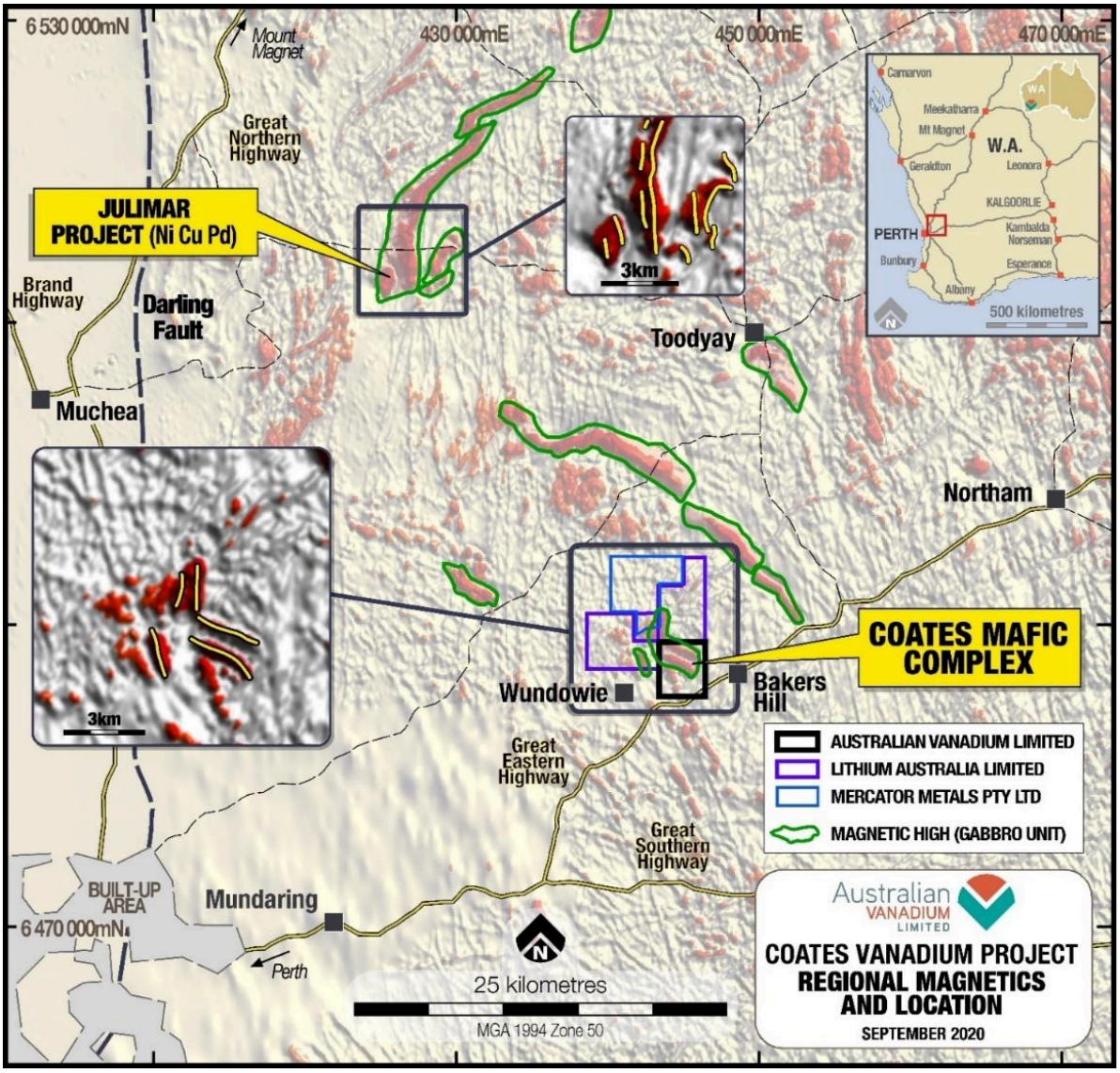

Figure 1 **Coates Mafic Complex Location with Chalice Gold Mines Julimar Discovery shown on 80m GSWA Aeromagnetics Imagery[3]**

[2] See ASX announcement dated 27th May 2020 *'Strategic Alliance Formed to Explore the Coates Mafic Intrusion for Nickel Sulphides'*

[3] Brett JW, 2020, 80 m Magnetic Merged Grid of Western Australia 2020 version 1: Geological Survey of Western Australia, www.dmp.wa.gov.au/geophysics

The combined tenements of the Coates Project cover 59km^2 of a southern extension of similar mafic-ultramafic rocks to the sequence that is host to the recent nickel-copper-PGE discovery at the Julimar Project by Chalice Gold Mines Limited.

AVL and LIT have now compiled much of the available geological and geochemical information for the Coates Project.

Managing Director Vincent Algar comments, *'AVL's geological team has digitally compiled the historical Coates V-Ti drilling with new eyes following the significant Ni-Cu-PGE discoveries at Julimar and previous discoveries by Cassini Resources at Yarahwindah. The presence of vanadium-bearing layered gabbro intrusions throughout the SW Yilgarn and their association with more ultramafic zones bearing Ni and PGE, align geologically with Coates and the ground held by AVL, LIT and Mercator.*

The data compilation and modelling undertaken to date strongly supports further exploration for base and precious metals at Coates.'

AVL has digitally captured nearly 18,000 metres of drilling by Garrick Agnew Pty Ltd and Mt Dempster Mining Pty Ltd in the early and mid-1970s, respectively, at the Coates Siding vanadium-titanium-magnetite deposit. The geological logs and assay data have been used to create a 3D model of the geology within AVL's tenure. Some portions of historical drill core holes have been acquired from the project, and micro XRF scans (100 micron resolution) completed on three half-core samples. This has allowed the evaluation of the Coates V-Ti deposit primary rock types, with finer resolution scans (4 micron resolution) completed on two sulphide occurrences.

LIT has previously validated the Ni-PGE exploration model for Coates when releasing results from drilling by Bauxite Resources Ltd during 2013 in the north west portion of the tenement group[4]. Whilst targeting bauxite, end of hole samples were analysed for a range of precious and base metals, and some are adjacent to the Coates Mafic Intrusion magnetic footprint. **The results show a co-incident anomalous nickel (Ni), copper (Cu), chromium (Cr) platinum (Pt max 37 ppb) and palladium (Pd max 53 ppb) (together "PGE") and gold[2] (Au max 108 ppb)[5] signature along the western edge of the Coates intrusion (see Figure 2).**

[4] See LIT ASX announcement dated 30th July 2020 *"Geochemistry substantiates Nickel and PGE targets at Wundowie, Western Australia"*.
[5] Ni, Cu, Cr analysed by portable XRF; Pt, Pd, Au analysed by fire assay at a commercial laboratory

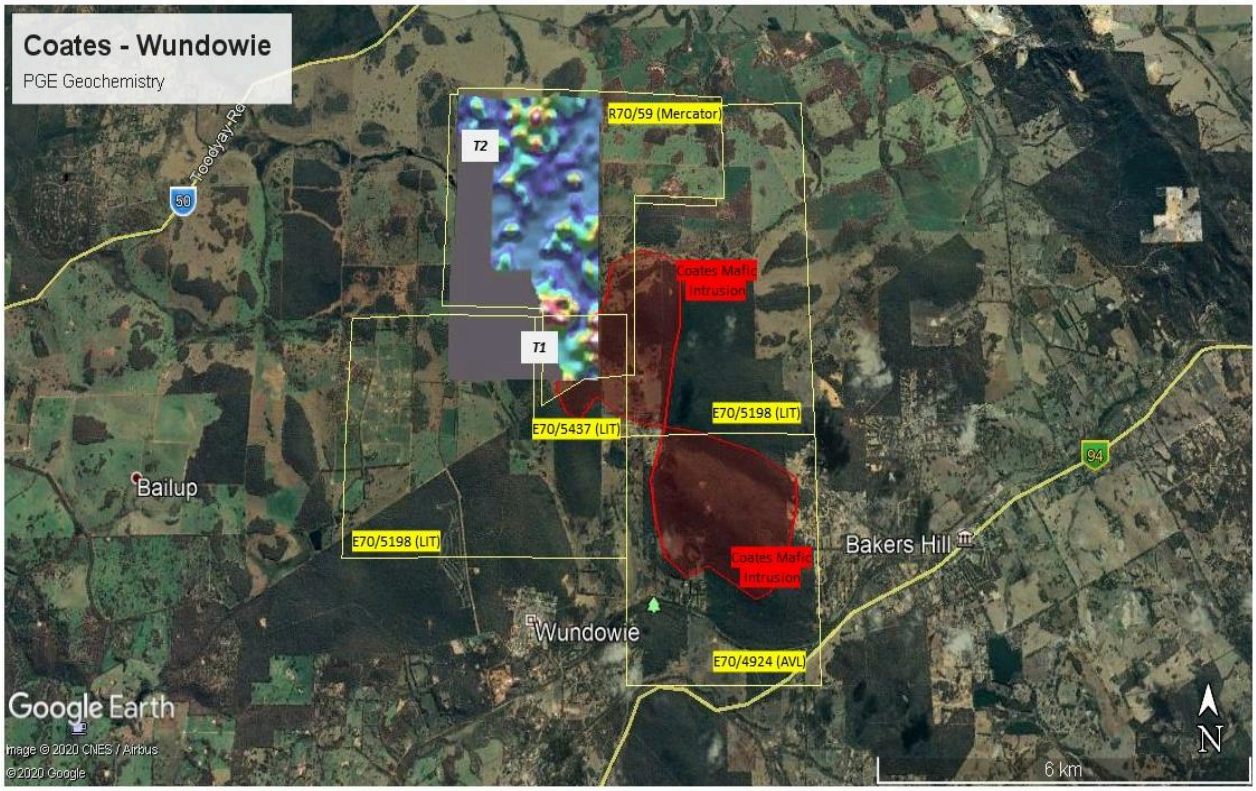

Figure 2 **Pt + Pd contoured grid in NW corner of tenements from bottom of hole analysis of Bauxite Resources Limited's vacuum drilling, showing anomalous PGEs at edge of Coates Mafic Intrusion**

NICKEL-COPPER-PGE POTENTIAL

The prospectivity of the layered mafic intrusions through the Western Gneiss Complex of the southwest Yilgarn for PGE, nickel and chrome was noted in 1984 in a journal article by PH Harrison, titled "The Mineral Potential of Layered Igneous Complexes within the Western Gneiss Terrain". The article considers a sample collected from a test shaft at Coates, considered to be a basal ultramafic layer of the gabbro. One sample (78180) collected by the Geological Survey of Western Australia (GSWA) from the test shaft driven down by Mangore in the 1960s contains serpentine minerals after olivine, as determined by thin section petrology. The rock type is interpreted by the author to be a meta-dunite with well-preserved adcumulate texture. Chromite rims were observed on the edge of the former olivine crystals with numerous secondary veinlets of Ti – V magnetite[1].

This same article lists chemistry of two samples collected at Coates as measured by GSWA, that have nickel and chrome values substantiating the presence of ultramafic rocks in the Coates Mafic Complex rock sequence.

Table 1 **GSWA Samples from Coates Published in Geology Article[1]**

GSWA Sample	Locality	Description	Cu ppm	Ni ppm	C_2O_3 ppm	Pt ppm	Pd ppm	Fe %	TiO_2 %	V_2O_5 %
78179	Coates Gabbro	Serpentinite	30	2390	1950	<0.04	0.01	8.44	<0.01	0.37
78180	Coates Gabbro	Serpentinised Gabbro	40	2390	8380	<0.04	<0.006	8.1	0.075	0.048

HISTORICAL DRILLING DATA

A significant digital dataset for 385 percussion and diamond core holes for nearly 18,000 metres of drilling has been collected and verified by the AVL team and used to model the geology within AVL's tenure. The dataset, comprised of 4,541m of diamond core and 13,420m of percussion drilling, includes major element assays (V_2O_5, TiO_2, Fe, SiO_2, Al_2O_3, CaO and LOI) for percussion holes and detailed geological logs of diamond core completed at the Coates project by Garrick Agnew Pty Ltd and Mt Dempster Mining Pty Ltd during the early to mid-1970s.

As described by historical workers and drill hole logging, the geology at the Coates deposit comprises:

- Hangingwall meso-gabbro with 40 – 70% mafic minerals on the southwest side of the main ridge containing sub-economic levels of V_2O_5, indicating the presence of minor disseminated vanadium-bearing magnetite.
- Magnetite gabbro on the main ridge (topographic high) is host to the historical vanadium-titanium-magnetite resource with 20 – 40% magnetite, striking northwest to southeast and dipping at about 70 degrees to the southwest. The magnetite gabbro hosts V_2O_5 within the magnetite crystals and titanium as discrete ilmenite crystals as well as within the magnetite crystals. The magnetite occurs as rhythmic bands, up to about a metre thick, separated by bands (usually greater than 3 metres thick) of meso-gabbro or plagioclase-rich (leuco) gabbro.
- The footwall unit to the northeast is logged as leuco-gabbro and anorthosite in the drill dataset (described in reports as 60 – 80% plagioclase with no visible magnetite). The presence of the leuco-gabbro in the footwall position led historic workers to interpret the differentiated gabbro as overturned. However, the layered gabbro could be the right way up, as evidence from the Bushveld Complex shows relatively late anorthosite that is part of a fractionating layered gabbro can thermally erode and form intrusive slurries, intruding into lower parts of a layered gabbro sequence[6]. This unit at the magnetite gabbro footwall position is devoid of V_2O_5. The thickness of the footwall leuco-gabbro is unknown as drilling is concentrated on the main ridge line in the

[6] Maier WD, Karykowski BT, et el; 2016; "Formation of transgressive anorthosite seams in the Bushveld Complex via tectonically induced mobilization of plagioclase-rich crystal mushes"; China University of Geosciences (Beijing); Geoscience Frontiers 7; p. 875 - 889

magnetite gabbro, with little drill information available more than 20 metres into the footwall zone, implying it may be relatively thin.

Sources for the compiled database are listed below.

***Table 2* WAMEX Items Used for Database Construction**

WAMEX Item	Year	Company	Data Type
A1694	1970–1971	Garrick Agnew Pty Ltd	Geological descriptions (including sulphide occurrences) and cross sections
A1940	1970–1971	Garrick Agnew Pty Ltd	Drill Hole Logs (Diamond core); Ground Control plans
A3142	1970–1971	Garrick Agnew Pty Ltd	Percussion hole XRF assay results; Drill Hole Logs (Diamond Core)
A6071	1974–1975	Mt. Dempster Mining Pty Ltd	Diamond Drill Hole Logs; XRF assay results (holes CRD001 – CRD012); Magnetometer results
A6072	1974–1975	Mt. Dempster Mining Pty Ltd	Diamond Drill Hole Logs; XRF assay results (holes CRD013 – CRD029); Magnetometer results

MAGNETIC ANOMALY

A repeated northwest to southeast striking magnetic signature occurs about 500 metres to the north of the strongly magnetic magnetite-gabbro, shown in Figure 3. This anomaly is in a topographic low between ridges and a possible interpretation is the unit is an ultramafic differentiation of the gabbro sill (ie, more basal part of the sequence). Serpentinite ultramafic close to surface produces a magnetic signature due to the magnetite content, possibly combined with a depression in elevation due to the less resistant nature of the rock type. **This 2.5km long magnetic anomaly is a high priority target for exploration activity**. This interpretation of the geology requires validation. One way to validate this interpretation would be to test soil geochemistry. Nickel (Ni), chrome (Cr), PGE and gold anomalism in soils over the magnetic signature to the northeast would support this interpretation.

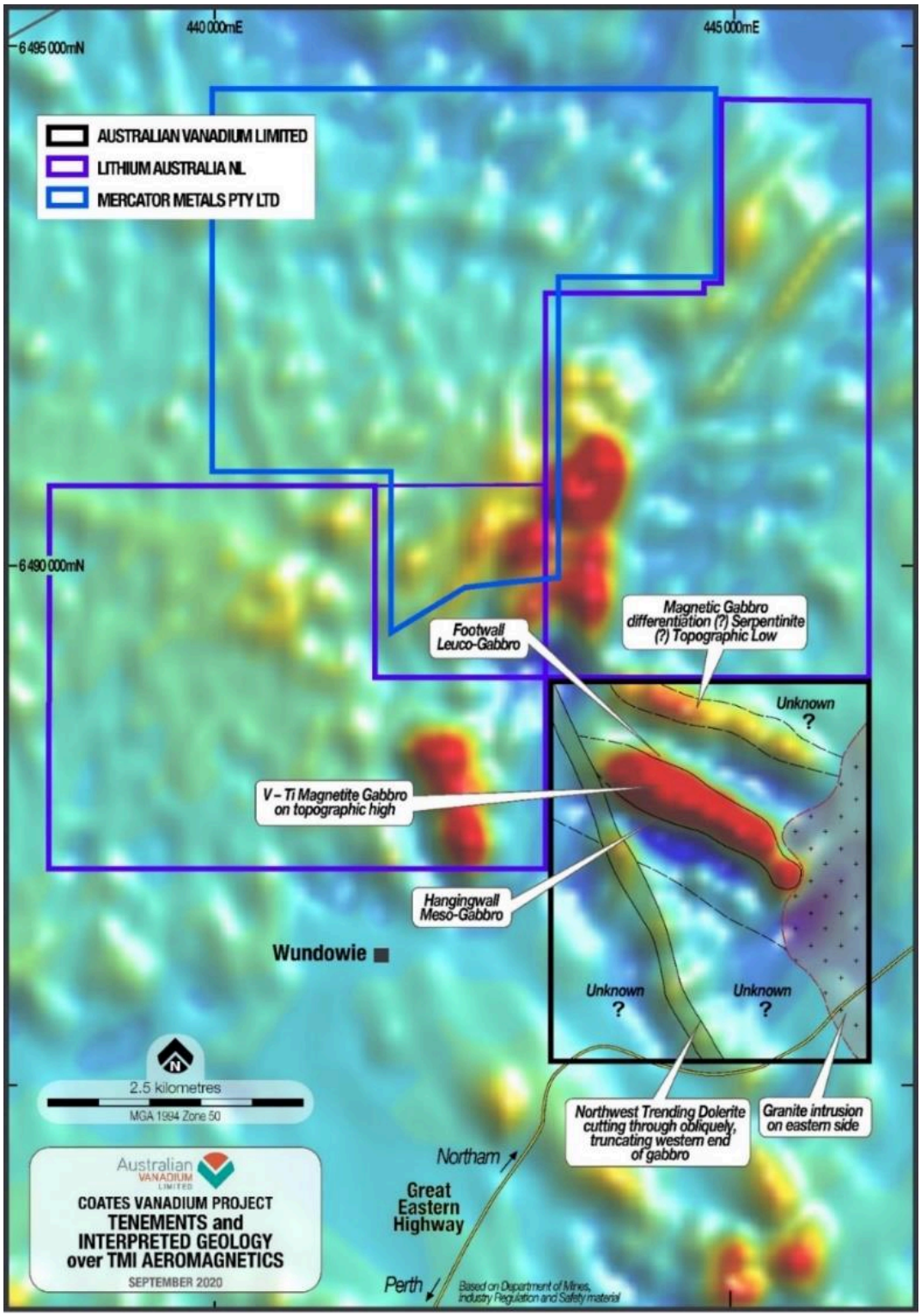

Figure 3 **Coates Mafic Complex with overlay of interpreted geology based on information from historic drill dataset on 80m GSWA Aeromagnetics Imagery[7]**

[7] Brett JW, 2020, 80 m Magnetic Merged Grid of Western Australia 2020 version 1: Geological Survey of Western Australia, www.dmp.wa.gov.au/geophysics

The collar location plan for all drill holes at Coates Project is shown in Figure 4. The location of two typical drill sections are shown on this plan. A complete list of hole collar positions is in Appendix 1.

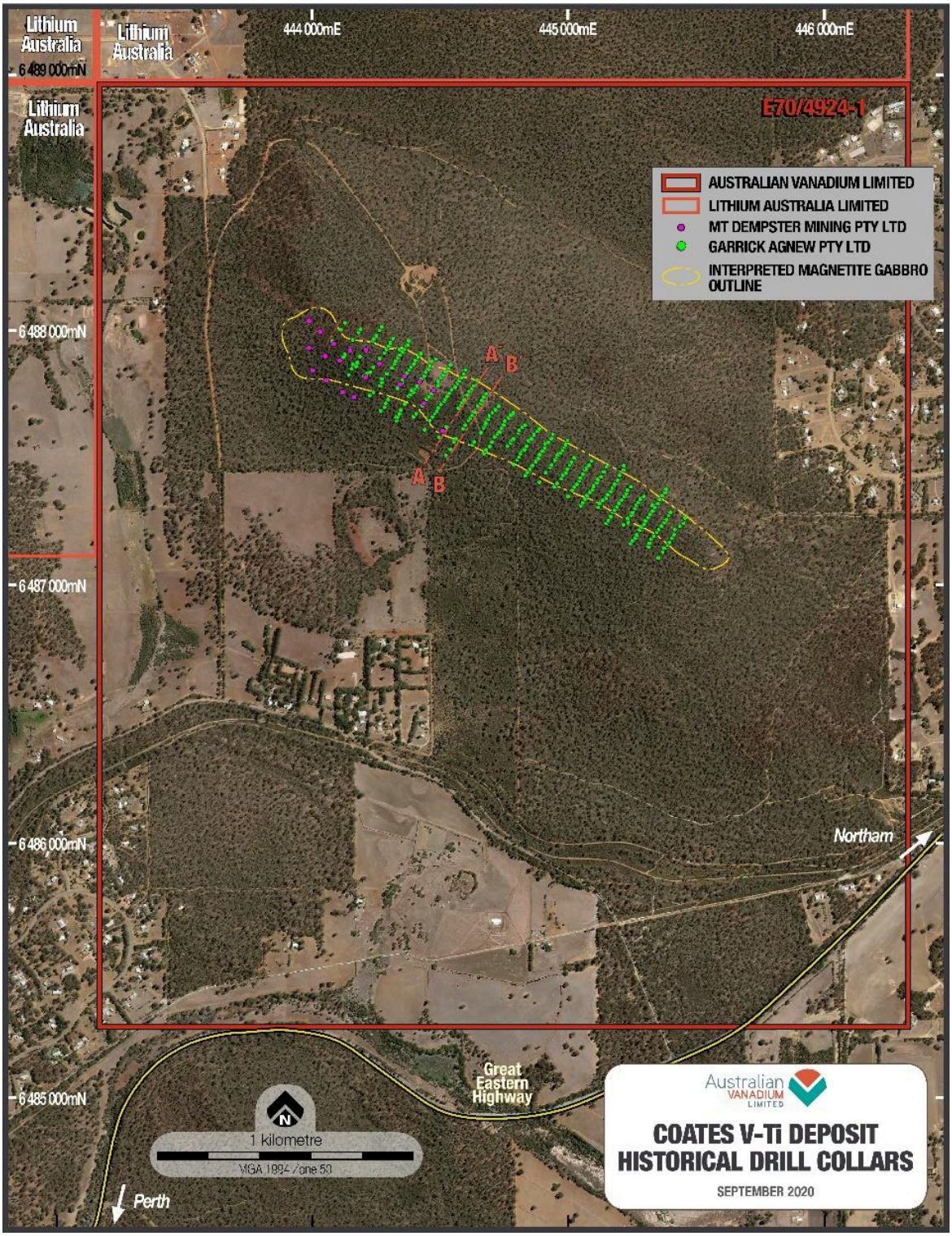

Figure 4 **Collar plan of historical drill dataset at Coates Project**

HISTORICAL DIAMOND CORE

A portion of two historical diamond drill holes (BX size half core) have been acquired from a private owner. The core is from holes CRD019 and CRD013 that were drilled by Mt Dempster Mining Pty Ltd in 1974.

The drill core is in excellent condition and checks have validated that it is from the Coates deposit. Numerous features show the good condition and authenticity, such as:

1. Good condition of the original metal core trays shows the core has been stored inside out of the weather.
2. Depth marks on the trays and in the markers placed into the tray (plastic core blocks) are preserved and logical.
3. Many of the core pieces are still interlocking at fractures/breaks, suggesting the core is in the right position within the trays, with a few exceptions that can be explained by the process of core cutting and sampling (different side of core taken for assay sample).
4. The core has plausible geology continuity downhole.
5. The core in the trays matches the historic drill core logs available from public WAMEX reports, with thin aplite intrusions providing clear marker horizons down hole for correlation.

During review of the core from hole CRD019, discordant mela-gabbro phases with disseminated sulphide were noted above a small chlorite-pyrite shear zone. **While there are small amounts of disseminated sulphide throughout the magnetite gabbro unit, the sulphide abundance increases in the mela-gabbro unit.**

Three sections of core from CRD019 (two zones of mafic rock with sulphide in the gabbro at 49.53 to 49.77 m and 50 – 50.15 m and a small shear zone at 50.75 to 50.96 m) were selected for micro XRF scanning on an M4 TORNADO at Portable Spectral Services in Perth[8]. This technology is relatively new and is a non-destructive method of analysis that maps elemental abundance using x-ray fluorescence. 100 micron (µm) resolution scans were completed on the three pieces of core, over windows of about 15 cm by 4 cm each.

The 100 µm scan clearly identified a more mafic phase of the gabbro (mela-gabbro) that contains abundant magnetite > pyroxene/amphibole > ilmenite > sulphide adjacent to a zone of meso-gabbro

[8] **Cautionary Note 1:**
The presence of sulphides in core does not necessarily imply the presence of economic mineralisation or that there is sufficient quality or quantity to constitute a mineral resource.
In accordance with ASX Listing Rules Guidance Note 8, the work completed so far on the sulphide in historical core at Coates is based on initial visual and mineralogical inspections and addresses the identification, but not the quality (grade) or quantity (volume) of material present. The logged historical drill core although assayed for V, Ti, Fe, Si, Al, Ca and LOI, has not been assayed or assessed for base metals or PGE. Therefore, any understanding of the potential base metal or PGE mineralised material will only be confirmed by future sampling programs and assays. AVL intends to complete a program of sampling and assays to evaluate the possible base metal and PGE mineralisation.

that has plagioclase > pyroxene/amphibole > magnetite > ilmenite > sulphide. The mineralogy and scans of core from CRD019 from 50 – 50.15 metres down hole is shown in Figure 5.

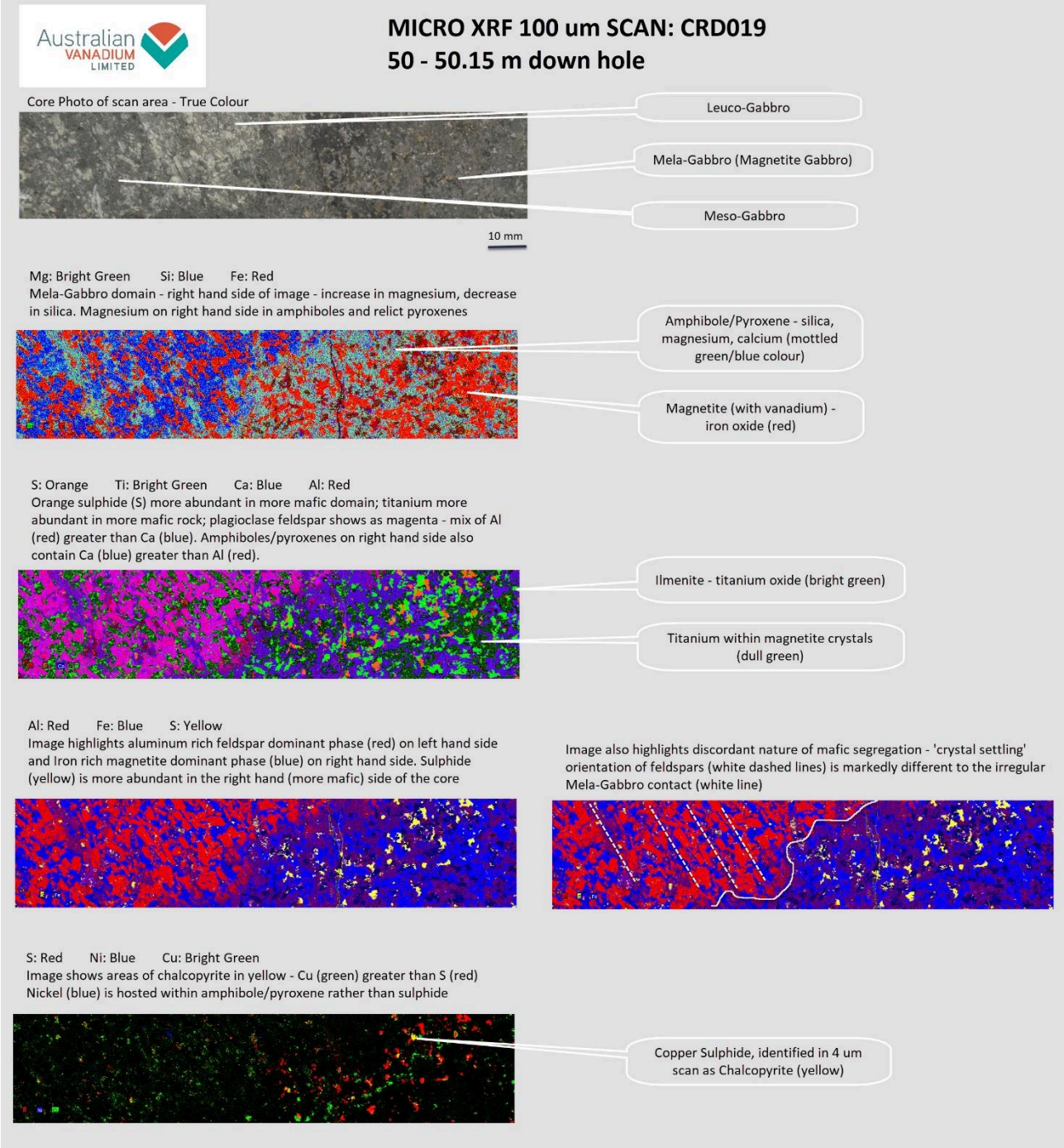

Figure 5 **Element maps from 100 um Micro XRF scan of core from 50 – 50.15 m down hole in CRD019**

From the 100 µm scans, an area of sulphide identified in the sample shown in Figure 5 was chosen for fine resolution 4 µm scanning, due to the presence of copper in the elemental scan. This scan was interpreted for mineralogy, showing the sulphide species present are pyrrhotite and chalcopyrite. The surrounding minerals are identified as hornblende with possibly relict augite in the centre;

ilmenite; magnetite and titanite. Some minor quartz is present. Results for the 4 µm scan are shown in Figure 6.

AVL will quarter core, sample and send the entire available sections of core from CRD019 for laboratory analysis to determine the nature of base metal gold and PGE contents.

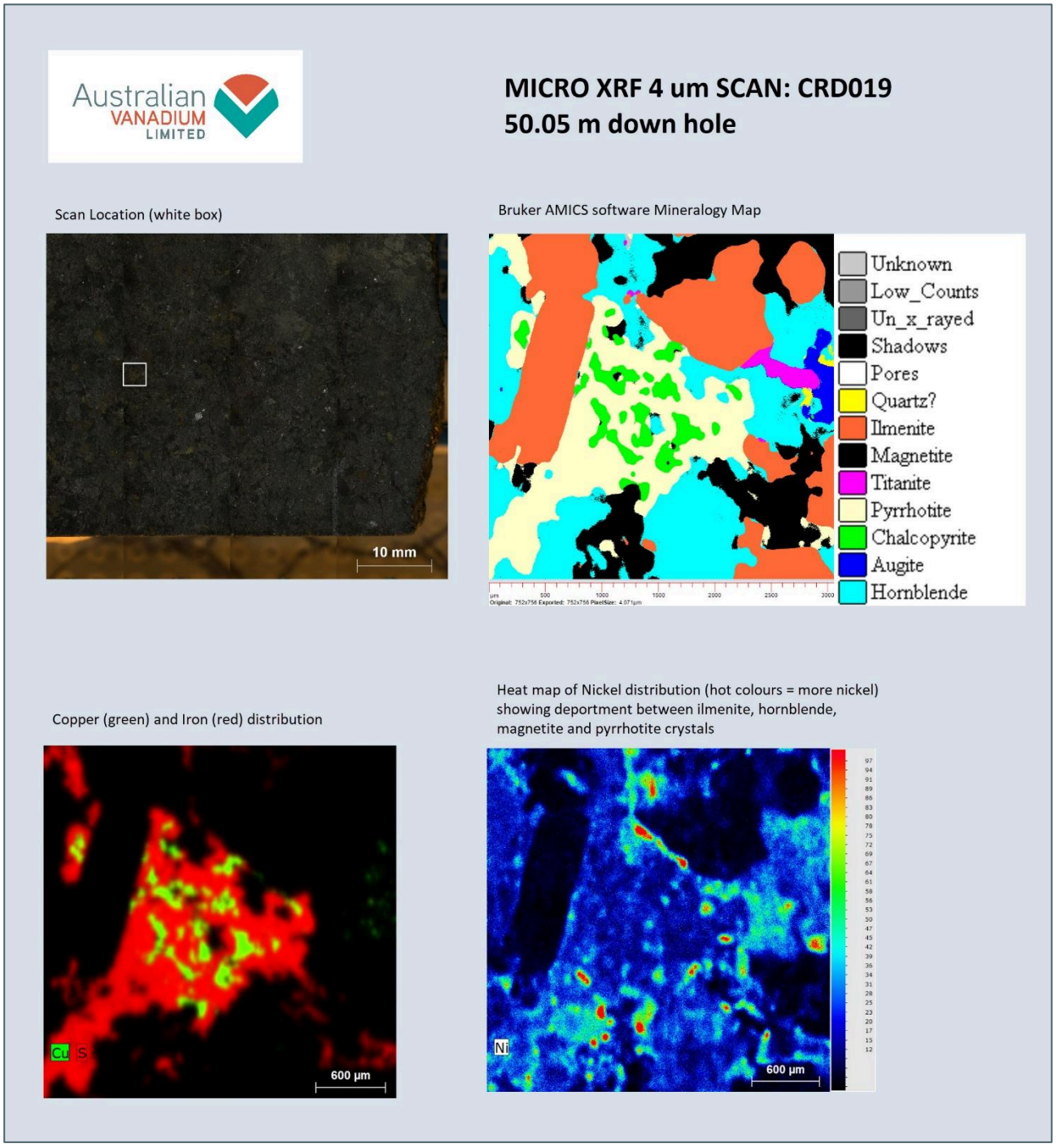

Figure 6 **Base metals element maps and Mineralogy Map from 4 um Micro XRF scan of core from 50.05 m down hole in CRD019**

MINERALISATION LOGGING IN HISTORICAL CORE

Diamond hole CRD019 is one of the holes drilled by Mt Dempster Mining Pty Ltd[9] during 1974 - 1975. In this drill hole series, geological logs list the presence and frequency of pyrite stringers (with orientation drawn on the graphic log), and there are descriptions and thin intervals where sulphides are noted as disseminated or stringers. Often just 'sulphides' is the description in the comments, without determination of the species. Geologists did note chalcopyrite occurrences where they saw them, but not with percentages[10]. Examples of comments against logged instances of chalcopyrite are:

- CRD019, 131.26 – 131.33 metres downhole: "Shear zone, mainly hornblendite-biotite. Mag(netite) Gabbro inclusion. Disseminated chalcopyrite".
- CRD023, 40.54 – 40.75 metres downhole: "Sheared mela-gabbro – chalcopyrite"
- CRD006, 28.9 – 29.47 metres downhole: "Highly altered magnetite gabbro, chloritised, epidotised. Disseminated chalcopyrite, pyrite".
- CRD006, 50.63 – 51.02 metres downhole: "Meso-type Gabbro – altered with disseminated pyrite/chalcopyrite".

The drill section that has CRD019 is shown in Figure 7 below, with down hole logging of chalcopyrite occurrences.

[9] See WAMEX items A6071 and A6072 for copies of Mt Dempster Mining Pty Ltd historical drilling geology logs

[10] **Cautionary Note 2:**
The presence of sulphides in core does not necessarily imply the presence of economic mineralisation or that there is sufficient quality or quantity to constitute a mineral resource.
In accordance with ASX Listing Rules Guidance Note 8, the work completed so far on the sulphide in historical core at Coates is based on initial visual and mineralogical inspections and addresses the identification, but not the quality (grade) or quantity (volume) of material present. The logged historical drill core although assayed for V, Ti, Fe, Si, Al, Ca and LOI, has not been assayed or assessed for base metals or PGE. Therefore, any understanding of the potential base metal or PGE mineralised material will only be confirmed by future sampling programs and assays. AVL intends to complete a program of sampling and assays to evaluate the possible base metal and PGE mineralisation.

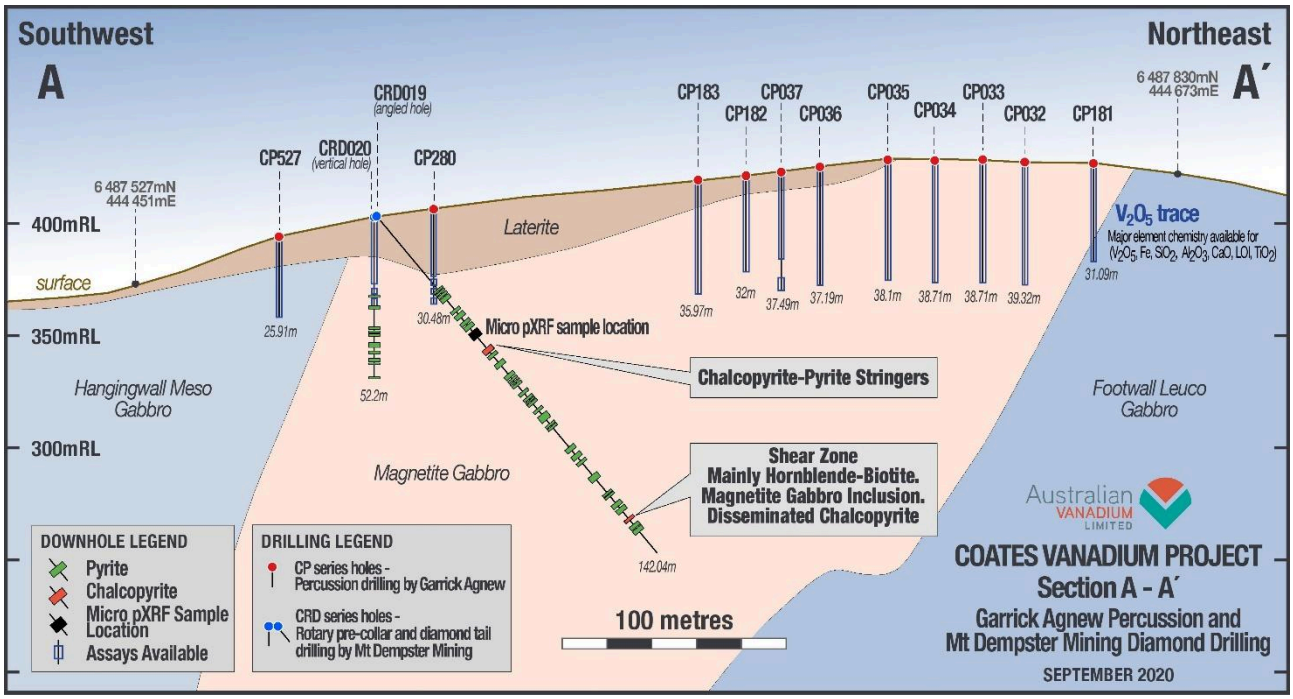

Figure 7 **Cross section A – A' showing CRD019 and CRD020 diamond holes by Mt Dempster Mining Pty Ltd with logged sulphides. No percentages are provided for sulphide amounts in drill logs.**

An earlier series of diamond holes drilled by Garrick Agnew Pty Ltd[11] do list percentages for sulphides, but do not distinguish between different sulphide types, except to note the presence of chalcopyrite and molybdenite (presumably as opposed to the iron sulphides pyrite/pyrrhotite). Examples of sulphide and rock descriptions in this series of hole logs are:

- CC259, 106.44 – 106.77 metres downhole: "Plag(ioclase) gabbro and 1 green vein and qtz vein. Mag(netite) low. Plag(ioclase) 70% GS 2 – 6 mm chalcopyrite 0.5%"
- CC259, 107.17 – 108.87 metres downhole: "Plag(ioclase) gabbro. Pyrite 0.3%. Mag(netite) low. Plag(ioclase) 50 – 70% GS 2 – 10 mm. Chalcopyrite 0.3% Numerous green veins and patches, loc(alised) sulphide veins".
- CC259, 119.08 – 119.18 metres downhole: "Plag(ioclase) band – chalcopyrite rich".
- CD03, 38.95 – 39.41 metres downhole: "Green and mag(netic). Mag(netite) 15 – 20% GS 1 – 2 mm Plag(ioclase) 0 – 5%. Green 70 – 85% Sulphides 5%". (author note: sulphides presumed to be pyrite/pyrrhotite)
- CD03, 152.86 – 154.08 metres downhole: "Gabbro – numerous green veins – 3 plag(ioclase) bands 5.1 – 7.6 cm (thick), 1 x 1.3 cm chalco(pyrite) vein.

[11] See WAMEX items A1940 and A3142 for copies of Garrick Agnew Pty Ltd historical drilling geology logs

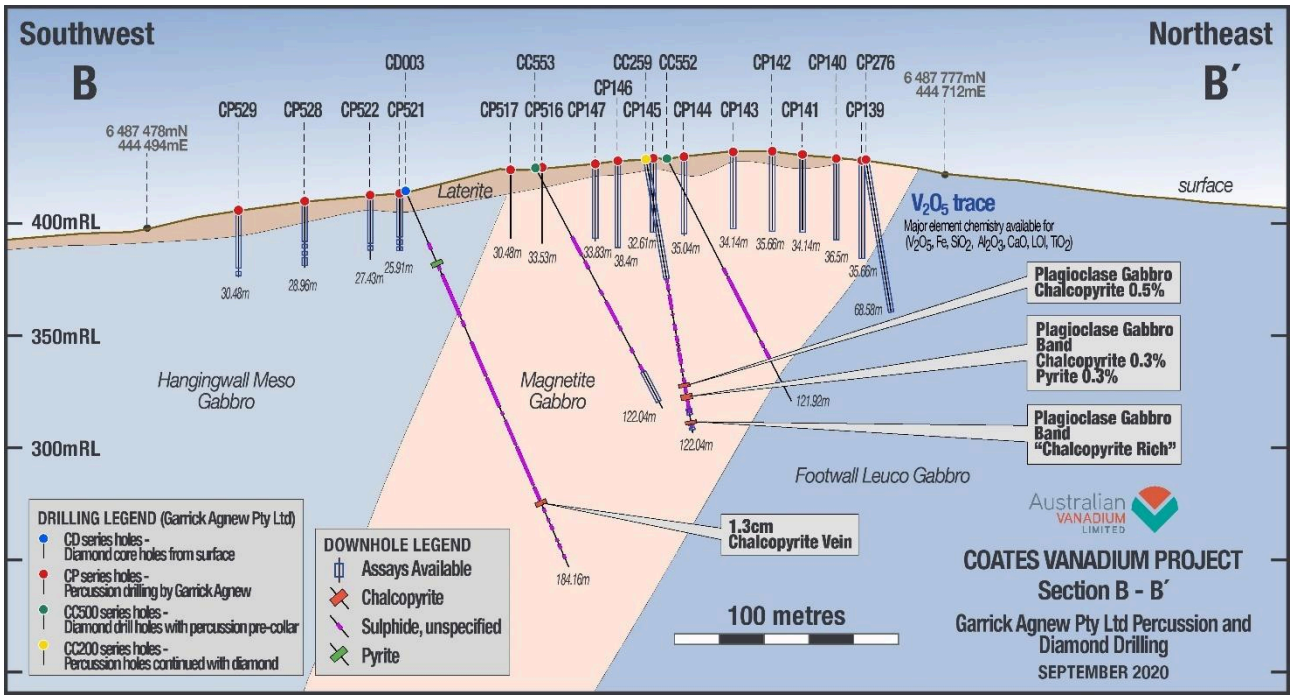

Figure 8 **Cross section B - B' showing CD03, CC553, CC259 and CC552 from diamond holes by Garrick Agnew Pty Ltd with logged sulphides. "Sulphide, unspecified" and "Pyrite" are generally less than 0.5 percent of rock mass.**

FORTHCOMING FIELDWORK

The Company has an approved Programme of Works to undertake sampling and drilling within the Vacant Crown Land portion of its holding at Coates (km^2) and will be commencing exploration in the summer.

The Companies (AVL, LIT and Mercator) are working together to gain statutory approvals for the remaining areas prior to commencing field work, including development of a conservation management plan and land-owner access agreements.

Field work over the remaining areas will then commence. LIT has completed early magnetic inversion modelling of available state aeromagnetic data to determine the extent of proposed soil geochemistry and geological mapping programmes.

Rapid turn-around Ni, Cu and Cr analyses of soil samples by a portable XRF will be followed by precious metals (Au, Pd and Pt) analysis by a commercial laboratory.

Resulting nickel geochemical targets will be surveyed using moving loop electromagnetic equipment (MLEM), to detect conductive rock-types, which may include nickel sulphides.

Conductive targets will then be ranked for priority to be drilled once statutory approvals are acquired.

For further information, please contact:

Vincent Algar, Managing Director +61 8 9321 5594

This announcement has been approved in accordance with the Company's published continuous disclosure policy and has been approved by the Board.

ABOUT AUSTRALIAN VANADIUM

AVL is an Australian owned resource company focused on production of high value vanadium products in Australia. AVL is seeking to offer investors a unique exposure to all aspects of the vanadium value chain – from resource through to steel and energy storage opportunities. AVL is advancing the development of its world-class Australian Vanadium Project and intends to produce a value-added vanadium product in Australia prior to sale to steel, battery and specialty chemical customers.

The Australian Vanadium Project is currently one of the highest-grade vanadium projects being advanced globally, with 208.2Mt at 0.74% vanadium pentoxide (V_2O_5) and containing a high-grade zone of 87.9Mt at 1.06% V_2O_5 reported in compliance with the JORC Code 2012 (see ASX announcement dated 4th March 2020 '*Total Vanadium Resource at The Australian Vanadium Project Rises to 208 Million Tonnes*').

The Australian Federal Government awarded the Australian Vanadium Project 'Major Project Status' in September 2019. The Western Australian State Government awarded the Australian Vanadium Project 'Lead Agency Status' in April 2020.

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

AVL has developed a local production capability for high-purity vanadium electrolyte, which forms a key component of vanadium redox flow batteries (VRFB). AVL, through its 100% owned subsidiary VSUN Energy Pty Ltd, is actively marketing VRFB in Australia.

COMPETENT PERSON STATEMENT – EXPLORATION STRATEGY

The information in this statement that relates to Exploration Results is based on information compiled by independent consulting geologist Brian Davis BSc DipEd who is a Member of The Australian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists and is employed by Geologica Pty Ltd. Brian Davis has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which is 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 Davis consents to the inclusion in the report of the matters based on the information made available to him, in the form and context in which it appears.

FORWARD LOOKING STATEMENTS

This announcement may contain certain "forward looking statements" which may not have been based solely on historical facts, but rather may be based on the Company's current expectations about future events and results. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. However, forward looking statements are subject to risks, uncertainties, assumptions and other factors which could cause actual results to differ materially from future results expressed, projected or implied by such forward looking statements. Such risks include, but are not limited to Resource risk, metal price volatility, currency fluctuations, increased production costs and variances in ore grade or recovery rates from those assumed in mining plans, as well as political and operational risks in the countries and states in which we sell our product to, and government regulation and judicial outcomes. For more detailed discussion of such risks and other factors, see the Company's Annual Reports, as well as the Company's other filings. Readers should not place undue reliance on forward looking information. The Company does not undertake any obligation to release publicly any revisions to any "forward looking statement" to reflect events or circumstances after the date of this announcement, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws.

APPENDIX 1

Coates Project Historic Drill Collars in MGA94 Zone 50 Co-ordinates (All historic measurements in feet have been converted to metres)

RCDT = percussion pre-collar, diamond tail; DDH = diamond hole from surface; RC = percussion hole.

HOLE ID	EAST	NORTH	RL	Depth m	Drill Type	Pre-collar Depth m	Company	Year	Dip	Azimuth
CC257	444,733	6,487,604	426.1	122.01	RCDT	78.7	Garrick Agnew	1971	-80	34
CC259	444,626	6,487,669	422.3	122.04	RCDT	53.34	Garrick Agnew	1971	-80	34
CC262	444,706	6,487,563	419.7	122.26	RCDT	71.26	Garrick Agnew	1971	-80	34
CC267	444,539	6,487,756	425	122.53	RCDT	63.09	Garrick Agnew	1971	-80	34
CC269	445,170	6,487,273	438	123.14	RCDT	83.82	Garrick Agnew	1971	-80	34
CC504	445,389	6,487,163	446.2	122.04	RCDT	71.93	Garrick Agnew	1971	-80	34
CC505	444,518	6,487,726	411.8	122.07	RCDT	55.78	Garrick Agnew	1971	-80	34
CC509	444,338	6,487,895	431.3	123.23	RCDT	91.74	Garrick Agnew	1971	-80	34
CC513	444,914	6,487,446	435.3	122.01	DDH		Garrick Agnew	1971	-80	34
CC551	444,397	6,487,763	417.6	133.5	DDH		Garrick Agnew	1971	-60	34
CC552	444,633	6,487,676	423.7	121.92	DDH		Garrick Agnew	1971	-60	34
CC553	444,599	6,487,626	414.5	122.04	DDH		Garrick Agnew	1971	-60	34
CC554	444,859	6,487,577	434.5	78.03	DDH		Garrick Agnew	1971	-60	34
CC555	444,825	6,487,527	429.3	123.14	DDH		Garrick Agnew	1971	-60	34
CC556	445,296	6,487,244	444.1	123.14	DDH		Garrick Agnew	1971	-60	34
CC557	445,354	6,487,113	436.7	123.14	DDH		Garrick Agnew	1971	-60	34
CC558	444,212	6,487,925	423.1	123.14	DDH		Garrick Agnew	1971	-60	34
CC559	444,363	6,487,713	407.7	146.61	DDH		Garrick Agnew	1971	-60	34
CD001	444,311	6,487,855	425.5	121.92	DDH		Garrick Agnew	1971	-70	34
CD002	444,788	6,487,479	422	184.1	DDH		Garrick Agnew	1971	-60	34
CD003	444,564	6,487,577	407.2	184.16	DDH		Garrick Agnew	1971	-60	34
CD004	444,328	6,487,662	396.2	182.88	DDH		Garrick Agnew	1971	-60	34
CD005	444,144	6,487,826	394.4	184.71	DDH		Garrick Agnew	1971	-60	34
CD006	444,178	6,487,876	409.7	121.92	DDH		Garrick Agnew	1971	-60	34
CD007	445,209	6,487,333	440.1	124.66	DDH		Garrick Agnew	1971	-60	34
CP001	444,312	6,487,854	425.4	121.92	RC		Garrick Agnew	1971	-70	34
CP002	444,293	6,487,830	419.9	121.92	RC		Garrick Agnew	1971	-70	34
CP003	444,292	6,487,829	419.6	121.92	RC		Garrick Agnew	1971	-90	0
CP004	444,241	6,487,857	417.5	121.92	RC		Garrick Agnew	1971	-90	0
CP005	444,188	6,487,899	415	27.43	RC		Garrick Agnew	1971	-90	0
CP006	444,150	6,487,927	412.7	34.44	RC		Garrick Agnew	1971	-90	0
CP007	444,228	6,487,838	412.5	24.08	RC		Garrick Agnew	1971	-90	0

HOLE ID	EAST	NORTH	RL	Depth m	Drill Type	Pre-collar Depth m	Company	Year	Dip	Azimuth
CP008	444,172	6,487,860	407	121.92	RC		Garrick Agnew	1971	-90	0
CP009	444,128	6,487,905	404.7	35.36	RC		Garrick Agnew	1971	-90	0
CP010	444,416	6,487,898	430.5	24.38	RC		Garrick Agnew	1971	-90	0
CP011	444,426	6,487,910	430.2	18.9	RC		Garrick Agnew	1971	-90	0
CP012	444,406	6,487,885	430.7	25.91	RC		Garrick Agnew	1971	-90	0
CP013	444,399	6,487,869	430.2	20.73	RC		Garrick Agnew	1971	-90	0
CP014	444,388	6,487,858	429.3	16.15	RC		Garrick Agnew	1971	-90	0
CP015	444,382	6,487,845	428.1	17.68	RC		Garrick Agnew	1971	-90	0
CP016	444,369	6,487,832	424.6	21.95	RC		Garrick Agnew	1971	-90	0
CP017	444,362	6,487,820	424.2	24.38	RC		Garrick Agnew	1971	-90	0
CP018	444,353	6,487,807	421.5	25.91	RC		Garrick Agnew	1971	-90	0
CP019	444,317	6,487,968	432	21.34	RC		Garrick Agnew	1971	-90	0
CP020	444,307	6,487,953	432.2	24.08	RC		Garrick Agnew	1971	-90	0
CP021	444,300	6,487,939	432.2	28.04	RC		Garrick Agnew	1971	-90	0
CP022	444,291	6,487,927	431.4	28.35	RC		Garrick Agnew	1971	-90	0
CP023	444,284	6,487,913	430.1	28.35	RC		Garrick Agnew	1971	-90	0
CP024	444,264	6,487,889	425.3	28.35	RC		Garrick Agnew	1971	-90	0
CP025	444,524	6,487,841	428.8	33.53	RC		Garrick Agnew	1971	-90	0
CP026	444,517	6,487,829	428.9	32	RC		Garrick Agnew	1971	-90	0
CP027	444,506	6,487,816	428.5	35.66	RC		Garrick Agnew	1971	-90	0
CP028	444,494	6,487,802	427.5	33.53	RC		Garrick Agnew	1971	-90	0
CP029	444,492	6,487,788	426.5	35.05	RC		Garrick Agnew	1971	-90	0
CP030	444,484	6,487,775	424.9	32.61	RC		Garrick Agnew	1971	-90	0
CP031	444,474	6,487,761	426	31.09	RC		Garrick Agnew	1971	-90	0
CP032	444,635	6,487,785	429.1	39.32	RC		Garrick Agnew	1971	-90	0
CP033	444,626	6,487,774	429.3	38.71	RC		Garrick Agnew	1971	-90	0
CP034	444,613	6,487,762	428.8	38.71	RC		Garrick Agnew	1971	-90	0
CP035	444,607	6,487,749	427.8	38.1	RC		Garrick Agnew	1971	-90	0
CP036	444,595	6,487,730	425.3	37.19	RC		Garrick Agnew	1971	-90	0
CP037	444,588	6,487,720	423.8	37.49	RC		Garrick Agnew	1971	-90	0
CP038	444,727	6,487,705	428.5	34.44	RC		Garrick Agnew	1971	-90	0
CP039	444,720	6,487,690	428.8	35.66	RC		Garrick Agnew	1971	-90	0
CP040	444,707	6,487,681	428.5	35.66	RC		Garrick Agnew	1971	-90	0
CP041	444,695	6,487,666	427.4	32.61	RC		Garrick Agnew	1971	-90	0
CP042	444,690	6,487,653	426.1	34.14	RC		Garrick Agnew	1971	-90	0
CP043	444,677	6,487,636	423.9	32.61	RC		Garrick Agnew	1971	-90	0
CP044	444,832	6,487,630	431.4	31.09	RC		Garrick Agnew	1971	-90	0

HOLE ID	EAST	NORTH	RL	Depth m	Drill Type	Pre-collar Depth m	Company	Year	Dip	Azimuth
CP045	444,823	6,487,623	431.6	31.7	RC		Garrick Agnew	1971	-90	0
CP046	444,809	6,487,610	431.4	32	RC		Garrick Agnew	1971	-90	0
CP047	444,804	6,487,599	431.2	27.43	RC		Garrick Agnew	1971	-90	0
CP048	444,792	6,487,578	429.4	28.96	RC		Garrick Agnew	1971	-90	0
CP049	444,783	6,487,570	428.2	27.43	RC		Garrick Agnew	1971	-90	0
CP050	444,924	6,487,564	439.4	42.98	RC		Garrick Agnew	1971	-90	0
CP051	444,912	6,487,559	439.1	42.06	RC		Garrick Agnew	1971	-90	0
CP052	444,910	6,487,543	438	35.97	RC		Garrick Agnew	1971	-90	0
CP053	444,900	6,487,527	438.2	39.62	RC		Garrick Agnew	1971	-90	0
CP054	444,886	6,487,502	435.7	39.01	RC		Garrick Agnew	1971	-90	0
CP055	444,890	6,487,516	436.9	39.01	RC		Garrick Agnew	1971	-90	0
CP056	444,875	6,487,489	433.5	34.75	RC		Garrick Agnew	1971	-90	0
CP057	445,024	6,487,502	443.5	31.09	RC		Garrick Agnew	1971	-90	0
CP058	445,016	6,487,487	444.3	33.53	RC		Garrick Agnew	1971	-90	0
CP059	445,009	6,487,476	444.4	28.96	RC		Garrick Agnew	1971	-90	0
CP060	444,999	6,487,459	443.9	35.66	RC		Garrick Agnew	1971	-90	0
CP061	444,992	6,487,445	442.8	34.44	RC		Garrick Agnew	1971	-90	0
CP062	444,982	6,487,435	441.2	32.92	RC		Garrick Agnew	1971	-90	0
CP063	444,975	6,487,422	439.2	34.14	RC		Garrick Agnew	1971	-90	0
CP064	445,131	6,487,430	441.5	21.95	RC		Garrick Agnew	1971	-90	0
CP065	445,119	6,487,419	441	12.5	RC		Garrick Agnew	1971	-90	0
CP066	445,115	6,487,404	440.7	13.72	RC		Garrick Agnew	1971	-90	0
CP067	445,100	6,487,392	440	22.25	RC		Garrick Agnew	1971	-90	0
CP068	445,098	6,487,379	439.6	21.34	RC		Garrick Agnew	1971	-90	0
CP069	445,083	6,487,370	438.6	23.16	RC		Garrick Agnew	1971	-90	0
CP070	445,076	6,487,356	437.1	21.03	RC		Garrick Agnew	1971	-90	0
CP071	445,177	6,487,287	439	20.12	RC		Garrick Agnew	1971	-90	0
CP072	445,184	6,487,300	439.6	21.34	RC		Garrick Agnew	1971	-90	0
CP073	445,192	6,487,312	440	18	RC		Garrick Agnew	1971	-90	0
CP074	445,200	6,487,325	440.5	16.76	RC		Garrick Agnew	1971	-90	0
CP075	445,211	6,487,339	441	20.12	RC		Garrick Agnew	1971	-90	0
CP076	445,312	6,487,273	445.6	33.83	RC		Garrick Agnew	1971	-90	0
CP077	445,302	6,487,258	444.5	33.53	RC		Garrick Agnew	1971	-90	0
CP078	445,298	6,487,242	444.1	41	RC		Garrick Agnew	1971	-90	0
CP079	445,286	6,487,229	442.7	28.65	RC		Garrick Agnew	1971	-90	0
CP080	445,279	6,487,217	441.6	24.38	RC		Garrick Agnew	1971	-90	0
CP081	445,271	6,487,204	440.5	24.38	RC		Garrick Agnew	1971	-90	0

HOLE ID	EAST	NORTH	RL	Depth m	Drill Type	Pre-collar Depth m	Company	Year	Dip	Azimuth
CP082	445,264	6,487,191	439.3	21.34	RC		Garrick Agnew	1971	-90	0
CP083	445,406	6,487,188	445	29.87	RC		Garrick Agnew	1971	-90	0
CP084	445,398	6,487,172	443.8	26.21	RC		Garrick Agnew	1971	-90	0
CP085	445,388	6,487,159	442.9	26.21	RC		Garrick Agnew	1971	-90	0
CP086	445,378	6,487,150	442.3	26.82	RC		Garrick Agnew	1971	-90	0
CP087	445,371	6,487,134	440.7	23.77	RC		Garrick Agnew	1971	-90	0
CP088	445,316	6,487,156	439	17.37	RC		Garrick Agnew	1971	-90	0
CP089	445,320	6,487,169	440.7	21.34	RC		Garrick Agnew	1971	-90	0
CP090	445,327	6,487,185	442.8	30.48	RC		Garrick Agnew	1971	-90	0
CP091	445,337	6,487,195	443.9	31.39	RC		Garrick Agnew	1971	-90	0
CP092	445,348	6,487,211	445.3	28.35	RC		Garrick Agnew	1971	-90	0
CP093	445,356	6,487,224	446.1	27.13	RC		Garrick Agnew	1971	-90	0
CP094	445,366	6,487,236	446.2	40.84	RC		Garrick Agnew	1971	-90	0
CP095	445,263	6,487,305	441.9	24.99	RC		Garrick Agnew	1971	-90	0
CP096	445,253	6,487,288	441.3	18.29	RC		Garrick Agnew	1971	-90	0
CP097	445,247	6,487,279	441.2	19.81	RC		Garrick Agnew	1971	-90	0
CP098	445,234	6,487,265	440.7	17.98	RC		Garrick Agnew	1971	-90	0
CP099	445,235	6,487,250	440.5	20.42	RC		Garrick Agnew	1971	-90	0
CP100	445,218	6,487,240	439.1	18.9	RC		Garrick Agnew	1971	-90	0
CP101	445,135	6,487,336	438.1	11.89	RC		Garrick Agnew	1971	-90	0
CP102	445,150	6,487,346	439.6	17.07	RC		Garrick Agnew	1971	-90	0
CP103	445,156	6,487,358	440.3	19	RC		Garrick Agnew	1971	-90	0
CP104	445,167	6,487,370	441.1	21.34	RC		Garrick Agnew	1971	-90	0
CP105	445,174	6,487,383	441.3	21.64	RC		Garrick Agnew	1971	-90	0
CP106	445,069	6,487,452	442.1	25.3	RC		Garrick Agnew	1971	-90	0
CP107	445,058	6,487,440	442.2	26.52	RC		Garrick Agnew	1971	-90	0
CP108	445,076	6,487,463	441.4	22.86	RC		Garrick Agnew	1971	-90	0
CP109	445,084	6,487,476	440.8	18.9	RC		Garrick Agnew	1971	-90	0
CP110	445,049	6,487,424	441.6	28.35	RC		Garrick Agnew	1971	-90	0
CP111	445,045	6,487,411	440.7	26.52	RC		Garrick Agnew	1971	-90	0
CP112	445,035	6,487,399	439.2	28.35	RC		Garrick Agnew	1971	-90	0
CP113	445,024	6,487,389	437.8	28.96	RC		Garrick Agnew	1971	-90	0
CP114	444,987	6,487,543	442.8	40.23	RC		Garrick Agnew	1971	-90	0
CP115	444,980	6,487,532	443.2	42.67	RC		Garrick Agnew	1971	-90	0
CP116	444,973	6,487,524	443	41.15	RC		Garrick Agnew	1971	-90	0
CP117	444,956	6,487,503	442.8	39.01	RC		Garrick Agnew	1971	-90	0
CP118	444,949	6,487,491	442.5	41.76	RC		Garrick Agnew	1971	-90	0

HOLE ID	EAST	NORTH	RL	Depth m	Drill Type	Pre-collar Depth m	Company	Year	Dip	Azimuth
CP119	444,938	6,487,477	440.9	38.71	RC		Garrick Agnew	1971	-80	34
CP120	444,932	6,487,465	439.9	42.98	RC		Garrick Agnew	1971	-90	0
CP121	444,889	6,487,614	432.9	38.1	RC		Garrick Agnew	1971	-90	0
CP122	444,881	6,487,605	433.3	38.71	RC		Garrick Agnew	1971	-90	0
CP123	444,868	6,487,592	434	37.19	RC		Garrick Agnew	1971	-90	0
CP124	444,859	6,487,577	434.4	30.48	RC		Garrick Agnew	1971	-90	0
CP125	444,846	6,487,568	433.6	29.87	RC		Garrick Agnew	1971	-90	0
CP126	444,839	6,487,550	432.2	29.57	RC		Garrick Agnew	1971	-90	0
CP127	444,831	6,487,537	430.4	29.87	RC		Garrick Agnew	1971	-90	0
CP128	444,823	6,487,525	429	29.26	RC		Garrick Agnew	1971	-90	0
CP129	444,815	6,487,520	427.7	24.69	RC		Garrick Agnew	1971	-90	0
CP130	444,713	6,487,583	422.6	24.99	RC		Garrick Agnew	1971	-90	0
CP131	444,725	6,487,594	424.4	28.04	RC		Garrick Agnew	1971	-90	0
CP132	444,736	6,487,605	426.3	29.26	RC		Garrick Agnew	1971	-90	0
CP133	444,741	6,487,618	427.5	30.5	RC		Garrick Agnew	1971	-90	0
CP134	444,752	6,487,630	428.9	29.87	RC		Garrick Agnew	1971	-90	0
CP135	444,759	6,487,647	429.6	29.87	RC		Garrick Agnew	1971	-90	0
CP136	444,770	6,487,659	429.7	29	RC		Garrick Agnew	1971	-90	0
CP137	444,777	6,487,668	429.7	30.2	RC		Garrick Agnew	1971	-90	0
CP138	444,786	6,487,677	429	29	RC		Garrick Agnew	1971	-90	0
CP139	444,681	6,487,754	428.3	35.66	RC		Garrick Agnew	1971	-90	0
CP140	444,675	6,487,743	428.7	36.5	RC		Garrick Agnew	1971	-90	0
CP141	444,667	6,487,730	428.7	34.14	RC		Garrick Agnew	1971	-90	0
CP142	444,660	6,487,717	428.3	35.66	RC		Garrick Agnew	1971	-90	0
CP143	444,649	6,487,703	427.2	34.14	RC		Garrick Agnew	1971	-90	0
CP144	444,637	6,487,683	424.6	35.05	RC		Garrick Agnew	1971	-90	0
CP145	444,629	6,487,671	422.8	32.61	RC		Garrick Agnew	1971	-90	0
CP146	444,619	6,487,659	420.5	38.4	RC		Garrick Agnew	1971	-90	0
CP147	444,613	6,487,650	419.1	33.83	RC		Garrick Agnew	1971	-90	0
CP148	444,586	6,487,818	429.4	40.84	RC		Garrick Agnew	1971	-90	0
CP149	444,577	6,487,806	429.3	40.84	RC		Garrick Agnew	1971	-90	0
CP150	444,570	6,487,794	428.8	38.4	RC		Garrick Agnew	1971	-90	0
CP151	444,561	6,487,779	427.8	36.88	RC		Garrick Agnew	1971	-90	0
CP152	444,547	6,487,771	426.7	33.22	RC		Garrick Agnew	1971	-90	0
CP153	444,538	6,487,757	425	32.31	RC		Garrick Agnew	1971	-90	0
CP154	444,528	6,487,742	423.2	30.48	RC		Garrick Agnew	1971	-90	0
CP155	444,523	6,487,732	422	32	RC		Garrick Agnew	1971	-90	0

HOLE ID	EAST	NORTH	RL	Depth m	Drill Type	Pre-collar Depth m	Company	Year	Dip	Azimuth
CP156	444,488	6,487,889	428.4	31.7	RC		Garrick Agnew	1971	-90	0
CP157	444,469	6,487,880	429.4	30.48	RC		Garrick Agnew	1971	-90	0
CP158	444,460	6,487,862	429.7	30.48	RC		Garrick Agnew	1971	-90	0
CP159	444,456	6,487,849	429.3	30	RC		Garrick Agnew	1971	-90	0
CP160	444,446	6,487,837	428.7	28.35	RC		Garrick Agnew	1971	-90	0
CP161	444,437	6,487,822	427.4	28.1	RC		Garrick Agnew	1971	-90	0
CP162	444,426	6,487,810	425.6	24.38	RC		Garrick Agnew	1971	-90	0
CP163	444,420	6,487,798	424	20.73	RC		Garrick Agnew	1971	-90	0
CP164	444,413	6,487,782	422.1	15.54	RC		Garrick Agnew	1971	-90	0
CP165	444,406	6,487,774	420	18.29	RC		Garrick Agnew	1971	-90	0
CP166	444,377	6,487,958	430.9	16.46	RC		Garrick Agnew	1971	-90	0
CP167	444,375	6,487,943	431.6	21.34	RC		Garrick Agnew	1971	-90	0
CP168	444,365	6,487,930	431.9	19.81	RC		Garrick Agnew	1971	-90	0
CP169	444,351	6,487,918	432.5	27.13	RC		Garrick Agnew	1971	-90	0
CP170	444,344	6,487,907	432.2	28.65	RC		Garrick Agnew	1971	-90	0
CP171	444,337	6,487,897	431.7	27.13	RC		Garrick Agnew	1971	-90	0
CP172	444,330	6,487,883	430.3	28.35	RC		Garrick Agnew	1971	-90	0
CP173	444,274	6,488,015	430.7	20.73	RC		Garrick Agnew	1971	-90	0
CP174	444,265	6,488,000	430.8	17.68	RC		Garrick Agnew	1971	-90	0
CP175	444,254	6,487,981	430.9	23.77	RC		Garrick Agnew	1971	-90	0
CP176	444,245	6,487,969	430.5	27.13	RC		Garrick Agnew	1971	-90	0
CP177	444,536	6,487,854	428.6	40.23	RC		Garrick Agnew	1971	-90	0
CP178	444,541	6,487,866	428.1	39.62	RC		Garrick Agnew	1971	-90	0
CP179	444,594	6,487,830	428.9	32.5	RC		Garrick Agnew	1971	-90	0
CP180	444,601	6,487,845	428	36.3	RC		Garrick Agnew	1971	-90	0
CP181	444,648	6,487,804	427	31.09	RC		Garrick Agnew	1971	-90	0
CP182	444,583	6,487,710	422.5	32	RC		Garrick Agnew	1971	-90	0
CP183	444,572	6,487,697	421.5	35.97	RC		Garrick Agnew	1971	-90	0
CP184	445,378	6,487,249	445.7	39.62	RC		Garrick Agnew	1971	-90	0
CP185	445,386	6,487,261	445.2	45.11	RC		Garrick Agnew	1971	-90	0
CP186	445,394	6,487,278	443.6	49.38	RC		Garrick Agnew	1971	-90	0
CP187	445,402	6,487,289	441.4	46.94	RC		Garrick Agnew	1971	-90	0
CP188	445,414	6,487,201	446.5	32.92	RC		Garrick Agnew	1971	-90	0
CP189	445,436	6,487,235	439.5	39.32	RC		Garrick Agnew	1971	-90	0
CP190	445,452	6,487,246	436.7	42.06	RC		Garrick Agnew	1971	-90	0
CP191	445,458	6,487,267	434.3	40.3	RC		Garrick Agnew	1971	-90	0
CP192	445,414	6,487,202	443.5	32.92	RC		Garrick Agnew	1971	-90	0

HOLE ID	EAST	NORTH	RL	Depth m	Drill Type	Pre-collar Depth m	Company	Year	Dip	Azimuth
CP193	445,320	6,487,281	445.5	41.15	RC		Garrick Agnew	1971	-90	0
CP194	445,330	6,487,296	446.6	39.01	RC		Garrick Agnew	1971	-90	0
CP195	445,331	6,487,316	444.8	34.14	RC		Garrick Agnew	1971	-90	0
CP196	445,352	6,487,325	443.6	45.72	RC		Garrick Agnew	1971	-90	0
CP197	445,268	6,487,319	442.3	24.38	RC		Garrick Agnew	1971	-90	0
CP198	445,273	6,487,328	442.8	33.53	RC		Garrick Agnew	1971	-90	0
CP199	445,284	6,487,340	443.1	30.48	RC		Garrick Agnew	1971	-90	0
CP200	445,296	6,487,351	443.3	18.59	RC		Garrick Agnew	1971	-90	0
CP201	445,233	6,487,376	441.1	24.69	RC		Garrick Agnew	1971	-90	0
CP202	445,246	6,487,390	441.2	29.26	RC		Garrick Agnew	1971	-90	0
CP203	445,230	6,487,363	441.2	24.69	RC		Garrick Agnew	1971	-90	0
CP204	445,182	6,487,398	441.4	21.64	RC		Garrick Agnew	1971	-90	0
CP205	445,194	6,487,415	441	25.3	RC		Garrick Agnew	1971	-90	0
CP206	445,204	6,487,434	440	21.64	RC		Garrick Agnew	1971	-90	0
CP207	445,223	6,487,352	441.2	23.77	RC		Garrick Agnew	1971	-90	0
CP208	445,142	6,487,448	441	20.42	RC		Garrick Agnew	1971	-90	0
CP209	445,093	6,487,492	439.6	14.63	RC		Garrick Agnew	1971	-90	0
CP210	445,150	6,487,466	439.8	20.42	RC		Garrick Agnew	1971	-90	0
CP211	445,124	6,487,325	437.2	14.02	RC		Garrick Agnew	1971	-90	0
CP212	445,066	6,487,343	435.5	121.92	RC		Garrick Agnew	1971	-90	0
CP213	445,018	6,487,376	437.8	24.38	RC		Garrick Agnew	1971	-90	0
CP214	444,660	6,487,601	419.3	31.39	RC		Garrick Agnew	1971	-90	0
CP215	444,671	6,487,616	421.7	18.29	RC		Garrick Agnew	1971	-90	0
CP216	444,674	6,487,630	422.8	21.34	RC		Garrick Agnew	1971	-90	0
CP217	444,514	6,487,720	423.7	29.87	RC		Garrick Agnew	1971	-90	0
CP218	445,119	6,487,308	435.9	14.02	RC		Garrick Agnew	1971	-90	0
CP219	444,936	6,487,576	438.5	42.37	RC		Garrick Agnew	1971	-90	0
CP220	444,943	6,487,594	437.4	42.37	RC		Garrick Agnew	1971	-90	0
CP221	444,775	6,487,560	426.8	25.6	RC		Garrick Agnew	1971	-90	0
CP222	444,763	6,487,547	424.7	25.3	RC		Garrick Agnew	1971	-90	0
CP223	444,504	6,487,711	418.2	17.68	RC		Garrick Agnew	1971	-90	0
CP224	444,496	6,487,699	415.5	26.52	RC		Garrick Agnew	1971	-90	0
CP225	444,487	6,487,687	413.4	121.92	RC		Garrick Agnew	1971	-90	0
CP226	444,479	6,487,671	411.1	21.03	RC		Garrick Agnew	1971	-90	0
CP227	444,468	6,487,755	421.9	29.57	RC		Garrick Agnew	1971	-90	0
CP228	444,459	6,487,743	419.5	27.13	RC		Garrick Agnew	1971	-90	0
CP229	444,449	6,487,731	416.9	22.25	RC		Garrick Agnew	1971	-90	0

HOLE ID	EAST	NORTH	RL	Depth m	Drill Type	Pre-collar Depth m	Company	Year	Dip	Azimuth
CP230	444,442	6,487,720	414.7	20.42	RC		Garrick Agnew	1971	-90	0
CP231	444,434	6,487,708	412	16.76	RC		Garrick Agnew	1971	-90	0
CP232	444,391	6,487,764	417.6	21.34	RC		Garrick Agnew	1971	-90	0
CP233	444,386	6,487,751	415.2	22.56	RC		Garrick Agnew	1971	-90	0
CP234	444,380	6,487,744	413.6	27.2	RC		Garrick Agnew	1971	-90	0
CP235	444,351	6,487,795	419.4	27.5	RC		Garrick Agnew	1971	-90	0
CP236	444,340	6,487,784	417.1	27.2	RC		Garrick Agnew	1971	-90	0
CP237	444,334	6,487,774	415.1	25.6	RC		Garrick Agnew	1971	-90	0
CP238	444,324	6,487,873	429	28.04	RC		Garrick Agnew	1971	-90	0
CP239	444,160	6,487,962	419.4	37.8	RC		Garrick Agnew	1971	-90	0
CP240	444,183	6,487,991	423.7	35.05	RC		Garrick Agnew	1971	-90	0
CP241	444,190	6,488,005	423.7	32	RC		Garrick Agnew	1971	-90	0
CP242	444,214	6,487,924	422.9	29.57	RC		Garrick Agnew	1971	-90	0
CP243	444,240	6,487,958	428.1	27.13	RC		Garrick Agnew	1971	-90	0
CP244	444,275	6,487,811	414.8	21.34	RC		Garrick Agnew	1971	-90	0
CP245	444,121	6,487,892	400.9	56.39	RC		Garrick Agnew	1971	-90	0
CP246	444,165	6,487,863	404.9	121.92	RC		Garrick Agnew	1971	-90	0
CP247	444,216	6,487,833	409.9	22.25	RC		Garrick Agnew	1971	-90	0
CP248	444,154	6,487,850	400.7	25.91	RC		Garrick Agnew	1971	-90	0
CP249	444,107	6,487,883	396	30.48	RC		Garrick Agnew	1971	-90	0
CP250	444,274	6,487,796	412.4	24.69	RC		Garrick Agnew	1971	-90	0
CP251	444,271	6,487,796	411.8	24.69	RC		Garrick Agnew	1971	-90	0
CP252	444,204	6,487,820	405.6	22.25	RC		Garrick Agnew	1971	-90	0
CP253	445,101	6,487,390	439.9	102.11	RC		Garrick Agnew	1971	-80	34
CP254	445,027	6,487,389	437.9	121.92	RC		Garrick Agnew	1971	-80	34
CP255	444,937	6,487,474	440.6	121.92	RC		Garrick Agnew	1971	-80	34
CP256	444,828	6,487,536	430.3	112.78	RC		Garrick Agnew	1971	-80	34
CP258	445,193	6,487,310	440	121.92	RC		Garrick Agnew	1971	-80	34
CP260	444,412	6,487,783	421.6	99.06	RC		Garrick Agnew	1971	-80	34
CP261	444,755	6,487,647	429.5	96.01	RC		Garrick Agnew	1971	-80	34
CP263	444,114	6,488,003	409.2	60.96	RC		Garrick Agnew	1971	-90	0
CP264	444,130	6,488,030	411.2	28.35	RC		Garrick Agnew	1971	-90	0
CP265	444,367	6,487,938	431.3	121.92	RC		Garrick Agnew	1971	-80	34
CP266	444,572	6,487,797	429	115.82	RC		Garrick Agnew	1971	-80	34
CP268	444,963	6,487,516	442.8	64.01	RC		Garrick Agnew	1971	-80	34
CP269	445,170	6,487,273	438	83.82	RC		Garrick Agnew	1971	-80	34
CP270	445,337	6,487,312	444.9	60.96	RC		Garrick Agnew	1971	-80	34

HOLE ID	EAST	NORTH	RL	Depth m	Drill Type	Pre-collar Depth m	Company	Year	Dip	Azimuth
CP271	445,076	6,487,464	441.6	36.58	RC		Garrick Agnew	1971	-80	34
CP272	444,888	6,487,615	432.8	85.34	RC		Garrick Agnew	1971	-80	34
CP273	444,809	6,487,505	425.9	33.53	RC		Garrick Agnew	1971	-90	0
CP274	444,801	6,487,493	423.7	27.43	RC		Garrick Agnew	1971	-90	0
CP275	444,791	6,487,477	423.4	4.57	RC		Garrick Agnew	1971	-90	0
CP276	444,683	6,487,753	428.3	68.58	RC		Garrick Agnew	1971	-80	34
CP277	444,483	6,487,886	428.6	91.44	RC		Garrick Agnew	1971	-80	34
CP278	444,472	6,487,663	409.3	27.43	RC		Garrick Agnew	1971	-90	0
CP279	444,461	6,487,648	406.4	28.96	RC		Garrick Agnew	1971	-90	0
CP280	444,523	6,487,625	409	30.48	RC		Garrick Agnew	1971	-90	0
CP281	444,511	6,487,610	406.6	28.96	RC		Garrick Agnew	1971	-90	0
CP282	444,682	6,487,532	414.8	38.1	RC		Garrick Agnew	1971	-80	34
CP283	444,673	6,487,520	413.3	27.43	RC		Garrick Agnew	1971	-90	0
CP284	444,863	6,487,474	430.6	44.2	RC		Garrick Agnew	1971	-90	0
CP285	444,298	6,487,730	403.9	30.48	RC		Garrick Agnew	1971	-90	0
CP286	444,288	6,487,716	401	22.86	RC		Garrick Agnew	1971	-90	0
CP287	444,958	6,487,402	435.5	42.67	RC		Garrick Agnew	1971	-90	0
CP288	444,949	6,487,389	432.5	45.72	RC		Garrick Agnew	1971	-90	0
CP289	444,852	6,487,460	427.7	44.2	RC		Garrick Agnew	1971	-90	0
CP290	444,844	6,487,447	425.2	45.72	RC		Garrick Agnew	1971	-90	0
CP291	444,834	6,487,434	422.5	47.24	RC		Garrick Agnew	1971	-90	0
CP292	445,058	6,487,329	433.9	30.48	RC		Garrick Agnew	1971	-90	0
CP293	445,051	6,487,316	432.7	28.96	RC		Garrick Agnew	1971	-90	0
CP294	445,254	6,487,179	437.9	25.91	RC		Garrick Agnew	1971	-90	0
CP295	445,245	6,487,167	436.5	22.86	RC		Garrick Agnew	1971	-90	0
CP296	445,359	6,487,342	441.9	18.29	RC		Garrick Agnew	1971	-90	0
CP297	445,370	6,487,357	440	48.77	RC		Garrick Agnew	1971	-90	0
CP298	445,380	6,487,368	438.4	47.24	RC		Garrick Agnew	1971	-90	0
CP299	445,385	6,487,382	436.8	45.72	RC		Garrick Agnew	1971	-90	0
CP300	445,150	6,487,246	437.1	16.76	RC		Garrick Agnew	1971	-90	0
CP301	445,158	6,487,259	435.6	18.29	RC		Garrick Agnew	1971	-90	0
CP302	445,219	6,487,469	441.7	27.43	RC		Garrick Agnew	1971	-90	0
CP303	445,218	6,487,455	441.7	30.48	RC		Garrick Agnew	1971	-90	0
CP304	444,890	6,487,407	426.3	51.9	RC		Garrick Agnew	1971	-80	34
CP500	445,086	6,487,369	438.7	115.82	RC		Garrick Agnew	1971	-80	34
CP501	445,003	6,487,351	432.3	94.49	RC		Garrick Agnew	1971	-80	34
CP502	445,048	6,487,425	441.9	91.44	RC		Garrick Agnew	1971	-80	34

HOLE ID	EAST	NORTH	RL	Depth m	Drill Type	Pre-collar Depth m	Company	Year	Dip	Azimuth
CP503	445,314	6,487,269	445.3	60.96	RC		Garrick Agnew	1971	-80	34
CP506	444,160	6,487,867	404.9	121.92	RC		Garrick Agnew	1971	-90	0
CP507	444,121	6,487,892	400.9	56.39	RC		Garrick Agnew	1971	-90	0
CP508	444,078	6,487,957	399.3	98.45	RC		Garrick Agnew	1971	-80	34
CP510	444,265	6,487,785	409.2	121.92	RC		Garrick Agnew	1971	-80	34
CP511	444,490	6,487,683	413.3	121.92	RC		Garrick Agnew	1971	-80	34
CP512	444,594	6,487,831	428.9	97.54	RC		Garrick Agnew	1971	-80	34
CP513	444,914	6,487,446	435.3	91.44	RC		Garrick Agnew	1971	-80	34
CP514	445,288	6,487,231	443.2	83.82	RC		Garrick Agnew	1971	-80	34
CP515	445,420	6,487,223	441.9	121.92	RC		Garrick Agnew	1971	-80	34
CP516	444,601	6,487,628	415.5	33.53	RC		Garrick Agnew	1971	-90	0
CP517	444,592	6,487,616	413.3	30.48	RC		Garrick Agnew	1971	-90	0
CP518	444,695	6,487,547	417.3	30.48	RC		Garrick Agnew	1971	-90	0
CP519	444,635	6,487,563	413.3	35.05	RC		Garrick Agnew	1971	-90	0
CP520	444,626	6,487,552	410.9	36.58	RC		Garrick Agnew	1971	-90	0
CP521	444,562	6,487,575	406.9	25.91	RC		Garrick Agnew	1971	-90	0
CP522	444,554	6,487,564	405.3	27.43	RC		Garrick Agnew	1971	-90	0
CP523	444,408	6,487,673	405.3	24.38	RC		Garrick Agnew	1971	-90	0
CP524	444,398	6,487,662	403.2	30.48	RC		Garrick Agnew	1971	-90	0
CP525	444,349	6,487,690	402.9	35.05	RC		Garrick Agnew	1971	-90	0
CP526	444,342	6,487,676	399.7	32	RC		Garrick Agnew	1971	-90	0
CP527	444,496	6,487,583	401.7	25.91	RC		Garrick Agnew	1971	-90	0
CP528	444,540	6,487,536	401.4	28.96	RC		Garrick Agnew	1971	-90	0
CP529	444,523	6,487,511	397.9	30.48	RC		Garrick Agnew	1971	-90	0
CP530	444,991	6,487,555	440.9	47.24	RC		Garrick Agnew	1971	-90	0
CP531	445,000	6,487,571	439.3	42.67	RC		Garrick Agnew	1971	-90	0
CP532	444,336	6,487,662	396.5	30.48	RC		Garrick Agnew	1971	-90	0
CP533	444,330	6,487,647	393.9	28.96	RC		Garrick Agnew	1971	-90	0
CP534	444,241	6,487,758	401	28.96	RC		Garrick Agnew	1971	-90	0
CP535	444,226	6,487,746	396.6	25.91	RC		Garrick Agnew	1971	-90	0
CP536	444,283	6,487,701	397.6	32	RC		Garrick Agnew	1971	-90	0
CP537	444,268	6,487,686	393.3	30.48	RC		Garrick Agnew	1971	-90	0
CP538	444,340	6,487,924	389.4	64.01	RC		Garrick Agnew	1971	-80	34
CP539	444,440	6,487,611	399.4	32	RC		Garrick Agnew	1971	-80	34
CRD001	444,439	6,487,716	413.7	147.01	RCDT	24.99	Mt Dempster Mining	1975	-61	34
CRD002	444,476	6,487,765	423.3	79.86	RCDT	35.05	Mt Dempster Mining	1975	-65	34
CRD003	444,421	6,487,800	424.2	94.18	RCDT	30.48	Mt Dempster Mining	1975	-60	34
CRD004	444,363	6,487,823	425.6	76.81	RCDT	24.38	Mt Dempster Mining	1975	-61	34

HOLE ID	EAST	NORTH	RL	Depth m	Drill Type	Pre-collar Depth m	Company	Year	Dip	Azimuth
CRD005	444,345	6,487,789	419.1	157.71	RCDT	28.65	Mt Dempster Mining	1975	-63	34
CRD006	444,265	6,487,872	423	103.07	RCDT	27.43	Mt Dempster Mining	1975	-60	34
CRD007	444,151	6,487,923	412.8	98.22	RCDT	22.86	Mt Dempster Mining	1975	-60	34
CRD008	443,990	6,488,039	384.4	65	RCDT	33.53	Mt Dempster Mining	1975	-90	0
CRD009	444,035	6,487,998	392.6	60.05	RCDT	32.61	Mt Dempster Mining	1975	-60	34
CRD011	443,990	6,487,933	373.3	145.39	RCDT	28.35	Mt Dempster Mining	1975	-61	34
CRD012	444,109	6,487,883	396.7	141.52	RCDT	31.09	Mt Dempster Mining	1975	-60	34
CRD013	444,110	6,487,884	395.4	184.48	RCDT	28.35	Mt Dempster Mining	1975	-90	0
CRD014	444,212	6,487,818	405.2	140.56	RCDT	22.86	Mt Dempster Mining	1975	-60	34
CRD015	444,054	6,487,903	399	96.47	RCDT	38.1	Mt Dempster Mining	1975	-90	0
CRD016	444,212	6,487,925	423.3	99.59	RCDT	29.57	Mt Dempster Mining	1975	-90	0
CRD017	444,086	6,487,950	399.1	71.17	RCDT	44.2	Mt Dempster Mining	1975	-45	34
CRD018	444,265	6,487,872	423	119.48	RCDT	27.43	Mt Dempster Mining	1975	-50	34
CRD019	444,513	6,487,610	406.9	142.04	RCDT	27.43	Mt Dempster Mining	1975	-50	34
CRD020	444,513	6,487,609	406.6	52.2	RCDT	21.64	Mt Dempster Mining	1975	-90	0
CRD022	444,058	6,487,807	372.7	81	RCDT	41.91	Mt Dempster Mining	1975	-45	34
CRD023	444,005	6,487,845	373.2	180.08	RCDT	35.66	Mt Dempster Mining	1975	-60	34
CRD028	444,121	6,487,759	379.5	77.34	RCDT	27.43	Mt Dempster Mining	1975	-60	34
CRD029	444,165	6,487,740	382.7	83.97	RCDT	22.86	Mt Dempster Mining	1975	-60	34

APPENDIX 2

JORC Code, 2012 Edition, Table 1 Exploration Results

Section 1 – Sampling Techniques and Data

Criteria	JORC Code Explanation	Commentary
Sampling Techniques	*Nature and quality of sampling (e.g. cut channels, random chips, or specific specialized industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.*	Historical data compiled by AVL from Garrick Agnew Pty Ltd and Mt Dempster Mining Pty Ltd contains percussion drilling and diamond drilling. Percussion samples and half core samples were submitted for X-ray Fluorescence (XRF) or Atomic Absorption Spectrometry (AAS) assay. Quality of sampling is undeterminable due to a lack of historical records regarding recovery, moisture and QAQC procedures. 385 drill holes were drilled by Garrick Agnew Pty Ltd and Mt Dempster Mining for nearly 18,000 metres of percussion and diamond core. 13,420 metres of percussion drilling is recorded and 4,541 metres of diamond core.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	There is no record found to date of whether percussion samples were split, and if so, how they were split to form a small sub-sample of the drill cuttings. Presumably there must have been splitting performed on the rig or at the laboratory as the sample intervals are generally 5 or 10 feet (~1.5 – 3 metres) implying the full drill sample return would have been too large for processing at a laboratory.
	Aspects of the determination of mineralization that are Material to the Public Report.	No historical records of QAQC measures for samples have been found to date. There is record of a diamond hole drilled to twin an existing percussion hole, which is a measure of the quality of percussion sample return and ground variability.
Drilling Techniques	*Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face- sampling bit or other type, whether core is oriented and if so, by what method, etc.).*	Garrick Agnew used two Ingersol Rand T4 drills to complete percussion holes. The diamond rig used by Garrick Agnew Pty Ltd was Longyear Australia Pty Ltd Rig 38 and the diamond rig used by Mt Dempster Mining Pty Ltd was a Boyles 17A drilling NQ reducing to BQ size core (with pre-collars completed by rotary drilling), operated by I.M. Day and Co (December 1974 to April 1975) and I.G. Mason Pty Ltd (from April 1975)
Drill Sample Recovery	*Method of recording and assessing core and chip sample recoveries and results assessed.*	No record has been found in the historical reports for assessment of core and chip sample recoveries, hence no assessment of recovery results. Archive core acquired by the Company for CRD013 and CRD019 shows good competency and recovery, however these core hole portions represent a small fraction of the material drilled and analysed.

Criteria	JORC Code Explanation	Commentary
	Measures taken to maximize sample recovery and ensure representative nature of the samples.	No record has been found in the historical reports on measures to maximise sample recovery and ensure representivity of the samples, apart from CD01 drilled as a twin hole to CP001.
	Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	No data or reporting from the historical work has been found to evaluate any relationship between sample recovery and grade, or whether sample bias may have occurred due to fraction size.
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.*	Detailed geological logging has been found for the diamond drilling completed by both Garrick Agnew Pty Ltd and Mt Dempster Mining Pty Ltd. No geological logging has been found for the percussion drilling by Garrick Agnew Pty Ltd. The data from historical drilling is not complete enough for use in JORC 2012 Mineral Resource estimations, mineral studies and metallurgical studies. There is however, enough confidence in the data, as it formed the basis of a non-JORC compliant historical resource (early 1970s) that was taken to mining initiation, to use the data for geological modelling and exploration targeting purposes.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.	Diamond core logging was a mixture of qualitative and quantitative logging. Notably, Garrick Agnew Pty Ltd gave quantitative estimations of the sulphide abundances, but did not specify species (apart from noting chalcopyrite and molybdenite occurrences) and Mt Dempster Mining Pty Ltd recorded the presence of sulphide species (pyrite and chalcopyrite) but did not quantify the amount of sulphide present with numeric estimations.
	The total length and percentage of the relevant intersections logged.	Historical data records have provided geology logging for all the diamond core holes, but no geology logging for the bulk of the dataset that are percussion holes. Approximately 36% of the drilling (representing all the diamond core) has geological logging.
Sub-Sampling Techniques and Sample Preparation	*If core, whether cut or sawn and whether quarter, half or all core taken.*	The method of cutting and sampling Garrick Agnew Pty Ltd drill core holes is unknown. Mt Dempster Mining Pty Ltd core holes (NX reducing to BX size) were half core cut with a brick saw, with half submitted for assay and half retained as archive core. In the Mt Dempster Mining Pty Ltd core, larger intervals of Aplite intrusive or dolerite dyke were not sampled.
	If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	No sample splitting or moisture content information has been found in historical records for the percussion drilling.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	No information about the nature, quality, and appropriateness of the sample preparation technique for the historical drilling has been found in the reports.
	Quality control procedures adopted for all sub-sampling stages to maximize representivity of samples.	No information about quality control procedures for all sub-sampling stages for the historical drilling has been found in the reports.
	Measures taken to ensure that the sampling is representative of the in situ material collected, including	No information about quality control procedures to ensure sample representivity for the historical drilling has been found in the reports.

Criteria	JORC Code Explanation	Commentary
	for instance results for field duplicate/second-half sampling.	
	Whether sample sizes are appropriate to the grain size of the material being sampled.	No information about sample sizes being appropriate to rock granularity to ensure sample representivity for the historical drilling has been found in the reports.
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.*	Garrick Agnew Pty Ltd sent samples to the Perth Laboratory of Western Mining Corporation. Samples were assayed by x-ray fluorescence (XRF) techniques for V, Ti, Fe, Al, Si, Ca and loss on ignition (LOI). This analysis method is considered total. About 40 samples were also analysed for Ni, Cu, Co, Pb, Zn, Mo and Sc as reported in WAMEX item A1694, by Atomic Absorption Spectrometry methods, though tabulated results are not included in historical reports. The report did list that the V-bearing magnetite gabbro contained 190, 110 and 90 ppm of copper, cobalt and nickel respectively, assumed to be the average values of the 40 samples. V, Ti and Fe were assayed by Mt Dempster Mining Pty Ltd, and three commercial laboratories employed. Exserve Pty Ltd used XRF technology, while Chemical Consultants and Associated Laboratories used Atomic Absorption methods. Assays for the Mt Dempster Mining Pty Ltd holes have not been digitally compiled as yet.
	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.	No other tools or analysis were used for the drill dataset, aside from an unknown magnetometer record for Mt Dempster Mining Pty Ltd core holes, which have not yet been digitally compiled.
	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.	Mt Dempster Mining Pty Ltd undertook checks on samples by both XRF and AAS analysis to determine repeatability and total report of V and Ti. These checks showed comparable results by both methods. No data for standards, blanks or duplicates have been found in the historical reports and it is uncertain whether any QAQC measures were taken.
Verification of Sampling and Assaying	*The verification of significant intersections by either independent or alternative company personnel.*	No record has been found in the historical reports of verification of significant intersections.
	The use of twinned holes.	Garrick Agnew Pty Ltd workers twinned CP001 (percussion) with CD01 (diamond) to validate the percussion drill method. No report has been found with details of results of the twinning exercise.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Copies of the geological logs created for diamond drill holes are available. Percussion drill hole logging is not available. Assays are presented in tabulated form within WAMEX reports. Original laboratory results have not been found.
	Discuss any adjustment to assay data.	Historical measurements in feet have been converted to metres for assay intervals (metres = 0.3048 x feet). No other changes were applied to the results.

Criteria	JORC Code Explanation	Commentary
Location of Data Points	*Accuracy and quality of surveys used to locate drillholes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.*	No mineral resource estimation is made from the historical drilling. Accuracy of the drill hole collar locations is likely to be within 15 metres of true position. The collars were recorded in a local grid in the WAMEX reports and the grid registered into MGA94 co-ordinates through a process of capturing the local grid co-ordinates, ground control maps explaining rotation of the grid from magnetic north (clockwise 34 degrees) and field reconnaissance trips to orient the drill pattern with respect to relict ground disturbance. Curvature of the hill has not been taken into account during registration, so more error is expected at the edges of the grid, furthest from the historic baseline.
	Specification of the grid system used.	The grid projection used for Coates is MGA_GDA94, Zone 50. All maps included in this report are referenced to this grid.
	Quality and adequacy of topographic control.	No work has been completed on topographic control. Topography used for 3D modelling is based on publicly available NASA 30 m centred SRTM data and collars have been draped on this surface.
Data Spacing and Distribution	*Data spacing for reporting of Exploration Results.*	Assay exploration results are not reported. Geological observations are from a dataset with hole spacing of less than 20m and up to 45 m on section and 60 m between drill sections.
	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.	No Mineral Resource or Ore Reserve estimations have been applied.
	Whether sample compositing has been applied.	No Mineral Resource or Ore Reserve estimations have been applied.
	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	Historical drilling is oriented to intersect the geological units about perpendicular to the strike and dip of the layered gabbro intrusion. It is unlikely that this drilling orientation would have produced biased results.
	If the relationship between the drilling orientation and the orientation of key mineralized structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	Historical drilling is oriented to intersect the geological units about perpendicular to the strike and dip of the layered gabbro intrusion. It is not expected that this orientation would have produced biased results.
Sample Security	*The measures taken to ensure sample security.*	Sample security measures for the historic data are unknown.
Audits or Reviews	*The results of any audits or reviews of sampling techniques and data.*	No reviews or audits of sampling techniques are known of, and therefore no issues known.

Section 2 – Reporting of Exploration Results

Criteria	JORC Code Explanation	Commentary
Mineral Tenement and Land Tenure Status	*Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.*	Exploration is located wholly within Lease E70/4924-I. The tenement is 100% owned by AVL. The area comes under the ILUA legislation and the claimants are the Whadjuk people (Indigenous Land Use Agreement claim no. WC2011/009 in File Notation Area 11507). The Mines Department Native Title statutory regulations and processes apply. There are no outstanding Native Title issues. The following restricted access areas occur on the tenement, requiring Minister for Mines approval prior to works: Woondowing Nature Reserve Category 1A ((R14275 Freehold lot 29702) Extension of Nature Reserve (R14275 Freehold lot 29046) Area reserved for Railway Purposes (R23746 freehold lot 27520) Recreation Area (R11619 Freehold lot 28581)
	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.	At the time of reporting, there are no known impediments to obtaining a licence to operate in the area and the tenement is in good standing.
Exploration Done by Other Parties	*Acknowledgment and appraisal of exploration by other parties.*	The Coates deposit was identified in the 1960's by Mangore P/L and investigated with shallow drilling, surface sampling and mapping. Mangore WAMEX Report A1884 identified low grade vanadium bedrock mineralization (0.5 – 0.6% V_2O_5) below 30 – 50m of laterite cover. The nature of the vanadium source was confirmed by shaft sinking and trenching in 1962 (report A1885). A processing plant was constructed within the ground held by Wundowie Charcoal Iron and mining and processing operations, albeit short-lived commenced in the 1970s. Regional exploration for gold was undertaken by Swan Gold P/L in the 1980's and extensive low-grade gold mineralization was identified in laterites in an area a few kilometres east of the current tenement. Vanadium exploration saw a resurgence in 2008 by Mercator Metals Pty Ltd and Orientation surveys, laterite morphology studies, surface geochemical surveys along roads, tracks and public land with a field portable XRF.
		Mining started in 1980, but the high silica content limited the production of vanadium pentoxide to approximately 500 pounds, and a year later

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		production stopped. Historical Measured and Indicated Resources in 1968 were recorded as 39 Mt at 0.51% V_2O_5. Indicated Resources from the laterite deposit are reported as 1.5 Mt at 0.6% V_2O_5. ***NOTE: These resources do not comply with the JORC 2012 Mineral Resource Guidelines and are only included here for reference.***
Geology	*Deposit type, geological setting and style of mineralization.*	The Coates deposit is a magnetite-bearing gabbro intrusion into granitic rocks containing vanadium. The bedrock geology consists of gabbros and anorthosites contained within Archaean mafic volcanics surrounded by gneisses and granitic rocks. Vanadium occurs within a titaniferous magnetite hosted by the gabbro-anorthosite unit. The Coates vanadium deposit occurs in magnetite lenses at the core of the layered Coates Gabbro within a Magnetite Gabbro that is about 2 km long and up to 500 m thick. The gabbro is poorly exposed in an area of extensive lateritisation but appears to be between two granitic bodies. It has a general strike of 120° dipping southwest at 70°. The hangingwall unit to the southwest is a meso-gabbro and the immediate footwall unit to the northeast is a leuco-gabbro/anorthosite. Granite intrudes the southeast corner of the magnetite gabbro, and all other rocks are intruded by late (Proterozoic?) dolerites that are relatively thin and striking about north – northwest. The oxidized pisolitic ferricrete caprock extends 10m to 20m below surface and contains vanadium associated with magnetite and other iron minerals. .
Drillhole Information	*A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drillholes:* *easting and northing of the drillhole collar* *elevation or RL (Reduced Level – elevation above sea level in metres) of the drillhole collar* *dip and azimuth of the hole* *down hole length and interception depth hole length.*	A collar plan and tabulated collar locations and orientations is provided in this report, as Figure 4 and in Appendix 1. No significant assay intercepts have been reported. Reference to sulphide observations have been quoted directly from this historical drill logs, and clear statements made regarding the quality of the logging observations.
Data Aggregation Methods	*In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high*	No exploration drilling assay results have been reported in this release, therefore there are no drill hole intercepts to report.

Criteria	JORC Code Explanation	Commentary
	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.	No exploration drilling assay results have been reported in this release, therefore there are no drill hole intercepts to report.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No exploration drilling assay results have been reported in this release, therefore there are no drill hole intercepts, including metal equivalents, to report.
Relationship Between Mineralisation Widths and Intercept Lengths	*If the geometry of the mineralization with respect to the drillhole angle is known, its nature should be reported.*	Drilling intersects the magnetite gabbro (mineralised horizon for V – Ti) at about perpendicular to the unit strike and dip, being drilled at an angle toward the north east (intersecting the bedrock at about perpendicular to attitude) or vertical (intersecting the mineralised laterite caprock at about perpendicular to attitude).
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 drillhole collar locations and appropriate sectional views.*	Maps and drill sections have been included in the body of this release.
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.*	No assay results have been reported from historic drilling.
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.*	Historical exploration only is available in WAMEX reports: A1884 Exploration Progress Report. Mangore Australia Pty Ltd. HE Abendroth. 1962. A1885 Economic Evaluation of Vanadiferous Magnetite deposits of WA. AW Heuck.1962 A1886 Quarterly Progress Report on Metallurgical Tests. Mangore Pty Ltd. June 1962 A1694 Progress Report on Temporary Reserve 2755H South West Mineral Field for the year 26/3/1970 – 25/3/1971. Garrick Agnew Pty Ltd. 1971. A3142 Final Report on Temporary Reserve 2755^{H} South West Mineral Field, Western Australia, Vol. III. Coates Drill Logs. XRF Assay Data. A5698 Coates Siding Polysius Metallurgy Test Report. 1974 A6071 Coates Vanadium Project. Diamond Drill Logs. Mt Dempster Mining Pty Ltd.1974 A6977 Vanadiferous Magnetite material from Coates. AMDEL Metallurgy test report. Prepared for Agnew Clough Ltd. June 1975.

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		A6978 Sodium Removal from Vanadium Leach Residue Pellets. Government Chemical Laboratories for Agnew Clough Ltd. March 1977 A81303 Annual Report 2008 for E70/2230. Mercator Metals Pty Ltd. January 2009 A85887 Annual Report Wundowie Project 2008-2009. Mercator Metals Pty Ltd. Jan 2009 A102789 Partial Surrender Report E70/2230 Wundowie Project. Bauxite Resources Ltd /Mercator Metals Pty Ltd. July 2014 A102790 Partial Surrender Report for E70/2230. Mercator Metals Pty Ltd. July 2014 A102864 Final Surrender Report Wundowie Project. Aurum West Pty Ltd. July 2014 Work by CRC LEME: Cornelius M, Morris PA, Cornelius AJ; 2006; "Laterite Geochemical Database for the Southwest Yilgarn Craton, Western Australia"; CRC LEME Open File Report 201 / CSIRO Report P2006/75; Perth, Western Australia
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).*	Programme of Works number 81653 has been granted. Up to 15 diamond core holes are planned to evaluate the caprock and near-surface vanadium ore and provide bulk samples for metallurgical testing using the VEPT licensed process.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Possible horizons prospective for base metals and PGE mineralisation have been shown in Figure 3.