

# **QUARTERLY ACTIVITIES REPORT**

SEPTEMBER 2018

GME Resources Limited ("GME" or "the Company") (ASX:GME) released the results of the Pre-Feasibility Study ("PFS") on its 100%-owned NiWest Nickel-Cobalt Project in Western Australia ("NiWest" or "NiWest Project") during the September 2018 quarter. The highlights of the study were:

- Head grades average 1.05% nickel and 0.07% cobalt for the first 15 years. Opportunity to extend high-grade profile through potential conversion of Inferred Resources and/or inclusion of other known deposits.
- Initial 27-year operating life at a nameplate processing capacity of 2.4Mtpa. Projected steadystate nickel and cobalt recoveries of 79% and 85% respectively.
- Total production of 456kt nickel (in nickel sulphate) and 31.4kt cobalt (in cobalt sulphate).
   Average annual production of 19.2kt nickel and 1.4kt cobalt over the first 15 years.
- Ungeared post-tax NPV<sub>8%</sub> of A\$791M and internal rate of return (IRR) of 16.2% (equivalent pre-tax values of A\$1,390M and 21.2%, respectively). Payback period (pre-tax) of 4.4 years.
- Average cash unit operating cost (post royalties and cobalt credits) of US\$3.24/lb contained nickel (US\$3.00/lb for the first 15 years).
- Globally attractive pre-production capital intensity of sub-US\$20 per pound of average annual nickel production based on forecast pre-production capital expenditure of A\$966M.
- Projected free cashflow (post all capital expenditure and tax) of A\$3,342M.

### **Next Steps**

GME intends to undertake a wider and more advanced period of engagement with potential strategic partner/offtake parties prior to commencing a Definitive Feasibility Study (DFS) on the NiWest Project.

This process is targeted at a comprehensive and robust assessment of the broad range of potential ownership, development and funding structures currently available to GME and the NiWest Project.

Concurrent activities planned during this period include delineation of planned DFS scope and workstreams, end-market analysis, assessment of value engineering opportunities delivered via the PFS and the commencement of critical-path environmental study work.

**JAMIE SULLIVAN** 

MANAGING DIRECTOR

30 October 2018



### NIWEST (NICKEL-COBALT) PROJECT

## **Pre Feasibility Study**

#### Introduction

The NiWest Nickel-Cobalt Project is one of the largest high grade, undeveloped nickel-cobalt deposits in Australia. The project is located adjacent to Glencore's Murrin Murrin operations in the North Eastern Goldfields of Western Australia. The project is situated in a semi-arid region that is well serviced by existing infrastructure (refer Figure 1).

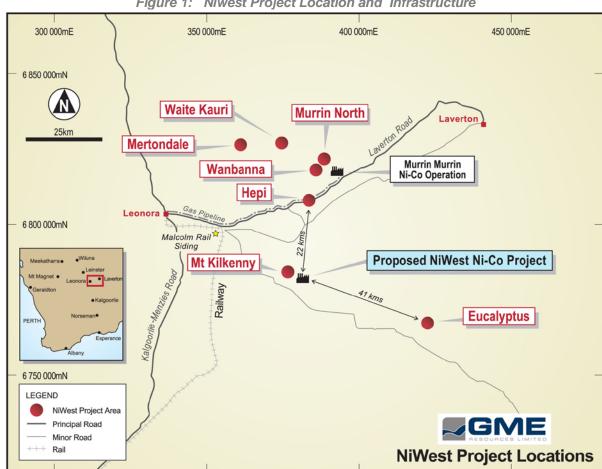


Figure 1: Niwest Project Location and Infrastructure

The base project parameters determined by the PFS (refer ASX 2 August 2018) are:

- Updated Mineral Resource estimate of 85.2Mt at 1.03% nickel and 0.065% cobalt (0.8% nickel cut-off).
- Maiden NiWest Ore Reserve estimate of 64.9Mt at 0.91% nickel and 0.06% cobalt (at 0.5% nickel cut-off).
- Conventional open pit mining at a low projected strip ratio of 2.0:1.
- Head grades average 1.05% nickel and 0.07% cobalt for the first 15 years. Opportunity to extend high-grade profile through potential conversion of Inferred Resources and/or inclusion of other deposits.
- Selected processing route of heap leaching followed by highly efficient Direct Solvent Extraction (DSX) to produce low-cost nickel and cobalt sulphate products.



- Initial 27-year operating life at a nameplate processing capacity of 2.4Mtpa. Projected steadystate nickel and cobalt recoveries of 79% and 85% respectively.
- Total production of 456kt nickel (in nickel sulphate) and 31.4kt cobalt (in cobalt sulphate). Average annual production of 19.2kt nickel and 1.4kt cobalt over the first 15 years.
- Project construction period of 24 months from Final Investment Decision (FID). Forecast commissioning and plant ramp-up phase of approximately 20 months.

The key economic assumptions and outcomes of the PFS are:

- Life-of-mine price estimates of US\$8.00/lb nickel (includes US\$0.75/lb sulphate premium) and US\$25/lb cobalt (zero sulphate premium). A\$/US\$ assumption of 0.75.
- Ungeared post-tax NPV<sub>8%</sub> of A\$791M and internal rate of return (IRR) of 16.2% (equivalent pre-tax values of A\$1,390M and 21.2%, respectively). Payback period (pre-tax) of 4.4 years.
- Average cash unit operating cost (post royalties and cobalt credits) of US\$3.24/lb contained nickel (US\$3.00/lb for the first 15 years).
- Forecast pre-production capital expenditure of A\$966M, representing a globally attractive preproduction capital intensity of sub-US\$20 per pound of average annual nickel production.
- Projected free cashflow (post all capital expenditure and tax) of A\$3,342M.

#### Mineral Resource

The updated Mineral Resource Estimate<sup>1</sup> for the NiWest Project is 85.2Mt at 1.03% Ni and 0.065% cobalt at a 0.8% Ni cut-off (refer to Table 1 and Appendix A).

Table 1: Mineral Resource Estimate1 for NiWest Project at 0.8% Ni Cut-off Grade

JORC Classification	Tonnes (million)	Nickel Grade (%)	Cobalt Grade (%)	Nickel Metal (kt)	Cobalt Metal (kt)
Measured	15.2	1.08	0.064	165	9.8
Indicated	50.4	1.04	0.068	527	34.5
Inferred	19.5	0.95	0.057	186	11.0
TOTAL*	85.2	1.03	0.065	878	55.4

<sup>\*</sup> Columns may not total exactly due to rounding errors. Tonnages are reported as dry tonnage

The update follows a review of the geological models of the three deposits incorporated in the PFS, namely Mt Kilkenny, Eucalyptus and Hepi, with the objective of refining the domaining of the nickel and cobalt mineralisation. The Mertondale, Murrin North, Waite Kauri and Wanbanna models remain unchanged from those released to the ASX on 21 February 2017.

The updated Mineral Resource estimate for solely those deposits that are the subject of the PFS is 67.0Mt at 1.04% Ni and 0.065% cobalt (0.8% Ni cut-off, refer Table 2).

At a 0.8% Ni grade cut-off approximately 74% of the contained nickel in the PFS Mineral Resource estimate is classified in the Measured and Indicated categories.

<sup>1</sup> ASX Release 2 August 2018



Table 2: Mineral Resource Estimates for Mt Kilkenny, Eucalyptus and Hepi at 0.8% Ni Cut-off

Deposit	JORC Classification	Tonnes (M)	Ni Grade (%)	Co Grade (%)	Ni Metal (kt)	Co Metal (kt)
	Measured	8.8	1.11	0.063	98	5.6
Mt	Indicated	12.7	1.09	0.079	138	10.0
Kilkenny	Inferred	4.5	0.98	0.051	44	2.3
	Sub-total*	26.0	1.08	0.069	279	17.9
	Indicated	23.7	1.04	0.064	247	15.3
Eucalyptus	Inferred	12.8	0.95	0.056	121	7.1
	Sub-total*	36.5	1.01	0.061	368	22.4
	Measured	1.6	1.20	0.078	19	1.2
llen:	Indicated	1.5	1.01	0.073	15	1.1
Hepi	Inferred	1.5	0.95	0.074	14	1.1
	Sub-total*	4.5	1.06	0.075	48	3.4
	Measured	10.4	1.12	0.066	117	6.8
Total	Indicated	37.9	1.05	0.070	400	26.4
	Inferred	18.7	0.96	0.056	178	10.4
	Total*	67.0	1.04	0.065	695	43.6

<sup>\*</sup>Columns may not total exactly due to rounding errors. Tonnages are reported as dry tonnage

### Ore Reserve & Mine Planning

The Maiden Ore Reserve estimate for the NiWest Project is 64.9Mt at 0.91% Ni and 0.06% Co (for 592kt contained nickel and 38kt contained cobalt). This is based on a 0.5% Ni cut-off grade (refer Table 3).

Table 3: NiWest Project Ore Reserve Estimate (at 0.5% Ni Cut-off Grade)

Orebody	JORC Classification	Tonnes (M)	Ni Grade (%)	Co Grade (%)
Mt Kilkenny	Probable	27.9	0.96	0.06
Eucalyptus	Probable	32.2	0.87	0.05
Hepi	Probable	4.7	0.91	0.06
Total*	Probable	64.9	0.91	0.06

<sup>\*</sup>Columns may not total exactly due to rounding errors. Tonnages are reported as dry tonnage

The NiWest Ore Reserve estimate includes a higher grade (>0.8% Ni cut-off) component of 41.2Mt at 1.06% Ni and 0.07% Co. Mining and processing/refining of this higher-grade component predominantly occurs during the first 15 years of NiWest operating life.

Commencement of mining activities at Mt Kilkenny is scheduled approximately six months prior to first heap stacking operations (commencement of processing) also at Mt Kilkenny (Figure 1). Mining is expected to be via conventional truck and shovel operations that are almost entirely free dig with only ferruginous capping requiring drilling and blasting.

Approximately 65Mt of ore and 133Mt of waste material is scheduled to be mined over a mining activity life of approximately 20 years. The life-of-mine average strip ratio is 2.0. Annual material movement is approximately 15Mtpa in Years 1-6, before dropping to around 8Mtpa for much of the remainder of mining operations.

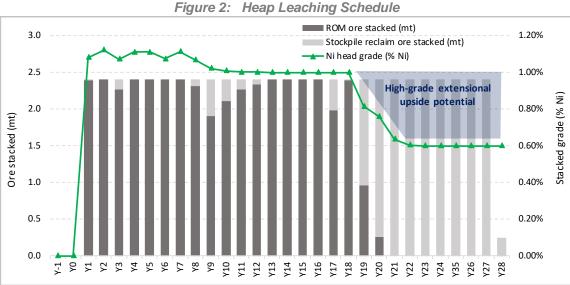
## Metallurgy and Processing

The processing route selected for the NiWest Project is heap leaching followed by neutralisation, impurity removal and highly efficient Direct Solvent Extraction (DSX) and crystallisation to produce nickel and cobalt sulphate products.



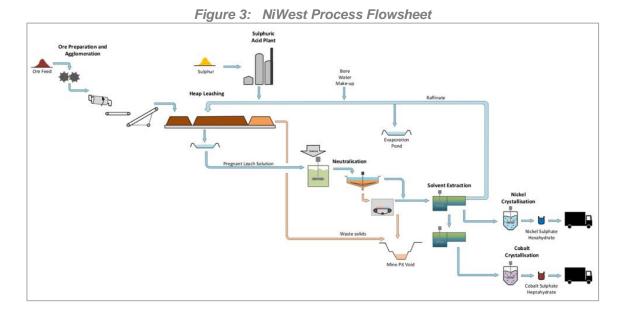
The heap leach design is a function of column test work on NiWest ore combined with the learnings from all publicly available data in relation to the successful heap leach operations previously conducted at the nearby Murrin Murrin Operations. Projected leach recoveries (81% nickel and 87% cobalt) and residence time (210 days) were optimised by the decision to adopt 2 metre heap heights. Forecast average sulphuric acid consumption is 470kg per tonne of NiWest ore through the full process (with 450kg per tonne attributable to the heap leaching operations).

As a function of the accelerated mining profile and stockpiling of lower grade ore in earlier years. stacked nickel head grade is forecast to be maintained above 1.0% Ni (with cobalt averaging almost 0.07%) for the first 18 years of heap leach operations (refer Figure 2).



Pregnant Leach Solution (PLS) drawn-off the heap operations is processed through a series of hydrometallurgical steps involving PLS neutralisation, impurity removal, DSX and product crystallisation.

All steps in the proposed hydrometallurgical flowsheet were successfully tested as part of the GME metallurgical test work program conducted over the past 18 months. Further work is planned during the early stages of the DFS to confirm the hydrometallurgical flowsheet (refer Figure 3) and subsequently undertake further continuous pilot testing and detailed engineering.



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### Product Specification, Pricing and Marketing

GME is targeting production of premium, high-purity nickel and cobalt products from the NiWest Project to directly supply the rapidly growing lithium-ion battery market.

Heap leach and DSX flowsheet configuration adopted in the PFS purposefully provides flexibility to tailor final nickel and cobalt products to the specific requirements of Li-ion battery manufacturers. The pilot plant testing conducted to date has confirmed that the various nickel and cobalt products can be produced to the requisite quality.

The PFS is based on producing nickel and cobalt in sulphate forms, namely nickel sulphate hexahydrate (NiSO<sub>4</sub>·6H<sub>2</sub>O) and cobalt sulphate heptahydrate (CoSO<sub>4</sub>·7H<sub>2</sub>O). The targeted content of nickel and cobalt metal in the sulphate form is extremely high purity at approximately 99.95% and >99.9% by mass, respectively.

The nickel and cobalt price assumptions utilised in the PFS are based on a review of:

- a. The outlook for nickel and cobalt demand and supply;
- b. The consensus LME nickel and cobalt pricing forecasts by market analysts; and
- c. The historical and forecast premium for nickel and cobalt sulphate products.

A life of mine average (real) nickel price of US\$8.00/lb has been assumed based on a consensus long term forecast London Metal Exchange (LME) price range of US\$7.00-7.50/lb and a forecast average US\$0.75/lb premium for the planned sulphate form of the contained nickel product.

A life of mine average (real) cobalt price of US\$25/lb has been assumed based on a consensus long term forecast London Metal Bulletin (LMB) price range of US\$22-28/lb. No premium has been assumed for the planned sulphate form of the contained cobalt product.

Under these price assumptions, nickel sulphate sales comprise approximately 82% of forecast total NiWest Project revenue, with the remaining 18% being cobalt sulphate sales. On an annual forecast basis the proportion of revenue composed of nickel sulphate sales ranges between 78% and 88%.

#### **Operating Cost Estimate**

A breakdown of the operating cost estimate for the NiWest Project is outlined in Table 4.

Mining costs include satellite haulage from the Eucalyptus and Hepi deposits, ROM pad and stockpile rehandling costs and waste dump and pit rehabilitation costs. All mining activities are planned to be via contract mining arrangements.

Processing cost is heavily driven by sulphuric acid, and therefore sulphur consumption and delivered cost (55-60% of total processing cost). Other major reagent costs include calcrete, magnesia and caustic soda. In total, variable cost elements (being predominantly reagents) account for over 80% of forecast processing costs.

General and administrative costs include all management/administrative/HSE/general labour costs and other general expenses.

Product distribution costs includes packing in 1 tonne bulka-bags, trucking to Esperance, export through the Esperance Port facility and sea freight to North Asia CFR. Royalties comprise Western Australian State government royalties on nickel and cobalt production plus other private royalties.



Table 4: NiWest Operating Cost Summary

Item	A\$/t ore processed	A\$/t Ni produced	A\$/lb Ni produced	Proportion of Total (%)
Mining	21.2	3,026	1.37	21
Processing	63.1	9,000	4.08	62
General and admin	5.8	825	0.37	6
Product distribution	5.7	809	0.37	6
Royalties	6.6	943	0.43	6
Total*	102.4	14,601	6.62	100%

<sup>\*</sup>Columns may not total exactly due to rounding errors

On a life-of mine basis, mining costs (including haulage and ROM/stockpile rehandle) account for approximately 21% of total operating costs (inclusive of royalties). The equivalent proportion for processing costs is approximately 62%. G&A costs, product distribution costs and royalties each account for approximately 5-6%, respectively.

Forecast net unit cash costs (post cobalt credits) average US\$3.24/lb over the life-of-mine (seeFigure 4). Accelerated mining and processing of higher grade ore in earlier years delivers an equivalent figure of US\$3.00/lb for the first 15 years of processing life (including ramp-up).

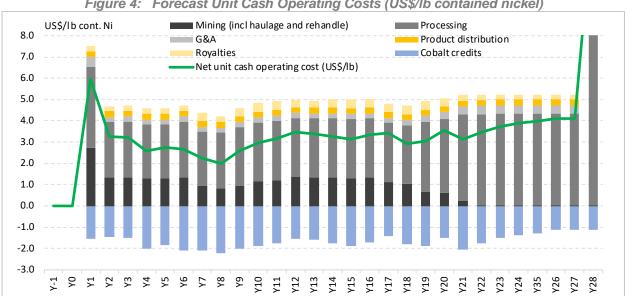


Figure 4: Forecast Unit Cash Operating Costs (US\$/lb contained nickel)

#### Capital Expenditure Estimate

The pre-production capital expenditure estimate for the Project is A\$966M. A summary of the pre-production capital estimate for the proposed mining, processing and on-site refining is provided in Table 5.

The estimate has been based on an Engineering Procurement and Construction Management (EPCM) basis. Indirect costs have been allocated including EPCM, owner's costs, and other indirects (mobilisation/demobilisation, heavy cranes, commissioning, operations readiness and first-fills). Budget prices for approximately 75% of equipment items were obtained from vendors.



Table 5: NiWest Pre-Production Capital Expenditure Estimate Summary

Category	Breakdown	Cost (A\$M)
Direct Costs	Crushing and Heap Leaching	138.0
	Processing	193.7
	Utilities and Reagents (including acid plant)	312.9
	General Infrastructure	42.3
Total Direct Costs*		686.8
Indirect Costs	EPCM	72.7
	Owners	9.7
	Other Indirects	76.8
Total Indirect Costs*		159.3
Contingency	17.5% of Total Direct Costs	120.2
Total*		966.3

<sup>\*</sup>Columns may not total exactly due to rounding errors. Tonnages are reported as dry tonnage

Life-of-mine sustaining capital expenditure is estimated at A\$582M. This comprises projected general annual sustaining expenditure in addition to specific items such as in-pit residue storage preparations, additional evaporation ponds, acid plant maintenance, satellite haul road construction and mine closure preparations. Total estimated sustaining capital expenditure equates to approximately A\$21.5M or 2.2% of the total pre-production capital estimate on an average annual basis.

#### Value Engineering Opportunities

The PFS has identified a number of value engineering opportunities that have the potential to improve NiWest project economics significantly.

These opportunities will be assessed in more detail over coming months and include:

- Inferred Resources (within the Mt Kilkenny, Eucalyptus and Hepi deposits) and other known deposits (Mertondale, Murrin North, Wanbanna, Waite Kauri) not considered in the PFS: Potential further drilling and incorporation to extend initial high-grade feed life and/or overall operating life.
- **Heap leaching optimisation:** Reduce evaporation losses, reduce acid consumption, reduce size of acid plant, reduce heap leach pad footprint, reduce DSX volumetric flow.
- **By-product options:** Other leached minerals which could be recovered and bolster revenue whilst also reducing waste volume (scandium, manganese incl. battery precursor potential, magnesium sulphate).
- Acid plant cost: Lower cost sourcing and delivery arrangements.
- **Ore feed schedule:** Dynamic optimisation and flexing of mine and process scheduling across acid consumption, and nickel and cobalt recovery.
- Cobalt sulphate flowsheet: Alternate lower capital and operating cost options available.

## **GOLD ASSETS**

The rehabilitated Devon Gold Mine remains on Care and Maintenance. No work on the gold assets is planned for the December 2018 quarter.



#### **CORPORATE**

#### Cash on Hand

The Company had cash on hand of A\$594,000 at the end of the quarter and is anticipating a substantial R&D refund in the December quarter as a result of work carried out during the 2018 financial year.

#### Nickel and Cobalt Markets

The LME quoted price of nickel decreased by approximately 16% to US\$12,507 per tonne during the September 2018 quarter. LME nickel inventories fell by around 44kt over the quarter to finish at approximately 229kt. The quoted price of cobalt decreased by approximately 20% to US\$61,874 per tonne during the quarter.

### **Annual General Meeting**

The GME Annual General meeting is scheduled to be held on 28 November 2018 at the Company's office at Unit 5 78 Marine Terrace, Fremantle commencing at 11.30 am.

## For further information please contact:

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### **About GME**

GME Resources Limited is an ASX listed exploration and development company with nickel and cobalt interests in Western Australia. GME's principal asset is its 100% owned NiWest nickel-cobalt project situated adjacent to Glencore's Murrin Murrin Operation. In August 2018 the Company completed a Pre-Feasibility Study into the technical and economic viability of a heap leach and direct solvent extraction operation at one of the largest undeveloped nickel/cobalt deposits in Australia.

More information is available on GME's website at www.gmeresources.com.au

## **COMPETENT PERSON STATEMENTS**

#### **NiWest Project**

Where the Company refers to the NiWest Nickel/Cobalt Project Prefeasibility Study 2018 and the Mineral Resource and Ore Reserve Statement (referencing the release made to the ASX on 2 August 2018), it confirms that it is not aware of any new information or data that materially affects the information included in that announcement and all material assumptions and technical parameters continue to apply and have not materially changed.

#### Forward Looking Statement

This announcement contains statements related to our future business and financial performance and future events or developments involving GME Resources (GME) that may constitute forward-looking statements. These statements may be identified by words such as "potential", "exploitable", "proposed open pit", "evaluation", "expect," "future," "further," "operation, "development, "plan," "permitting", "approvals", "processing agreement" or words of similar meaning. Such statements are based on the current expectations and certain assumptions of GME management & consultants, and are, therefore, subject to certain risks and uncertainties. A variety of factors, many of which are beyond GME's control, affect our operations, performance, business strategy and results and could cause the actual results, performance or achievements of GME to be materially different from any future results, performance or achievements that may be expressed or implied by such forward-looking statements.



## **APPENDIX A: NiWest Mineral Resource Statement**

The Company's Mineral Resource Statement (Table A1 and Table A2) has been compiled in accordance with the Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code 2012 Edition) and Chapter 5 of the ASX Listing Rules and ASX Guidance Note 31.

Table A1: Mineral Resource Estimate<sup>1,2</sup> for NiWest Project at 0.8% Ni Cut-off Grade

Table A1.	Willicial Nesoc	nec Estime	ate for Mivrest	Project at 0.8%	ini out-on ora	ac
Deposit	JORC Classification	Tonnes (million)	Nickel Grade (%)	Cobalt Grade (%)	Nickel Metal (kt)	Cobalt Metal (kt)
	Measured	8.8	1.11	0.063	98	5.6
M4 Williammul	Indicated	12.7	1.09	0.079	138	10.0
Mt Kilkenny <sup>1</sup>	Inferred	4.5	0.98	0.051	44	2.3
	Total*	26.0	1.08	0.069	279	17.9
	Indicated	23.7	1.04	0.064	247	15.3
Eucalyptus <sup>1</sup>	Inferred	12.8	0.95	0.056	121	7.1
	Total*	36.5	1.01	0.061	368	22.4
	Measured	1.6	1.20	0.078	19	1.2
Hepi <sup>1</sup>	Indicated	1.5	1.01	0.073	15	1.1
пері	Inferred	1.4	0.95	0.074	14	1.1
	Total*	4.5	1.06	0.075	48	3.4
Mertondale <sup>2</sup>	Indicated	1.9	0.98	0.070	18	1.3
Wertondale	Total*	1.9	0.98	0.070	18	1.3
	Measured	1.5	1.01	0.062	15	0.9
Waite Kauri <sup>2</sup>	Indicated	0.3	0.91	0.025	3	0.1
waite Raum	Inferred	0.0	0.09	0.015	0	0.0
	Total*	1.8	0.98	0.054	18	1.0
	Measured	3.4	0.98	0.062	33	2.1
Murrin North <sup>2</sup>	Indicated	0.1	0.88	0.051	1	0.1
Warrin North	Inferred	0.1	0.86	0.083	1	0.1
	Total*	3.7	0.97	0.062	35	2.3
	Indicated	10.1	1.03	0.066	104	6.7
Wanbanna <sup>2</sup>	Inferred	0.7	0.99	0.070	7	0.5
	Total*	10.8	1.03	0.066	111	7.2
	Measured	15.2	1.08	0.064	165	9.8
NiWest	Indicated	50.4	1.04	0.068	527	34.5
Project	Inferred	19.5	0.95	0.057	186	11.0
	TOTAL*	85.2	1.03	0.065	878	55.4

<sup>\*</sup> Columns may not total exactly due to rounding errors. Tonnages are reported as dry tonnage 1 ASX Release 2 August 2018

<sup>2</sup> ASX Release 21 February 2017



Table A2: Mineral Resource Estimate<sup>1,2</sup> for NiWest Project at 1.0% Ni Cut-off Grade

Table AZ:	Willieral Resou	II CE LSUIIII	ate" for Nivvest	Troject at 1.070	INI Cut-on Gra	ue
Deposit	JORC Classification	Tonnes (million)	Nickel Grade (%)	Cobalt Grade (%)	Nickel Metal (kt)	Cobalt Metal (kt)
	Measured	5.7	1.22	0.072	70	4.1
NA4 1/:11-amm-1	Indicated	7.8	1.20	0.094	93	7.3
Mt Kilkenny <sup>1</sup>	Inferred	1.7	1.11	0.060	19	1.1
	Total*	15.2	1.20	0.082	182	12.4
	Indicated	12.5	1.16	0.074	145	9.2
Eucalyptus <sup>1</sup>	Inferred	3.1	1.08	0.062	34	1.9
	Total*	15.6	1.15	0.072	178	11.2
	Measured	1.1	1.34	0.088	14	0.9
Hepi <sup>1</sup>	Indicated	0.7	1.12	0.086	8	0.6
пері	Inferred	0.4	1.07	0.104	5	0.5
	Total*	2.2	1.21	0.090	27	2.0
Mertondale <sup>2</sup>	Indicated	0.7	1.14	0.070	8	0.5
wertondale-	Total*	0.7	1.14	0.070	8	0.5
	Measured	0.5	1.25	0.087	6	0.5
Waite Kauri <sup>2</sup>	Indicated	0.1	1.08	0.015	1	0.0
waite Kauri-	Inferred	0.0	1.07	0.000	0	0.0
	Total*	0.6	1.23	0.079	7	0.5
	Measured	1.2	1.14	0.070	14	0.9
Murrin North <sup>2</sup>	Indicated	0.0	1.04	0.070	0	0.0
Wurrin North-	Inferred	0.0	0.00	0.000	0	0.0
	Total*	1.3	1.14	0.070	14	0.9
	Indicated	4.7	1.19	0.080	56	3.8
Wanbanna <sup>2</sup>	Inferred	0.3	1.16	0.080	3	0.2
	Total*	5.0	1.19	0.080	59	4.0
		0 5	1.22	0.074	104	6.4
	Measured	8.5		0.074		
NiWest Project	Indicated	26.5	1.18	0.081	311	21.4
Project	Inferred	5.6	1.09	0.066	61	3.7
* Oak mana man matta	TOTAL*	40.6	1.17	0.077	476	31.4

<sup>\*</sup> Columns may not total exactly due to rounding errors. Tonnages are reported as dry tonnage
1 ASX Release 2 August 2018
2 ASX Release 21 February 2017



## **APPENDIX B: NiWest Ore Reserve Statement**

The Company's Ore Reserve Statement (Table B1) has been compiled in accordance with the Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code 2012 Edition) and Chapter 5 of the ASX Listing Rules and ASX Guidance Note 31.

Table B1: NiWest Ore Reserve Estimate<sup>1</sup> at 0.5% Ni cut-off

Orebody	JORC Classification	Tonnes (million)	Nickel Grade (%)	Cobalt Grade (%)
Mt Kilkenny	Probable	27.9	0.96	0.06
Eucalyptus	Probable	32.2	0.87	0.05
Hepi	Probable	4.7	0.91	0.06
Total*	Probable	64.9	0.91	0.06

<sup>\*</sup> Columns may not total exactly due to rounding errors. Tonnages are reported as dry tonnage

<sup>1</sup> ASX Release 2 August 2018



# **APPENDIX C: Tenement Summary**

Table C1: Tenement Summary as at 30 September 2018

Project	Tenements	Interest Beginning Period	Interest End Period
Abednego West	M39/427, M39/0825 P39/5557 -5559	Golden Cliffs 100% Golden Cliffs 100%	Golden Cliffs 100% Golden Cliffs 100%
Eucalyptus	M39/744 M39/289, M39/430, M39/344 M39/666 and M39/674 M39/313, M39/568 M39/802 - 803 P39/5459 E39/1795, E39/1859, E39/1860 PLA39/5962	NiWest Ni Co Rights NiWest 100% NiWest 100% NiWest 100% NiWest 100% NiWest 100% NiWest 100% NiWest 100%	NiWest Ni Co Rights NiWest 100% NiWest 100% NiWest 100% NiWest 100% NiWest 100% NiWest 100% NiWest 100% NiWest 100%
Hawks Nest	M38/218	Golden Cliffs 100%	Golden Cliffs 100%
Нері	M39/717 - 718, M39/819, P39/5813 PLA39/5927, PLA39/6032	NiWest 100% Nil	NiWest 100% NiWest 100%
Laverton Downs	M38/1266	Golden Cliffs 100%	Golden Cliffs 100%
Linden	M39/1077 – 1078, E39/1760 ML 39/500	Golden Cliffs 100% GME 10% / 90% Anova Metals Australia Pty Ltd	Golden Cliffs 100% GME 10% / 90% Anova Metals Australia Pty Ltd
Mertondale	M37/591	NiWest 100%	NiWest 100%
Mt Kilkenny	M39/878 – 879, E39/1784 E39/1794, E39/1831 E39/1873 ELA39/2071-72 P39/5508- 5510, P39/5528	NiWest 100% NiWest 100% NiI NiWest 100% NiWest 100%	NiWest 100% NiWest 100% Under application NiWest 100% NiWest 100%
Murrin Murrin	M39/426, M39/456, M39/552, M39/553, M39/569	GlenMurrin 100% Nickel & Cobalt Golden Cliffs 100% gold and other minerals	GlenMurrin 100% Nickel & Cobalt Golden Cliffs 100% gold and other minerals
Murrin North	M39/758	NiWest 100%	NiWest 100%
Waite Kauri	M37/1216 P37/8427-8428 (MLA 37/1334)	NiWest 100% NiWest 100%	NiWest 100% NiWest 100%
Wanbanna	M39/460	NiWest 80% / 20% Wanbanna Pty Ltd	NiWest 80% / 20% Wanbanna Pty Ltd
Misc. Licences	L37/175, L31/46, L40/25 L39/215, L39/177, L37/205 L39/222, L39/235, L39/237	NiWest 100% NiWest 100% Golden Cliffs 100%	NiWest 100% NiWest 100% Golden Cliffs 100%

### **LEGEND**

E: Exploration Licence | P: Prospecting Licence | PLA: Prospecting Licence Application | M: Mining Lease | ELA: Exploration Licence Application | L: Miscellaneous Lease | MLA: Mining Lease Application