



NIUMINCO GROUP LIMITED



ResourceStocks Sydney 2018

**ASX Code: NIU
POMSoX : NIU**

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The information in this report that relates to exploration results is based on Information reviewed by Ian Plimer (BSc [Hons], PhD) who is a Fellow of the Australasian Institute of Mining and Metallurgy. Professor Plimer is a director of Niuminco Group Limited and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. He consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

Corporate Snapshot



Capital Structure

Ordinary Shares on Issue	2,379,836,860
Options (Jan 2019 @ \$0.007)	180,000,000
Market Capitalisation (@\$0.002)	\$4.8m

Major Shareholders

Goward Pty Ltd/ T Lake	13.7%
Australian Metals Group Ltd	9.7%
Inkex Pty Ltd/ Prof. I Plimer	4.0%
Top 20 (15 May, 2018)	49.25%

Board and Management

Professor Ian Plimer	Independent Chairman
Tracey Lake	Managing Director/CEO
John Nethery	Non-Executive Director
Lawrence Chartres	Non-Executive Director

PNG - World Class Geological Province



- **EDIE CREEK MINE** – Expanding, producing gold and silver mine - adjacent to Harmony Gold's **Hidden Valley** mine
- **MAY RIVER PROJECT** - Major drill ready copper- gold porphyry and epithermal anomalies. Adjoins the 21Moz Au, 13Mt Cu **Frieda River** deposit.
- **BOLOBIP PROJECT** – 60km east of **Ok Tedi**. Large drill ready, copper-gold porphyry target.

Three Highly Prospective PNG Projects



■ Highly Prospective Projects

- Niuminco is focused on three gold/silver/copper projects. These highly prospective properties are adjacent or close to existing large mines or deposits, including PanAust/Highland Pacific's 21Moz Au, 13Mt Cu, Frieda River deposit and Harmony Gold's Hidden Valley Mine, which produced ~190Koz of Au in 2016.

■ Growing Gold and Silver Production

- Niuminco owns and operates a gold and silver mine at its Edie Creek project which has significant infrastructure in place.
- Niuminco is increasing throughput of ore through its plant from 11tpd to over 40tpd. The increase in plant throughput is expected to significantly increase revenues to the Company, with attractive margins.

■ Significant Near-Term Exploration Upside

- Niuminco's gold projects remain highly underexplored.
- Niuminco is drill testing at its Edie Creek mine for extensions of known vein and lode systems, as well as identified, bulk tonnage targets.
- Niuminco has commenced exploration drilling programs on both its May River and Bolobip projects with over \$7.5 million spent on exploration activities since 2011.

Edie Creek – Operating gold/silver Mine



Epithermal Gold and Silver Deposit

- Edie Creek is located in the Morobe Province, approximately **5km from Harmony Gold's Hidden Valley Mine**, which produced ~190Koz of Au, 2Moz Ag in 2016.
- Edie Creek comprises 6 granted MLs covering 3.92km² and includes **high grade Au-Ag veins** and **lower grade bulk tonnage options with substantial economic potential**.
- Within the MLs, Niuminco has developed a **200 person camp, mining/processing infrastructure and maintenance / admin facilities**.
- Measured scale-up of mining & processing continuing.



Edie Creek Production



Significantly Scaled-up Operations

- With new infrastructure installed, processing plant modified and upgraded mining equipment purchased, Edie Creek production can now run at **40-60 tpd** in a single, 11-hour shift.
- Niuminco is now positioned to have operations at Edie Creek become **consistently cash flow positive, at grades of 1.5 - 2 g/t.**
- At current gold prices, operating **break-even production at Edie Creek is approx. 80oz Au per month (or 80g Au per day).**



The increase in plant throughput is expected to significantly increase revenues to the Company going forward.

Processing and Mining Plant Upgrades

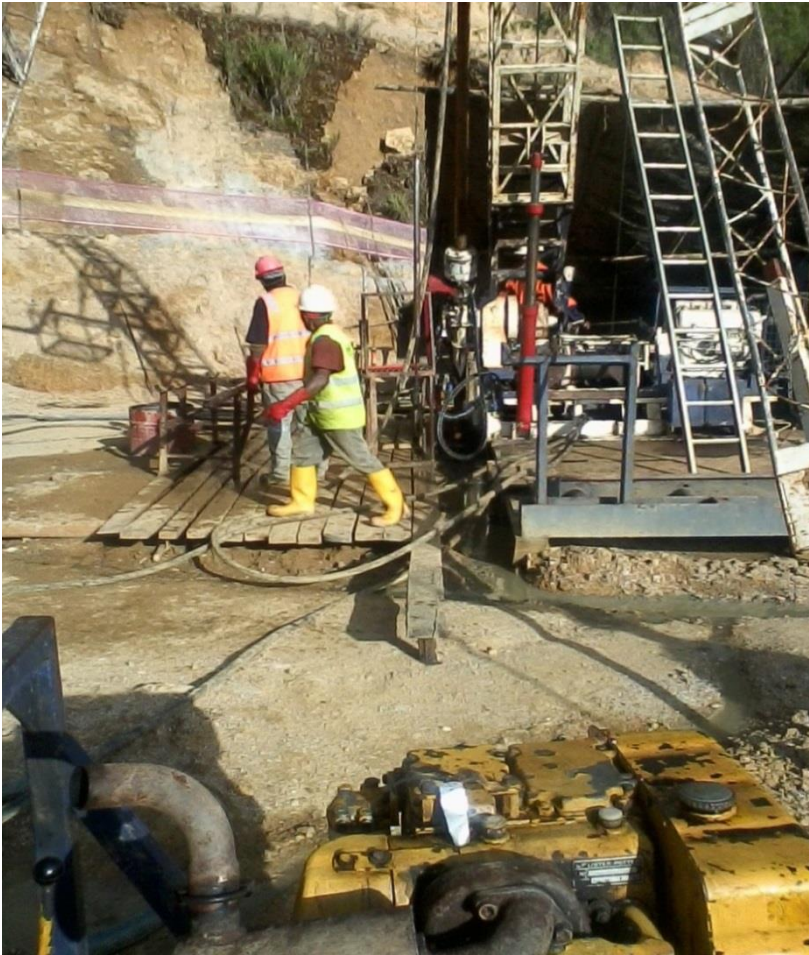


Going forward:

- **Increased throughput** and recoveries expected as a result of installation of new, and modifications to existing, processing infrastructure including:
 - 5tph ball mill,
 - Upgrade of Gekko ISP concentrators
 - New, larger vibrating feeder
- **Increased and more reliable mining capacity** through purchase of 3 x 2nd hand Komatsu D85 bulldozers and a 40t articulated tip truck



Edie Creek Drilling Programs



- Edie Creek is **highly underexplored** – with only 45 drill holes for approx. 6,600m since drilling commenced in 1988.
- Niuminco is testing for **extensions of known vein and lode systems** and **bulk tonnage targets** using their **own drill rigs and crew**.
- **Very promising results** from 5 holes in the **Enterprise vein system** and 2 holes into the Karuka/Enterprise stock-work, **confirming potential of this bulk-tonnage target**.

Edie Creek Drilling Programs



- Niuminco drill rig & crew drilling EDD024 at **Karuka/Enterprise stock-work and diatreme.**
- EDD024 intercepted **48m @ 1.72g/t** from surface.

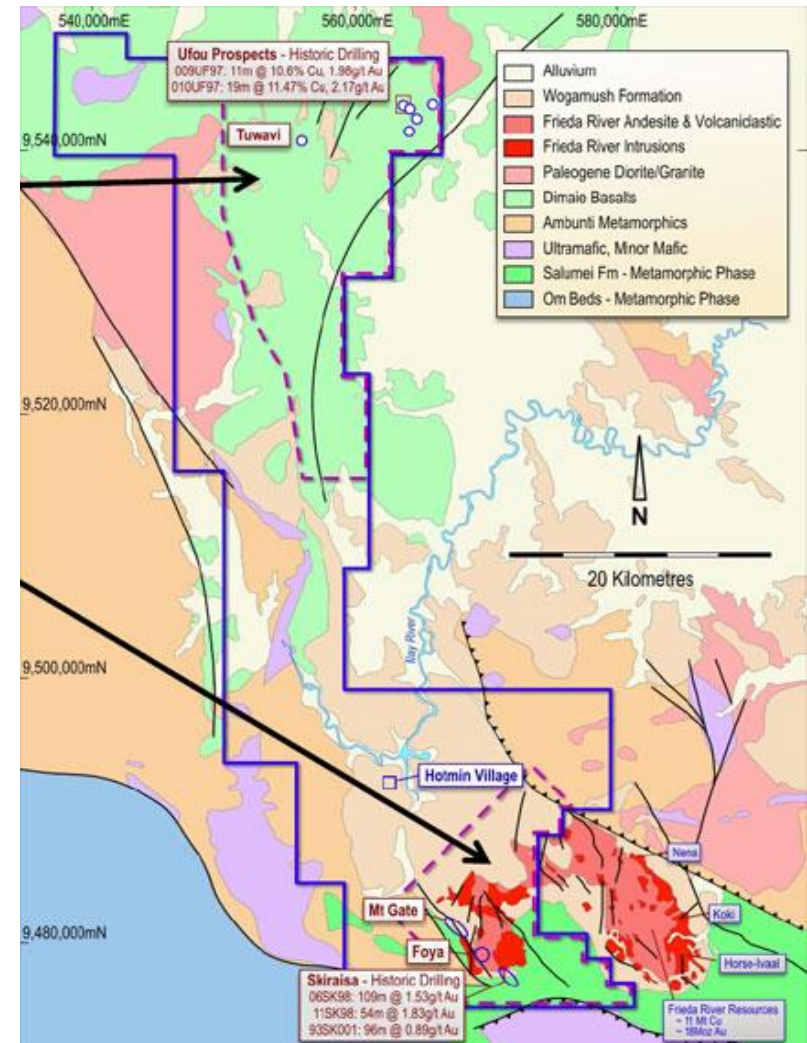


- Niuminco drill rig and team drilling one of the six holes in the **Enterprise vein system.**
- All 6 holes had **high grade intercepts**

May River Project – Adjoins Frieda River



- Niuminco's May River Project is a large tenement holding which **adjoins the 21Moz Au, 13Mt Cu Frieda River deposit.**
- **Highly prospective for both copper/gold porphyry deposits and smaller, high-grade epithermal gold deposits.**
- Existing airstrip, and major supplies brought in by low-cost river transport.
- Renewal of term application to September 2019 has been lodged.
- **Over \$4.0 million spent by Mincor/Niuminco from 2012-2017.**
- **2-3 hole drilling program at Skiraisa underway.**

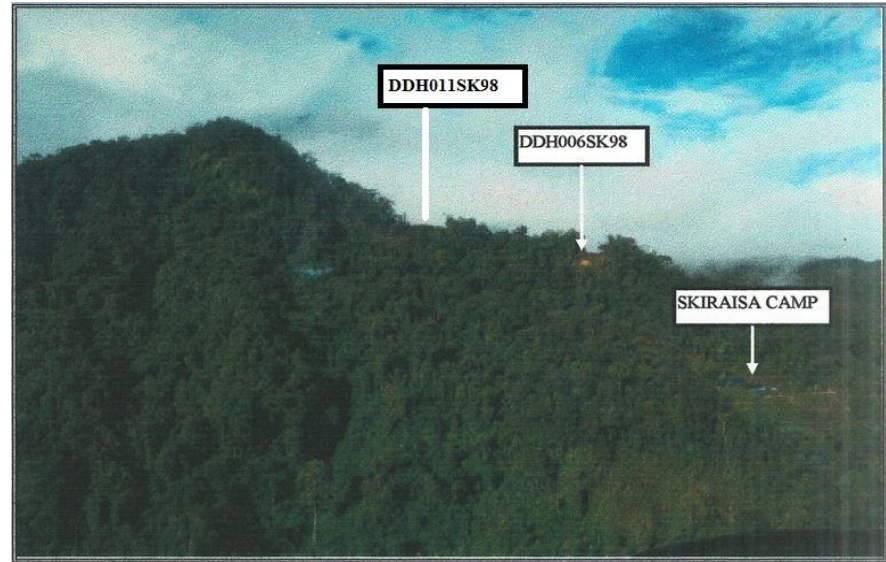


Copper/gold Porphyry and Epithermal gold

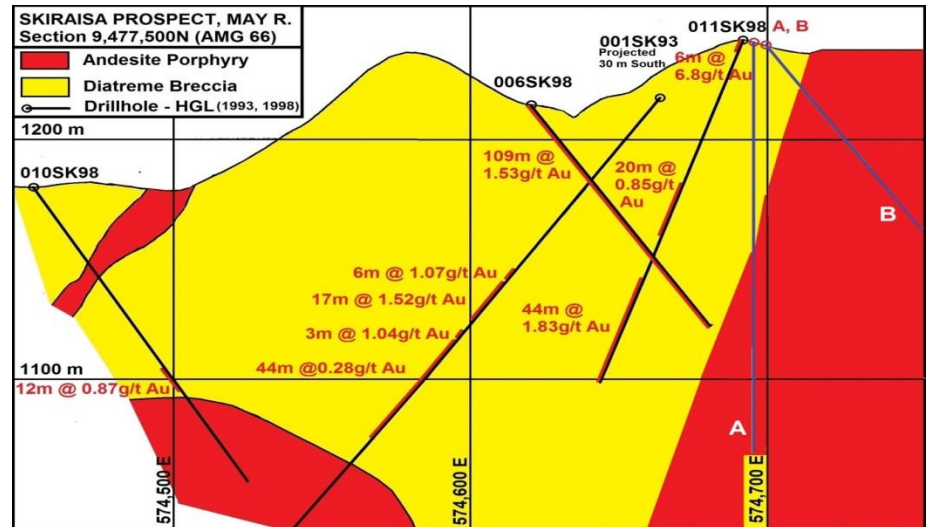


Adjoins World-Class Frieda River

- Niuminco has completed significant geophysical exploration programs and commenced its 2-3 hole drilling program at Skiraisa, South May River from the historical 011SK98 hole drill pad (with planned holes **A** and **B** in the adjacent diagram).



- May River has **historical drilling highlights** of:
 - 006SK98 : **109m @ 1.53g/t Au**
 - 011SK98: **44m @ 1.83g/t Au**
 - 001SK93: **96m @ 0.89g/t Au**



Bolobip Project

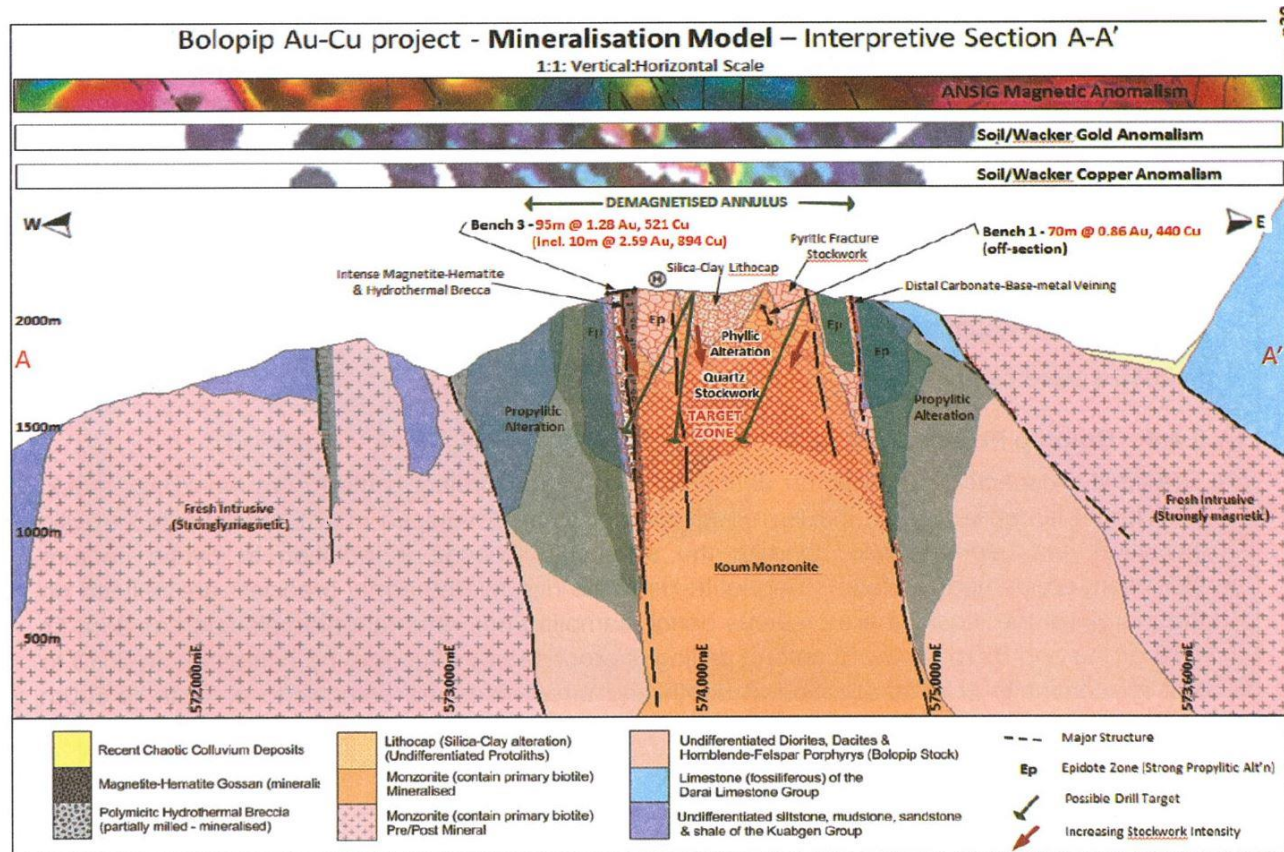


- Tenement EL1438 renewal application to September 2019 lodged.
- Since 2012/13, over **\$3.5 million** spent on exploration of the 320km² tenement.
- The exploration program centred around the Kaum Stock and focused on detailed mapping of geology, alteration and structure along with execution of a heli-magnetic and radiometric program.
- Potential for discovery of economic gold/copper mineralisation is considered significant and a 3 hole, 900m diamond drill program is underway.



A Major Copper Gold Porphyry Target 60km East of Ok Tedi Mine

Bolobip – Drill Targets



- A multi-phase intrusive complex. 3 hole, 900m drill program is underway.
- Latest data shows coherent 1km diameter copper and gold anomaly.
- Classic geochemical signature of a leached cap above a mineralised copper-gold porphyry system. Extensive surface gold mineralisation in trench channel samples (CRA exploration, 1990s).

Niuminco – Expanding Producer and Explorer



- The Niuminco Group is focussed on accelerated expansion in Papua New Guinea including:
- **Delivering significantly increased mining & processing volumes at EDIE CREEK** of 40-60 tpd (targeting >150oz Au per month) following the recent **installation and commissioning of new processing plant and equipment**, and purchase of **additional mining equipment**;
- **Achieving** consistent **positive cash flow from Edie Creek** to allow Niuminco to:
 - **Accelerate low cost exploration and extension drilling at Edie Creek .**
 - **Continue low cost drilling** following completion of the current 3 holes at **BOLOBIP**.
 - **Continue exploration drilling at SOUTH MAY RIVER**, and at other identified, highly prospective targets following completion of the current 2-3 hole program at Skiraisa.

Thank You – Contact Us



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