



**MAKING A  
DIFFERENCE**

**IGO Limited**

**2Q20 and 1H20 Results Presentation**

30 January 2020

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- There are a number of risks specific to IGO and of a general nature which may affect the future operating and financial performance of IGO and the value of an investment in IGO including and not limited to economic conditions, stock market fluctuations, commodity demand and price movements, access to infrastructure, timing of environmental approvals, regulatory risks, operational risks, reliance on key personnel, reserve and resource estimations, native title and title risks, foreign currency fluctuations and mining development, construction and commissioning risk. The production guidance in this presentation is subject to risks specific to IGO and of a general nature which may affect the future operating and financial performance of IGO.
- All currency amounts in Australian Dollars unless otherwise noted.
- Quarterly Financial Results are unaudited.
- Net Debt is outstanding debt less cash balances and Net Cash is cash balance less outstanding debt.
- Cash Costs are reported inclusive of Royalties and after by-product credits on per unit of payable metal basis, unless otherwise stated.
- IGO reports All-in Sustaining Costs (AISC) per ounce of gold for its 30% interest in the Tropicana Gold Mine using the World Gold Council guidelines for AISC. The World Gold Council guidelines publication was released via press release on 27 June 2013 and is available from the World Gold Council's website.
- Underlying EBITDA is a non-IFRS measure and comprises net profit or loss after tax, adjusted to exclude tax expense, finance costs, interest income, asset impairments, gain/loss on sale of subsidiary, redundancy and restructuring costs, depreciation and amortisation, and once-off transaction costs.
- Free Cash Flow comprises Net Cash Flow from Operating Activities and Net Cash Flow from Investing Activities. Underlying adjustments exclude acquisition costs, proceeds from investment sales and payments for investments and mineral interests.

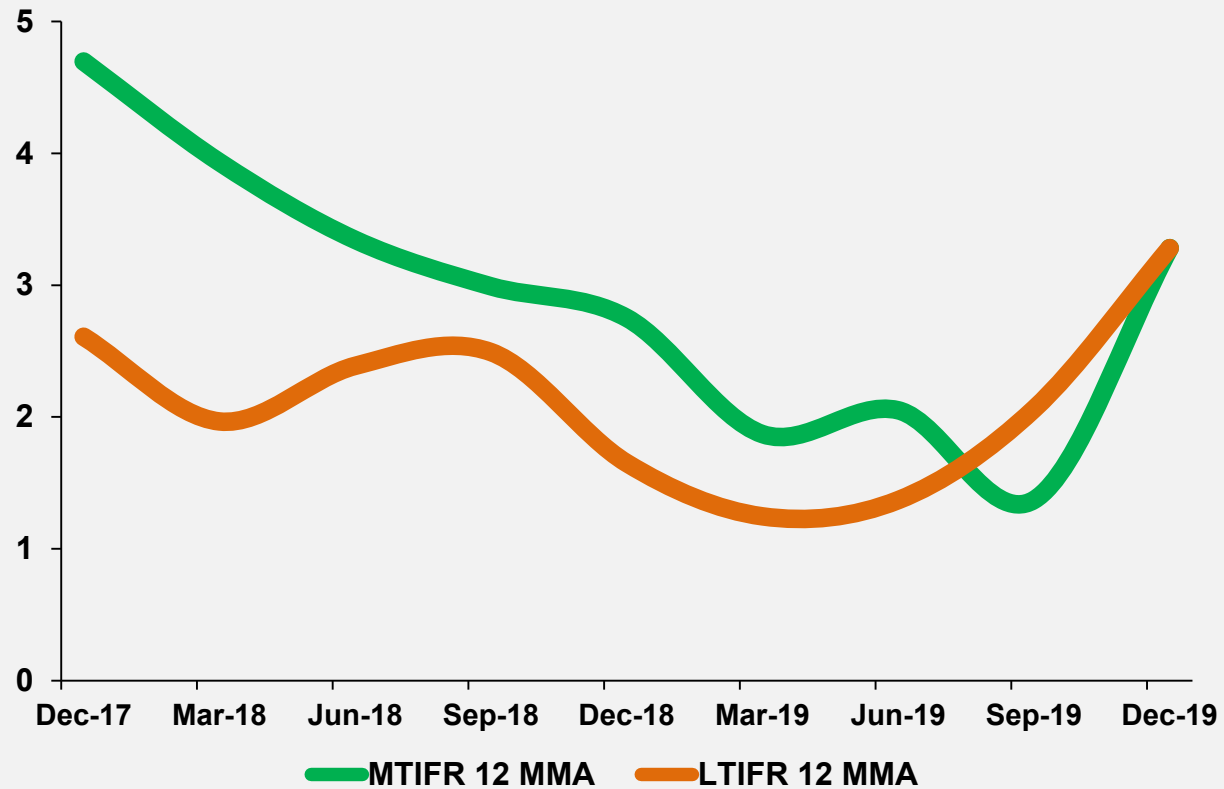
# Competent Person's Statements



- Any references to IGO Mineral Resource and Ore Reserve estimates should be read in conjunction with IGO's Annual Update of Exploration Results, Mineral Resources and Ore Reserves dated 30 January 2020 (Annual Statement) and lodged with the ASX for which Competent Person's consents were obtained, which is also available on the IGO website.
- The information in this presentation that relates to the Boston Shaker Feasibility Study is extracted from the ASX announcement dated 28 March 2019 entitled "Tropicana JV Approves Boston Shaker Underground" and for which a Competent Person consent was obtained.
- The information in this presentation that relates to Exploration Results is extracted from the Prodigy Gold (PRX) ASX release dated 16 October 2019 entitled "Lake Mackay JV Update – New Gold Prospect Identified" for which Competent Person's consents were obtained.
- The Company confirms that it is not aware of any new information or data that materially affects the information included in the original ASX announcements released 28 March 2019, 16 October 2019 and 30 January 2020 and, (i) in the case of estimates or Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the original ASX announcement continue to apply and have not materially changed, (ii) the Competent Person's consents remain in place for subsequent releases by the Company of the same information in the same form and context, until the consent is withdrawn or replaced by a subsequent report and accompanying consent, and (iii) the form and context in which the Competent Person's findings are presented have not been materially modified from the original ASX announcement.



Key Lag Injury Metrics<sup>(1,2,3)</sup>



- 1) IGO reports safety metrics in accordance with Australian Standard AS 1885.1:1990 which incorporates fatalities in the calculation of LTIFR. For clarity, it is noted that fatality is captured in the calculation of the LTIFR.
- 2) 12 month moving average LTIFR – Lost Time Injury Frequency Rate: calculated as the number of Lost Time injuries x 1,000,000 divided by the total number of hours worked.
- 3) 12 month moving average MTIFR – Medically Treated Injury Frequency Rate: calculated as the number of medically treated injuries x 1,000,000 divided by the total number of hours worked..

**Recent safety performance in the last six months has been disappointing**

**Strategy and work program in place to remedy this situation**

**Focus on safe, efficient and productive workplace, management systems and the culture/behaviours**

# Sustainability

**Demonstrated commitment to best in class sustainability practices**



**Nova hybrid solar PV-diesel  
facility completed – set to  
reduce emissions by  
~6,500t CO<sub>2</sub>/year**

**2019 Sustainability Report  
published**

**IGO included in Dow Jones  
Sustainability Index at 78th  
percentile**



# 2Q20 Highlights

Excellent operational performance from Nova and Tropicana continues



**Metal production from both Nova and Tropicana above top end of pro-rata FY20 guidance range**

**New offtake agreements signed with BHP and Trafigura with materially improved commercial terms**

**Takeover bid for Panoramic Resources allowed to lapse**

**Net Cash**  
**A\$396M**

**Underlying EBITDA**  
**A\$117M**

**Underlying FCF**  
**A\$135M**

**Strong group EBITDA margin**  
**~55%**

# 1H20 Financial Results Highlights

Record half yearly profit and strengthening balance sheet



Record half yearly NPAT result  
**A\$100M**

Cash of **A\$453M**  
Net Cash of **A\$396M**

Underlying EBITDA  
**A\$271M**

Underlying Free Cash Flow  
**A\$206M**

Nova and Tropicana remain on track to deliver in line with full year production guidance

# 2Q20 Financial Results

Excellent production result offset by lower realised commodity prices



|                                          | Units | 1Q20  | 2Q20  | QoQ   |
|------------------------------------------|-------|-------|-------|-------|
| Revenue and Other Income                 | A\$M  | 263.1 | 211.6 | (20%) |
| Underlying EBITDA <sup>(1)</sup>         | A\$M  | 153.9 | 116.7 | (24%) |
| Profit After Tax                         | A\$M  | 66.0  | 34.1  | (48%) |
| Net Cash from Operating Activities       | A\$M  | 89.4  | 156.0 | 75%   |
| Underlying Free Cash Flow <sup>(2)</sup> | A\$M  | 70.1  | 135.4 | 93%   |
| Cash                                     | A\$M  | 321.2 | 452.8 | 41%   |
| Debt                                     | A\$M  | 57.1  | 57.1  | -     |
| Net Cash                                 | A\$M  | 264.0 | 395.6 | 50%   |

- Lower QoQ revenue driven by 19% decrease in nickel price
- Maintained strong Group EBITDA margins of 55%, while Free Cash Flow margins rose to 64%
- Collection of prior quarter Nova debtors increased cash from operating activities by 75% and underlying free cash flow by 93%.

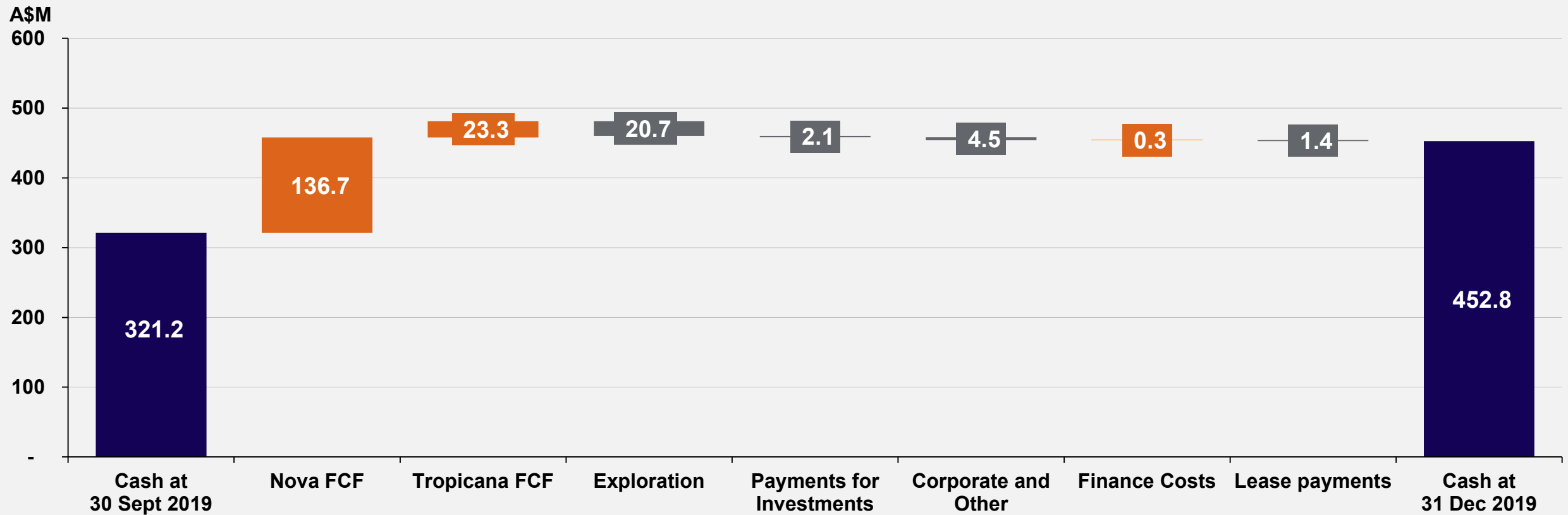
1) Underlying EBITDA is a non-IFRS measure (refer to Disclaimer page).

2) Free Cash Flow comprises Net Cash Flow from Operating Activities and Net cash Flow from Investing Activities. Refer to Disclaimer page for "Underlying" adjustments

# 2Q20 Cash Flow Reconciliation



Nova cash flows resulted in 41% increase in cash balance QoQ

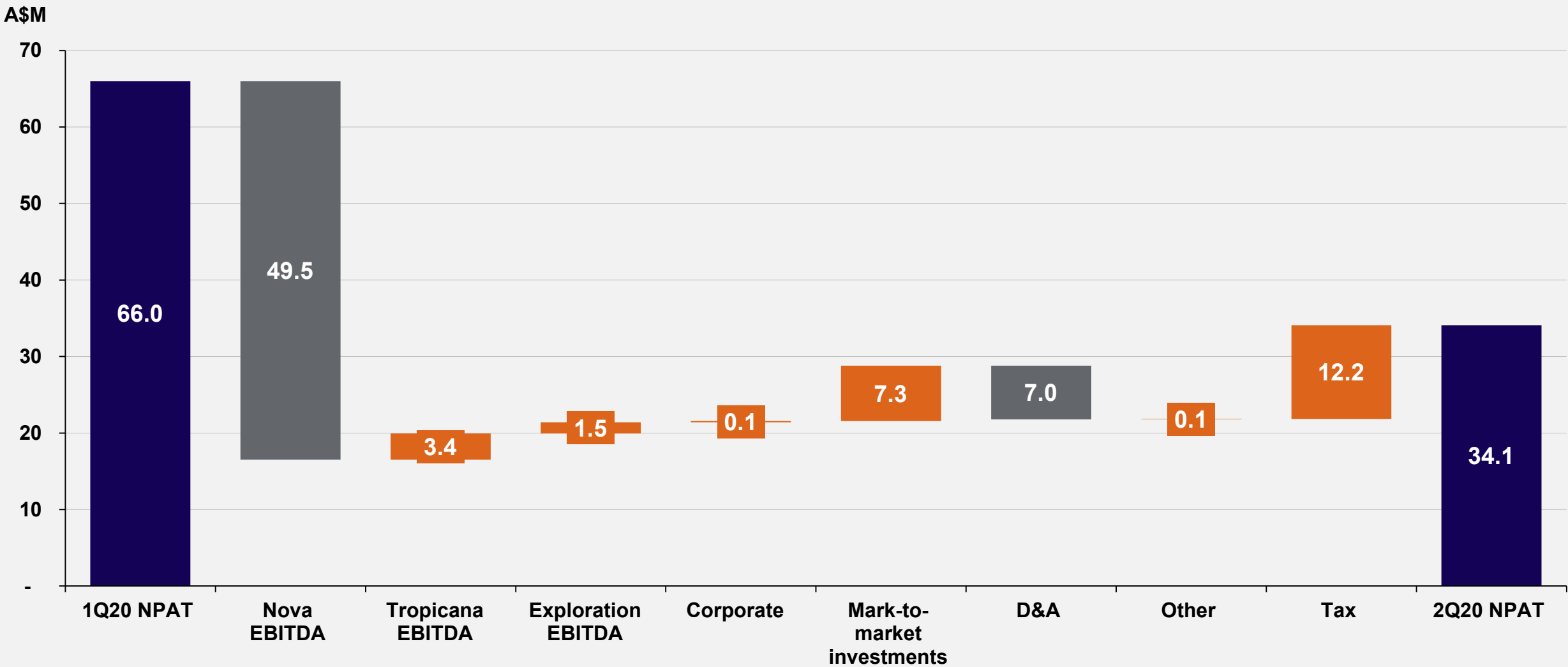


- Continued strong free cash generation from Nova driven by a combination of timing of sales receipts, above guidance metal production offset by QoQ lower nickel price
- Together with 1Q20 allows for a higher interim dividend return to shareholders of 6c per share

# 2Q20 NPAT Reconciliation



Change in QoQ Nova EBITDA primarily driven by 19% lower nickel price



# 1H20 Financial Results

Free Cash Flow generation continues to strengthen balance sheet



|                                          | Units | 1H19  | 1H20  | Inc/(Dec) |
|------------------------------------------|-------|-------|-------|-----------|
| Revenue and Other Income                 | A\$M  | 356.4 | 474.7 | 33%       |
| Underlying EBITDA <sup>(1)</sup>         | A\$M  | 130.5 | 270.7 | 107%      |
| Profit After Tax                         | A\$M  | 0.9   | 100.1 | ~11,000%  |
| Net Cash from Operating Activities       | A\$M  | 163.0 | 245.3 | 50%       |
| Underlying Free Cash Flow <sup>(2)</sup> | A\$M  | 111.4 | 205.5 | 84%       |
| Cash                                     | A\$M  | 208.1 | 452.8 | 118%      |
| Debt                                     | A\$M  | 114.3 | 57.1  | (50%)     |
| Net Cash                                 | A\$M  | 93.8  | 395.6 | 322%      |

- Record half yearly NPAT result of A\$100M
- 1H20 underlying free cash flows increased 84% due to improved production and commodity prices from both Nova and Tropicana
- Next scheduled debt repayment (A\$28.6M) due end of March 2020

1) Underlying EBITDA is a non-IFRS measure (refer to Disclaimer page).

2) Free Cash Flow comprises Net Cash Flow from Operating Activities and Net cash Flow from Investing Activities. Refer to Disclaimer page for "Underlying" adjustments

# 1H20 Cash Flow Reconciliation

Nova cash generation enhanced by strong metals prices



# 1H20 Segment Financial Results

Nova and Tropicana delivering outstanding financial performance



| Operation | Metric                           | 1H19  | 1H20  | Change | Inc/(Dec) |
|-----------|----------------------------------|-------|-------|--------|-----------|
| Nova      | Revenue                          | 215.1 | 317.3 | 102.2  | 48%       |
|           | Underlying EBITDA <sup>(1)</sup> | 94.0  | 206.8 | 112.8  | 120%      |
|           | Free Cash Flow <sup>(2)</sup>    | 88.4  | 206.2 | 117.8  | 133%      |
| Tropicana | Revenue                          | 136.4 | 154.3 | 17.9   | 13%       |
|           | Underlying EBITDA <sup>(1)</sup> | 85.2  | 98.2  | 13.0   | 15%       |
|           | Free Cash Flow <sup>(2)</sup>    | 47.1  | 49.8  | 2.7    | 6%        |

- 48% increase in Nova revenue driven by 40% increase in realised nickel price (A\$22,790/t vs 1H19 A\$16,271/t)
- Marginally lower Tropicana gold production offset by higher gold prices

1) Underlying EBITDA is a non-IFRS measure (refer to Disclaimer page).

2) Free Cash Flow comprises Net Cash Flow from Operating Activities and Net cash Flow from Investing Activities

# Resource and Reserves

## Significant mineral resources remain at Nova and Tropicana



### Nova Operation – estimates for the end of CY19

|                        | Mass<br>(Mt) | Nickel    |            | Copper    |            | Cobalt    |            |
|------------------------|--------------|-----------|------------|-----------|------------|-----------|------------|
|                        |              | Grade (%) | Metal (kt) | Grade (%) | Metal (kt) | Grade (%) | Metal (kt) |
| Total Mineral Resource | 11.6         | 2.01      | 234        | 0.80      | 94         | 0.07      | 8          |
| Total Ore Reserve      | 9.5          | 1.85      | 177        | 0.78      | 74         | 0.07      | 6          |

### Tropicana Gold Mine – estimates for the end of CY19

|                        | Mass<br>(Mt) | Gold        |             |
|------------------------|--------------|-------------|-------------|
|                        |              | Grade (g/t) | Metal (koz) |
| Total Mineral Resource | 128.5        | 1.70        | 7,020       |
| Total Ore Reserve      | 56.3         | 1.67        | 3,030       |



# Nova Nickel Operation

## Quarterly production exceeds top end of pro-rata guidance range for all metals

| Metric                        | Units     | 1Q20  | 2Q20  | 1H20   | Pro-rata Guidance <sup>1</sup> |
|-------------------------------|-----------|-------|-------|--------|--------------------------------|
| Nickel in concentrate         | t         | 7,724 | 7,513 | 15,236 | 13,500 - 15,000                |
| Copper in concentrate         | t         | 3,490 | 3,289 | 6,779  | 5,500 - 6,250                  |
| Cobalt in concentrate         | t         | 282   | 279   | 561    | 425 - 475                      |
| Cash cost (payable)           | A\$/lb Ni | 2.59  | 2.42  | 2.51   | 2.00 - 2.50                    |
| Sustaining/ improvement Capex | A\$M      | 1.9   | 2.0   | 3.9    | 12 - 13                        |
| Development Capex             | A\$M      | 0.8   | 0.4   | 1.2    | 3 - 4                          |

- **Marginally lower metal production driven by 9% lower milled tonnes QoQ offset by 7% higher Ni grade, 3% higher Cu grade**
- **6.5% reduction in QoQ cash costs driven by lower production costs (A\$0.26/lb) and lower royalties (A\$0.08/lb), partially offset by lower nickel production (A\$0.09/lb) and marginally lower by-product production (A\$0.15/lb)**
- **Recoveries during 2Q20 consistent with 1Q20 (86.8% Ni, 86.7% Cu)**

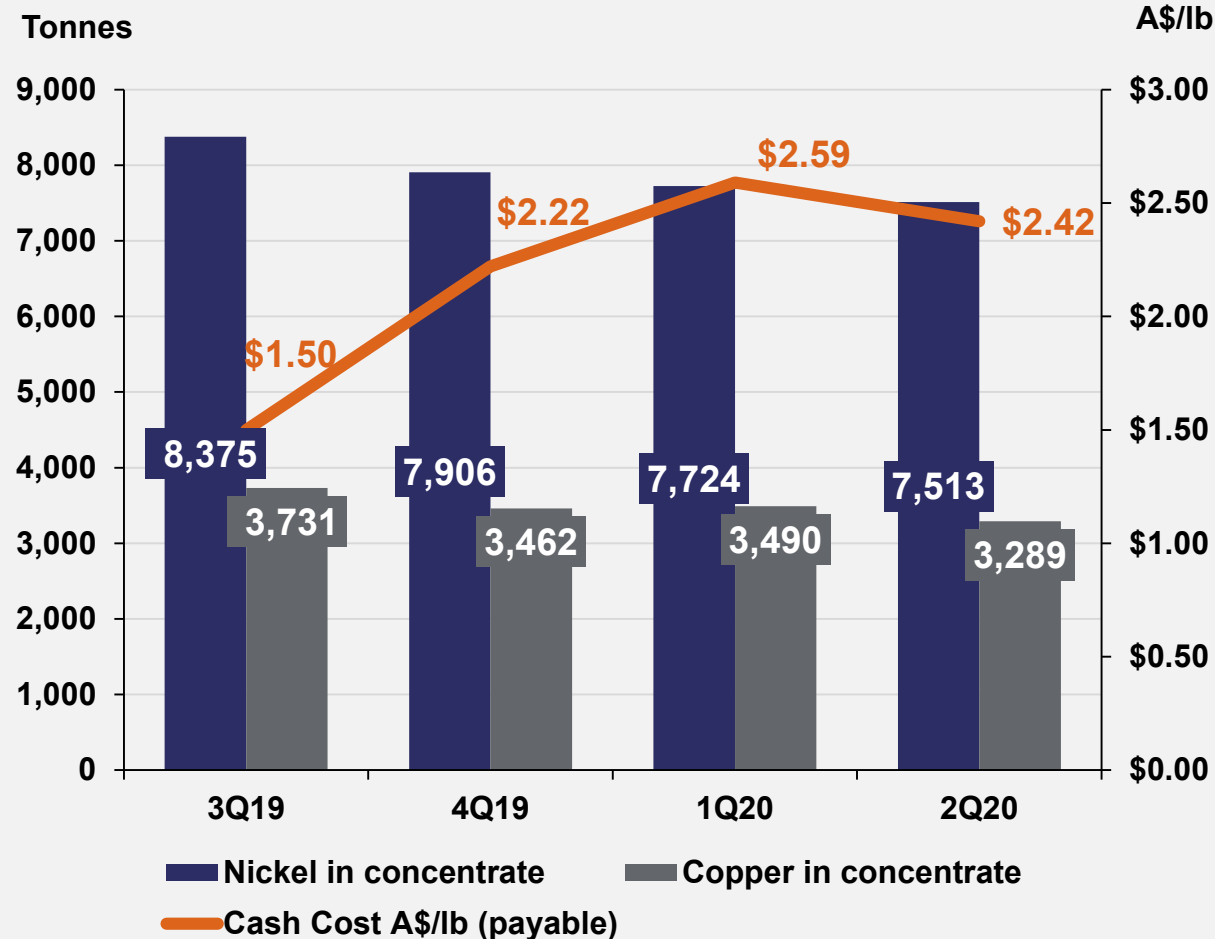
1) Pro-rata YTD guidance (FY20 guidance divided by two)

# Nova Production

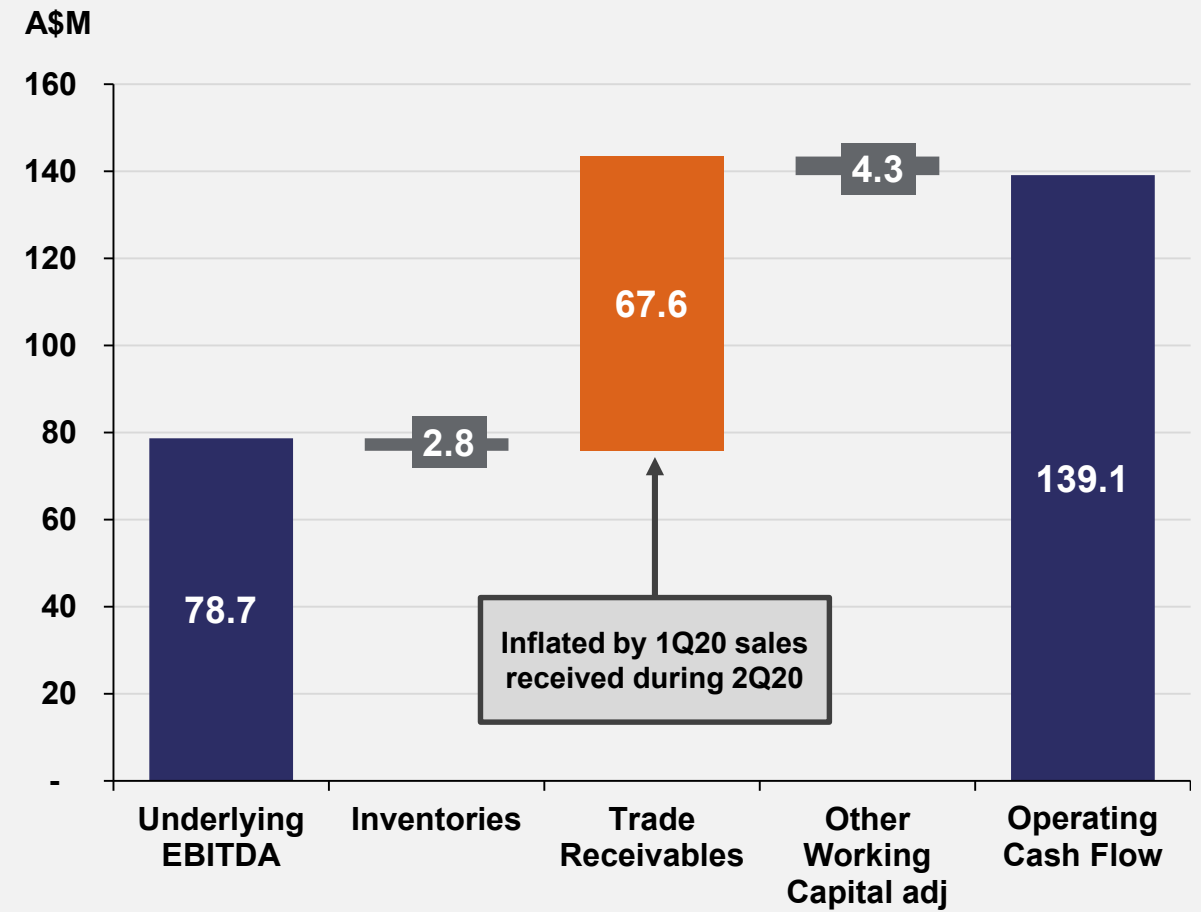
19% fall in nickel price QoQ impacted financial performance



## Nova Production



## Nova Cash Flow Reconciliation



# Offtake Agreements

Competitive concentrate tender process undertaken in parallel to downstream study



Strong global counterparty interest for Nova concentrate offtake

Materially improved commercial terms negotiated for nickel offtake

Domestic Downstream Nickel Sulphate Study ceased

| Summary of New Offtake Terms                                                        |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| BHP Billiton Nickel West Pty Ltd                                                    | Trafigura Pte. Ltd                                                                  |
|  |  |
| 50% of nickel concentrate                                                           | 50% of nickel concentrate<br>100% of copper concentrate                             |
| 5 year term <sup>1</sup>                                                            | 3 year term <sup>1</sup>                                                            |
| Commenced 1 January 2020 <sup>2</sup>                                               | Commenced 1 January 2020                                                            |

1) Subject to agreed notification periods and conditions.  
2) 50% of concentrate sales between 1 January 2020 and 30 June 2020 to be delivered under previous offtake contract terms

# **Tropicana Joint Venture**

**(IGO 30%, AngloGold Ashanti 70% and manager)**

# Tropicana Highlights

## 1H20 gold production ahead of pro-rata guidance

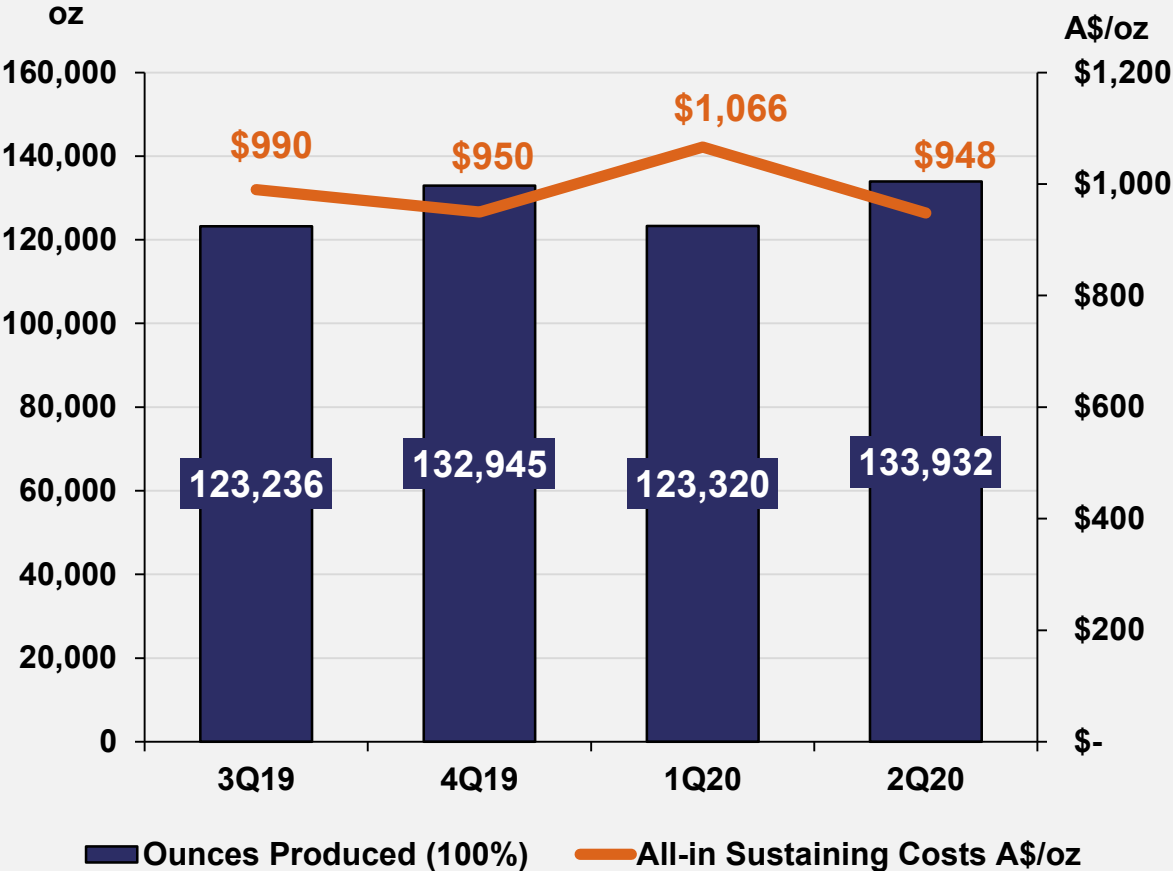


| Metric                  | Units  | 1Q20  | 2Q20  | 1H20  | Pro-rata Guidance <sup>(1)</sup> |
|-------------------------|--------|-------|-------|-------|----------------------------------|
| Gold produced (100%)    | koz    | 123.3 | 133.9 | 257.3 | 225,000 – 250,000                |
| Gold Sold (IGO 30%)     | koz    | 38.9  | 38.6  | 77.6  | 67,500 – 75,000                  |
| Cash cost               | A\$/oz | 741   | 698   | 719   | 700 – 780                        |
| AISC                    | A\$/oz | 1,066 | 948   | 1,007 | 1,090 – 1,210                    |
| Sustaining/improvement  | A\$M   | 3.4   | 4.0   | 7.4   | 6.5 – 7.5                        |
| Waste stripping         | A\$M   | 7.3   | 5.6   | 12.9  | 21.0 – 23.5                      |
| Underground capex (30%) | A\$M   | 4.4   | 6.9   | 11.3  | 13 – 14.5                        |

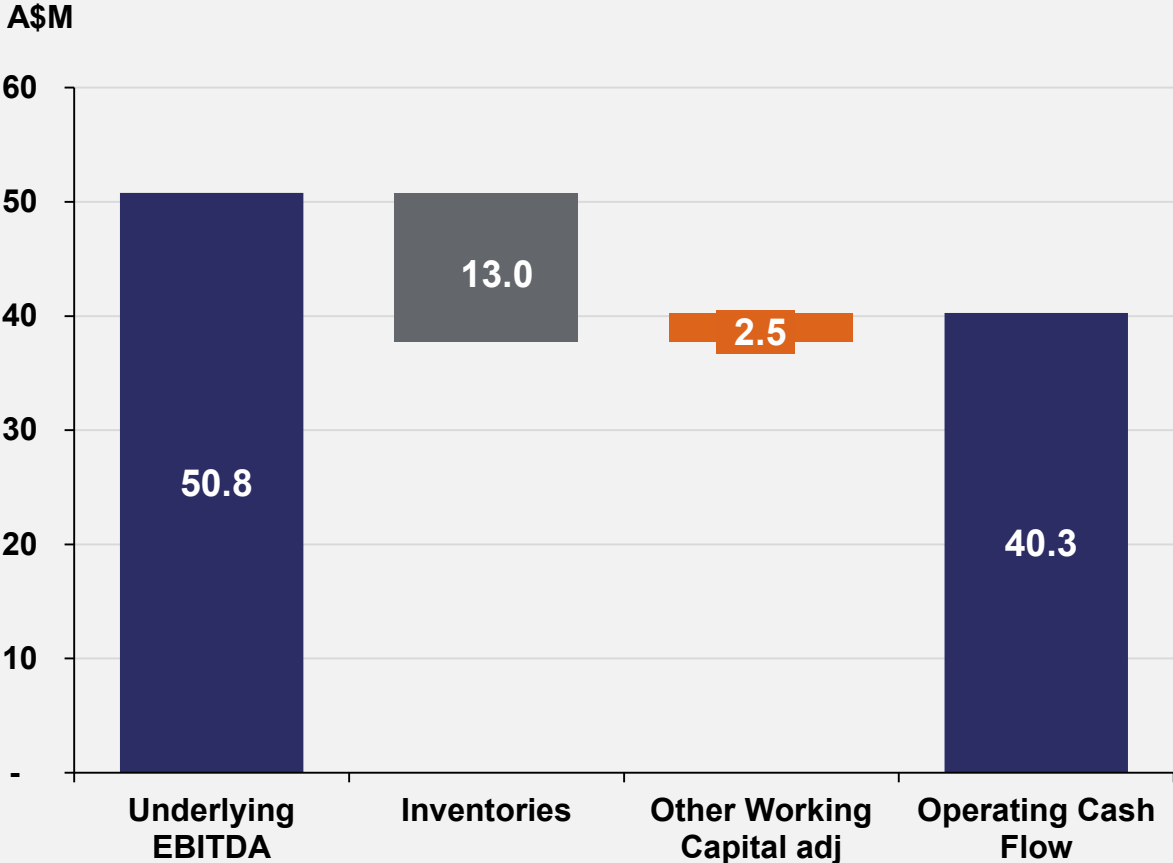
- **19% increase in ore mined QoQ with 4.4Mt of >0.6g/t ore at average grade of 1.56g/t Au**
- **9% QoQ increase in gold production driven by higher milled grade of 2.12g/t (1Q20: 1.90g/t Au)**
- **Gold recoveries increased to 90.3% (1Q20: 89.4%)**

1) Pro-rata YTD guidance (FY20 guidance divided by two)

## Tropicana Production (100% ) and AISC



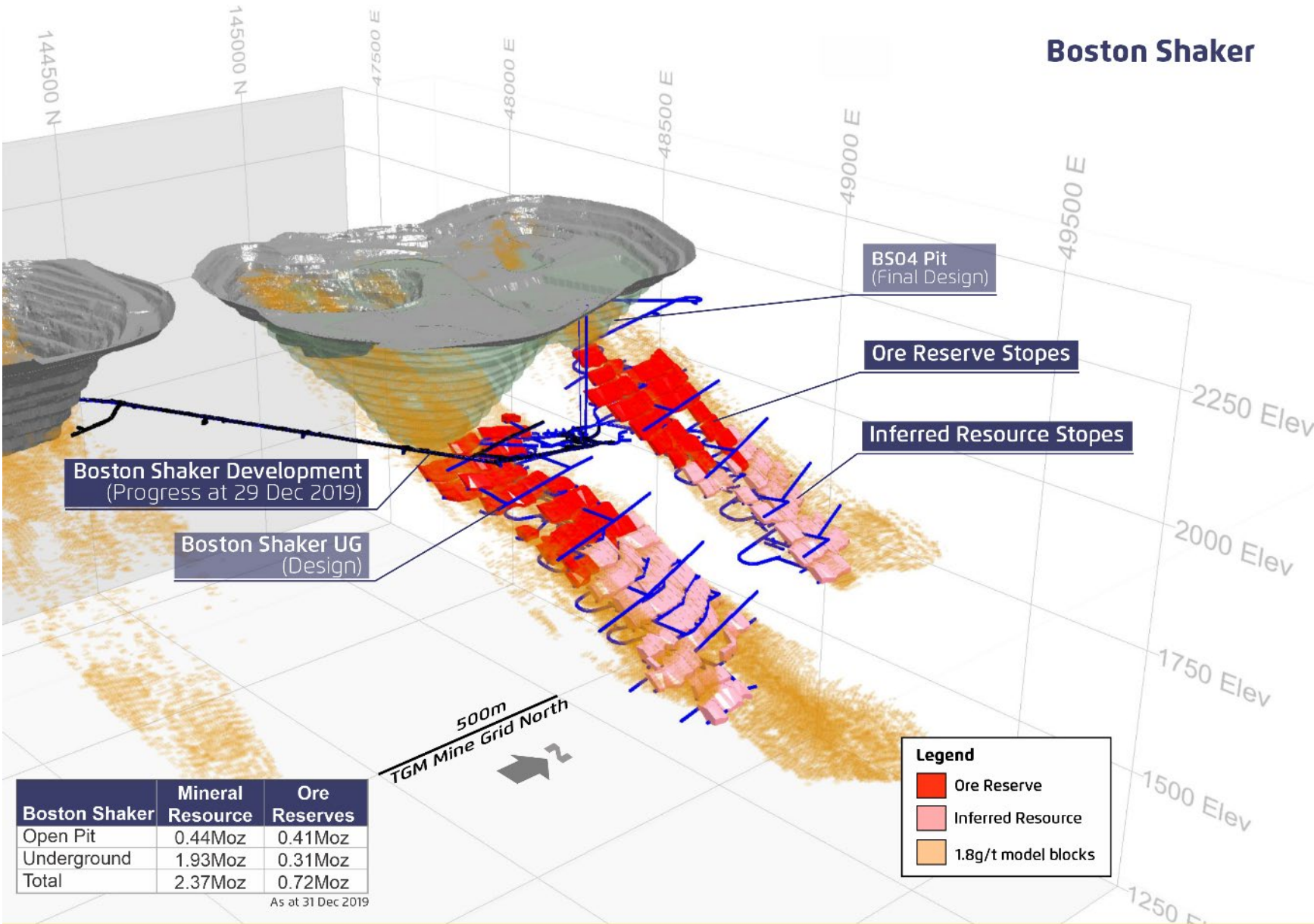
## Tropicana Cash Flow Reconciliation



Good progress on decline and raisebore development

Development on schedule – first gold expected 1Q21

Studies on additional underground opportunities being completed

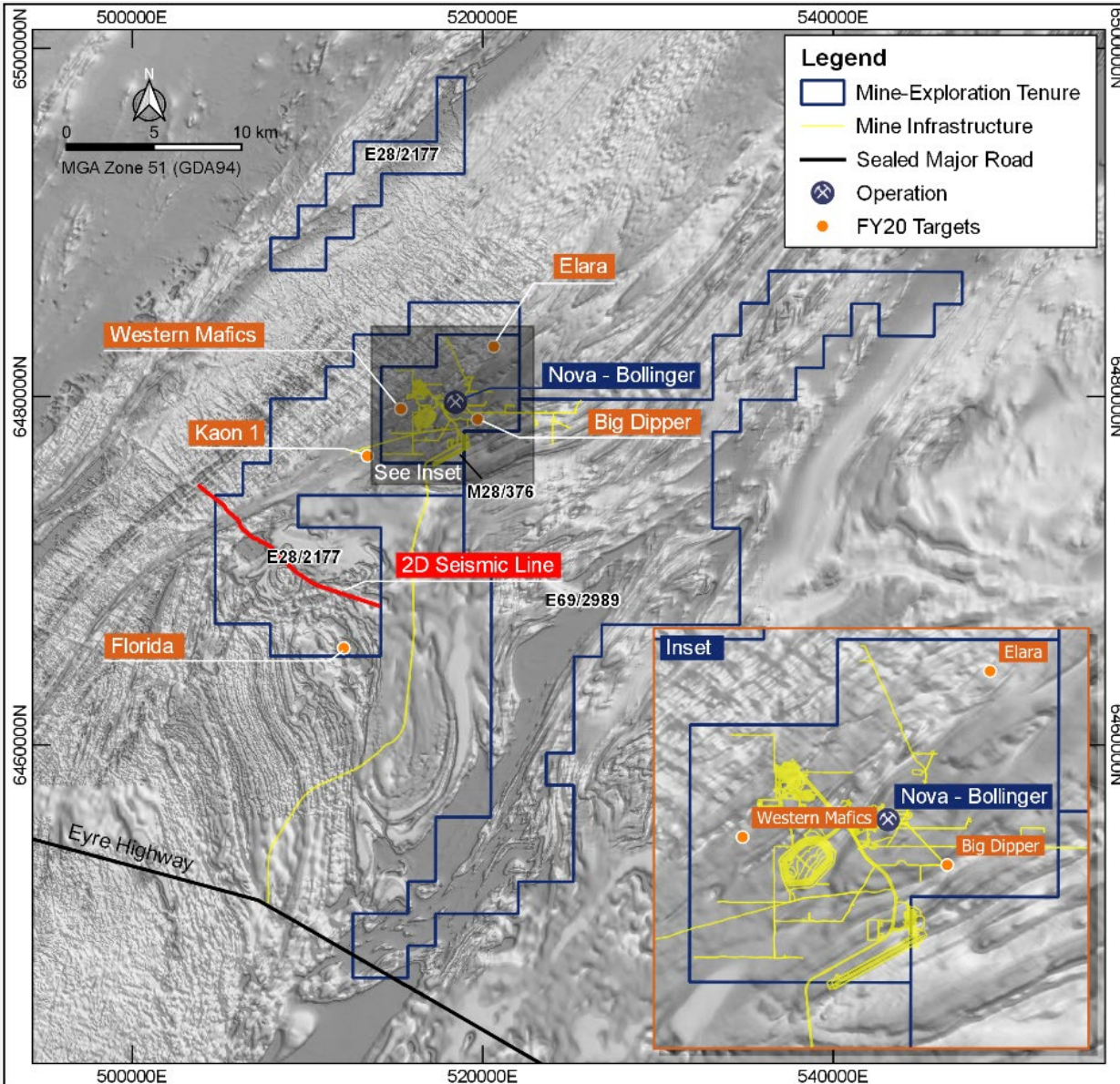


1) Refer to ASX release dated 28 March 2019: Tropicana Joint Venture Approves Boston Shaker Underground Development

An aerial photograph of a mining or exploration site. The ground is a mix of reddish-brown soil and dark grey, rocky terrain. Several workers in orange safety vests and white hard hats are visible, standing on the reddish soil. A white vehicle is partially visible in the top left corner. The overall scene suggests a large-scale earthmoving or mining operation.

# Exploration & Growth

## Diamond and AC drill program continuing over several targets



- 10 surface holes and 7 underground holes drilled for a total of 16,770m
- Successfully intersected 9 mafic/ultramafic intrusions outside the Nova “eye”, each containing variable disseminated magmatic nickel-copper sulphides
- AC drilling to west of Nova undertaken to follow up geochemical anomalies from previous programs
- Results support high prospectivity of the area to the south west of Nova

# Fraser Range

Work continues to unlock substantial opportunity for discovery



## Mammoth Prospect<sup>(1)</sup>

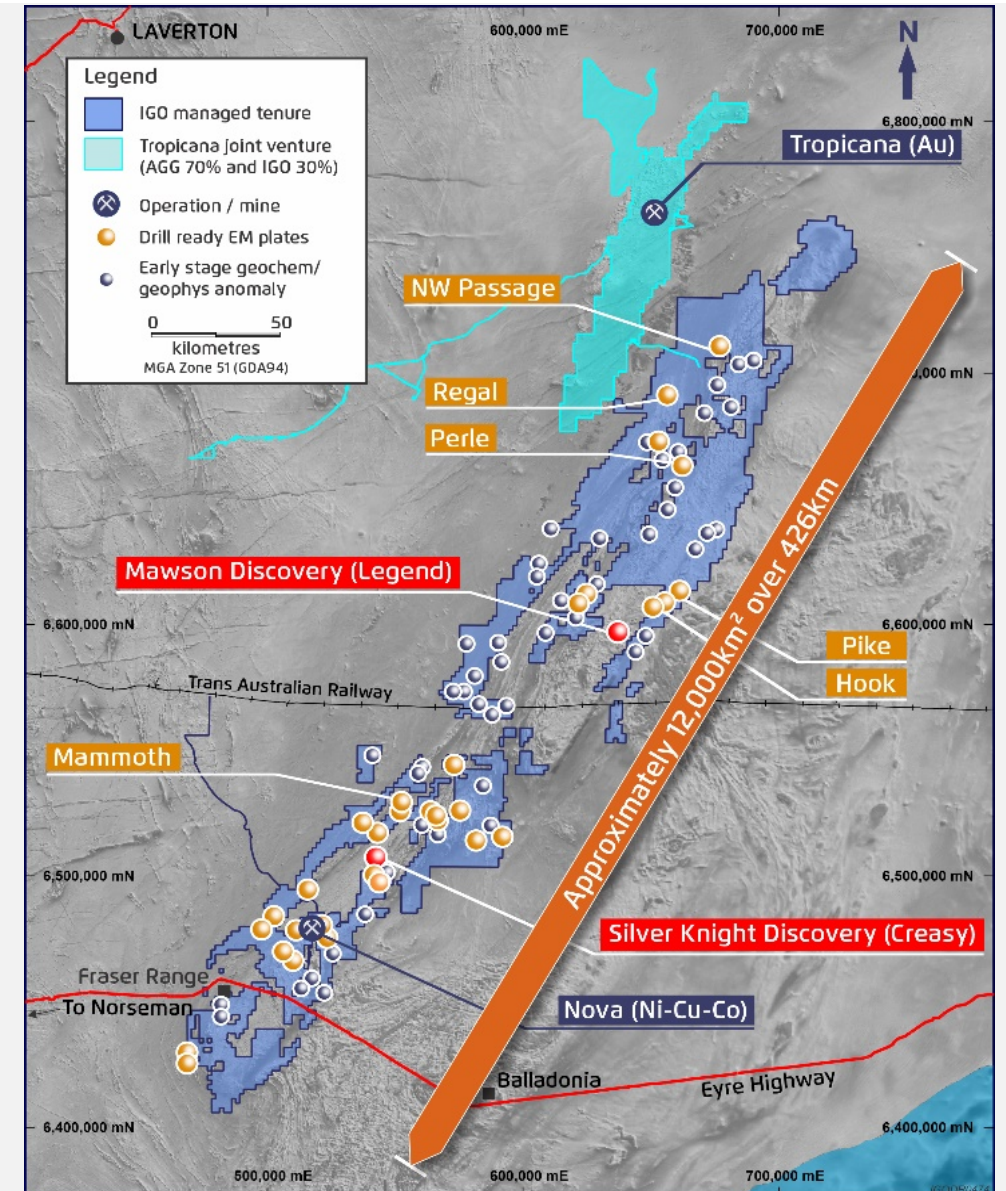
- Diamond drilling to test MLEM targets
- Narrow zone of semi massive nickel-copper sulphides intersected within mafic intrusive
- DHEM identified conductor to be tested in coming months

## Hook and Pike Prospects

- DHEM at Hook 2 has identified an off-hole conductor which will be tested
- EIS co-funded drill hole tested an EM conductor coincident with elevated copper - assays pending

## Other Regional Targets

- Regional AC drilling of 447 holes for 18,320m
- New mafic/ultra-mafic intrusive complexes continue to be identified



1) Mammoth Prospect is located on tenements IGO holds in joint venture with Classic Minerals Limited

# Lake Mackay

## Continuation of geophysics and drilling programs

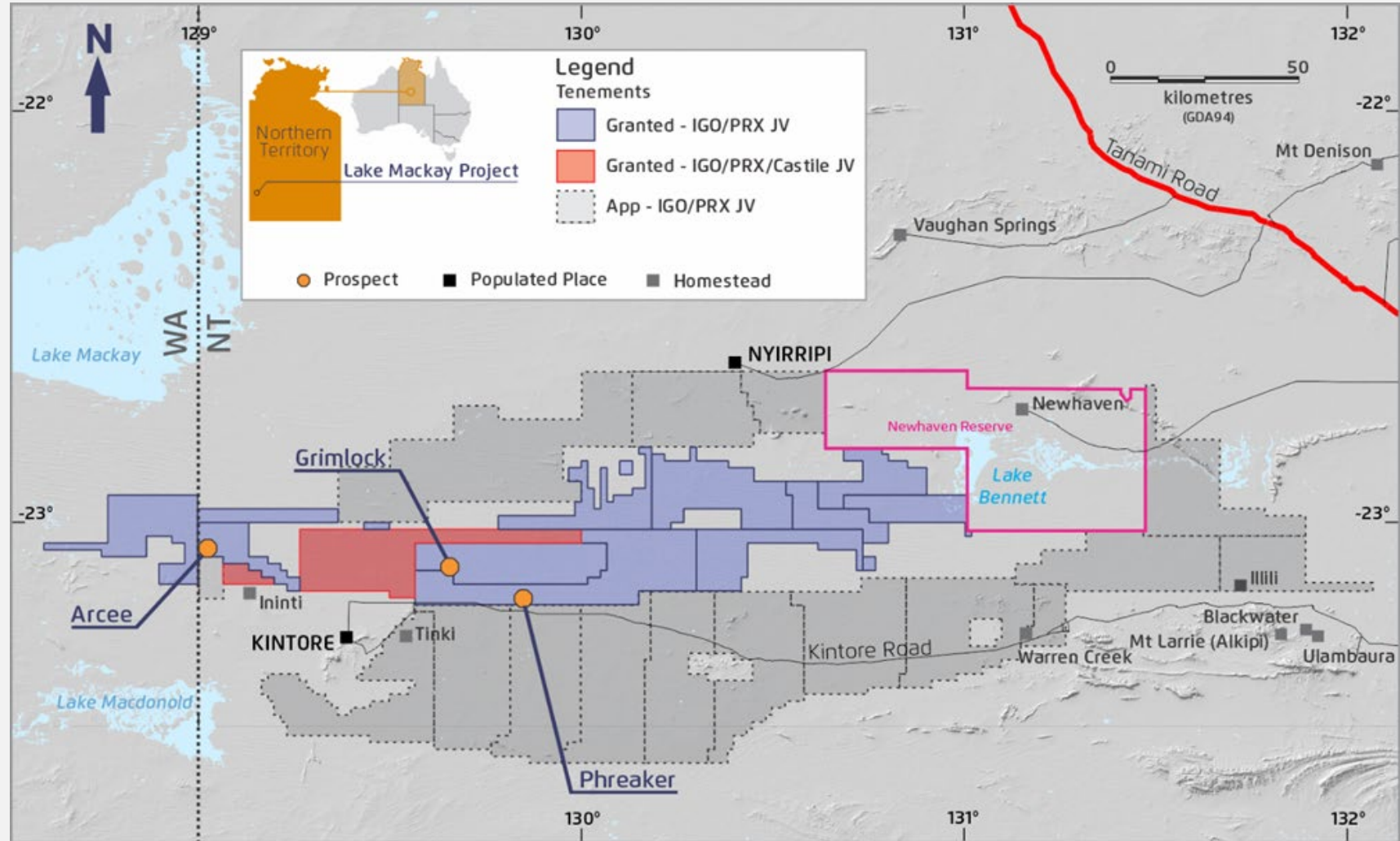


### Arcee Prospect

- 6 RC holes for 850m drilled to test ~600m of strike
- Drilling confirmed orientation of mineralisation
- Best intercepts include:
  - 4m @ 1.6g/t Au from 72m
  - 4m @ 1.5g/t Au from 104m

### Grimlock Prospect

- Bench scale test work conducted on cobalt-nickel-manganese duricrust samples to test leachability
- Promising metallurgical extractions achieved



# Kimberley Projects

## Airborne surveys underway

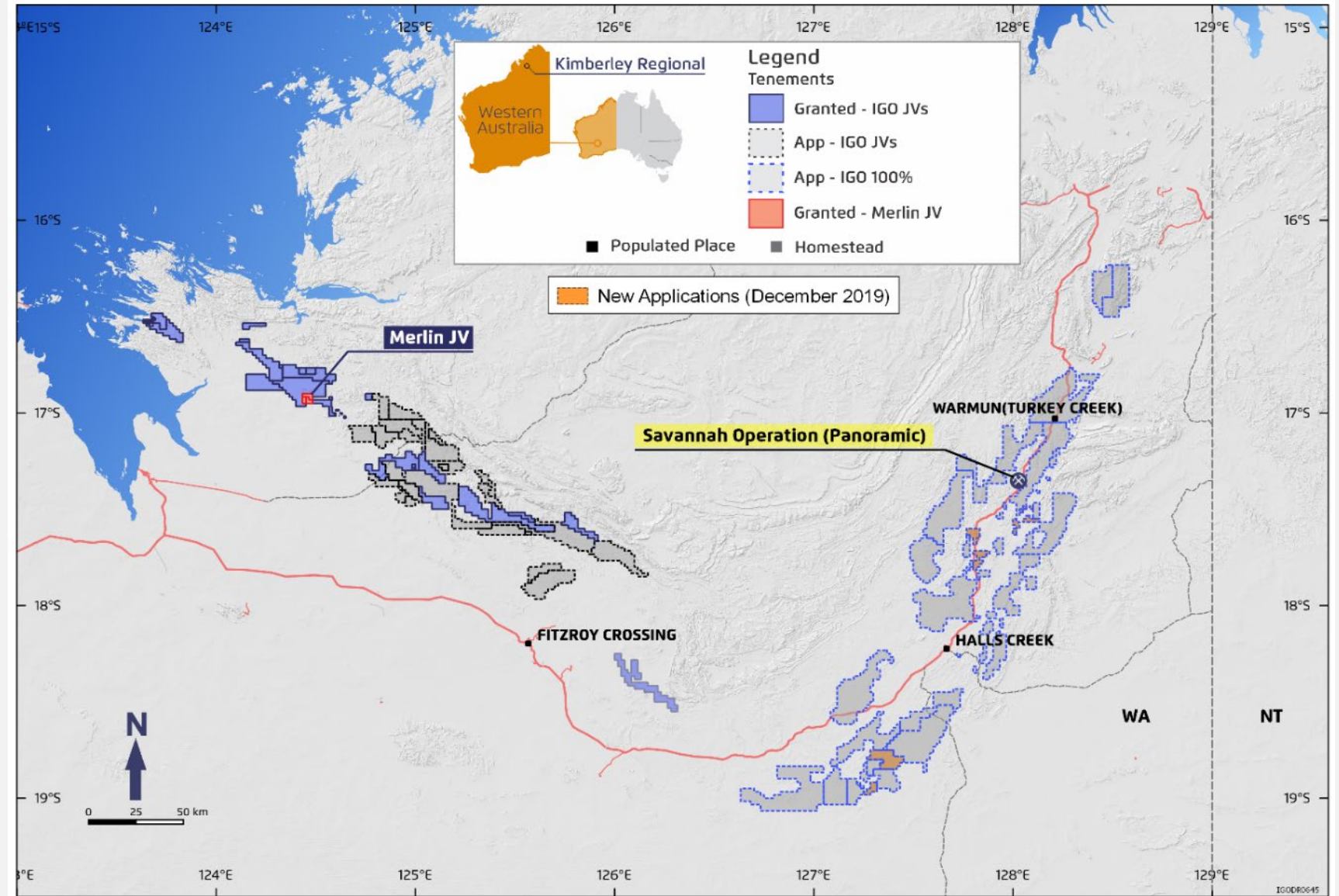


### West Kimberley

- 100m line spaced, 38,500 line kilometres of aeromagnetic and radiometric survey completed
- Airborne survey to continue during 2H20

### East Kimberley

- Additional 1,500km<sup>2</sup> staked in East Kimberley



# Tropicana Exploration

## Focus on Havana resource definition and regional targets

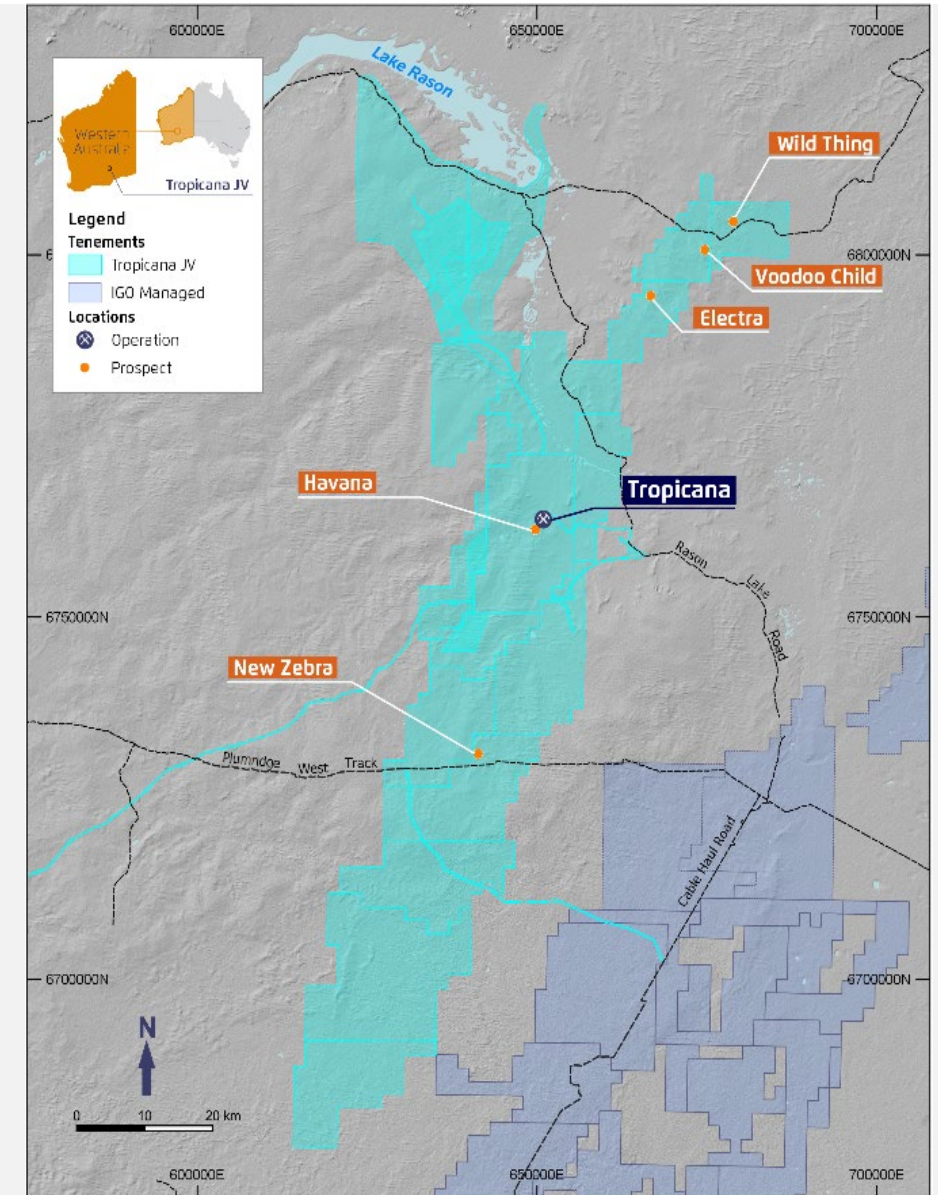


### Havana (Stage 4 and 6 cutback) resource definition

- 5,220m drilled, representing ~50% of total drilling meters for the quarter
- Objective was to de-risk resource and assess suitability for underground mining
- Results in line with previous drilling

### Regional drilling program

- RC drilling at several targets including Voodoo Child, Wild Thing and Electra
- Results demonstrate mineralisation over ~500m strike from Voodoo Child
- Strong gold also intersected at New Zebra



# Panoramic Takeover Offer

## Disciplined approach to M&A



### Launch of conditional public takeover offer

4 November 2019

- Offer conditions designed to protect IGO shareholders
- Offer presented win-win scenario for IGO and PAN shareholders
- Public offer following lack of engagement over preceding 12 months
- Strong PAN shareholder support on launch



### Offer Period

- PAN breached various of IGO conditions including a production downgrade and capital raising
- Due diligence completed
- PAN commissioned Independent Experts Report (IER) found IGO's offer was fair and reasonable
- IGO extended offer deadline



### Offer Lapse

17 January 2020

- Public disclosures by PAN following offer launch eroded value proposition for IGO
- IGO determined not to waive breaches of offer



# Summary

# Concluding Comments

Excellent operational performance from Nova and Tropicana



**Metal production on track to meet FY20 production guidance**

**Free cash flow generation continuing to strengthen the balance sheet**

**Continued focus on growth through exploration & disciplined M&A with a clean energy metals focus**





# MAKING A DIFFERENCE

We believe in a world where people power makes amazing things happen. Where technology opens up new horizons and clean energy makes the planet a better place for every generation to come.

We are bold, passionate, fearless and fun – a smarter, kinder, more innovative company. Our work is making fundamental changes to the way communities all over the world grow, prosper and stay sustainable.

Our teams are finding and producing the specialist metals that will make energy storage mobile, efficient and effective enough to make long-term improvements to the lifestyle of hundreds of millions of people across the globe.

How? New battery storage technology is finally unleashing the full potential of renewable energy by allowing power produced from sun, wind and other sources to be stored and used when and where it's needed.

This technology will impact future generations in ways we cannot yet imagine, improving people's quality of life and changing the way we live.

We believe in a green energy future and by delivering the metals needed for new age batteries, we are making it happen.

**This is the IGO Difference.**

# Appendix 1

## Nova Mineral Resource and Ore Reserve<sup>1</sup>



### Nova Operation – Mineral Resource estimate for the end of CY18/19

| Source                      | JORC Class      | 31 December 2018 |            |            |            |            |             |          | 31 December 2019 |             |            |            |           |             |          |
|-----------------------------|-----------------|------------------|------------|------------|------------|------------|-------------|----------|------------------|-------------|------------|------------|-----------|-------------|----------|
|                             |                 | Mass (Mt)        | Nickel     |            | Copper     |            | Cobalt      |          | Mass (Mt)        | Nickel      |            | Copper     |           | Cobalt      |          |
|                             |                 |                  | (%)        | (kt)       | (%)        | (kt)       | (%)         | (kt)     |                  | (%)         | (kt)       | (%)        | (kt)      | (%)         | (kt)     |
| Underground                 | Measured        | 12.5             | 2.1        | 261        | 0.80       | 104        | 0.07        | 9        | 10.9             | 2.07        | 226        | 0.83       | 90        | 0.07        | 7        |
|                             | Indicated       | 0.6              | 1.0        | 6          | 0.40       | 2          | 0.04        | <1       | 0.6              | 0.96        | 6          | 0.44       | 3         | 0.04        | <1       |
|                             | Inferred        | <0.1             | 1.9        | 1          | 0.7        | <1         | 0.06        | <1       | <0.1             | 1.9         | 1          | 0.7        | <1        | 0.06        | <1       |
|                             | <b>Subtotal</b> | <b>13.2</b>      | <b>2.0</b> | <b>268</b> | <b>0.8</b> | <b>106</b> | <b>0.07</b> | <b>9</b> | <b>11.5</b>      | <b>1.9</b>  | <b>232</b> | <b>0.8</b> | <b>96</b> | <b>0.06</b> | <b>7</b> |
| Stockpiles                  | Measured        | 0.1              | 2.1        | 1          | 0.9        | 1          | 0.08        | <1       | 0.1              | 1.88        | 1          | 0.8        | 1         | 0.06        | <1       |
| Total                       | Measured        | 12.6             | 2.10       | 263        | 0.80       | 104        | 0.07        | 9        | 12.0             | 1.93        | 231        | 0.8        | 93        | 0.06        | 8        |
|                             | Indicated       | 0.6              | 1.00       | 6          | 0.40       | 2          | 0.04        | <1       | 0.7              | 0.87        | 6          | 0.4        | 3         | 0.03        | <1       |
|                             | Inferred        | <0.1             | 1.9        | 1          | 0.7        | <1         | 0.06        | <1       | 0.0              | 1.84        | 1          | 0.7        | 0         | 0.06        | <1       |
| <b>Nova Operation total</b> |                 | <b>13.2</b>      | <b>2.0</b> | <b>270</b> | <b>0.8</b> | <b>107</b> | <b>0.07</b> | <b>9</b> | <b>11.6</b>      | <b>2.01</b> | <b>234</b> | <b>0.8</b> | <b>94</b> | <b>0.07</b> | <b>8</b> |

- The end of CY19 MRE is reported using a A\$56/t NSR cut-off based on the metal prices listed in this annual report
- The end of CY18 MRE is reported using a A\$50/t NSR cut-off based on prices listed in the end of CY18 annual report
- Some averages and sums are affected by rounding
- MREs are considered generally inclusive of OREs and no Inferred Resources are considered excessively extrapolated

### Nova Operation – Ore Reserve estimate for the end of CY18/19

| Source                      | JORC Class      | 31 December 2018 |             |            |             |           |             |          | 31 December 2019 |             |            |             |           |             |          |
|-----------------------------|-----------------|------------------|-------------|------------|-------------|-----------|-------------|----------|------------------|-------------|------------|-------------|-----------|-------------|----------|
|                             |                 | Mass (Mt)        | Nickel      |            | Copper      |           | Cobalt      |          | Mass (Mt)        | Nickel      |            | Copper      |           | Cobalt      |          |
|                             |                 |                  | (%)         | (kt)       | (%)         | (kt)      | (%)         | (kt)     |                  | (%)         | (kt)       | (%)         | (kt)      | (%)         | (kt)     |
| Underground                 | Proved          | 11.3             | 1.91        | 215        | 0.76        | 86        | 0.06        | 7        | 9.2              | 1.86        | 172        | 0.78        | 72        | 0.07        | 6        |
|                             | Probable        | 0.2              | 1.26        | 2          | 0.46        | 1         | 0.04        | <1       | 0.2              | 1.49        | 3          | 0.58        | 1         | 0.05        | <1       |
|                             | <b>Subtotal</b> | <b>11.5</b>      | <b>1.90</b> | <b>217</b> | <b>0.76</b> | <b>87</b> | <b>0.06</b> | <b>7</b> | <b>9.5</b>       | <b>1.85</b> | <b>176</b> | <b>0.78</b> | <b>74</b> | <b>0.07</b> | <b>6</b> |
| Stockpiles                  | Proved          | 0.1              | 2.11        | 1          | 0.86        | 1         | 0.08        | <1       | 0.1              | 1.88        | 1          | 0.79        | 1         | 0.06        | <1       |
| Total                       | Proved          | 11.4             | 1.91        | 216        | 0.76        | 87        | 0.06        | 7        | 9.3              | 1.86        | 174        | 0.78        | 73        | 0.07        | 6        |
|                             | Probable        | 0.2              | 1.26        | 2          | 0.46        | 1         | 0.04        | <1       | 0.2              | 1.49        | 3          | 0.58        | 1         | 0.05        | <1       |
| <b>Nova Operation total</b> |                 | <b>11.5</b>      | <b>1.90</b> | <b>219</b> | <b>0.76</b> | <b>87</b> | <b>0.06</b> | <b>7</b> | <b>9.5</b>       | <b>1.85</b> | <b>177</b> | <b>0.78</b> | <b>74</b> | <b>0.07</b> | <b>6</b> |

- End of CY18 estimates are reported using NSR cut-off grades of A\$27/t for development, A\$63/t incremental stoping and A\$102/t for full stoping costs
- End of CY19 estimates are reported using NSR cut-off grades of A\$37/t for development, A\$75/t incremental stoping and A\$125/t for full stoping costs
- Some averages and sums are affected by rounding
- An immaterial tonnage (<5kt) of Inferred Mineral Resources is included in the ORE for reasons of practicality of design

1) Refer: Annual Update of Exploration Results, Mineral Resources and Ore Reserves released to ASX on 30 January 2020

# Appendix 2

## Tropicana Mineral Resource and Ore Reserve<sup>1</sup>



**Tropicana Gold Mine – 100% Mineral Resources CY18/19**

| Estimate                         | JORC Class      | 31 December 2018 |              |              | 31 December 2019 |             |              |
|----------------------------------|-----------------|------------------|--------------|--------------|------------------|-------------|--------------|
|                                  |                 | Mass (Mt)        | Gold         |              | Mass (Mt)        | Gold        |              |
|                                  |                 |                  | (g/t)        | koz          |                  | (g/t)       | (koz)        |
| Open pit                         | Measured        | 6.5              | 1.29         | 270          | 2.4              | 1.68        | 130          |
|                                  | Indicated       | 75.5             | 1.50         | 3,640        | 53.3             | 1.57        | 2,690        |
|                                  | Inferred        | 5.6              | 1.31         | 240          | 3.3              | 1.23        | 130          |
|                                  | <b>Subtotal</b> | <b>87.6</b>      | <b>1.47</b>  | <b>4,140</b> | <b>59</b>        | <b>1.56</b> | <b>2,950</b> |
| Underground                      | Measured        | —                | —            | —            | —                | —           | —            |
|                                  | Indicated       | 8.5              | 4.11         | 1,120        | 11.4             | 3.08        | 1,130        |
|                                  | Inferred        | 12.4             | 4.36         | 1,730        | 19.1             | 3.24        | 1,990        |
|                                  | <b>Subtotal</b> | <b>20.8</b>      | <b>4.26</b>  | <b>2,850</b> | <b>30.5</b>      | <b>3.18</b> | <b>3,120</b> |
| Stockpiles                       | Measured        | 27.8             | 0.79         | 700          | 39               | 0.76        | 950          |
| Total                            | Measured        | 34.3             | 0.88         | 970          | 41.4             | 0.81        | 1,080        |
|                                  | Indicated       | 84.0             | 1.76         | 4,760        | 64.7             | 1.84        | 3,820        |
|                                  | Inferred        | 17.9             | 3.41         | 1,970        | 22.4             | 2.95        | 2,120        |
| <b>Tropicana Gold Mine total</b> |                 | <b>140.0</b>     | <b>136.2</b> | <b>7,290</b> | <b>128.5</b>     | <b>1.70</b> | <b>7,020</b> |

- Open pit block cut-off >0.3g/t Au for oxide, otherwise >0.4g/t Au; Underground MREs reported using cut-off >1.8g/t Au
- Some totals and averages are affected by rounding
- MRE is inclusive of ORE

**Tropicana Gold Mine – 100% Ore Reserves CY18/19**

| Estimate                         | JORC Class      | 31 December 2018 |             |              | 31 December 2019 |             |              |
|----------------------------------|-----------------|------------------|-------------|--------------|------------------|-------------|--------------|
|                                  |                 | Mass (Mt)        | Gold        |              | Mass (Mt)        | Gold        |              |
|                                  |                 |                  | (g/t)       | (koz)        |                  | (g/t)       | (koz)        |
| Open pit                         | Proved          | 4.2              | 1.68        | 230          | 1.5              | 2.28        | 110          |
|                                  | Probable        | 43.2             | 1.94        | 2,690        | 30.1             | 2.00        | 1,940        |
|                                  | <b>Subtotal</b> | <b>47.4</b>      | <b>1.91</b> | <b>2,920</b> | <b>31.6</b>      | <b>2.02</b> | <b>2,050</b> |
| Underground                      | Proved          | —                | —           | —            | —                | —           | —            |
|                                  | Probable        | 2.7              | 3.65        | 320          | 2.7              | 3.60        | 310          |
|                                  | <b>Subtotal</b> | <b>2.7</b>       | <b>3.65</b> | <b>320</b>   | <b>2.7</b>       | <b>3.60</b> | <b>310</b>   |
| Stockpiles                       | Proved          | 15.5             | 1.01        | 500          | 22.0             | 0.94        | 670          |
| Total                            | Proved          | 19.8             | 1.15        | 730          | 23.5             | 1.03        | 780          |
|                                  | Probable        | 45.9             | 2.04        | 3,010        | 32.8             | 2.13        | 2,250        |
| <b>Tropicana Gold Mine total</b> |                 | <b>65.7</b>      | <b>1.77</b> | <b>3,740</b> | <b>56.3</b>      | <b>1.67</b> | <b>3,030</b> |

- Open pit block cut-off >0.7g/t Au for fresh rock, otherwise >0.6g/t Au
- Underground block cut-off 2.6g/t Au
- Some totals and averages are affected by rounding

1) Refer: Annual Update of Exploration Results, Mineral Resources and Ore Reserves released to ASX on 30 January 2020