## INDEPENDENCE GROUP NL

## **Nova Site Visit Presentation**





## **Cautionary Statements & Disclaimer**



- This presentation has been prepared by Independence Group NL ("IGO") (ABN 46 092 786 304). It should not be considered as an offer or invitation to subscribe for or purchase any securities in IGO or as an inducement to make an offer or invitation with respect to those securities in any jurisdiction.
- This presentation contains general summary information about IGO. The information, opinions or conclusions expressed in the course of this presentation should be read in conjunction with IGO's other periodic and continuous disclosure announcements lodged with the ASX, which are available on the IGO website. No representation or warranty, express or implied, is made in relation to the fairness, accuracy or completeness of the information, opinions and conclusions expressed in this presentation.
- This presentation includes forward looking information regarding future events, conditions, circumstances and the future financial performance of IGO. Often, but not always, forward looking statements can be identified by the use of forward looking words such as "may", "will", "expect", "intend", "plan", "estimate", "anticipate", "continue" and "guidance", or other similar words and may include statements regarding plans, strategies and objectives of management, anticipated production or construction commencement dates and expected costs or production outputs. Such forecasts, projections and information are not a guarantee of future performance and involve unknown risks and uncertainties, many of which are beyond IGO's control, which may cause actual results and developments to differ materially from those expressed or implied. Further details of these risks are set out below. All references to future production and production guidance made in relation to IGO are subject to the completion of all necessary feasibility studies, permit applications and approvals, construction, financing arrangements and access to the necessary infrastructure. Where such a reference is made, it should be read subject to this paragraph and in conjunction with further information about the Mineral Resources and Ore Reserves, as well as any Competent Persons' Statements included in periodic and continuous disclosure announcements lodged with the ASX. Forward looking statements in this presentation only apply at the date of issue. Subject to any continuing obligations under applicable law or any relevant stock exchange listing rules, in providing this information IGO does not undertake any obligation to publicly update or revise any of the forward looking statements or to advise of any change in events, conditions or circumstances on which any such statement is based.
- 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.
- Any references to IGO Mineral Resource and Ore Reserve estimates, except the Tropicana Mineral Resource and Ore Reserve and Nova Resource should be read in conjunction with IGO's 2016 Mineral Resource and Ore Reserve announcement dated 14 October 2016 and lodged with the ASX, which are available on the IGO website.
- References to Mineral Resource and Ore Reserve estimates at Tropicana should be read in conjunction with IGO's Tropicana Gold Mine Value Enhancement Update, dated 15 December 2016 and lodged with the ASX, and is available on the IGO website.
- References to Mineral Resources estimates at Nova should be read in conjunction with IGO's Nova Mineral Resource Estimate and Exploration Update, dated 26 July 2017 and lodged with the ASX, and is available on the IGO website.
- References to Mineral Resources and Ore Reserve estimates at Triumph should be read in conjunction with IGO's Jaguar Value Enhancement Study, dated 26 July 2017 and lodged with the ASX, and is available on the IGO website.
- All currency amounts in Australian Dollars unless otherwise noted.
- · 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, redundancy and restructuring costs, depreciation and amortisation, and once-off transaction costs.
- Underlying NPAT comprises net profit (loss) after tax adjusted for; post tax effect of acquisition and integration costs, and impairments.

## **IGO Operations**

#### **WA Hub**





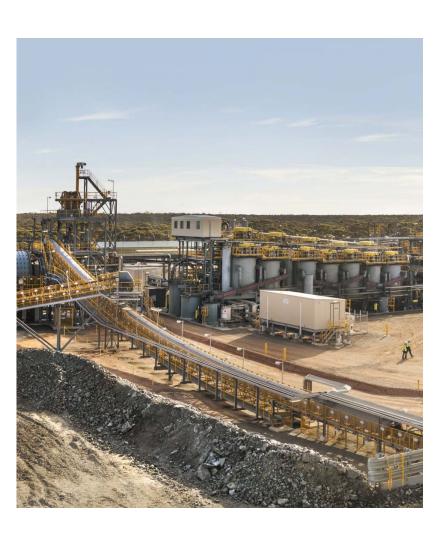
#### Nova established mine and infrastructure

- 350km SE of Kalgoorlie and 350km from port of Esperance in WA
- Located in the highly prospective Fraser Range
- Readily accessible and serviceable by road and air
- Sealed road access to site via Kalgoorlie or Esperance

## **Nova Overview**

## **Flagship Operation**





Quality

High grade, thick,

✓ flat lying magmatic sulphide orebody

Scale

✓ Average +26kt Ni, 11kt Cu & 1kt Co per annum

Longevity

Initial 10 year mine life

✓ with significant
exploration potential

Geographical focus

✓ On Fraser Range (proximal to Tropicana)

## **Nova Overview**

# igo

### World class timetable from discovery to production



## **Nova Leadership**

### Strong experienced team

· All key roles filled

 Team now in place and effectively transitioned from Projects to Operations Ross Jennings **OHS Manager** Rhona Wardman **Environmental Scientist** Keith Ashby Johannes Whitmore **Head of Governance and Commercial Manager** Risk Scott Steinkrug Rob Brougham **Chief Financial Officer Processing Manager** Chris Carr Peter Bradford **Rob Dennis** Graham Arvidson **Chief Operating Officer Chief Executive Officer Maintenance Manager** Nova General Manager Sam Retallack Peter Christen Head of People & Culture **Mining Manager** David Hammond Matt Dusci **Chief Growth Officer Geology Manager** Paul Polito Fraser-Range **Exploration Manager** 



Steve Beresford

Chief Geoscientist

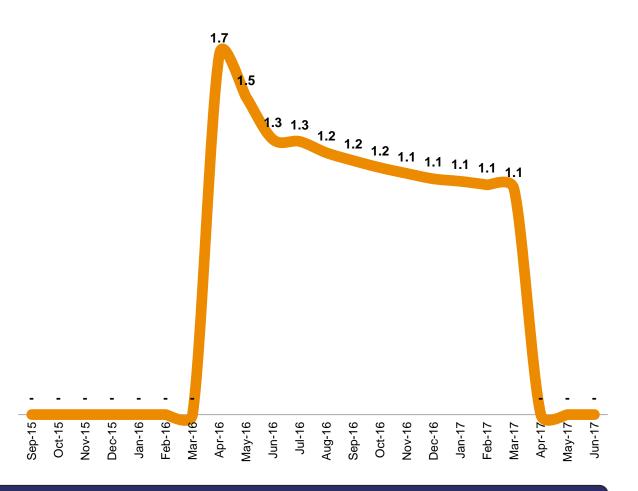
# **Nova - Sustainability and Safety**



### Focus on health, safety, the environment and local communities

- IGO measures performance using a range of leading and lagging metrics. In general IGO's safety performance is good, but could be better
- The key driver of safety outcomes is culture; our people's attitude to risk and their sense of empowerment to effect change
- We are focussed on culture; a focus given effect through our Visual Safety Leadership Program





A great safety record through construction, commissioning and into production

### **Project summary**

#### **Deposit Style and Inventory**



- Chonolith style magmatic Ni Cu Co deposit
- Interim Mineral Resource estimate of 11.4Mt grading 2.4% Ni, 1.0% Cu and 0.08% Co<sup>(1)</sup>
- Consolidation of Fraser Range and ramp-up of exploration



#### Mining



- 1.5Mtpa ore production
- Dry mine with good ground conditions
- Long open stope and paste fill, minor CRF/rock fill
- 560m³ maximum ventilation design
- 4 twin boom jumbos for development
- Mining capital development planned to be completed by mid CY18

### **Project summary**

# igo

#### **Processing**



- 1.5Mtpa ore throughput rate (~187tph)
- Conventional crushing, two stage grinding and differential flotation
- 2.4MW SAG Mill and 2.4MW Ball Mill
- LoM design recoveries of 87% Ni and 89% Cu
- Real-time onstream mineral analysis
- LoM tailings dam completed

#### Infrastructure



- 38km sealed access road connected to Eyre Highway
- Sealed 2km long airstrip to handle 100-seat jets
- 500 person camp and recreational facilities
- 20MW power station operated by Zenith Pacific (capable of running on diesel and gas)
- 6.7MW proposed solar farm by Zenith Pacific
- Borefield and RO plant to produce potable water
- 88m<sup>3</sup>/hr paste plant
- Fully enclosed 7kt capacity concentrate storage shed
- Site based emergency services including medical centre, ambulances and fire truck

<sup>1)</sup> For further information on Mineral Resources refer to ASX release Nova Mineral Resource Estimation and Exploration Update, dated 26 Jul 2017

<sup>2)</sup> Refer IGO's 2016 Mineral Resource and Ore Reserve ASX announcement dated 14 October 2016

## **Nova FY18 Guidance**



### Tonnage consistent across 1H and 2H grade the key driver

Metric	Units	1H18	2H18	FY18 Guidance Range
Nickel (metal in concentrate)	t	7,500 to 9,000	15,500 to 18,000	23,000 to 27,000
Copper (metal in concentrate)	t	4,000 to 4,500	6,000 to 7,500	10,000 to 12,000
Cobalt (metal in concentrate)	t	250 to 350	550 to 700	800 to 1,050
Cash cost (payable)	A\$/lb Ni	3.70 to 4.50	1.00 to 1.50	1.90 – 2.50
Capital build capex (net) <sup>(1)</sup>	A\$M	0 to 2	-	0 to 2
Sustaining capex	A\$M	3 to 5	6 to 8	9 to 13
Development capex	A\$M	30 to 32	10 to 12	40 to 44
Exploration expenditure	A\$M	5 to 6	3 to 4	8 to 10

#### **Outlook**

- Full tonnage throughput is achieved in 1H18 however grade ramp up drives lower production relative to 2H18
- FY18 sustaining capital guidance includes A\$6M for additional bore field capacity
- FY18 development capital includes ~5km of decline and lateral development, associated mine infrastructure and vertical development
- Grade control drilling at 12.5m x 12.5m spacing throughout Bollinger will be completed by the end of 2017
- Recent underground drilling at Bollinger South has intersected massive and brecciated nickel sulphides outside known Mineral Resources<sup>(2)</sup>

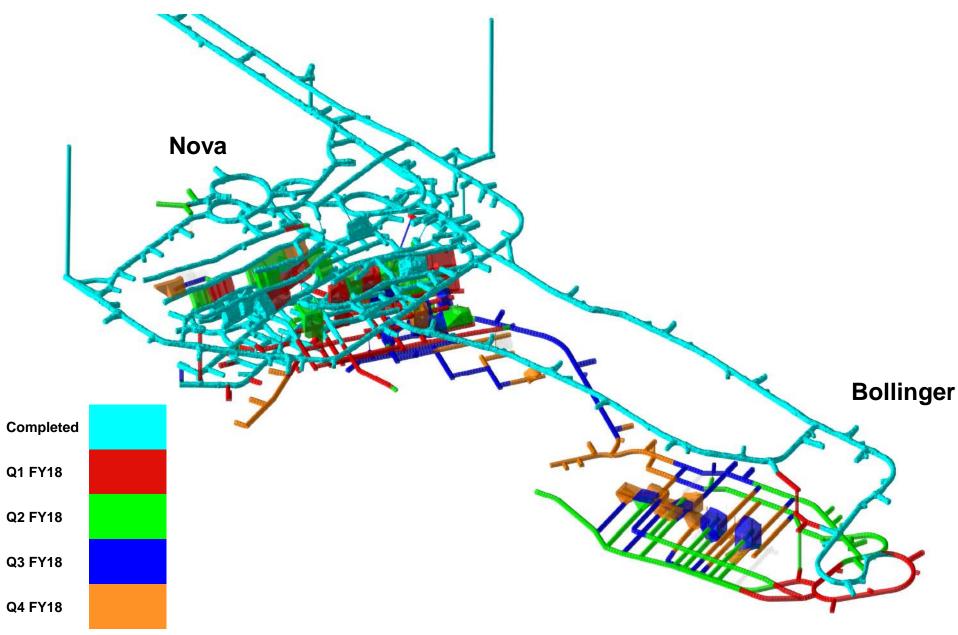
<sup>1)</sup> Net refers to project creditors and trade receivables that will be capitalised to the project on a cash basis

<sup>2)</sup> For further information on Mineral Resources refer to ASX release Nova Mineral Resource Estimate and Exploration Update, dated 26 July 2017

# **Nova Mining Plan FY18**

igo

**Multiple mining fronts for flexibility** 



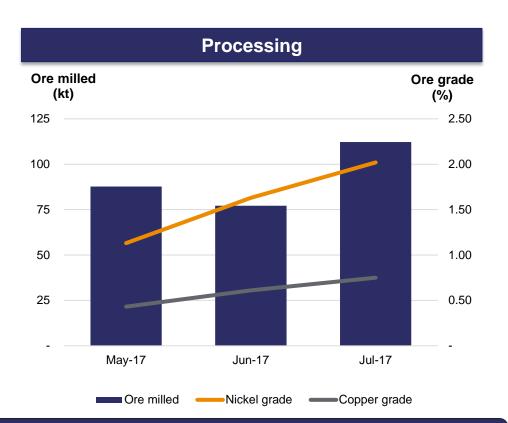
# igo

#### Ramp up program

#### Nameplate 12 months earlier than Feasibility Study schedule

- Process plant construction was completed 4 weeks ahead of schedule October 2016
- First nickel and copper concentrates produced 6 weeks ahead of schedule in October 2016
- First nickel concentrate delivered to BHP Nickel West in early December 2016
- All surface infrastructure was completed and operational in April 2017 with paste plant as required in June 2017
- First offshore shipments of nickel and copper concentrates shipped June 2017
- First large stope backfilled July 2017





## **Nova Mine Layout**

# igo

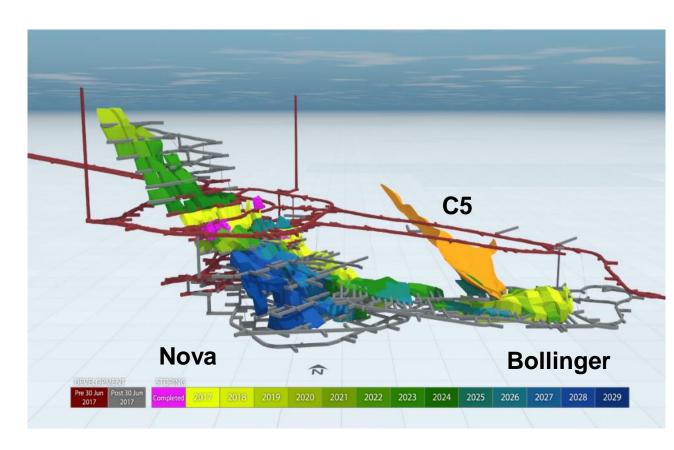
## Shallow, thick, flat lying orebody delivers low mining costs

#### **Development**

- 34 headings will be mined in August (10 in ore)
- 4 development jumbos in operation
- Scheduling ~1000m/month 1H18
- Nova decline approaching 1885 production level
- Bollinger decline approaching 1880 level (first stoping horizon)

#### **Production**

- 4 stopes currently on-line across 3 levels
- 2 more production levels on-line late Aug/early Sept
- 1 stope paste filled, second stope now filling



**Project to date Capital Development: 13.6km** 

**Project to date Operating Development: 3.5km** 

### **Process Plant ramp up**

#### **Conventional Crush Grind Float**

- Primary crushing followed by two stage grinding (SAG and ball mill)
- Differential flotation
- Separate Copper and Nickel concentrates

#### **Comminution and Grinding circuit performance**

- Nameplate throughput 187tph
- Crushing 276kt (May-July) at a rate of 266tph
- Grinding rate of 185tph (Ave). Rates of 205tph achieved for sustained periods
- Throughput has been mine constrained prior to full stope production in June 2017





## Metallurgical commissioning and performance

Smooth commissioning with no material issues

- Minor issues with TETA reagent control
- Some replacement of pumps and motors
- High chlorides in concentrate from saline water mitigated by increased filtrate wash times
- Concentrate caking in storage removed through compaction

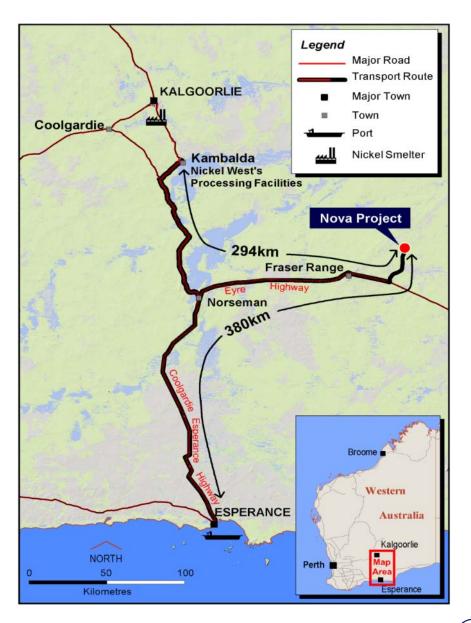
#### Transitioned to continuous operations

- Increased stope ore production has provided a step change in runtimes and plant performance
- Recoveries in line with grade ramp up to LoM design
- Design recovery is 87% Ni and 89% Cu
- Design concentrate grade is 13.5% Ni and 29% Cu

#### First concentrate shipped in December 2016

- Three year off take agreements for Ni and Cu concentrate
- Ni concentrate split 50/50 with BHPB Nickel West & Glencore
- Cu concentrate 100% contracted with Trafigura
- Shipments to Glencore & Trafigura will be via Esperance
- First offshore shipments completed June 2017



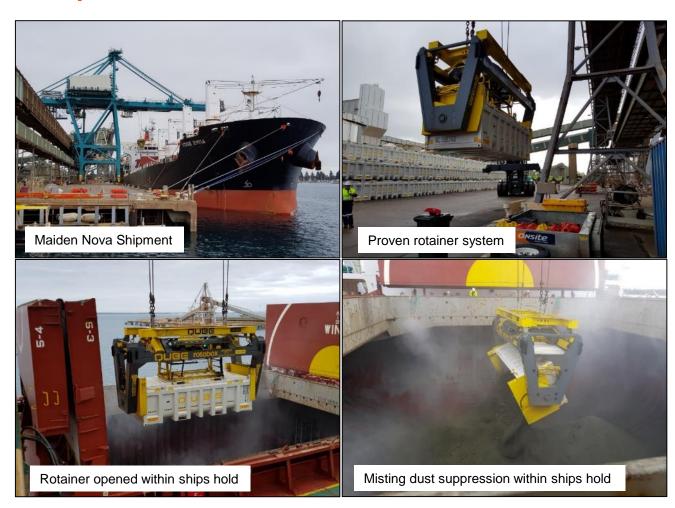


# igo

### Maiden offshore shipments completed 26 June 2017

#### **Nickel and Copper shipment**

- No loading issues
- Concentrate quality in line with contract specifications
- Optimisation of concentrate quality in line with run of mine ore feed from underground
- Ni concentrate is continuously trucked to BHP Nickel West under a separate offtake agreement
- Shipping volumes to increase in line with ramp up to nameplate run rate during the September Quarter 2017



# igo

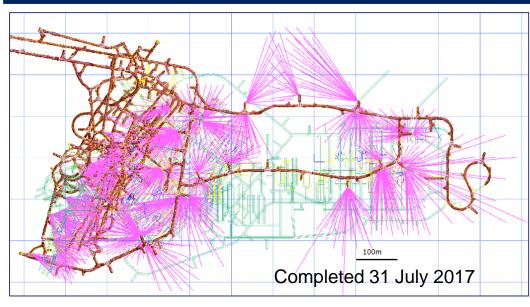
### **Grade control drilling**

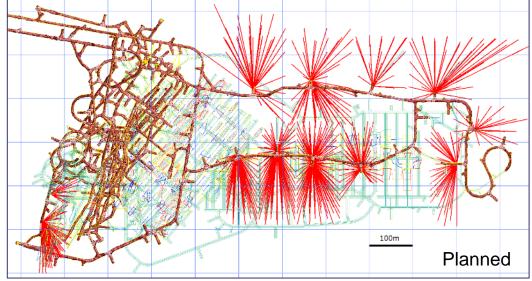
- Excellent ground conditions = Good penetration rates : 120m/day/rig for Bollinger (better than expected)
- Nova grade control at 12.5m x 12.5m ~ 96% complete (~6,500m remaining as at 31 July 2017)
- Bollinger grade control at 12.5m x 12.5m (~14% complete)
- Drilling remaining: Bollinger 88,000m, Mineral Resource extensional drilling 25,000m

# Shallow flat lying orebody has allowed early access for grade control from strategically developed drill platforms

- LoM grade control estimated completion within the first 6 months of commercial production in December 2017
- Grade control drilling supported Mineral Resource estimate to be released early in CY18
- Post December 2017 increasing focus will turn to drilling mine extension targets

## Estimated Completion Based on Current Scheduling Rates for Nova and Bollinger Grade Control Drilling by December 2017

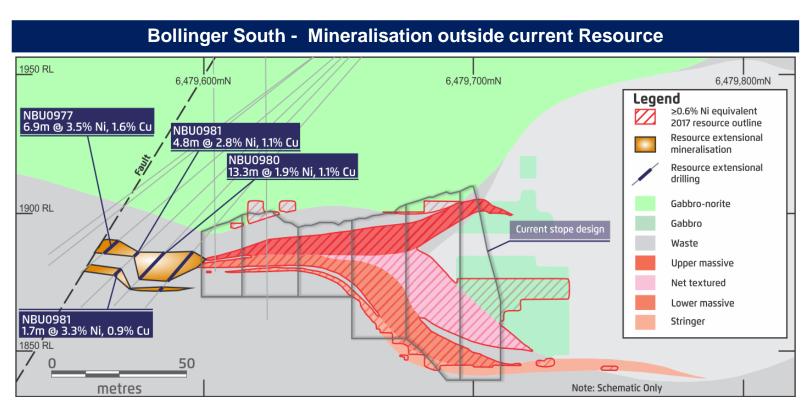




# igo

#### **Grade Control**

- At Bollinger South intersected massive and brecciated sulphides outside current Mineral Resource boundaries
- 30 drill holes completed as part of a program to map the south-western extension of the Bollinger orebody
- The majority of laboratory results are still pending
- Significant results received to date include<sup>(1)</sup>:
  - NBU0977 6.9m @ 3.5% Ni, 1.6% Cu
  - NBU0980 13.3m @ 1.9% Ni, 1.1% Cu
- Drilling will continue through Q1 FY18



<sup>1)</sup> For further information on Mineral Resources refer to ASX release Nova Mineral Resource Estimation and Exploration Update, dated 26 Jul 2017

## Nova Resource<sup>(1)</sup>

### Interim update as at 30 June 2017

# igo

#### 91km of grade control drilling completed

- Updated Mineral Resource estimate using revised geological interpretation and approach to resource domaining
- As at 30 June 2017 Mineral Resource estimate for Nova and Bollinger is:
  - 11.4Mt at 2.4% Ni, 1.0% Cu and 0.08% Co
  - Equivalent to in situ metal of 271,000t Ni, 113,000t Cu and 9,000t Co
- Compared with previous estimates tonnage is reduced 15% with slightly higher grades for a reduction in contained metal of 14% and 12% for nickel and copper respectively<sup>(2)</sup>

#### Ore Reserves being updated

- · Ore Reserves are being updated and the impact on reserves is not known at this time
- Updated Mineral Resource within the 2016 stope mining shapes shows a -5% tonnage variance and -11% and -12% variance in contained nickel and copper respectively

#### Mine reconciliation positive

- Mine reconciliation to 30 June 2017 relative to the updated Mineral Resource indicates positive reconciliation factors of tonnage 102%, nickel grade 106% and copper grade 111%
- This positive reconciliation suggests that the updated Mineral Resource is under-estimating tonnage and grade

#### **Continued analysis**

- Given ore production to 30 June 2017 of 440kt is not considered representative, the updated Mineral Resource Estimate has not been adjusted to account for current positive mine reconciliation trends
- Additional production data is required before the positive reconciliation can be used to inform the estimate

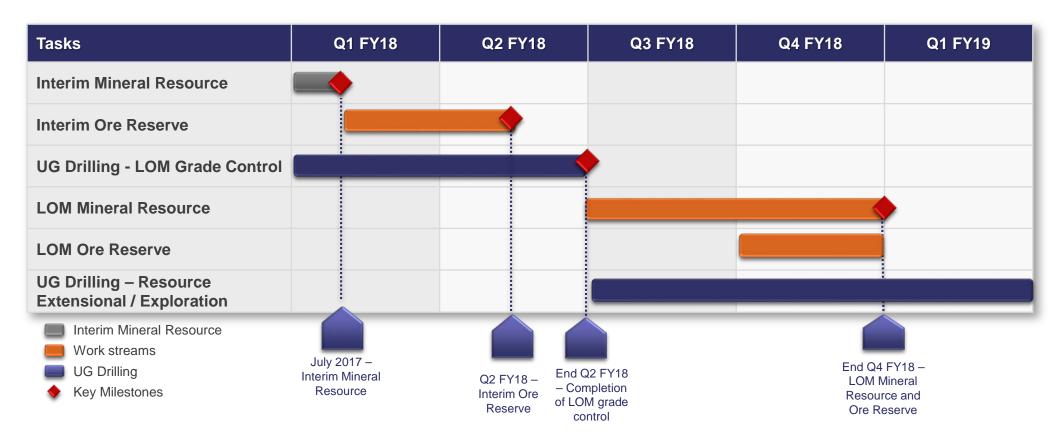
<sup>1)</sup> For further information on Mineral Resources refer to ASX release Nova Mineral Resource Estimation and Exploration Update, dated 26 Jul 2017

<sup>2)</sup> For comparison purposes both models have been reported using the same NiEq calculation at a ≥0.6% NiEq cut-off grade

## **Nova Mineral Resource**

# igo

### **Completion of LOM Grade Control Drilling during FY18**



#### LOM grade control drilling to be completed end of Q2 FY18

- Focus on upgrading Indicated Resources to high-confidence Measured Resources
- Shift to Mineral Resource extensions with completion of grade control drilling

#### LOM Mineral Resource to be completed Q4 FY18

- Aim for majority of Mineral Resource to have a Measured Resource classification
- Resource fully de-risked for LOM

# **Nova Resource Update**(1)



### 46% of the total Mineral Resource is classified as Measured

		Tonnage		Gra	des			In Situ	<i>ı</i> Metal	
Item	Class/Area	Mt	Ni (%)	Cu (%)	Co (%)	NiEq (%)	Ni (kt)	Cu (kt)	Co (kt)	NiEq (kt)
Nova	Measured	5.20	2.63	1.10	0.08	2.69	136.9	57.1	4.3	140.0
	Indicated	2.39	2.47	1.02	0.08	2.52	59.1	24.4	1.8	60.3
	Inferred	0.7	1.5	0.8	0.05	1.62	10	5	0.4	11
Bollinger	Measured	-	-	-	-	-	-	-	-	-
	Indicated	2.10	2.54	1.02	0.10	2.58	53.3	21.4	2.1	54.1
	Inferred	1.1	1.1	0.5	0.05	1.15	12	5	0.52	12
	Project Total	11.4	2.4	1.0	0.1	2.4	271	113	9	277
2013 estimate	Project Total	13.4	2.4	1.0			314	128		
	Variance	85%	101%	103%			86%	88%		

#### June 2017 estimates versus 2013 estimate<sup>(2)</sup>

- Reduction in tonnage is largely a function of revised geological interpretation and approach to resource domaining
- 15% reduction in tonnage with slightly higher grades for a reduction in contained metal of 14% and 12% for nickel and copper respectively
- Tonnage reduction occurs in both the high and low-grade parts of the 2017 estimate, hence resulting in similar average grades
- A significant portion of the tonnage variance (at a 0.6% NiEq cut-off grade) is outside the current underground mining stope shapes with a 5% tonnage reduction between estimates within current underground stope shapes

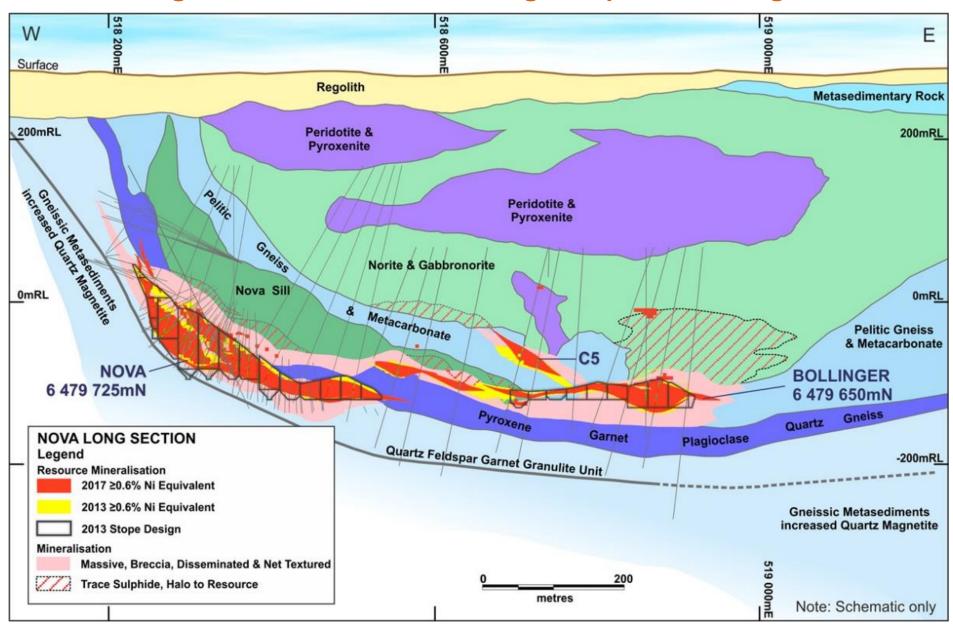
<sup>1)</sup> For further information on Mineral Resources refer to ASX release Nova Mineral Resource Estimation and Exploration Update, dated 26 Jul 2017

<sup>2)</sup> For comparison purposes both models have been reported using the same NiEq calculation at a ≥0.6% NiEq cut-off grade

# **Nova Resource Update**(1)



## Schematic Long Section of the Nova-Bollinger Deposits looking North



# igo

### **Deposit analogues**

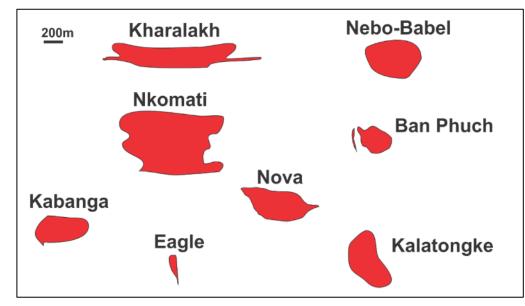
#### **Prospective tenure proximal to Nova Project**

- Over 115km drilling completed to define Nova resource
- Nova Bollinger mineralisation within 1km zone
- Discovered July 2012
- Maiden Resource announced March 2013<sup>(1)</sup>
- Current total Mineral Resource at 30 June 2017<sup>(2)</sup>
  - 11.4Mt at 2.4% Ni, 1.0% Cu and 0.08% Co

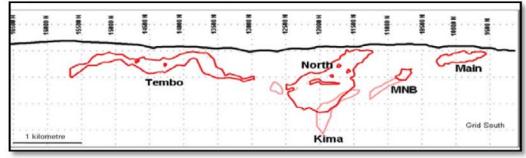
#### Kabanga is a chonolith deposit

- Over 600km drilling completed to define Kabanga Mineral Resources
- Five zones of mineralisation identified over 7.5km zone
- Discovered 1976
- 10 years of Mineral Resource growth to June 2011
- Historical June 2011 Mineral Resources<sup>(3)</sup> of
  - Measured + Indicated 37.2Mt at 2.63% Ni
  - Inferred 20.8Mt at 2.6% Ni

#### Cross sections of the host intrusion of world class deposits



#### Longitudinal Section of the Kabanga Mineral Resources



<sup>1)</sup> See SIR ASX release dated 20 Mar 2013, Substantial Nickel-Copper-Cobalt Resource at Nova

<sup>2)</sup> For further information on Mineral Resources refer to ASX release Nova Mineral Resource Estimate and Exploration Update, dated 26 Jul 2017

<sup>3)</sup> See Kabanga Nickel Company Limited Fact Sheet May 2012



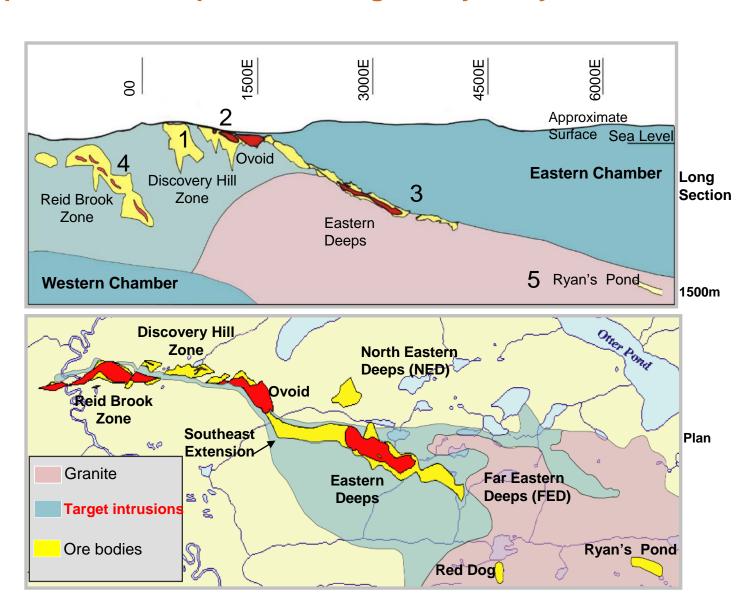
### What do mafic Ni-Cu deposits and camps look like e.g Voisey's Bay

#### **Scale**

- Mineralisation over +6km zone
- Multiple lenses +5
- Nova Bollinger mineralisation currently within 1km zone
- Nova-Bollinger 2 lenses

#### **Exploration Phases**

- Outcrop/subcrop/soil anomaly
- Blind lenses
- Under cover

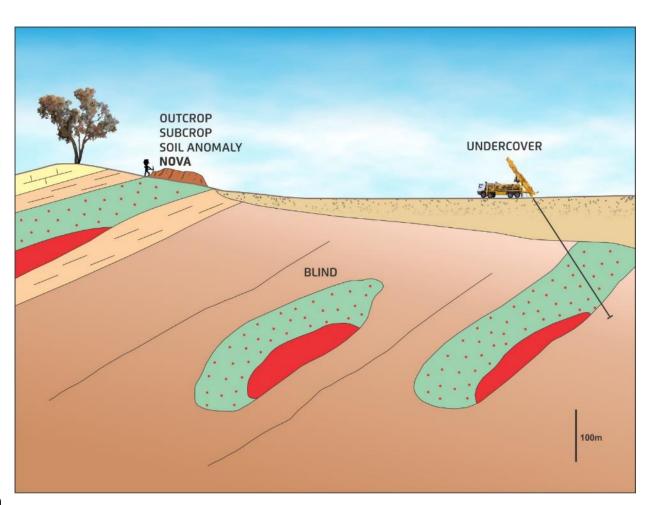


## **Exploration at various phases across the Fraser Range**

# igo

#### Three key focus areas:

- Fraser Range Regional
  - Consolidation of the Albany Fraser
     Prospective tenure
  - Application of Nova geoscientific knowledge of controls of mineralisation and finger-printing
  - Commencement of systematic exploration
  - Target: multiple Nova-Bollinger magmatic Ni-Cu-Co deposits (creation of a mineralised province)
- Near Mine Exploration
  - Surface drilling and geophysics (3D Seismic)
  - Target: extensions to the Nova-Bollinger mineralised systems (additional zones of mineralisation)
- In-Mine Exploration
  - Program to commence with completion of UG diamond drilling program
  - Nova-Bollinger at depth
  - Target: extensions to the Nova-Bollinger mineralised systems (additional zones of mineralisation)

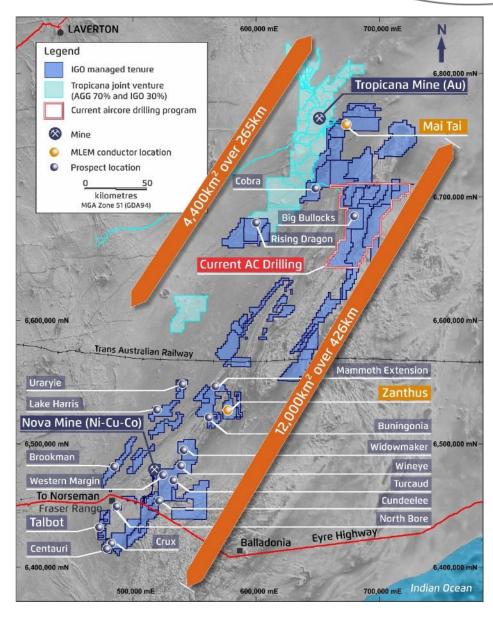


# igo

#### **Consolidation of tenure**

#### **Prospective tenure proximal to Nova Project**

- Consolidated Fraser Range prospective tenure
- Substantial exploration planned for FY18 to unlock the potential over the Fraser Range
- Currently operating:
  - 3 drill rigs (outside Nova mining lease)
  - 2 EM fields crews
  - 3 gravity crews
- Soil sampling south of Nova is targeting near surface mineralisation
- Aircore drilling starting in the north and working south is testing for anomalies beneath cover up to 120m thick
- Gravity surveys on a 400m x 400m grid across the Fraser Range is identifying intrusions that are blind to magnetics
- An airborne EM survey across all IGO tenements is due to commence in Q4 FY18
- Three ground EM crews are working to define drill targets from geochemical and AEM anomalies
- Four RC/DDH drill targets have been defined to date, drilling to start in late September



<sup>1)</sup> ASX release dated 10 Mar 2017 ORN: Orion Completes Landmark Joint Venture Agreement with IGO on Fraser Range Nickel-Copper Project WA

<sup>2)</sup> ASX release dated 22 Dec 2016 IGO Completes Compulsory acquisition of Windward Resources

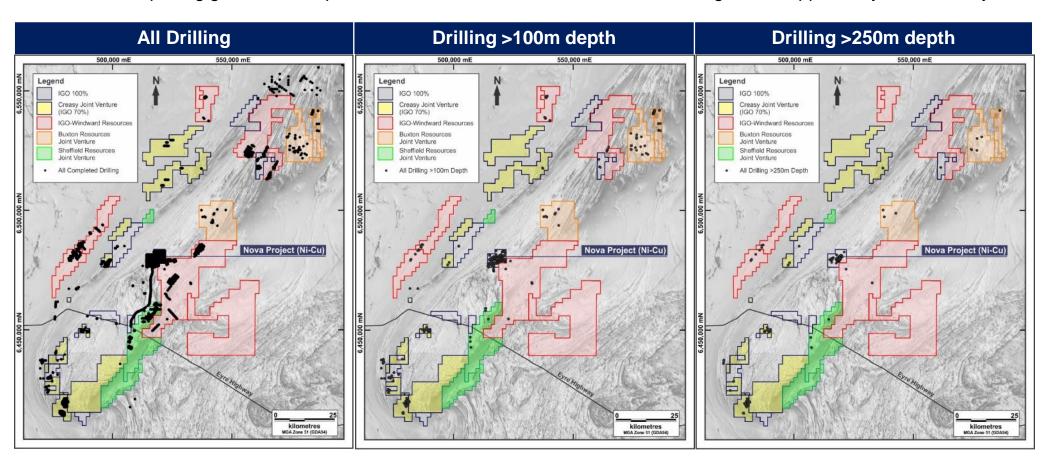
<sup>3)</sup> ASX release dated 16 Nov 2016 SFX: Sheffield forms Fraser Range Joint Venture with IGO

<sup>4)</sup> ASX release dated 24 Aug 2016 BUX: BUX & IGO enter into Fraser Range Joint Venture

# igo

## Regional drilling around Nova

- New frontier with exploration focus only after Nova discovery in 2012
- Past exploration has been limited due to discontinuous land positions held by underfunded juniors at the bottom of commodity price cycle
- Less than 7% of previous holes drilled are deeper than 250m
- IGO is completing greenfields exploration in brownfields environment that has significant opportunity for discovery



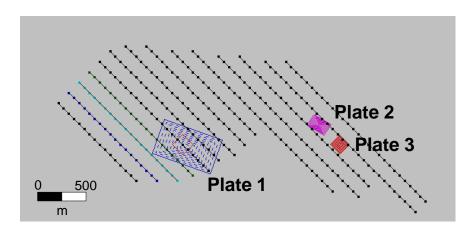
# igo

## **Exploration at various phases across the Fraser Range**

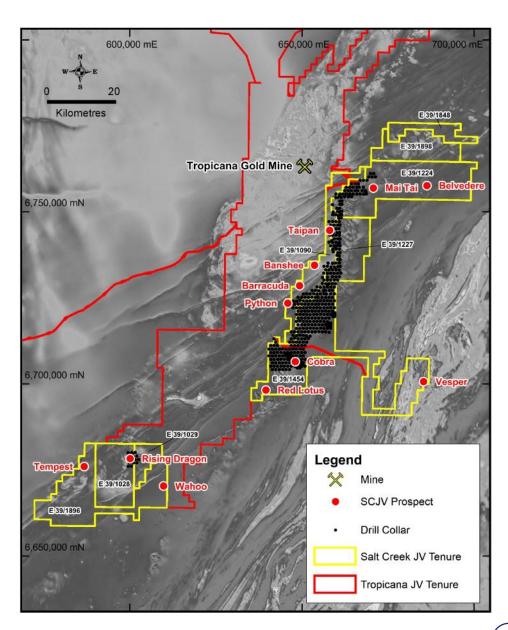
	Near-surface anomalies	Blind targets	Undercover
Exploration method	Surface geochemistry and gravity	Seismic and MLEM	Drilling and AEM
IGO Work Programs	<ul> <li>6,500 soil samples assayed</li> <li>Two contractors, four crews measuring ~50,000 gravity stations</li> </ul>	<ul> <li>Lithostratigraphic study</li> <li>2D and 3D seismic surveys on mining lease</li> <li>In mine EM loop</li> <li>Two DDH rigs on Nova ML</li> <li>DHEM on ML, ongoing</li> <li>CSIRO and contractor R&amp;D ongoing</li> <li>Three Ground MLEM crews (SQUID and Fluxgate) regionally</li> </ul>	<ul> <li>Two AC drill rigs covering all Fraser Range tenements</li> <li>One multipurpose rig due to test advanced targets in Q4</li> <li>&gt;28,000 km AEM survey to start in Q4</li> </ul>
Number of IGO Targets	12 soil anomalies identified 3D gravity inversions started	4 EM conductors require follow up by drilling	19 pXRF <sup>(1)</sup> Cu-Ni targets identified to date
Prospects	Southern Hills area	Mai Tai, Zanthus, Zanthus North, Talbot North. Multiple AEM anomalies are untested	Trouser, Cobra, Taipan, Western Brown, Belvedere are most advanced AC anomalies

#### Mai Tai advanced MLEM conductor

- A review of the Spectrem AEM survey across the Salt Creek JV in early 2017 identified the Mai Tai anomaly.
- The Mai Tai AEM anomaly occurs at the northern end of the Salt Creek Complex
- The anomaly appears to be related to remanently magnetised unit that could be a mafic intrusion.
- The AEM anomaly was tested by >70 shallow AC drill holes, but the modelled conductor was untouched.
- A ground MLEM survey in June 2017 identified three conductors.
- One large, low conductance, low priority plate, and two 300m x 200m high conductance, high priority plates.
- High priority plates 2 and 3 sit approximately 180 and 300m below surface respectively.
- Drilling proposed in Q2 FY18







## **Nova Exploration**

## **Drilling progress on Nova Mining Lease**

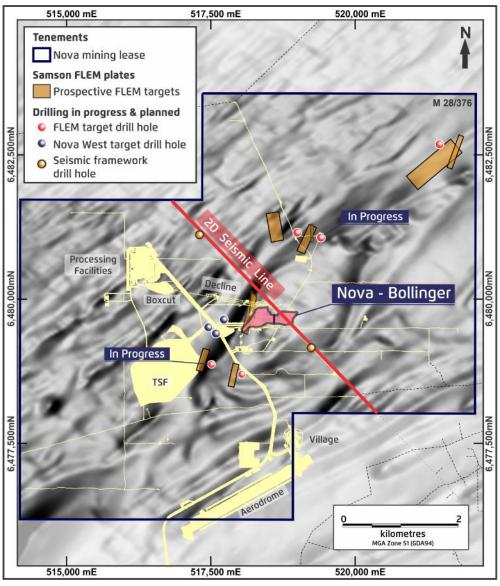
# igo

#### Surface diamond drill rig on site testing:

- High ranked historic EM plates
- Western mafic complex
- Framework drilling on 2D seismic line testing a number of reflective positions

#### 3D seismic

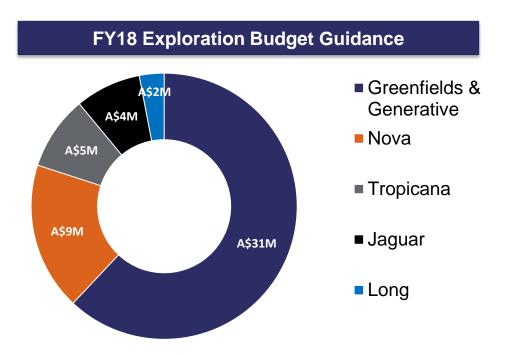
- Proof of concept with 2D seismic line successful
- 3D seismic survey to commence over the mining lease in Q2 FY18



## **Exploration**

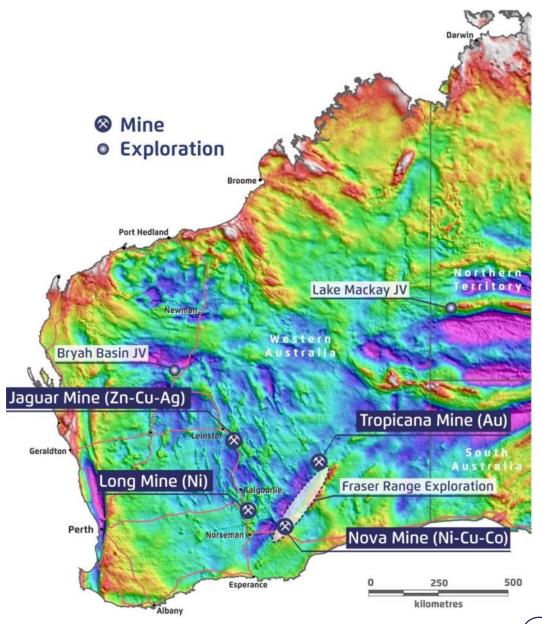
# igo

### Committed to delivering growth through exploration



#### Key developments and potential

- Substantial increase in greenfields exploration in FY18
- Fraser Range the key focus of activity
- Developing and advancing belt scale opportunities including Lake Mackay



## **Concluding Comments**

igo

Nova focus switching from construction to production



Nova milestones achieved as nameplate production approaches

All operating parameters trending to LoM design rates

All equipment, personnel and infrastructure in place

LoM grade control to be completed December 2017

Nova and Fraser Range exploration ramps up

IGO balance sheet remains robust with no need for new funding

