

ELECTRIC FUTURE: NICKEL, COPPER, COBALT, PALLADIUM & PLATINUM IN WESTERN AUSTRALIA

INVESTOR WEBINAR 12 May 2022 ASX:GAL

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# Key Messages







# Corporate Snapshot



#### **Key metrics**

ASX Code GAL

Shares on Issue 168.4m

Share price (@ 11<sup>th</sup> May 2022) 63.5 c

Market Cap ~ \$107 m

Cash (at 31st March 2022) \$8.2 m

Enterprise Value ~\$98.8 m

Options on Issue 12.5m @ \$0.20 (exp 01/23); 2.5m

@ \$0.52 (exp 09/23)

1.6m Staff Performance Rights

Cobalt 26,600 tonnes

Nickel 122,500 tonnes

#### **Major Shareholders**

Mark Creasy 24.6%
IGO Ltd (ASX:IGO) 8.9%

# Highly Experienced Board



Brad Underwood Chairman & MD



- Over 20 years in exploration, prospecting, and mining.
- Widely experienced in the strategic growth and commercialisation of mineral assets at different stages of development and over multiple commodity classes.
- Involved in the discovery and development of nickel, copper, cobalt, and gold resources.
- Over 10 years' corporate executive experience with multiple capital raisings and transactions for both private and listed resource companies.

Noel O'Brien
Non-Executive
Director



- A metallurgist with wide international and corporate experience.
- Served on the board of a number of ASX listed companies over the past 10 years.
- Currently technical advisor to several listed companies.
- Expert in process and project development over a broad range of commodities including nickel, copper, cobalt, gold, PGEs, and lithium.

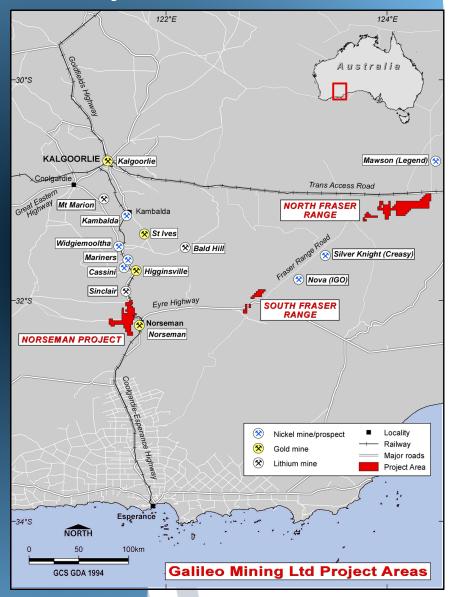
Mathew Whyte Non-Exec Director & Company Secretary



- CPA and a Chartered Secretary (FCG & FGIA), with over 25 years' experience.
- Held senior executive roles on a broad range of Australian listed entities.
- Served as Director and Company Secretary on multiple ASX company boards over the past 10 years.



#### Project Portfolio



# Strategic Commodity & District Focus

- Numerous operating mines in the district
- Access to world-class infrastructure (road, rail, Kalgoorlie, Port of Esperance)

#### Norseman Project

- Recent discovery of significant palladium-platinum-copper-nickel-sulphide from RC drilling
- Strong palladium-platinum-copper-nickel assays from RC and aircore drilling
- Cobalt-nickel laterite resource of 25Mt JORC with 26,600t of contained cobalt & 122,500t of contained nickel (1)
- Improving cobalt price, now over US\$80,000/tonne

# Fraser Range Project\*

- Emerging mineral province with operating Nova nickel mine (owned by IGO) and multiple prospects
- Management with extensive Fraser Range experience
- Two sulphide bearing intrusions found on GAL ground so far
- Untested EM targets at the Easterly and Green Moon Prospects
- Ongoing EM surveying to define new targets for drilling

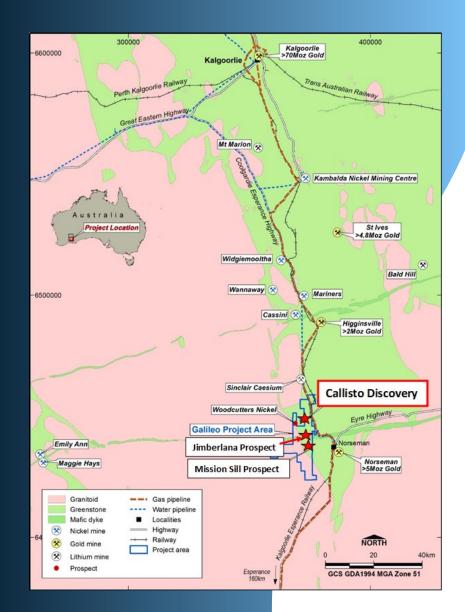
# Norseman Project (100% Galileo)







# Norseman Project



#### **Highly prospective ground next to Norseman**

- 278km² of prospective ground at the southern end of the prolific Norseman-Wiluna greenstone belt
- Premier project location:
  - √ 10km from Norseman and the historic 5Moz Norseman gold mine
  - ✓ Adjacent to sealed Coolgardie-Esperance Highway
  - ✓ Access to gas, water, road and rail infrastructure
  - ✓ 180km from the deep-water Port of Esperance
- New significant Callisto discovery on granted mine lease
- Tenements are prospective for magmatic nickel sulphide, komatiite hosted nickel sulphide, PGEs, gold, lithium, and nickel-cobalt laterite mineralisation
- Current JORC compliant 25Mt nickel-cobalt laterite resource

# Norseman Project – RC Drilling Program

#### GALILEO Mining

#### Discovery of <u>significant</u> palladium-platinum-copper-nickel-sulphide!

- 6 RC holes (1,142m) drilled at Mine Lease prospect (named the Callisto Discovery)
- Callisto is a mineralised sulphide unit developed at base of an ultramafic sill where it intrudes into sedimentary rocks
- NRC266 returned significant palladium-platinum-goldcopper-nickel mineralisation over 33m;

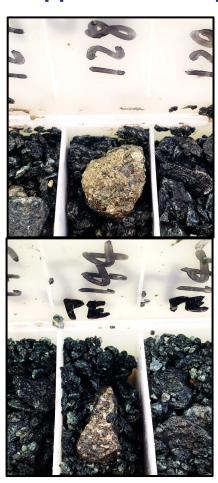
33m @ 2.00g/t 3E (1) (1.64g/t Pd, 0.28g/t Pt, 0.09g/t Au), 0.32% Cu & 0.30% Ni from 144m incl.

6m @ 2.69g/t 3E (2.21 g/t Pd,0.37 g/t Pt,0.11 g/t Au), 0.41% Cu & 0.36% Ni from 159m and

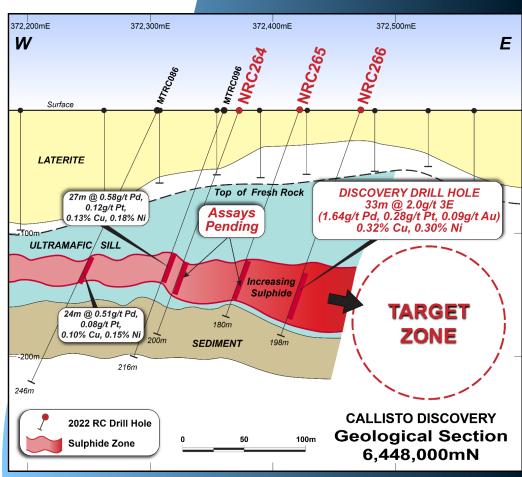
1m @ 3.21 g/t 3E (2.66 g/t Pd, 0.41 g/t Pt, 0.14 g/t Au), 0.48% Cu & 0.46% Ni from 176m

 33m intersection within a wider 55m disseminated sulphide zone (126–181m).

Potential for a large mineralised system!



Example of disseminated sulphides in RC chips from the Callisto discovery (patchy disseminated sulphide in NRC264)



Callisto discovery drill hole section (NRC266). NRC264 and NRC265 assays are pending.

## Norseman Project – Callisto Discovery

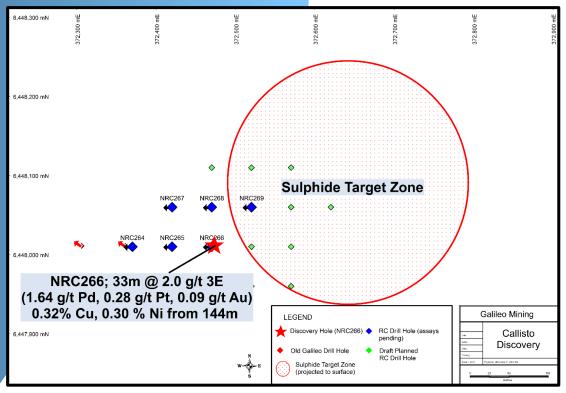


A new palladium-platinum province in which Galileo controls all of the most prospective ground!

 Strong geological continuity between drill holes with all 6 RC drill holes intersecting disseminated sulphides

- Discovery is on a granted mine lease with potential for accelerated development if resource drilling is successful
- Drilled thickness of the sulphide zone is increasing to the east towards the priority target area and with 5 km of untested prospective strike length
- Laboratory assays for remaining drilling at Callisto (NRC264, NRC265, NRC267-NRC269, and remaining sections of NRC266) are expected in approx. 6 weeks
- NRC266 discovery hole samples currently being assayed for rhodium and all other platinum group elements

Adds significant prospectivity to the area if samples found to include these metals!



Plan view of discovery drill hole NRC266 with priority sulphide target zone and draft planned RC drill holes. More drilling will be undertaken than shown in the draft plan.

#### Norseman Project – Callisto Discovery



#### Geological similarities to South Africa's extensive Platreef palladiumplatinum-gold-rhodium-copper-nickel deposits

- Initial appraisal of Callisto results indicates similarities in mineralisation style to Platreef deposits on the northern limb of the Bushveld Complex, South Africa.
- Platreef mineralisation is contained within disseminated sulphides of less than 1% to more than 25% with very rare massive sulphide.
- Callisto drilling to date has intercepted disseminated sulphide of less than 5% with sulphides increasing to the east.
- Platreef deposits are very large in nature and have combined indicated resources of >700Mt at a 1 g/t 3PGE +
   Au cut off (Reference: Platreef Integrated Development Plan 2020. Ivanhoe Mines Ltd)
- Contained metals at Platreef include palladium, platinum, gold, rhodium, copper, and nickel.



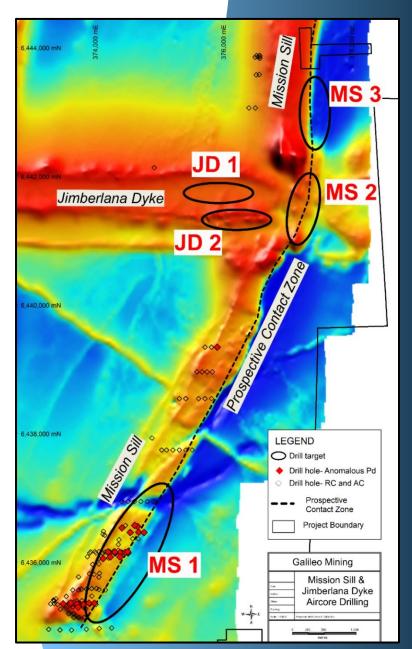
RC Drilling at Callisto, Norseman 2022

#### Norseman Project – Aircore Drilling Program

GALILEO Mining

- 9,000m aircore program took place in November/December 2021
- Five priority palladium-nickel targets were tested with aircore drilling
- Aircore drilling was designed to develop multiple prospects for follow up RC and/or diamond drilling programs in 2022
- Massive nickel-copper-palladium sulphide intercept in first aircore drilling! Intercept at just 60m down hole significantly increases the prospectivity of Galileo's project area
- Over the course of Q1 CY2022, GAL has received significant nickelcopper-cobalt-palladium assay results from:
  - Jimberlana prospect (JD1 & JD2)
  - Northern Mission Sill prospect (MS2 & MS3)
  - Southern Mission Sill prospect (MS1)





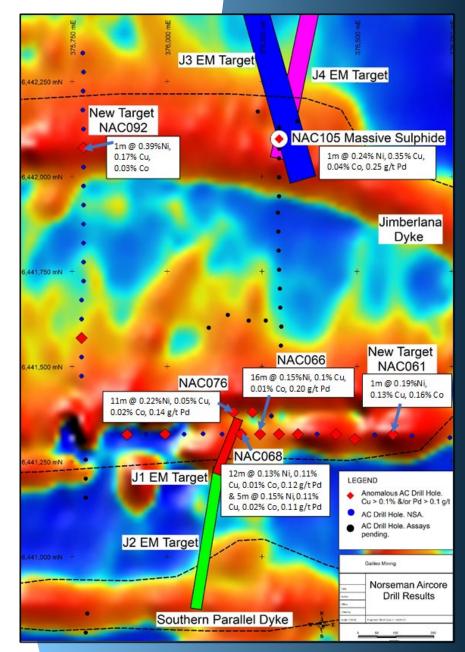
#### Norseman Project – Jimberlana Prospect

#### **Strong EM conductors beneath sulphides**

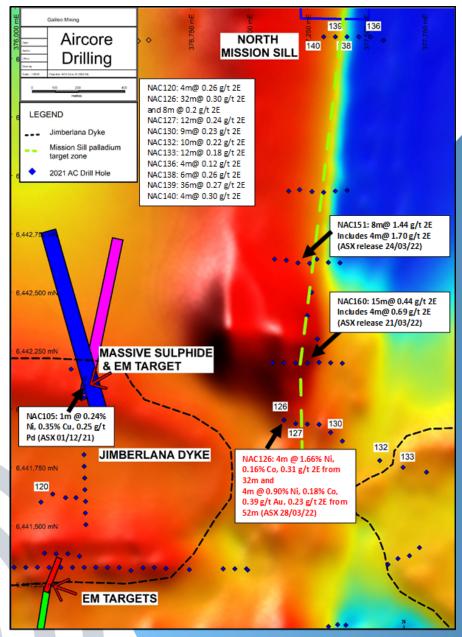
#### Highly anomalous nickel-copper-cobalt-palladium assays

- Massive sulphides in NAC105 underlain by EM conductors (J3 & J4 EM Targets):
  - 1m @ 0.24% nickel, 0.35% copper, 0.04% cobalt and 0.25 g/t palladium (from 60m in bottom of hole NAC092)
- Anomalous results 500m west of NAC105 massive sulphide intercept:
  - 1m @ 0.39% nickel, 0.17% copper, 0.03% cobalt and 73 ppb palladium (from 38m in bottom of hole NAC092)
- Up dip from J1 strong support for new drill target at shallow depth:
  - 12m @ 0.13% nickel, 0.11% copper, 0.01% cobalt and 0.12 g/t palladium (from 8m in NAC068)
- Drill holes adjacent to J1 also anomalous with:
  - 16m @ 0.15% nickel, 0.10% copper, 0.01% cobalt and 0.20 g/t palladium (from surface in NAC066)
  - 11m @ 0.22% nickel, 0.05% copper, 0.02% cobalt and 0.14 g/t palladium (from 16m in NAC076)
- New drill target position 400m east of J1 with significant bottom of hole assays:
  - 1m @ 0.19% nickel, 0.13% copper, 0.16% cobalt and 31ppb palladium (from 49m in NAC061)





# Norseman Project – Mission Sill Prospect



# Palladium and platinum drill results over 9km strike length

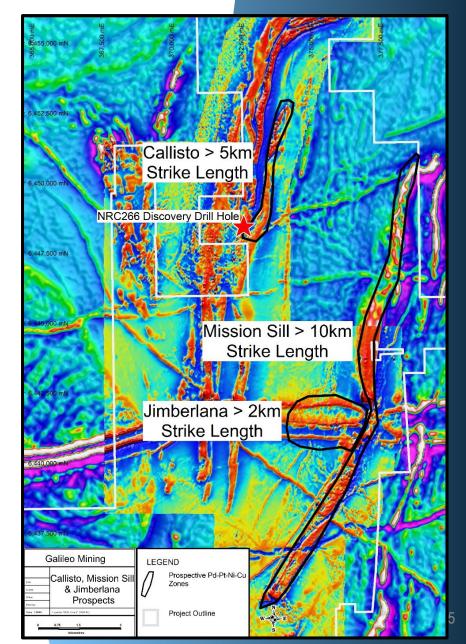
- High palladium and platinum results over broad intersections
  - 8m @ 1.44 g/t 2E (palladium + platinum), 0.11% nickel, 0.01% copper from 8m in NAC151 including
  - 4m @ 1.70 g/t 2E, 0.11% nickel, 0.01% copper from 12m
  - 15m @ 0.44 g/t 2E, including 4m @ 0.69 g/t 2E in NAC160
- Nickel & cobalt results coincident with precious metals:
  - 4m @ 1.66% nickel, 0.16% cobalt, 0.31 g/t 2E from 32m in NAC126 within a wider zone of
  - 8m @ 1.21% nickel, 0.15% cobalt, 0.26 g/t 2E from 32m in NAC126 including
- 2<sup>nd</sup> zone of nickel-cobalt includes elevated gold, palladium / platinum
  - 4m @ 0.90% nickel, 0.18% cobalt, 0.39 g/t gold, 0.23 g/t 2E
     from 52m in NAC126 within
  - 8m @ 0.87% nickel, 0.14% cobalt, 0.32 g/t gold and 0.16 g/t 2E
     from 52m

#### Norseman Project – Next Steps



- 1) Assaying of all drill holes from the current RC program
- Down hole EM surveying of selected drill holes to assist with next stage of drill targeting
- 3) Petrography of selected samples to determine precise rock classifications (as a guide to mineral fertility and prospectivity)
- 4) 2,000 to 5,000 metre RC drill program at the Callisto priority sulphide zone
- RC drilling of EM and geochemical targets at the Jimberlana prospect
- 6) IP and surface EM surveying of geological and geochemical targets at the Mission Sill prospect
- 7) Aircore drilling of 4 km untested prospective contact zone at the Mission Sill prospect
- RC drill testing of geophysical and geochemical targets at the Mission Sill prospect

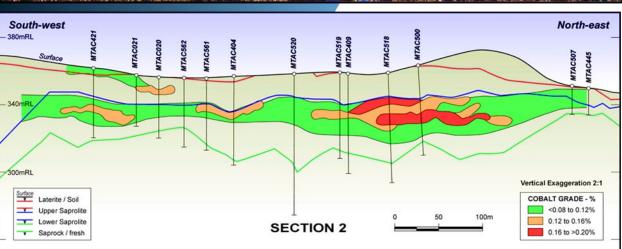
Extent of Galileo's Norseman project area with the interpreted palladium-platinum-copper-nickel prospective zones.





#### Norseman Project





#### **Nickel and Cobalt JORC Laterite Resource**

- 25.1Mt @ 0.11% cobalt and 0.49% nickel <sup>1</sup>
- 26,600 tonnes of contained cobalt and 122,500 tonnes of contained nickel
- Cobalt is contained within manganese minerals which are amenable to atmospheric leach extraction
- Shallow, flat lying deposit, 20 -30 metres deep
- Contiguous high-grade (>0.16% cobalt) mineralisation
- Improving prices for cobalt (~\$US80,000/tonne) and nickel (~\$US28,000/tonne)
- Provides leverage to increasing demand for cobalt and nickel from battery technology sector

<sup>1)</sup> See slide 24 for details

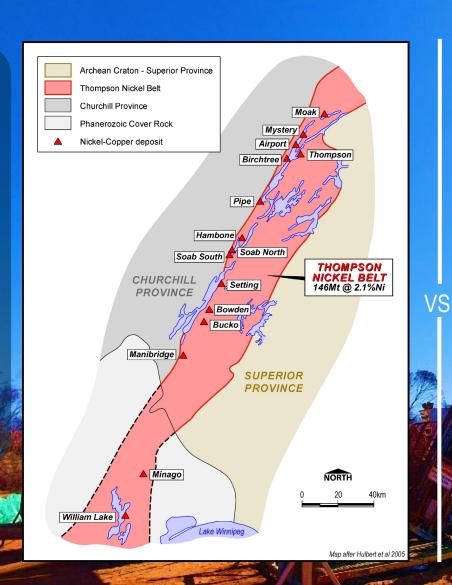


# Thompson (Canada) vs Fraser Range (Australia)



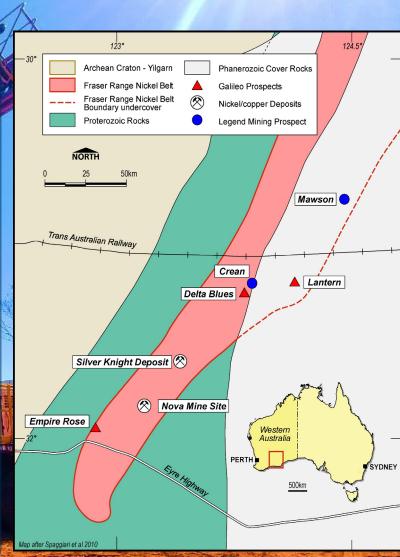
# Thomson Nickel Belt

- More than 10 deposits over 100km of strike length
- Total known resources of 146Mt
- Over 50 years of mining and exploration



#### Fraser Range Nickel Belt

- Two deposits with over 150km of prospective strike length
- Total combined resources of 18Mt at Nova and Silver Knight
- Immature nickel belt with untapped potential



# Exploration in the Fraser Range

#### **Geophysics – the key to undercover discoveries**

 Magnetic and gravity interpretation as a guide to the location of prospective intrusions

Regional EM surveying to define target positions beneath cover rock

• Two intrusions with sulphides identified to date at separate prospects

Lantern South: Mafic/Ultramafic intrusion with disseminated nickel-copper sulphides, 23m @ 0.19% Ni & 0.14% Cu LARC013D) and 41m
 @ 0.19% Ni and 0.14% Cu (LARC012)

Delta Blues: Felsic/Mafic intrusions with semi-massive copper sulphide,
 4m @ 0.29g/t Au and 0.29% Cu (DBRC001) and 4m @ 0.21g/t Au and
 0.27% Cu (DBRC003)

Increased confidence in regional prospectivity

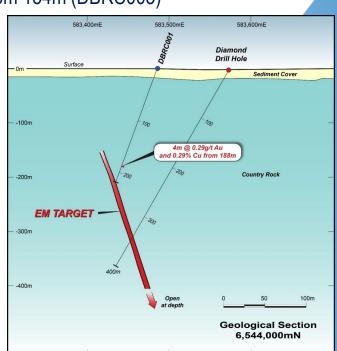




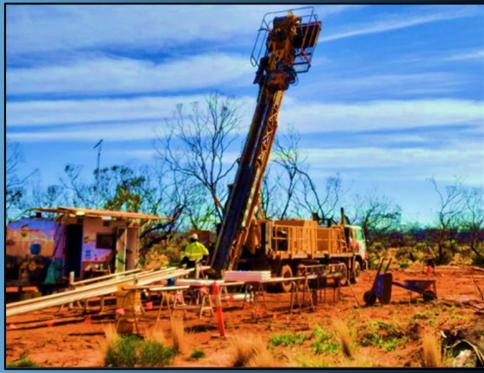
## Delta Blues (DB2) Drilling

#### Copper and gold assays from drilling confirm mineralised sulphides

- Copper-gold assay results from RC drilling :
  - 4m @ 0.29 g/t gold and 0.29% copper from 188m (DBRC001) including 1 metre @ 0.61 g/t gold and 0.66% copper from 190m
  - 5m @ 0.10 g/t gold and 0.25% copper from 167m (DBRC002)
  - 4m @ 0.21 g/t gold and 0.27% copper from 154m (DBRC003)
- Sulphides occur in association with tonalite intrusion (described petrographically as a trondhjemite)
- Down hole EM surveying to look for further drill targets
- Scale of mineralised system at DB2 is substantial with modelled conductor dimensions up to 500m by 500m







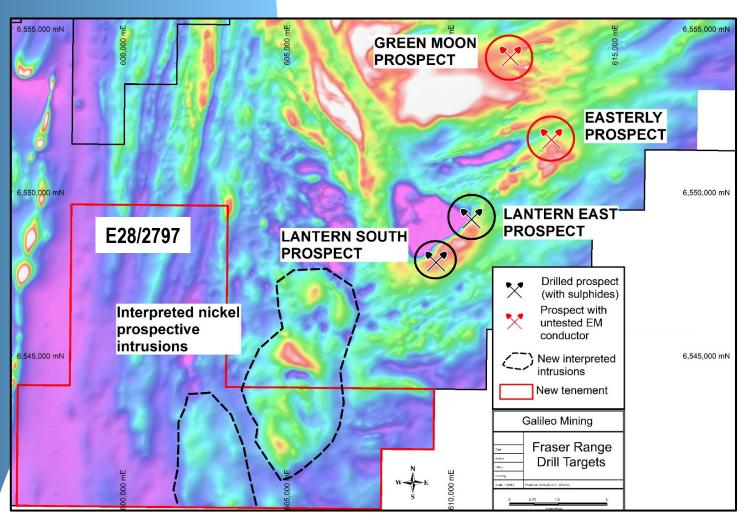


## Strategic new Fraser Range tenement

- Highly prospective greenfield tenement acquired along strike from Galileo's existing Fraser Range targets
- No previous exploration provides Galileo with a first mover advantage
- Tenement E28/2797 is six kilometres along strike from the Lantern South Prospect where previous drilling intersected nickel-copper sulphides
- Magmatic intrusions prospective for nickel mineralisation have been interpreted from detailed airborne magnetic data
- Ground EM surveying, with the aim of defining new drill targets, is ongoing

#### **Green Moon / Easterly**

- Infill EM surveying of highly conductive Green Moon prospect is planned to refine targets for drill testing
- Drill campaign planned at the Easterly Prospect & for new targets that develop from ongoing EM surveying.



New Fraser Range Greenfield Tenement E28/2797, the interpreted intrusive targets on new tenement and location of untested EM targets at the Easterly and Green Moon prospects (TMI magnetic background imagery)





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# Appendix – JORC Resources

Mineral Resource Estimates for the Norseman Cobalt Project ("Estimates") (refer to ASX "Prospectus" announcement dated May 25<sup>th</sup> 2018 and ASX announcement dated 11<sup>th</sup> December 2018, accessible at

http://www.galileomining.com.au/investors/asx-announcements/). Galileo confirms that all material assumptions and technical parameters underpinning the Estimates continue to apply and have not materially changed).

Cut-off	Class	Tonnes Mt	Со		Ni	
Cobalt %			%	Tonnes	%	Tonnes
MT THIRSTY SILL						
0.06 %	Indicated	10.5	0.12	12,100	0.58	60,800
	Inferred	2.0	0.11	2,200	0.51	10,200
	Total	12.5	0.11	14,300	0.57	71,100
MISSION SILL						
0.06 %	Inferred	7.7	0.11	8,200	0.45	35,000
GOBLIN						
0.06 %	Inferred	4.9	0.08	4,100	0.36	16,400
TOTAL JORC COMPLIANT RESOURCES						
0.06 %	Total	25.1	0.11	26,600	0.49	122,500