



DRILLING UNDERWAY AT PRIORITY NORSEMAN TARGETS

Highlights

- RC drill campaign targeting Platinum Group Elements (PGEs) and nickel/copper is underway at the Norseman Project
- 2,000 metre program with drilling planned for completion within three weeks and first assay results expected in late September/October
- Drill targets are between one and five kilometres to the north of the 17.5Mt Callisto resource¹
- Drilling is designed to test a combination of geophysical EM targets, geophysical IP targets, and geochemical targets
- Excellent funding with \$13.6 million in cash as at 30th June 2024²

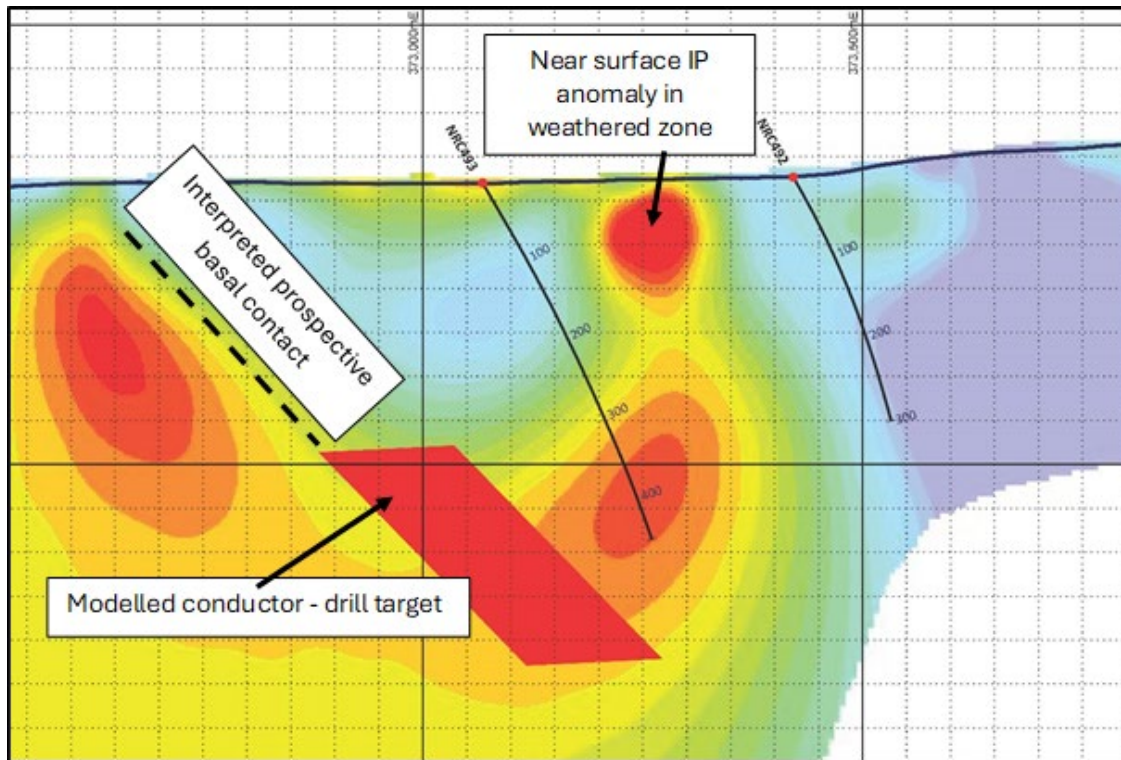
Fig 1: RC drill rig on site at the Norseman Project



¹ See Table 1 and ASX Announcement dated 2 October 2023 for JORC resource details

² Quarterly cash flow report dated 16 July 2024

Figure 2 – Modelled conductive target zone beneath NRC493. IP resistivity background image (red colour in IP image = low resistivity IP anomalies, related to higher conductivity zones)



Galileo Mining Ltd (ASX: GAL, “Galileo” or the “Company”) is pleased to announce RC drilling north of the Callisto deposit has commenced at the Company’s 100% owned Norseman project in Western Australia.

Galileo Managing Director Brad Underwood commented; “RC drilling has commenced at our Norseman Project with a number of high priority targets to be drilled in this work program. Having proven the prospectivity of the area with the discovery of the Callisto deposit, we are now exploring this newly discovered fertile region for further resources. The current program will be drilling a combination of geophysical and geochemical targets between one and five kilometres north of Callisto.

At the same time, we are continuing our target generation through detailed interpretation of the large-scale IP geophysical data sets we have collected over the entire prospective belt.

With \$13.6 million in cash² we are fully funded to undertake all planned activities, and we will maintain our focus on exploration through the present market conditions. We believe a new resource discovery will always create value, and that is what we aim for each time we go drilling.”

Drill targets are based on the results of down hole EM surveying³, updated IP survey data⁴, and geochemical/geological targeting⁴. All targets are within the Callisto North prospect between one and five kilometres north of the Callisto deposit.

³ See ASX announcement dated 22 July 2024

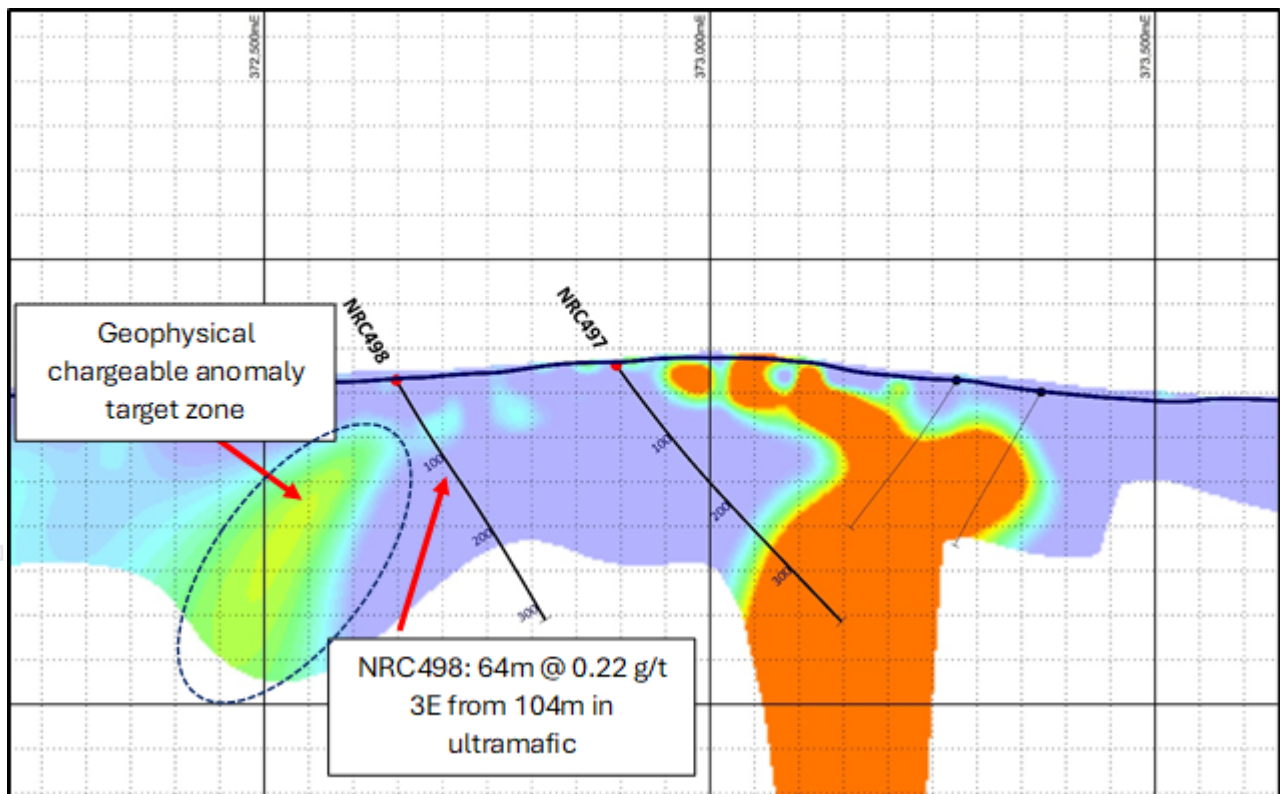
⁴ See ASX announcement dated 12 June 2024

Downhole EM surveying was undertaken on drill hole NRC493 (location in Figure 2), which was originally drilled into a high chargeability/low resistivity geophysical anomaly defined by pole-dipole IP surveying. The geology intersected in drill hole NRC493 was unable to explain the geophysical response while intersecting a thick zone of ultramafic rock interpreted to be a unit of the same prospective sill which hosts the Callisto nickel-copper-PGE deposit.

Data from the down hole EM survey showed a highly conductive response which was modelled with a plate size of 202 metres strike length, 432m down dip extent, and a conductance of 16,129S. The model dips to the southeast and passes approximately 100m beneath the drill hole NRC493 (Figure 2).

Another prospective result from the May 2024 round of drilling was received from NRC498, drilled adjacent to a moderately strong geophysical response (see Figure 3). This chargeable response will be the subject of follow up drill testing in the current drill program.

Figure 3 – Chargeability model of IP survey line 6,449,100N (dipole-dipole data) with anomalous drill results in NRC498 and follow up target zone. NRC497 intersected only minor Pd-Pt in ultramafic rock. A range of chargeable responses will be tested in the current drill program, from very strong to moderate anomalies, to determine whether there is a relationship between Pd-Pt grades and various geophysical parameters (anomaly size/strength/shape/depth below surface etc.)



Further prospective results were received from NRC496 drilled on section line 6,449,700 (Figure 4). A large zone of anomalous mineralisation has been identified in ultramafic rock which broadly matches the top of a change in chargeable response and a change in geology to the west. This target will be drilled to determine whether the subtle geophysical response and the ultramafic/mafic contact zone are linked to zones of mineralisation.

Regional pole-dipole surveying of the 20km Callisto trend and the 12km Mission Sill trend is now complete with ongoing interpretation to determine which geophysical responses will be selected for drill testing. The exploration strategy is to build on the understanding of the geophysical data gained from recent drilling and to continue working from areas of higher data density (areas with drilling) to those with no drilling.

Figure 4 –Chargeability model of IP survey line 6,449,700N (pole-dipole data) with anomalous drill results in NRC496, previous drill results from NRC463, and follow up target zone at the contact between ultramafic and gabbroic rocks units.

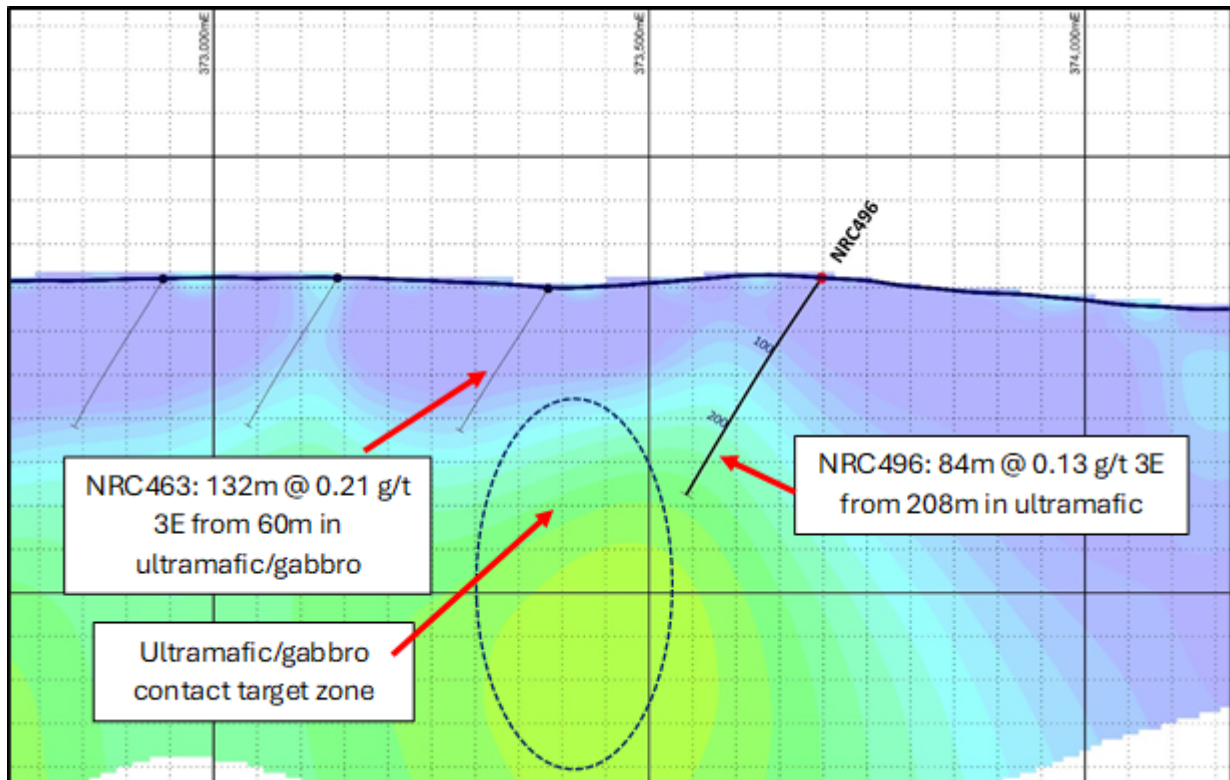


Figure 5 – North Callisto prospect with sulphide target zone and location of recent drilling. TMI magnetic background image. Square black box shows locations of current drill targets.

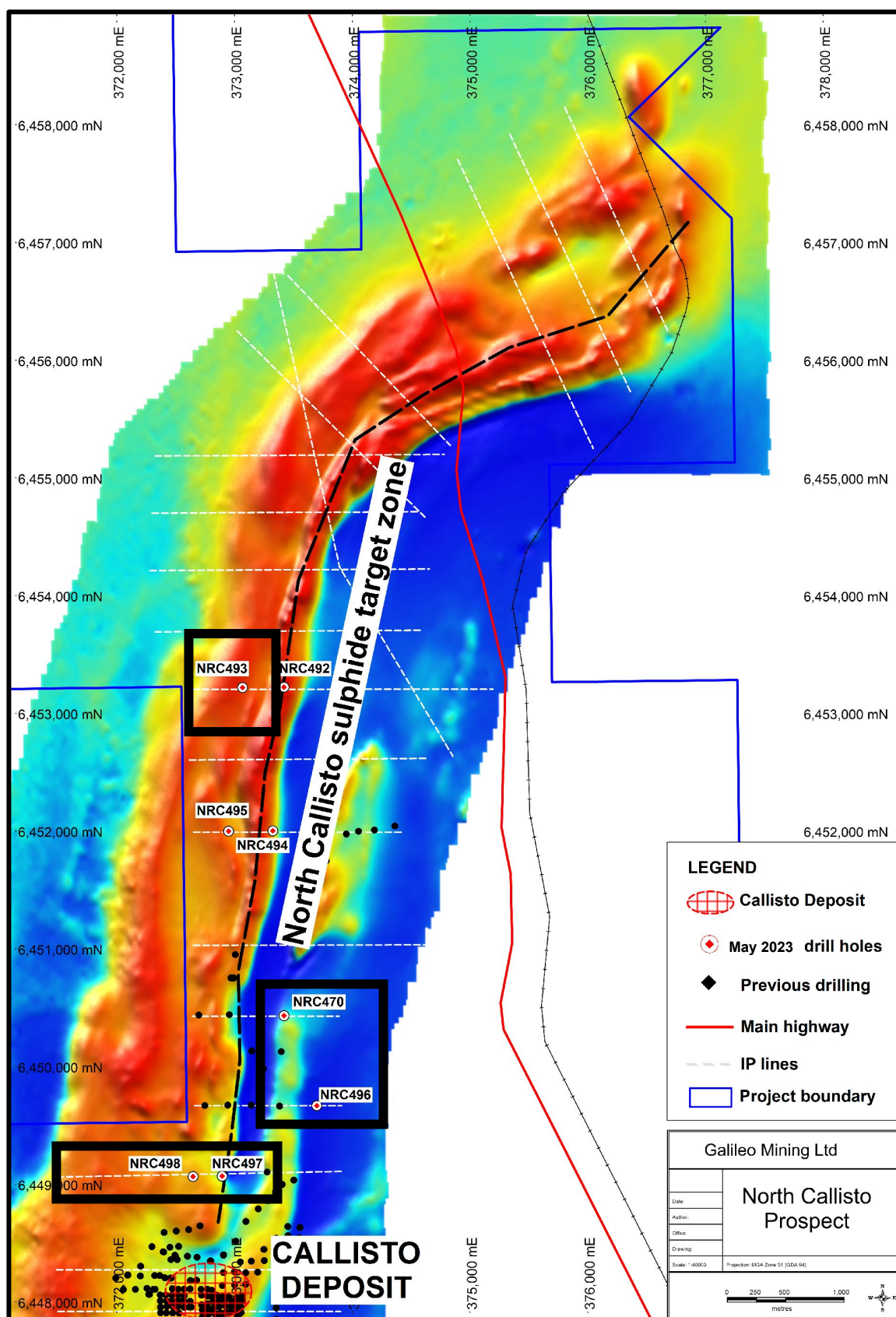


Figure 6 – Callisto deposit and prospective geological trends at Galileo's Norseman project.

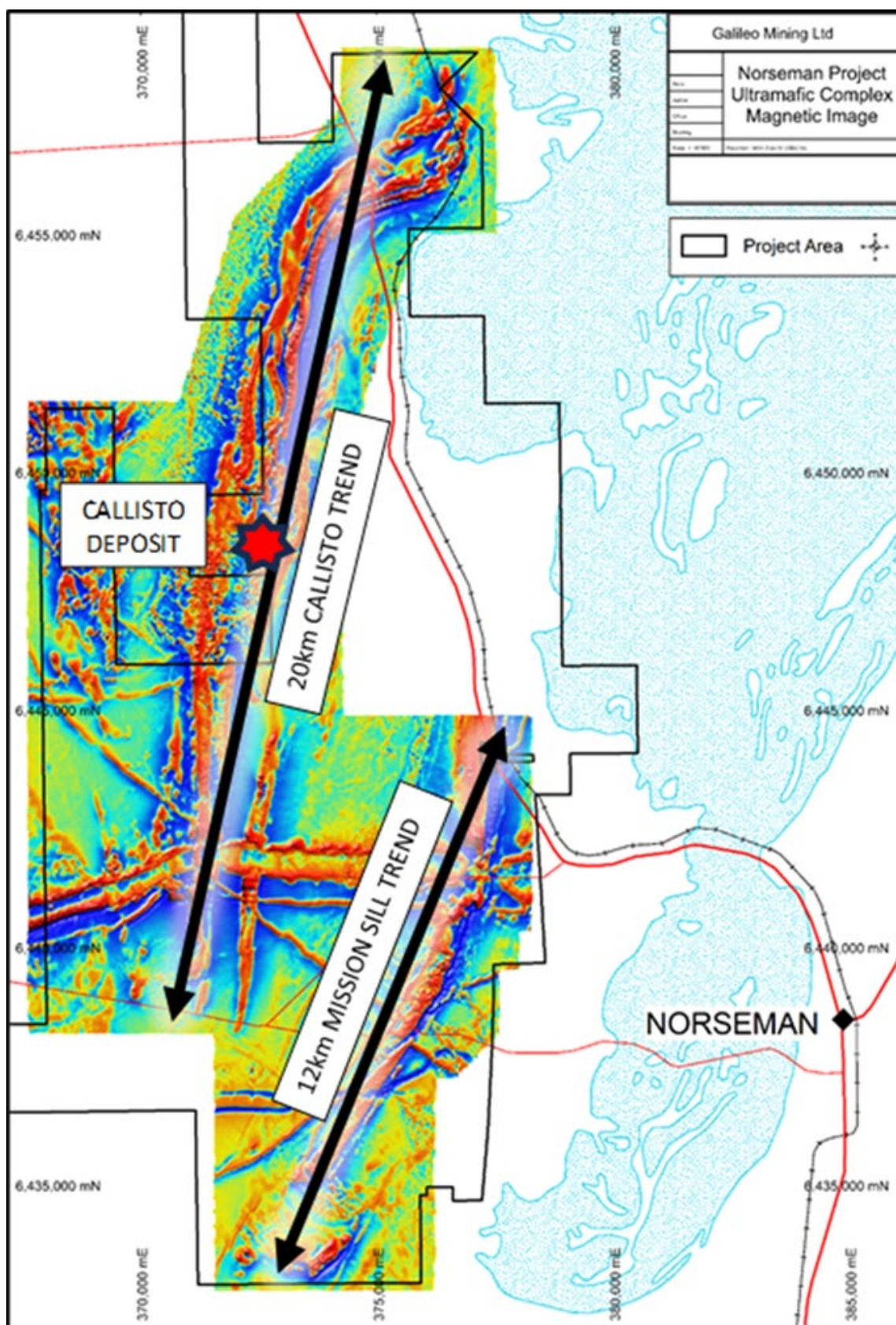
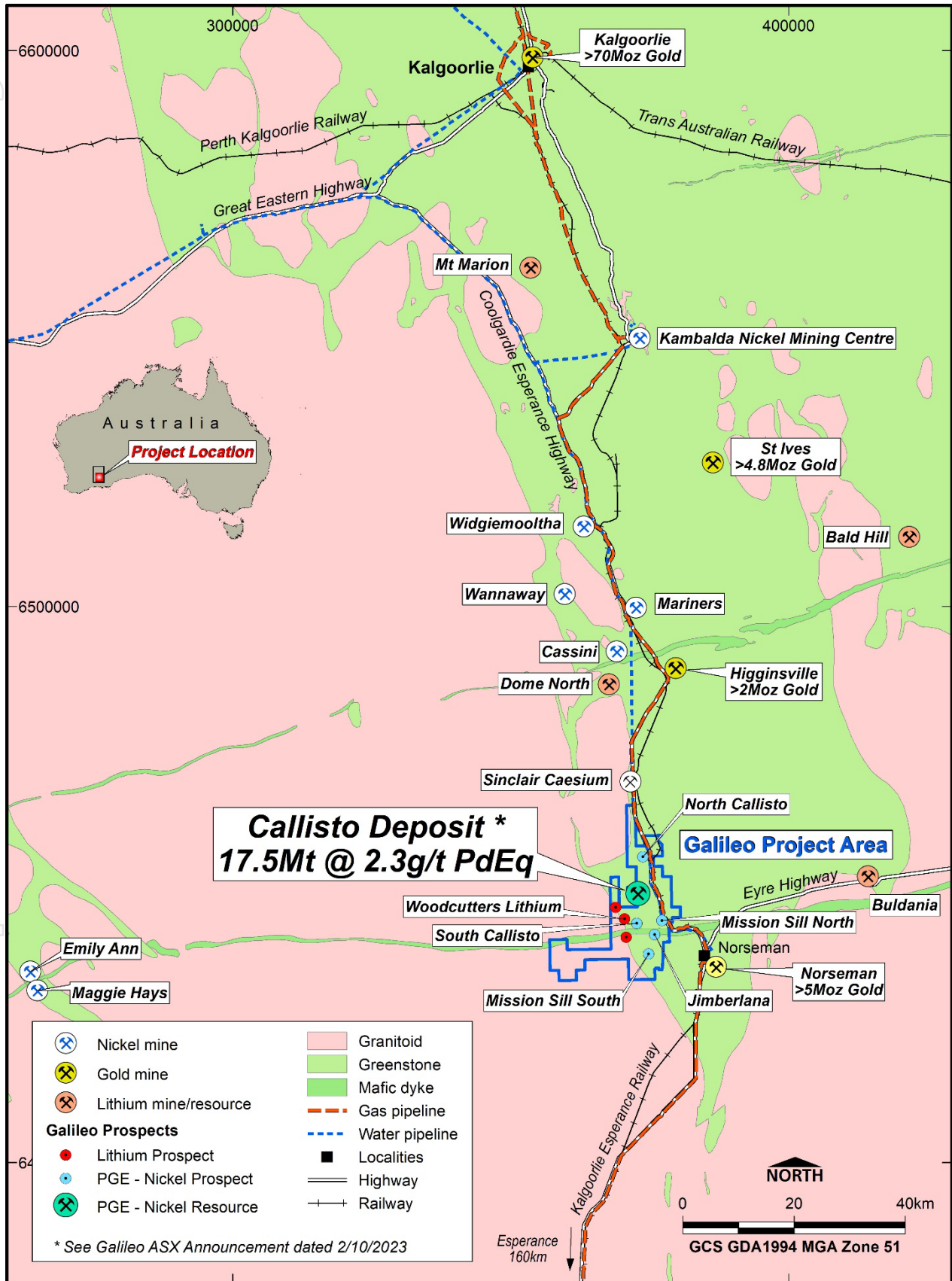


Figure 7 – Norseman project location map with a selection of mines, resources, and infrastructure.



About Galileo Mining:

Galileo Mining Ltd (ASX: GAL) is focussed on the exploration and development of PGE (palladium-platinum), nickel, copper, and cobalt resources in Western Australia. GAL's tenements near Norseman are highly prospective for new discoveries as shown by the Callisto deposit. GAL also has Joint Ventures with the Creasy Group over tenements in the Fraser Range which are prospective for nickel-copper sulphide deposits similar to the operating Nova mine.

Norseman (100% GAL)

The wholly owned Norseman project contains the Callisto Discovery and adjacent regional prospects Jimberlana and Mission Sill with potential for palladium, platinum, nickel, copper, cobalt, and rhodium mineralisation. Galileo's tenure at Norseman comprises mining, exploration, and prospecting licenses covering a total area of 255 km².

The Callisto deposit was discovered in 2022 and is the first deposit of its type identified in Australia, analogous in mineralisation style to the Platreef deposits found in South Africa. An initial Mineral Resource Estimate was reported in 2023 with 17.5 Mt @ 1.04g/t 4E², 0.20% Ni, 0.16% Cu (2.3g/t PdEq³ or 0.52% NiEq⁴).

Table 1 - Callisto Deposit Maiden Mineral Resource Estimate (JORC 2012) (see ASX announcement: 2 October 2023)

Reporting Criteria	JORC	Mass (Mt)	Grades									Metal accumulations								
			Pd (ppm)	Pt (ppm)	Au (ppm)	Rh (ppm)	Ni (%)	Cu (%)	PdEq (ppm)	NiEq (%)	4E (ppm)	Pd (Koz)	Pt (Koz)	Au (Koz)	Rh (Koz)	Ni (Kt)	Cu (Kt)	PdEq (Koz)	NiEq (Kt)	4E (Koz)
Indicated		7.96	0.92	0.16	0.048	0.030	0.22	0.19	2.5	0.58	1.16	235.3	41.5	12.4	7.8	17.3	14.9	639	45.8	296.9
Above 60mRL and cut-off > 0.5g/t PdEq	Inferred	8.76	0.74	0.14	0.043	0.025	0.19	0.14	2.0	0.47	0.94	207.2	38.6	12.1	7.0	16.3	12.3	576	41.3	264.9
Sub total		16.72	0.82	0.15	0.046	0.027	0.20	0.16	2.3	0.52	1.04	442.5	80.1	24.5	14.8	33.6	27.1	1,216	87.1	561.8
Below 60mRL and cut-off > 1.5g/t PdEq	Inferred	0.76	0.78	0.13	0.036	0.027	0.19	0.14	2.1	0.49	0.97	18.9	3.2	0.9	0.7	1.4	1.1	51	3.7	23.6
Total		17.48	0.82	0.15	0.045	0.027	0.20	0.16	2.3	0.52	1.04	461.4	83.3	25.3	15.4	35.0	28.2	1,267	91	585.4

Metal equivalent price assumptions of Callisto Resource released on 2nd October 2023

Based on metallurgical test work completed to date, the Company believes that Callisto's mineralisation is amenable to concentration using a conventional crushing, milling and flotation process and has Reasonable Prospects for Eventual Economic Extraction.

Metallurgical recovery assumptions used for metal equivalent value calculations were: Pd – 82%, Pt – 78%, Au – 79%, Rh – 63%, Ni – 77%, Cu – 94%

Metal price assumptions, based on 12 month calculated averages to 11th September 2023, were used for metal equivalent values: Pd – US\$1,600/oz, Pt – US\$975/oz, Au – US\$1,870/oz, Rh – US\$9,420/oz, Ni - US\$23,800/t, Cu – US\$8,420/t

Fraser Range (67% GAL / 33% Creasy Group JV)

Galileo is actively exploring for magmatic massive sulphide nickel-copper-cobalt deposits across its Fraser Range tenements covering over 600km² of highly prospective ground in the Albany-Fraser Orogen. The project is well positioned within the nickel-copper prospective Fraser Range Zone, with the operating Nova-Bollinger mine located between 30km and 90km from Galileo tenure.

²4E = Palladium (Pd) + Platinum (Pt) + Gold (Au) + Rhodium (Rh) expressed in g/t

³ PdEq (Palladium Equivalent) = Pd (g/t) + 0.580 x Pt (g/t) + 1.13 x Au (g/t) + 4.52 x Rh (g/t) + 4.34 x Ni (%) + 1.88 x Cu (%)

⁴ NiEq (Nickel equivalent) = Ni % + 0.230 x Pd (g/t) + 0.133 x Pt (g/t) + 0.259 x Au (g/t) + 1.04 x Rh (g/t) + 0.432 x Cu (%)

Competent Person Statement

The information in this report that relates to Exploration Results is based on, and fairly represents, information and supporting documentation prepared by Mr Brad Underwood, a Member of the Australasian Institute of Mining and Metallurgy, and a full time employee of Galileo Mining Ltd. Mr Underwood has sufficient experience that is relevant to the styles of mineralisation and types of deposit under consideration, and to the activity being undertaken, 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" (JORC Code). Mr Underwood consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

With regard to the Company's ASX Announcements referenced in the above Announcement, the Company is not aware of any new information or data that materially affects the information included in the Announcements.

Authorised for release by the Galileo Board of Directors.

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Appendix 1:
Galileo Mining Ltd – Norseman Project
JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	<i>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</i> <i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i> <i>Aspects of the determination of mineralisation that are Material to the Public Report.</i> <i>In cases where ‘industry standard’ work has been done this would be relatively simple (eg ‘reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay’). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</i>	- No drilling was completed in this phase of works - GEM Geophysics Pty Ltd completed field acquisition of the Down Hole Electromagnetic (DHEM) - DHEM survey data was collected with a digi Atlantis/Zonge ZT-30 system with a 600m by 400m loop, 75A current, and base frequency of 0.25Hz - Maxwell software was utilised to process and model the MLEM data. - Modelling and interpretation of the EM survey geophysical data was undertaken by Terra Resources
Drilling techniques	<i>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</i>	No drilling was completed in this phase of work
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i> <i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i> <i>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</i>	No drilling was completed in this phase of work
Logging	<i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i> <i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i> <i>The total length and percentage of the relevant</i>	No drilling was completed in this phase of work

Criteria	JORC Code explanation	Commentary
	<i>intersections logged.</i>	
Sub-sampling techniques and sample preparation	• If core, whether cut or sawn and whether quarter, half or all core taken. • If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. • For all sample types, the nature, quality and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. • Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling. • Whether sample sizes are appropriate to the grain size of the material being sampled.	• No drilling was completed in this phase of work
Quality of assay data and laboratory tests	• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. • For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. • Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	• No drilling was completed in this phase of work
Verification of sampling and assaying	• The verification of significant intersections by either independent or alternative company personnel. • The use of twinned holes. • Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. • Discuss any adjustment to assay data.	• No drilling was completed in this phase of work
Location of data points	• Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. • Specification of the grid system used. • Quality and adequacy of topographic control.	• No drilling was completed in this phase of work • Co-ordinates are in GDA94 datum, Zone 51. • Topographic control has an accuracy of 2m based on detailed satellite imagery derived DTM or on laser altimeter data collected from aeromagnetic surveys
Data spacing and distribution	• Data spacing for reporting of Exploration Results. • Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	• No drilling was completed in this phase of work

Criteria	JORC Code explanation	Commentary
	Whether sample compositing has been applied.	
Orientation of data in relation to geological structure	- Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. - If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	No drilling was completed in this phase of work
Sample security	The measures taken to ensure sample security.	- Each sample was put into a tied off calico bag and then several placed in large plastic "polyweave" bags which were zip tied closed. - Samples were delivered directly to the laboratory in Kalgoorlie by Galileo staff.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	Continuous improvement internal reviews of sampling techniques and procedures are ongoing. No external audits have been performed.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	- Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. - The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	- The Norseman Project comprises two exploration licenses, eighteen granted prospecting licenses and two mining leases covering 255km² - All tenements within the Norseman Project are 100% owned by Galileo Mining Ltd. - A 1% Net Smelter Royalty is payable to Australian Gold Resources Pty Ltd on mine production from within the Norseman Project (NSR does not apply to production from any laterite operations) - The Norseman Project is centred around a location approximately 10km north-west of Norseman on vacant crown land. - All tenements in the Norseman Project are 100% covered by the Ngadju Native Title Determined Claim. - The tenements are in good standing and there are no known impediments.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Between the mid-1960's and 2000 exploration was conducted in the area for gold and base-metals (most notably Ni sulphides). Exploration focussed on the Mt Thirsty Sill and eastern limb of the Mission Sill.

Criteria	JORC Code explanation	Commentary
		Central Norseman Gold Corporation/WMC (1966-1972) - Explored the Jimberlana Dyke for Ni-Cu-PGE-Cr. Soil sampling generated several Cu anomalies 160-320ppm Cu. Barrier Exploration and Jimberlana Minerals Between (1968 and 1974) - Explored immediately south of Mt Thirsty for Ni-Cu sulphide. IP, Ground Magnetic Surveys, Soil Sampling, Soil Auger Sampling and Diamond Drilling was completed. Resolute Limited, Great Southern Mines Ltd and Dundas Mining Pty Ltd (1993-1996) - Gold focussed exploration. Several gold anomalies were identified in soil geochemistry but were not followed up. Resolute assayed for Au, Ni, Cu, Zn but did not assay for PGE. - Resolute Limited drilled laterite regolith profiles over the ultramafic portions of the Mt Thirsty Sill and identified a small Ni-Co Resource with high Co grades. Kinross Gold Corp Australia (1999) - Completed a 50m line spaced aeromagnetic survey. 2000-2004 - Australian Gold Resources ("AGR") held "Mt Thirsty Project" from 2000 to 30th June 2004. Works identified Ni-Co resources on the Project. - Anaconda Nickel Ltd ("ANL") explored AGR Mt Thirsty Project as part of the AGR/ANL Exploration Access Agreement 2000-2001. AGR/ANL (2000-2001) - Mapping focussed on identifying Co-Ni enriched regolith areas. - RC on 800mx100m grid at Mission Sill targeting Ni-Co Laterite (MTRC001-MTRC035). Nickel assay maximum of 0.50%, Co 0.16%, Cu to 0.23%. - Concluded the anomalous Cu-PGE association suggested affinity with Bushveldt or Stillwater style PGE mineralisation. A lack of an arsenic correlation cited as support for magmatic rather than hydrothermal PGE source. AGR (2003-2004)

Criteria	JORC Code explanation	Commentary
		• Soil sampling over the Mission Sill and Jimberlana Dyke. • RC drilling (MTRC036-052) confirmed shallow PGE anomalism with best results of 1m at 2.04 combined Pt-Pd in MTRC038 from surface. • Petrography identified sulphide textures indicative of primary magmatic character. • Sixty samples were re-assayed for PGE when assays returned >0.05% Cu. A further 230 samples were re-assayed based on the initial Au-Pd-Pt results. The best combined result for Au-Pd-Pt was 5.7g/t. Galileo • Galileo commenced exploration on the Norseman Project from 30th June 2004 after sale of the tenements by AGR.
Geology	• <i>Deposit type, geological setting and style of mineralisation.</i>	• The Norseman target geology and mineralisation style is PGE-nickel-copper mineralisation related to layered intrusions (sills and dykes) and komatiite nickel sulphide mineralisation occurring within the GSWA mapped Mount Kirk Formation (and intrusions into this formation) • The Mount Kirk formation is described as "Acid and basic volcanic rocks and sedimentary rocks, intruded by basic and ultrabasic rocks"
Drill hole Information	• <i>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</i> ○ easting and northing of the drill hole collar ○ elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar ○ dip and azimuth of the hole ○ down hole length and interception depth ○ hole length. • <i>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</i>	• Refer to Appendix 1 for drill hole locations. • No assays reported in this announcement

Criteria	JORC Code explanation	Commentary
Data aggregation methods	<i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</i> <i>Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</i> <i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i>	No assays reported in this announcement
Relationship between mineralisation widths and intercept lengths	<i>These relationships are particularly important in the reporting of Exploration Results.</i> <i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i> <i>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</i>	- The drilling is oriented perpendicular to the lithological strike and dip of the target rock unit - It is unknown whether the orientation of sampling achieves unbiased sampling of possible structures as no measurable structures are recorded in drill chips. - No quantitative measurements of mineralised zones/structures exist, and all drill intercepts are reported as down hole length in metres, true width unknown.
Diagrams	<i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i>	- Project location map and plan map of the drill hole locations with respect to each other and with respect to other available data are included in the text. - Drill hole locations have been determined with hand-held GPS drill hole collar location (Garmin GPS 78s) +/- 5m in X/Y/Z dimensions
Balanced reporting	<i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i>	All available relevant information is presented.
Other substantive exploration data	<i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i>	- Detailed 50m line spaced aeromagnetic data has been used for interpretation of underlying geology. Data was collected by Magspec Airborne Surveys Pty Ltd using a Geometrics G-823 caesium vapor magnetometer at an average flying height of 30m. 28 lines (for 657 stations) of 200m or 400m line x 100m station spaced Moving Loop Electromagnetic survey data was collected over the prospect using a 200m loop. Data was collected using a Smartem receiver and Fluxgate receiver coil at base frequencies of 1.0Hz to 0.25Hz and 28-30 Amp current. Two conductor plates were modelled. Based on the available drill logs these conductors appear to

Criteria	JORC Code explanation	Commentary
		represent the position of sulphide rich sediment beneath the target mafic-ultramafic intrusion. • Consultants from Omni GeoX delineated the layered units within the sill using geochemical relationships identified by K-means cluster analysis and manual geochemical interpretive workflows. • Pole-Dipole Induced Polarisation (IP) survey data was collected using a pole-dipole array with a SMARTem 16 channel 24-bit receiver system (EMIT). A Search-Ex WB50 50KVA transmitter was utilised with a 100m receiver spacing. • Dipole-Dipole Induced Polarisation (IP) survey data was collected using a dipole-dipole array with a SMARTem 16 channel 24-bit receiver system (EMIT). A Search-Ex WB50 50KVA transmitter was utilised with a 50m receiver spacing. • Modelling and interpretation of IP survey geophysical data was undertaken by Terra Resources • Modelling and interpretation of DHEM survey geophysical data was undertaken by Terra Resources
Further work	• <i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> • <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	• RC drill testing • Dp-Dp IP surveying • Mapping and sampling