20 May 2015





VISION | COMMITMENT | RESULTS

ASX: PAN

# Lower Schmitz high grade drill results

## **Key Points**

- High-grade results received from three more Lower Schmitz drill holes:
  - 6.94m @ 7.31% Ni (SMT378B)
  - 11.23m @ 6.47% Ni, including 3.6m @ 11.28% Ni and 4.57m @ 6.84% (also in SMT378B)
  - 2.85m @ 4.63% Ni (SMT377B)
  - 9.80m @ 5.49% Ni, including 5.6m @ 8.68% Ni (SMT377C)
- Third underground drill rig being mobilised to site
- Development of the Lower Schmitz access decline ongoing, with anticipated completion in September 2015

#### Mine Life Extension

Panoramic Resources Limited ("Panoramic") is pleased to provide the following update on exploration at Lanfranchi. The Company's 2015 exploration program continues to be primarily focused on adding mine life at both the Lanfranchi and Savannah operations through near mine exploration. The Company believes it is well placed to achieve this objective following the recent high-grade Lower Schmitz discovery at Lanfranchi and the discovery of Savannah North at Savannah.

#### **Lower Schmitz**

#### **Background**

In January 2015, the Company announced that three significant zones of high-grade nickel sulphide mineralisation had been intersected in drill hole SMT373A (6.10m @ 5.73% Ni from 482.90m, 6.80m @ 5.02% Ni from 525.30m and 6.50m @ 6.11% Ni from 550.54m) down-plunge of the Schmitz orebody at Lanfranchi (refer to the Company's ASX announcements of 21 and 23 January 2015). Drill hole SMT373A was targeted at a large, 100m x 300m, open-ended electromagnetic (EM) anomaly, that was identified late last year down plunge of the Schmitz orebody in drill hole SMT366 (refer to the Company ASX announcement of 21 November 2014).

Based on the size and strength of the EM anomaly and the significance of the SMT373A intersections, development of an access drive from the Deacon Decline to the Lower Schmitz position was commenced and is on track to be completed in September 2015. This will allow additional Resource definition drilling to commence during the December 2015 quarter. Subsequent to commencing the access drive, the Company released further high grade drill results from the Lower Schmitz drilling (refer to the Company's ASX announcement of 20 April 2015). On the strength of the exploration results received to date the Company is mobilising a third underground rig to assist in the delineation of the Lower Schmitz discovery.

#### Recent drill results

Drill hole SMT377 was collared from the Schmitz 4510 hanging wall drill drive (*Figure 1*). Since the Company's announcement of 20 April 2015, two further SMT377 daughter holes have been completed. **SMT377B intersected 2.85m @ 4.36% Ni from 678m and SMT377C intersected 9.80m @ 5.49% Ni from 651.40m.** SMT377C is the final hole to be drilled from the 4510 hanging wall drill drive. The rig is currently being relocated to a new position (Schmitz 4710 Level) to commence drill hole SMT379, which is to drill a series of targets from the footwall basalt along the eastern side of the Lower Schmitz EM plate.



The SMT378 series of drill holes are being drilled from the base of the Schmitz decline (*Figure 1*). These drill holes are targeting the western side of the Lower Schmitz EM plate. Since the Company's announcement of 20 April 2015, two further SMT378 daughter holes have been completed. SMT378A intersected an unmineralised contact immediately to the west of the Lower Schmitz EM plate and **drill hole SMT378B intersected two significant high-grade zones of mineralisation**.

The first SMT378B mineralised zone is 6.94m @ 7.31% Ni, from 668.95m. This high-grade internal footwall intersection is situated near the normal footwall intersection in SMT378 (a footwall intersection refers to the situation where the mineralisation is confined within the footwall basalts and does not have the normal ultramafic rock type on the hanging wall side). The second high-grade mineralised zone intersected by SMT378B occurs from 754.84m on a normal footwall basalt ultramafic hanging wall contact and returned 11.23m @ 6.47% Ni, including an upper zone of 3.60m @ 11.28% Ni and a lower zone of 4.57m @ 6.84% Ni

Drill hole SMT378C has commenced and is the first of three holes targeting the centre-line of the Lower Schmitz EM plate. A third rig is due on site in early June. Over the next few months, the Company will use all three rigs to infill the area of the Lower Schmitz EM plate, immediately north of the initial discovery in SMT373A.

### Commentary

The Company is confident of the potential to add mine life at both Lanfranchi and Savannah from the current exploration programs. The discovery at Lower Schmitz highlights the ongoing exploration potential within the Lanfranchi tenements. In addition to the Lower Schmitz discovery, there remain a number of exploration targets to follow up at Lanfranchi, including known EM conductors, possible extensions to orebodies (within existing channels) and potential new channels that could host mineralised systems. The 2004 Ore Tolling and Concentrate Purchasing Agreement with BHP Billiton Nickel West operates until 2019, giving the Lanfranchi Project the opportunity to benefit from any exploration success.

### **About the Company**

Panoramic Resources Limited (**ASX code: PAN**) is a Western Australian mining company formed in 2001 for the purpose of developing the Savannah Nickel Project in the East Kimberley. Panoramic successfully commissioned the \$65 million Savannah Project in late 2004 and then in 2005 purchased and restarted the Lanfranchi Nickel Project, near Kambalda. In FY2014, the Company produced a record 22,256t contained nickel and is forecasting to produce approximately 19,500t contained nickel in FY2015.

Following the successful development of the nickel projects, the Company diversified its resource base to include gold and platinum group metals (PGM). The Gold Division consists of the Gidgee Project located near Wiluna and the Mt Henry Project (70% interest), near Norseman. Both projects are currently under feasibility study. The PGM Division consists of the Panton Project, located 60km south of the Savannah Project and the Thunder Bay North Project in Northern Ontario, Canada.

Panoramic has been a consistent dividend payer and has paid out a total of \$111 million in fully franked dividends since 2008. At 31 March 2015, Panoramic had \$61 million in cash, no bank debt and employed approximately 400 people.

The Company's vision is to broaden its exploration and production base, with the aim of becoming a major, diversified mining company in the S&P/ASX 100 Index. The growth path will include developing existing resources, discovering new ore bodies, acquiring additional projects and is being led by an experienced exploration-to-production team with a proven track record.

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• NSR

No Significant Result



Figure 1 - Plan View of Lower Schmitz area showing latest drill results 514000mN -400 \_\_\_\_ 391000mE 391600mE 391400mE 391200mE 450 Metcalfe Access and Decline Schmitz Decline **SMT378** -500 513800mN 4510 **Drill Drive** -550 **SMT377 Schmitz** Metcalfe .600 513600mN 050 Lower Schmitz Access Decline 750 200 513400mN **AREA OF** STRONG EM 028 Development as of 16/05/15 SMT378A **SMT378B** 6.94m @ 7.31% Ni 11.23m @ 6.47% Ni 900 **SMT378** 10.72m @ 5.83% Ni incl. 8.36m @ 7.11% Ni 513200mN **SMT377C** 9.80m @ 5.49% Ni SMT373A 6.10m @ 5.73% Ni 6.80m @ 5.02% Ni 6.50m @ 5.82% Ni **SMT377B** 2.85m @ 4.36% Ni SMT377A 14.6m @ 2.87% Ni incl. 4.61m @ 6.04% Ni 513000mN PANORAMIC **LANFRANCHI OPERATIONS** Orebody Footwall basalt / ultramafic contact contour **LOWER SCHMITZ AREA EXPLORATION DRILLING EM Plate** 100m **RESULTS** Significant high grade Ni sulphide intercept



19 05 2015

KNO (Local Grid)



Table 1 - Summary of latest Lower Schmitz Drill Results

Hole	East (m)	North (m)	RL (m)	Dip (°)	Azi (°)	EOH (m)	From (m)	To (m)	Intercept	Cu (%)	Co (%)
SMT377B	391470.6	6513874.2	-442.3	-33.5	174.4	703.80	678.00	680.85	2.85m @ 4.36%	0.41	0.09
SMT377C	391470.6	6513874.2	-442.3	-33.5	174.4	680.30	651.40	661.20	9.80m @ 5.49%	0.31	0.10
SMT378A	391451.4	6514040.6	-503.2	-29.4	170.6	649.80			NSR		
SMT378B	391451.4	6514040.6	-503.2	-29.4	170.6	827.70	668.95	675.89	6.94m @ 7.31%	0.50	0.12
						and	754.84	766.07	11.23m @ 6.47%	0.50	0.10

Notes:

- 1. Intervals are down-hole lengths, not true-widths
- 2. Parameters: 1.0% Ni lower cut-off
- 3. Intercepts < 1.5 % m not included

Disclosure - Table 1 is a summary of the drill results described in the main body of this release. The JORC 2012 Compliance Tables for the reporting of exploration results (Section 1 and Section 2) is provided in Appendix 1.

### **Competent Person**

The information in this release that relates to Exploration Targets and Exploration Results is based on information compiled by John Hicks. Mr Hicks is a member of the Australasian Institute of Mining and Metallurgy (AusIMM) and is a full-time employee and shareholder of Panoramic Resources Limited. Mr Hicks also holds performance rights in relation to Panoramic Resources Limited. Mr Hicks has sufficient experience that is relevant to the style of mineralisation and type of target/deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Hicks consents to the inclusion in the release of the matters based on the information in the form and context in which it appears.





## Appendix 1 – JORC 2012 Disclosures

## Lanfranchi Project - Table 1, Section 1 - Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	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.  Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.  Aspects of the determination of mineralisation that are Material to the Public Report.  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	Virtually all sampling for exploration and resource estimation purposes at the Lanfranchi Nickel Mine (LNM) is based on diamond drill core. Sample selection is based on geological core logging. Individual samples typically vary between 0.2m and 1.2m in length.
	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.	
Drilling techniques	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).	Diamond drilling at LNM is typically NQ2 or LTK60 size. Occasionally BQ and HQ core size holes have been drilled.
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.  Measures taken to maximise sample recovery and ensure representative nature of the samples.  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.	All recovered diamond core is metre marked by on site geologists; any core loss is determined and recorded as part of the geological logging process. Core recovery is typically 100 percent.  No relationship exists between core recovery and grade.
Logging	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.  Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.  The total length and percentage of the relevant intersections logged.	All core is geologically and geotechnically logged to a standard appropriate for exploration and mineral resource estimation purposes. Core is logged from start to end of hole without gaps. Core photography is not undertaken. Drill holes are logged using Excel templates that are code restricted to ensure that only approved data can be entered. The Excel templates are then uploaded to the Lanfranchi SQL Server drill hole database via Datashed.
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.	All diamond core is cut using electric core saw and half core sampled for assay. Quarter core samples are sent as part of the LNM QAQC process for check assaying. Sample intervals typically vary between 0.2m and 1.2m and are positioned as to not cross geological boundaries.
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.	All LNM drill hole samples are analysed by Kalassay Group. The Laboratory process for LNM samples involves: Crush sample to <3mm, pulverise to 90% passing 75um (lab blanks introduced and pulverised at this point). From the pulverised sample, a 0.2g assay aliquot is taken and weighed then digested by 4-Acid digest and analysed by ICP-OES instrument. Laboratory QA/QC is performed on standards, blanks and duplicates. The LNM policy is to scrutinize the results for QA/QC standards and blanks when assay jobs are reported and to request re-runs if result are ± 1SD from the expected value.



Criteria	JORC Code explanation	Commentary
	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.	No other geophysical or analytical tools have been used to estimate grade.
	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.	Certified Reference Material (QAQC) samples are routinely inserted during all sampling at LNM. In addition samples are routinely sent for check analysis at a different Laboratory. The QAQC results indicate that the diamond core assays being used for resource estimation at LNM are a fair
		representation of the material that has been sampled.
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	Significant intersections are calculated by mine geologists and verified/reported on a monthly basis by the Geology Manager.
	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.	Twinning of drillholes is not performed at LNM Assay data are imported directly from the Kalassay assay files and QA/QC validated via Datashed to the LNM SQL drillhole database.  No adjustment to assay data is made.
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.	Drill hole collars are accurately surveyed for X,Y,Z and azimuth and dip by site Surveyors using "Total Station" control. Older holes may/may not have collar azimuth/dip measurements. Down-hole surveys are generally conducted using single shot or reflex multishot tools at 15m, 30m and
	Specification of the grid system used.	every 30m thereafter. The LNM drill hole database contains both MGA94 and local mine grid (KNO) coordinates. All site geological and mine planning work is performed in the local KNO grid system. Conversion from KNO grid to MGA GDA94 Zone 51 is based on a two point transformation: 389084.61E, 513790.88N = 389351.47E, 6513980.38N 389044.77E, 513543.54N = 389313.70E, 6513732.77N
	Quality and adequacy of topographic control.	
Data spacing and distribution	Data spacing for reporting of Exploration Results.	LNM resource estimation drill holes are typically drilled on a regular grid spacing that varies according to the size and consistency of the resource being drilled. Due to the consistent grade and low Coefficient of Variation of nickel mineralisation generally, resource definition drilling at LNM is more for volume estimation purposes than grade estimation. Data spacing is deemed to be sufficient for Mineral Resource
	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.  Whether sample compositing has been applied.	estimation and reporting. LNM exploration holes are not drilled on regular grid pattern. No sample compositing is undertaken; all core samples are logged and analysed in full.
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.	Underground drill sites are not always ideally positioned for resource definition drilling however no sampling orientation bias is evident. The Ni grade is typically very consistent within individual resource domains and therefore drill orientation is not a determinant for reliable grade estimation
Sample security	The measures taken to ensure sample security.	All diamond core samples are taken directly from site to Kalassay for analysis via a local courier service. Sample security is considered adequate.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No recent audit of the sampling techniques and procedures at LMN has been undertaken.  All the LNM Mineral Resource estimates are audited by independent consultants BM Geological Services. Minor adjustments to model dimensions, geostatistical analysis and application of top-cuts (where required) and adjustments to search parameters have been made on occasions following this audit process.





## Lanfranchi Project - Table 1, Section 2 - Reporting of Exploration Results

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 Lanfranchi Nickel Mine (LNM) is an operating mine secured by a contiguous block of 35 Mineral Leases, 1 Mining Lease and 1 Prospecting Licence, covering the Tramways Dome 40km south of Kambalda in WA. All tenure is current and in good standing. Panoramic Resources Limited (Panoramic) has the right to explore for and mine all commodities within the tenements other than gold. The LNM is an operating mine with all statutory approvals and licences in place to operate. The mine operates under an off-take agreement to mine and deliver nickel ore to BHP-Billiton's Nickel West Kambalda concentrator.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	The LNM tenements were purchased by Panoramic in 2004 from WMC Resources Ltd. WMC had held the Lanfranchi Tramways tenements and explored the region since 1967. WMC commenced mining at the LNM in 1976.
Geology	Deposit type, geological setting and style of mineralisation.	Panoramic mines nickel sulphide rich ore from several deposits at Lanfranchi. All deposits belong to the "classic' Kambalda style, komatiite hosted, nickel sulphide class of deposits.
Drill hole Information	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: 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.  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.	Panoramic routinely drills surface and/or underground exploration holes about the Tramways Dome in search of additional nickel sulphide mineralisation. Details of the LNM exploration holes mentioned in this accompanying document can be found in Table 1 of the document.
Data aggregation methods	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.  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.  The assumptions used for any reporting of metal equivalent values should be clearly stated.	Weighted averages were calculated using the Intercept Calculator within the DBMS DataShed. Parameters used were a1.0% Ni lower cut-off, minimum reporting intercept of 1m, and a maximum internal waste of 1.5 consecutive metres.
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results.  If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.  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').	All LNM exploration drilling is conducted on the KNO local grid system. For public reporting purposes drill hole coordinates are expressed in MGA94 coordinates in accordance with JORC 2012 requirements. Where the geometry of the mineralisation is known the estimated true width of mineralisation will be reported. Where the mineralisation geometry is not sufficiently known the downhole intersection length of mineralisation is reported, and clearly stated to be the case.
Diagrams	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.	Based on the material nature of the LNM exploration results being reported on, the diagram in the body of the accompanying report is considered sufficiently appropriate.
Balanced reporting	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.	Based on the material nature of the LNM exploration results being reported on in the accompany document, the report is considered to be sufficiently balanced.
Other substantive exploration data	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;	No other exploration data is considered material to this report at this stage.



Criteria	JORC Code explanation	Commentary
	metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	
Further work	The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).  Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Routine exploration drilling is ongoing at the LNM. The results reported herein will, at least in the short term, have a material effect on the planned exploration programs currently underway at the LNM. Immediate follow-up programs are being developed to undertake further work in the subject area of this release.

