

## vision commitment results



28 April 2014 ASX: PAN

### Savannah North Drilling and Geology Update

### **Highlights**

- Significant intersection of 33.7m @ 1.56%Ni in follow-up hole KUD1525B plus additional mineralised zones
- KUD1525B confirms mineralisation extends from the initial discovery to the east and in an up-dip direction
- Surface drilling opens up entirely new exploration front
- Planning for exploration drill drive underway

### **Details**

Panoramic Resources Limited ("Panoramic") is pleased to provide the following update on the Savannah North drilling program. Since the last update (*refer ASX announcement 28 March 2014*), the Company has completed a further two underground holes (KUD1525A and 1525B) from the 1675 drill cuddy and two additional broadly spaced surface holes. Several significant zones of "Savannah Style" magmatic breccia mineralisation have been intersected in KUD1525B. Surface drilling is establishing an entirely new exploration front around the margin of the North Olivine Gabbro ("NOG").

#### **Underground Drilling**

Since the 28 March 2014 announcement, two diamond holes have been drilled from the 1675 drill cuddy:

- KUD1525B (a daughter hole to KUD1525), was drilled to test an off-section area approximately 75m to the east and 80m up dip of the initial discovery in KUD1525. KUD1525B has intersected **several significant zones of mineralisation**, **results to date include (see** *Table 1***)**:
  - o 33.70m @ 1.56% Ni (including 25.7m grading 1.79% Ni) from 657m
  - o 7.96m @ 1.06% Ni from 715.1m
  - o 4.40m @ 2.04% Ni from 797.9m
- KUD1525A (a daughter hole of KUD1525) was drilled along the same azimuth as KUD1525 targeting an area approximately 100m above the initial discovery zone in KUD1525. KUD1525A intersected 1.8m @1.72% Ni on the contact of the Savannah Intrusion at a down-hole depth of 571m (*Figure 1*).

Drill hole KUD1525C has commenced and is designed to test an off section area approximately 60m to the west and 40m down dip of the initial Savannah North discovery in KUD1525.





#### Surface Drilling

Two surface drill rigs are on site drilling a series of broad spaced holes to build a better understanding of the broader geological and structural relationships of the Savannah North Project area. Three surface drill holes (SMD153, 154 and 155) have been completed to date.

As previously announced on 28 March 2014, drill hole SMD153 targeted a strong off-hole electromagnetic ("EM") anomaly identified in KUD1525. Drill hole SMD153 intersected a broad zone of fine grained, disseminated sulphide mineralisation from ~910 to 1,025m (down hole). A chilled margin contact zone to the North Olivine Gabbro ("NOG") and surrounding geology was identified between 1025 to 1038m, returning an intersection of 7.0m @ 0.50% Ni, 0.21% Cu and 0.02% Co. Assays for the broader zone of disseminated mineralisation outlined above are still pending. At the time it was unclear if the broad zone of disseminated sulphides identified was sufficient to explain the strong EM response identified in KUD1525. It is now considered that the disseminated sulphides encountered in SMD153 are not adequate to explain the strong off-hole EM response identified in KUD1525, nor the strong, highly conductive down-hole electromagnetic ("DHTEM") response subsequently identified in SMD153. Further drilling and DHTEM surveys are planned to continue testing this strong EM response.

Drill holes SMD154 and 155 were drilled to the east of section 6000mE (*Figure 2*). Both holes were drilled down through the NOG, and like SMD153, both holes intersected increasingly more olivine rich rock types and disseminated sulphide mineralisation at depth. The following zones of disseminated sulphides were intersected:

- SMD154, from 733.5m to 774.6m and 810.5m to 832.0m. Mineralised chilled margin zone from 832.0m to 840.0m.
- SMD155, from 1014.3m to 1026.0m, followed by weakly mineralised chilled margin zone 1026.0m to 1033.5m.

Assays for these zones are still pending and DHTEM surveys for both holes will be completed over the next few days.

The mineralisation intersected in the NOG by the three surface holes and possibly also by KUD1527 and 1528 (see ASX announcement 28 March 2014) is significant. It demonstrates for the first time that the NOG at Savannah is a mineralised intrusion very similar to the Savannah Intrusion. Importantly, this opens up an entirely new avenue for exploration at Savannah.

#### Forward Work Plan

Underground Drilling and Exploration drill drive

The underground drill rig will continue to target mineralisation about the initial discovery hole (KUD1525). Preliminary planning for a new exploration drill drive is in progress. The drive will extend off the 1570 drill drive that is currently being developed. While the final design and position of the drill drive has not yet been finalised and will be subject to ongoing drill results, initial planning indicates that 600 to 800m of development will be required to establish the drive. Initial indications suggest that this drive could be completed within the December quarter 2014.

#### Surface Drilling

The surface drill program currently in progress will continue to drill exploratory holes over the next two months. The drill program is tasked with increasing the understanding of the geology and structural relationships around the Savannah North Project area. In addition, surface drill holes, SMD154 and 155, will be EM surveyed over the next few days.





Figure 1: Plan View of Savannah North Project area showing position of underground and surface drill holes

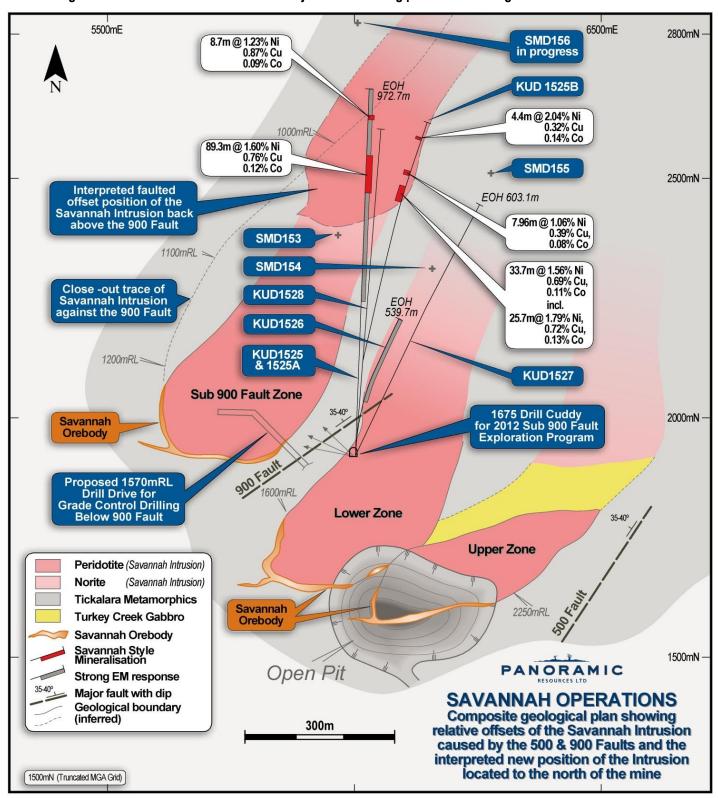






Figure 2: Cross Section View (6000mE) showing interpreted position of Savannah North Project mineralisation

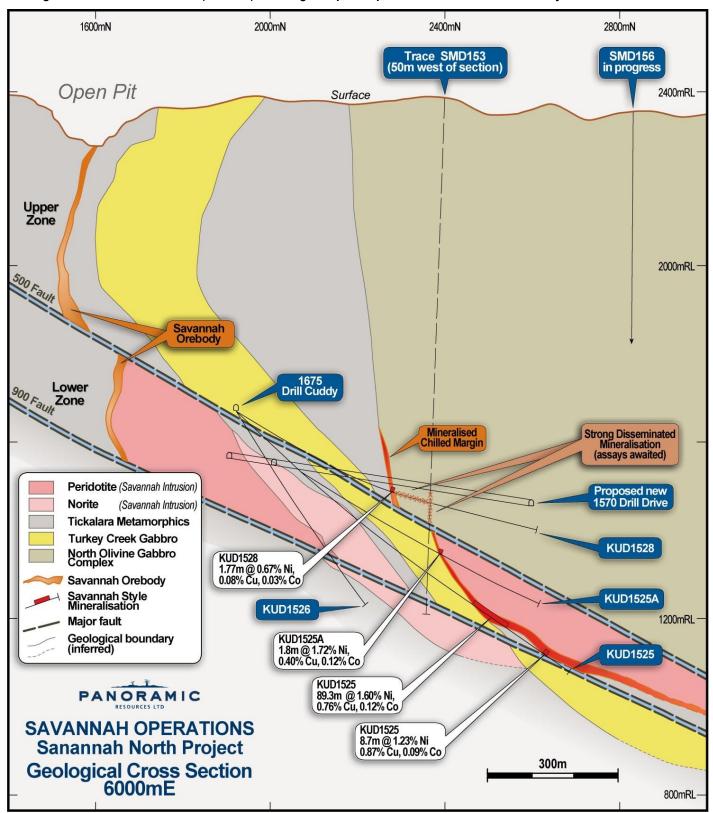






Table 1: Savannah North Drill Program - Drill Hole Tabulations

Hole ID	East	North	RL	Azimuth Grid	Dip	From	То	Length (m)	Ni%	Cu %	Co %	EOH (m)
KUD1525A	6012.1	1923.8	1678.5	358.2	-21.9	570.7	572.5	1.80	1.72	0.40	0.12	828.0
KUD1525B	6012.2	1923.8	1678.7	358.2	-21.9	657.0	690.7	33.70	1.56	0.69	0.11	836.5
including				657.0	682.7	25.70	1.79	0.72	0.13			
		and				708.8	710.7	1.89	1.49	0.96	0.12	
and				715.1	723.1	7.96	1.06	0.39	0.08			
and				731.9	732.3	1.48	2.29	0.75	0.17			
		and				797.9	802.3	4.40	2.04	0.32	0.14	
KUD1528*	6012.0	1923.8	1678.9	359.4	-30.0	409.7	411.5	1.77	0.67	0.08	0.03	749.5
SMD153*	5921.8	2401.1	2382.1	113.5	-87.4	1026.4	1033.4	7.00	0.50	0.21	0.02	1348.0
SMD154**	6144.9	2332.4	2362.1	146	-87.0							1186.9
SMD155**	5916.6	2395.6	2381.9	066	-67.5							1440.6

<sup>\*</sup> denotes more assay results to follow.

Disclosure - Table 1 is a summary of the Savannah North drill program results described in this release. The JORC 2012 compliance table for the reporting of exploration results (section 1 and section 2) is provided in Appendix 1. Panoramic gratefully acknowledges the Western Australian Government co-funding drilling grant awarded to Savannah Nickel Mines Pty Ltd to assist with the Savannah North Project surface drilling program.

#### **Competent Person**

The information in this release that relates to Exploration Results is based on information reviewed by John Hicks. Mr Hicks is a member of the Australasian Institute of Mining and Metallurgy (AusIMM) and is a full-time employee of Panoramic Resources Limited. Mr Hicks has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which each person 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.

#### **About the Company**

Panoramic Resources Limited (ASX Code PAN, ABN 47 095 792 288) is an established Western Australian mining company operating two 100% owned underground nickel sulphide mines, the Savannah Project in East Kimberley and the Lanfranchi Project near Kambalda, Western Australia. On a Group basis, Panoramic produced 19,561t of contained nickel in FY2013 and is forecasting to produce between **21,500 and 22,000t** of contained nickel in FY2014. Panoramic has a solid balance sheet, no bank debt and a growing nickel, gold and PGM resource base, employing more than 400 people (including contractors).

In early 2011, Panoramic acquired the Gidgee Gold Project, located near Wiluna, Western Australia. Panoramic subsequently acquired the high-grade Wilsons Project located within the Gidgee tenement package as well as a 70% interest in the Mt Henry Gold Project. Panoramic released a Scoping Study in August 2012 on the recommencement of gold production from Gidgee and released a positive Scoping Study on the Mt Henry Project in December 2012. Technical studies for the Gidgee and Mt Henry Bankable Feasibility Studies have commenced.

The Company has expanded into Platinum Group Metals (PGM) with the purchase of the Panton PGM Project located approximately 60km south of the Savannah Project in the East Kimberley and the Thunder Bay North PGM Project in Northern Ontario, Canada.

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.

For further information contact: Peter Harold, Managing Director +61 8 6266 8600

<sup>\*\*</sup> denotes assay results awaited





### Appendix 1 – JORC 2012 Disclosures

Table 1, Section 1 - Sampling Techniques and Data

Criteria	JORC Code explanation Commentary
Sampling techniques	<ul> <li>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.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>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.</li> <li>Mineralisation is sampled by diamond drilling techniques. Holes have been drilled from underground and surface dr locations.</li> <li>Due to the early stage of the program drilling is not yet carried out on standard spacing.</li> <li>Due to the early stage of the program drilling is not yet carried out on standard spacing.</li> <li>Due to the early stage of the program drilling is not yet carried out on standard spacing.</li> <li>Due to the early stage of the program drilling is not yet carried out on standard spacing.</li> <li>Due to the early stage of the program drilling is not yet carried out on standard spacing.</li> <li>Due to the early stage of the program drilling is not yet carried out on standard spacing.</li> <li>All diamond core has been geologically logged with samples (typically between 0.2 metre to 1 metre long) defined by geological contacts. Analytical samples includ a mix of full and sawn half core samples.</li> <li>All diamond core has been geologically logged</li></ul>
Drilling techniques	<ul> <li>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).</li> <li>A mix of HQ and NQ2 sized diamond drilling has been used to obtain all samples sent for assay. Some RC drilling is used to establish a pre-collar.</li> </ul>
Drill sample recovery	<ul> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>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.</li> <li>Diamond core recoveries are logged and recorded in the database. Overall recoveries are &gt;99% and there are no apparent core loss issues or significant sample recovery problems.</li> <li>Depths checked against core blocks, regular rod counts, driller breaks checked by fitting core together.</li> <li>No relationship exists between sample recovery and grade</li> </ul>
Logging	<ul> <li>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.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> <li>All holes have been geologically logged in full. Geotechnical logging is carried out on all diamond drillholes for recovery and RQD. Number of defects (per interval) and roughness is measured around the ore zones. Structure type, alpha angle, infill, texture and healing are stored in the structure table of the database.</li> <li>Logging of diamond core RC samples records lithology, colour, mineralisation, structural (DDH only) and other features. Core is photographed wet.</li> <li>All drill holes are logged in full.</li> </ul>
Sub-sampling techniques and sample preparation	<ul> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>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.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> <li>Analytical core samples include a mix of full and sawn half core samples.</li> <li>All core sampling and sample preparation follow industry best practice.</li> <li>QC involves the addition of Savannah derived CRM assatistandards, blanks, and duplicates. At least one form of QC is inserted in most sample batches.</li> <li>Original versus duplicate assay results show a strong correlation due to massive sulphide rich nature of the mineralisation.</li> <li>Sample sizes are considered appropriate to represent the "Savannah Style" of mineralisation.</li> </ul>





Criteria	JORC Code explanation	Commentary			
Quality of assay data and laboratory tests	<ul> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>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.</li> <li>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks and whether acceptable levels of accuracy (ie lack of bia and precision have been established.</li> </ul>	<ul> <li>No other analytical tools or techniques are employed.</li> <li>tc. • The onsite laboratory is run by SGS Laboratory Services.</li> <li>• The onsite laboratory carries out sizing checks, uses internal standards, duplicates, replicates, blanks and</li> </ul>			
Verification of sampling and assaying	<ul> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul> <li>Drilling and sampling procedures at SNM have been inspected by many stakeholders since the project began. These same procedures are being used for Savannah North.</li> <li>Currently no holes have been twinned at Savannah North.</li> <li>Holes are logged into Excel templates on laptops, data is then entered into MS Access database with user data entry front end built in. Data is ultimately transferred to SQL server from Perth office. Data periodically validated by site personnel.</li> <li>No adjustments have been made to assay data.</li> </ul>			
Location of data points	<ul> <li>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</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul> <li>All diamond drill hole collars have or will be surveyed using Leica Total Station survey equipment by a registered surveyor. "Reflex EZ Shot" or "Flexit Smart Tool" is used for downhole surveys at approximately every 30m.</li> <li>The mine grid is a truncated 4 digit (MGA94) grid system.</li> <li>Conversion from local grid to MGA GDA94 Zone 52 is calculated by applying truncated factor to local coords: E: +390000, N: +8080000N</li> <li>Topographic control is well established, RL equals AHD +</li> </ul>			
Data spacing and distribution  Orientation of data in relation to geological structure	<ul> <li>Data spacing for reporting of Exploration Results.</li> <li>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.</li> <li>Whether sample compositing has been applied.</li> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>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.</li> </ul>	nominal drill hole spacing.  Drill hole spacing and quantum is currently insufficient to derive a mineral Resource.  No sample compositing has been undertaken.  Drill hole orientation is largely oblique to the mineralisation. Currently underground drill platform positions only allow for oblique intersections.  No orientation sampling bias has been identified.			
Sample security	and reported if material.     The measures taken to ensure sample security.	<ul> <li>Samples transported to onsite lab by SNM staff. Samples sent off site are road freighted (Nexus transport) and tracked using spreadsheets onsite.</li> </ul>			
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No audits/reviews of the sampling techniques have been undertaken in recent time. The procedures used are considered to be industry standard. Mine to mill reconciliation records throughout the life of the SNM provides confidence in the sampling procedures.			





Table 1, Section 2 - Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status  Exploration done by other parties Geology	<ul> <li>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.</li> <li>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.</li> <li>Acknowledgment and appraisal of exploration by other parties.</li> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<ul> <li>The Savannah Nickel Mine (SNM) is an operating mine secured by five contiguous Mining Licences. All tenure is current and in good standing. SNM has the right to explore for and mine all commodities within the mining tenements, being ML's 80/179 to 80/183 inclusive.</li> <li>The SNM is an operating mine with all statutory approvals and licences in place to operate. The mine has a long standing off-take agreement to mine and deliver nickel sulphide concentrate to the Jinchuan Group in China.</li> <li>Since commissioning in 2004, SNM has conducted all recent exploration on the mine tenements.</li> <li>The SNM is based on mining ore associated with the Savannah Intrusion; a palaeo-proterozoic mafic/ultramafic magma conduit. The Ni-Cu-Co rich massive sulphide mineralisation occurs as "classic" magmatic breccias</li> </ul>
Drill hole	A summary of all information material to the understanding	developed about the more primitive, MgO rich basal parts of the conduit.  • All exploration at SNM is conducted on the Savannah mine
Information	of the exploration results including a tabulation of the following information for all Material drill holes:	<ul> <li>grid, which is a "4 digit" truncated MGA grid. Conversion from local to MGA GDA94 Zone 52 is calculated by applying truncated factor to local coords: E: +390000, N: +8080000. RL equals AHD + 2,000m</li> <li>Surface holes are cored from surface commencing with PQ, reducing to HQ and completed NQ2.</li> <li>Underground holes are drilled via a combination of HQ and NQ2 sized core</li> <li>For hole details pertaining to this release including collar and setup details, see Table 1 within the body of the main release.</li> <li>The design and interpretation of EM surveys conducted at Savannah for Panoramic is undertaken by Newexco Services Pty Ltd in Perth.</li> </ul>
Data aggregation methods	<ul> <li>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.</li> <li>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.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul> <li>All assay intersections for the Savannah North Project are reported based on a weighted average grade for the intersection using parameters of 0.5% Ni lower cut-off, minimum reporting length of 1m and maximum internal waste of 7m.</li> <li>Cu and Co grades were determined by the defined Ni grade interval, ie they were not calculated independently.</li> </ul>
Relationship between mineralisation widths and intercept lengths	<ul> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are</li> </ul>	The geometry of the mineralisation thus far reported of the savannah North Project with respect to the drill holes has not yet been established.  All interportion lengths reported in this accompanying.
	reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').	<ul> <li>All intersection lengths reported in this accompanying release are down-hole lengths and not true widths.</li> </ul>
Diagrams	<ul> <li>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.</li> </ul>	<ul> <li>Based on the limited level of data currently available for the Savannah North Project area Panoramic believe that a simplified plan and sectional view showing the location of the exploration drill results in relation to the main areas of the SNM operation is appropriate.</li> </ul>
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.	<ul> <li>Based on the fact that exploration results reported for the Savannah North Project to date are at an early stage, involving broadly spaced drill holes and EM survey data, (located well away from the mine), the report is considered to be sufficiently balanced.</li> </ul>





Criteria	JORC Code explanation	Commentary
Other substantive exploration data	<ul> <li>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.</li> </ul>	<ul> <li>No other exploration data is considered material to this release at this stage.</li> </ul>
Further work	<ul> <li>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale stepout drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	<ul> <li>The exploration results reported herein form part of an ongoing exploration program by Panoramic to explore the Savannah North Project area following the discovery of significant "Savannah Style" Ni-Cu-Co mineralisation in drill hole KUD1525. Details of the Company's plans for the Savannah North Project were outline in ASX announcement dated 28 February 2014 and updated herein this document. Further results will be reported when they become available.</li> </ul>