



CASSINI
RESOURCES LIMITED

ABN: 50 149 789 337

ASX Announcement

24 November 2014

FINAL NEBO ASSAYS CONTINUE TO IMPRESS

Summary:

- **Final batch of assay results from the recent drill program at Nebo confirm the continuity of high grade mineralisation**
- **Strong Results have clearly validated Cassini's strategy**
- **Mineralisation remains open along strike and down dip**
- **First PGE results demonstrate potential for additional by-product credits**
- **Program has demonstrated potential for further resource extensions and new discoveries**

Cassini Resources Limited (ASX:CZI) ("**Cassini**" or the "**Company**") is pleased to announce the final results have been received from the recent drill program targeting the Nebo Deposit, part of Cassini's 100% owned West Musgrave Project (the "**Project**")

Further Exceptional Intercepts

Results from the last drill holes at Nebo include a number of excellent high grade intercepts. These include the following:

- 9m @ 2.60% Ni, 1.13% Cu from 72m within 20m @ 1.52% Ni, 0.80% Cu from 65m (CZC0009);
- 8m @ 1.25% Ni, 0.76% Cu from 143m (CZC0047);
- 4m @ 1.59% Ni, 0.83% Cu from 172m within 13m @ 0.91% Ni, 0.83% Cu from 164m (CZC0061);
- 4m @ 1.25% Ni, 2.03% Cu from 62m within 13m @ 0.62% Ni, 0.91% Cu from 62m (CZC0062)
- 3m @ 2.06% Ni, 0.26% Cu from 119m within 20m @ 0.80% Ni, 0.49% Cu from 102m (CZC0072); and
- 5m @ 1.17% Ni, 0.67% Cu from 74m within 13m @ 0.70% Ni, 0.51% Cu from 74m (CZC0076).

(See Table 1 for a complete list of results and JORC Table 1 in Annexure 1 for drilling and assaying parameters.)

High Grade Mineralisation Confirmed; Strategy Validated

This final batch of assay results from Nebo has confirmed Cassini's working model of a high-grade core of mineralisation occurrence along the strike of the Nebo deposit. The continuity of the mineralisation has been confirmed and the effect of a number of north-south striking faults have been observed towards the central and eastern end of the deposit is limited. Mineralisation also appears to remain open down dip in the south west corner of the deposit.

The massive sulphide/breccia zone shows continuity over a combined strike of 1,400m (as shown in Figure 1). Cassini believes the width, grade and continuity of the infill drill intercepts supports the Company's development strategy of a higher-grade open pit mining operation.

Mineralisation is unconstrained at either end of the deposit and potentially remains open. While only modest grades were returned from the most eastern hole of the program, CZC0083, did demonstrate the continuity of the host intrusion, a fact which had not previously been identified. This presents another exploration target to be assessed in 2015.

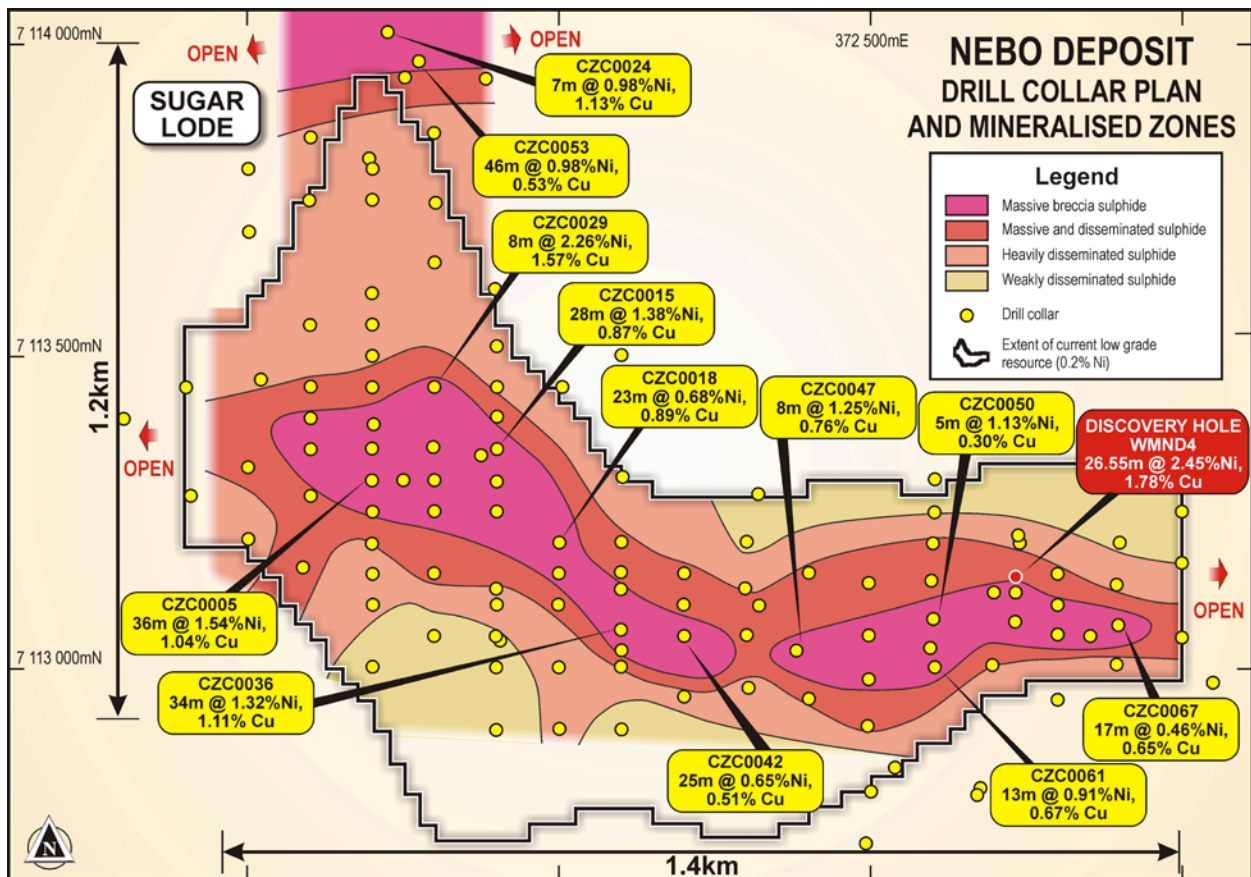


Figure 1. Nebo drill location plan showing zones of mineralisation and selected drill results.

Platinum Group Element Results

As part of the assay work conducted, the Company has received the initial PGE (Platinum Group Elements) analyses from a batch of 8 holes. Weighted average grades ranged from 0.09 g/t to 0.44 g/t combined platinum and palladium, with better grades generally associated with massive sulphide mineralisation. The results indicate the potential for additional metal by-product credits, which will improve the overall economics of the Project.



Managing Director Comment

Cassini's Managing Director, Richard Bevan said "I feel incredibly proud of our team at Cassini, who initially identified the high grade potential of these deposits, and who have now successfully demonstrated this at the Nebo. We have surpassed our expectations and we look forward to delivering strong results from the on-going program at the Babel deposit shortly."

Next Phase of the Work Program

Cassini's technical team are currently compiling and interpreting all geological drill data in preparation for an updated resource estimate at the Nebo deposit. The Company has engaged independent consulting group, CSA Global Pty Ltd, to complete the estimate and they have already commenced preliminary preparations including site visits. It is anticipated a resource estimate will be released early next year.

A number of exploration opportunities have been recognised during the program at Nebo including the discovery of the Sugar Lode which remains open. The Company is also encouraged that the host intrusion is continuous to the east, beyond Nebo, opening up approximately 6km of strike to the Yappsu Prospect, which has a geology that very closely resembles that of the Babel-Nebo system. These targets will be evaluated during the 2015 field season.

Drilling is progressing well at Babel with over 75% of the program complete. First assays from Babel have been delayed by freight services but are still expected by the end of the month.

The Company has also brought forward the drilling program at the Succoth copper deposit, also located within the West Musgrave Project, some 13 kilometres east from Nebo. This drilling campaign has commenced, with results expected imminently.

For further information, please contact:

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Table 1 – Drill Hole Details

HOLE ID	East	North	RL	Dip	Azi	EOH (m)	Intersection						
							From (m)	Width (m)	Ni %	Cu %	Co%	PGE g/t	
CZC0001	371800	7113150	469	-60	360	162	106	5	1.89	2.67	0.04	0.44	
							119	5	0.44	0.38	0.01	0.18	
CZC0002	371800	7113050	468	-60	360	192			NSI				
CZC0003	371700	7113450	468	-60	360	96	39	3	0.40	0.53	<0.01	0.21	
							46	7	0.12	0.50	<0.01	0.28	
							58	17	0.65	0.46	0.03	0.12	
							Including	68	2	1.38	1.17	0.06	0.33
CZC0004	371700	7113350	469	-60	360	138	56	29	1.00	0.61	0.04	0.20	
							Including	77	8	1.68	0.87	0.06	0.35
								99	3	0.67	0.45	0.02	0.16
								118	3	0.32	0.45	0.01	0.29
CZC0005	371700	7113300	469	-60	360	156	90	36	1.54	1.04	0.06		
							Including	90	10	2.46	1.44	0.08	
							And	108	2	3.67	0.16	0.12	
							And	119	4	3.11	0.84	0.11	
								134	11	0.41	0.52	0.02	
CZC0006	371700	7113250	469	-60	360	162	104	8	0.37	0.42	0.01		
								118	12	1.56	0.88	0.05	
								135	16	0.86	0.72	0.03	
							Including	135	5	1.96	1.71	0.06	
CZC0007	371700	7113750	469	-60	180	120	67	11	0.23	0.57	0.02		
							Including	70	1	0.31	1.17	0.02	
CZC0008	371702	7113390	468	-60	360	120	39	7	0.66	0.57	0.02		
							Including	43	3	1.30	0.76	0.04	
								56	24	0.72	0.67	0.04	
							Including	61	5	1.42	1.45	0.06	
							And	78	2	1.24	0.22	0.05	
								84	4	0.22	0.54	0.01	
CZC0009	372732	7113119	470	-60	347	120	65	20	1.52	0.80	0.05		
								96	6	0.28	0.43	0.01	
								106	2	0.38	0.42	0.02	
							Including	72	9	2.60	1.13	0.09	
CZC0010	371700	7113800	469	-60	180	132	57	24	0.37	0.67	0.04		
							Including	74	3	0.62	1.01	0.13	

HOLE ID	East	North	RL	Dip	Azi	EOH (m)	Intersection				
							From (m)	Width (m)	Ni %	Cu %	Co%
							108	4	0.41	0.38	0.01
							116	7	0.44	0.45	0.02
CZC0011	371900	7113125	468	-60	360	198	140	3	0.83	0.82	0.02
							186	9	0.39	0.46	0.01
CZC0012A	371906	7113043	469	-60	360	210			NSI		
CZC0013	371900	7113515	468	-60	360	144	77	2	0.14	0.44	<0.01
							81	2	1.00	0.41	0.03
CZC0014	371900	7113450	468	-60	360	132	80	11	0.19	0.45	<0.01
							97	3	0.45	0.24	0.01
CZC0015	371900	7113350	468	-60	360	144	63	28	1.38	0.87	0.05
						Including	63	4	2.06	2.02	0.06
						And	84	6	3.40	0.96	0.08
							96	8	0.71	0.27	0.02
CZC0016	371900	7113250	468	-60	360	180	87	3	0.37	0.91	0.01
							121	15	0.38	0.51	0.01
							147	9	0.43	0.45	0.01
CZC0017	371900	7113000	470	-60	360	210			NSI		
CZC0018	372000	7113200	469	-60	360	144	15	23	0.68	0.89	0.03
						Including	16	4	0.60	1.39	0.04
						And	29	6	1.13	1.28	0.04
							49	2	0.29	0.45	<0.01
CZC0019	372000	7113100	469	-60	360	180	72	9	0.63	0.42	0.02
							86	3	0.79	0.74	0.03
							103	3	0.48	0.37	0.02
CZC0020	372000	7113000	470	-60	360	222	123	3	0.34	0.72	0.01
							134	2	0.49	0.46	0.02
CZC0021	371600	7113750	470	-60	180	150	100	9	0.51	0.45	0.02
							117	2	0.26	0.47	0.01
							130	19	0.40	0.41	0.01
CZC0022	371600	7113850	470	-60	180	204	122	2	0.45	0.01	0.01
CZC0023	371700	7113550	469	-60	360	106	61	4	0.60	0.54	0.03
CZC0024	371725	7114020	470	-60	180	228	185	7	0.98	1.13	0.03
							195	2	0.54	0.84	0.02
							199	3	1.43	0.22	0.04
CZC0025	371700	7113500	469	-60	360	108			NSI		

HOLE ID	East	North	RL	Dip	Azi	EOH (m)	Intersection					
							From (m)	Width (m)	Ni %	Cu %	Co%	PGE g/t
CZC0026	371700	7113150	468	-60	360	192	124	2	0.84	0.58	0.02	
							130	5	0.53	0.35	0.02	
							146	2	0.47	0.07	0.02	
							160	7	0.46	0.47	0.01	
CZC0027	371800	7113300	469	-60	360	132	117	5	0.38	0.42	0.01	
CZC0028	371800	7113250	469	-60	360	138	62	15	0.15	0.58	<0.01	
							85	24	0.40	0.49	0.01	
							114	10	0.32	0.38	0.01	
CZC0029	371800	7113450	468	-60	360	144	46	8	2.26	1.57	0.08	
							75	3	1.02	0.43	0.03	
							131	5	0.58	0.47	0.02	
CZC0030	371800	7113650	468	-60	180	132	66	3	0.33	0.47	0.01	
CZC0031	372000	7113150	469	-60	360	168	47	37	0.47	0.58	0.03	
							Including	51	3	0.34	1.38	0.06
							And	57	1	0.48	1.45	0.07
							And	62	1	1.70	0.81	0.04
							And	78	1	1.14	1.01	0.04
CZC0032	371980	7112900	471	-60	360	210	94	8	0.55	0.19	0.03	
							185	2	0.60	0.33	0.02	
CZC0033	372000	7113450	468	-60	360	84			NSI			
CZC0034	372100	7113200	469	-60	360	114	1	12	0.52	0.91	0.04	
CZC0035	372100	7113150	469	-60	360	162	109	5	0.26	0.44	0.01	
CZC0036	372100	7113060	469	-60	360	156	77	34	1.32	1.11	0.05	
							Including	84	4	0.93	2.41	0.05
							And	91	12	2.25	1.17	0.08
							106	3	1.41	1.02	0.05	
							135	3	0.58	0.62	0.02	
CZC0037	372100	7113025	468	-60	360	138	72	3	0.37	0.42	0.04	
							81	5	1.60	0.29	0.03	
							96	3	0.32	1.11	0.01	
							103	12	1.23	0.44	0.04	
CZC0038	372100	7112900	470	-60	360	180			NSI			
CZC0039	372300	7113200	469	-60	360	78			NSI			
CZC0040	372200	7113150	468	-60	360	120	9	28	0.68	0.65	0.04	
							Including	24	8	1.15	1.04	0.08

HOLE ID	East	North	RL	Dip	Azi	EOH (m)	Intersection					
							From (m)	Width (m)	Ni %	Cu %	Co%	PGE g/t
CZC0041	372200	7113100	469	-60	360	102	65	4	0.51	1.78	0.01	
							82	7	0.74	0.53	0.03	
CZC0042	372200	7113050	469	-60	360	156	91	25	0.65	0.51	0.03	
							Including	93	5	1.62	0.69	0.10
CZC0043	372200	7112950	469	-60	360	109			ABD			
CZC0044	372320	7113100	469	-60	360	120	87	2	0.74	0.40	0.03	
CZC0045	372300	7113050	469	-60	360	150	133	2	0.38	0.43	0.01	
CZC0046	372400	7113150	470	-60	360	114	58	3	0.80	1.13	0.03	
							81	7	0.50	0.38	0.02	
CZC0047	372380	7113025	470	-60	360	186	106	2	0.15	0.60	<0.01	
							125	5	0.56	0.25	0.02	
							143	8	1.25	0.76	0.04	
							157	8	0.58	0.39	0.02	
CZC0048	372400	7112950	471	-60	360	102	24	4	0.19	0.43	0.05	
CZC0049	372600	7113200	471	-60	360	132	18	10	0.43	0.63	0.04	
							51	5	0.98	0.23	0.03	
							68	2	0.25	0.42	0.01	
CZC0050	372600	7113080	471	-60	360	198	102	2	0.14	0.63	<0.01	
							119	5	1.13	0.30	0.04	
							Including	119	2	2.16	0.41	0.07
CZC0051A	371800	7113750	470	-60	180	151	55	6	0.28	0.60	0.04	
							75	2	0.48	0.42	0.01	
CZC0052A	371800	7113850	473	-60	180	186	64	26	0.37	0.66	0.10	
							Including	70	4	0.54	1.38	0.34
CZC0053	371775	7113975	468	-60	180	210	155	46	0.98	0.53	0.03	
							Including	163	3	2.82	0.35	0.08
							And	180	5	2.59	0.20	0.08
							And	191	2	0.59	1.70	0.02
							And	197	3	1.31	0.37	0.04
CZC0054	371900	7113800	474	-60	180	102			NSI			
CZC0055	371700	7113100	468	-60	360	200	144	3	0.49	0.42	0.02	
CZC0056	371500	7113700	470	-60	180	150			NSI			
CZC0057	371500	7113800	470	-60	180	170			NSI			
CZC0058	371600	7113550	469	-60	360	120	67	5	0.28	0.45	0.02	
							85	14	0.45	0.36	0.02	

HOLE ID	East	North	RL	Dip	Azi	EOH (m)	Intersection					
							From (m)	Width (m)	Ni %	Cu %	Co%	PGE g/t
CZC0059	371600	7113450	469	-60	360	120	44	15	0.20	0.67	0.01	
						Including	53	3	0.22	1.24	0.02	
							67	22	0.31	0.57	0.03	
							100	7	0.30	0.40	0.01	
CZC0060	371600	7113400	469	-60	360	126	51	25	0.31	0.70	0.02	0.18
							96	4	0.71	0.47	0.03	0.14
CZC0061	372600	7113000	472	-60	360	210	164	13	0.91	0.67	0.04	
						Including	172	4	1.59	0.83	0.05	
CZC0062	372700	7113120	471	-60	360	125	62	13	0.62	0.91	0.03	0.19
						Including	62	4	1.25	2.03	0.05	0.26
							111	2	0.46	0.37	0.02	0.09
CZC0063	372800	7113150	469	-60	360	120	63	2	0.99	0.39	0.03	0.13
CZC0064	372800	7113100	470	-60	360	126	83	6	0.37	0.47	0.02	
CZC0065	372800	7113050	470	-60	360	138	111	4	0.47	0.38	0.02	
							122	3	0.30	0.59	0.01	
CZC0066	372800	7113000	470	-60	360	210			NSI			
CZC0067	372850	7113050	470	-60	360	162	48	2	0.26	0.72	<0.01	
							107	2	0.24	0.53	0.01	
							116	17	0.46	0.65	0.02	
CZC0068	372900	7113200	469	-60	360	76			ABD			
CZC0069	373000	7113250	469	-60	360	60			NSI			
CZC0070	373000	7113170	469	-60	360	102			ANR			
CZC0071	371600	7113350	468	-60	360	174	70	28	0.44	0.65	0.03	
							101	8	0.83	0.45	0.03	
						Including	105	2	1.88	0.60	0.07	
							132	3	0.23	0.50	0.01	
							139	8	0.75	0.43	0.02	
							165	7	0.32	0.42	0.01	
CZC0072	371600	7113275	468	-60	360	192	102	20	0.8	0.49	0.03	
						Including	119	3	2.06	0.26	0.07	
							124	2	0.08	1.31	<0.01	
							140	2	1.54	0.29	0.05	
CZC0073	371590	7113160	468	-60	350	180	154	3	0.56	0.52	0.01	
							177	3	0.39	0.59	0.01	
CZC0074	371400	7113450	470	-60	360	120			NSI			

HOLE ID	East	North	RL	Dip	Azi	EOH (m)	Intersection					
							From (m)	Width (m)	Ni %	Cu %	Co%	PGE g/t
CZC0075	371300	7113400	468	-60	360	150			NSI			
CZC0076	371750	7113300	468	-60	360	162	74	13	0.70	0.51	0.03	0.19
						Including	74	5	1.17	0.67	0.04	0.24
							91	25	0.50	0.58	0.02	0.18
							142	9	0.40	0.59	0.02	0.15
							154	5	0.31	0.49	0.01	0.17
CZC0077	372400	7112950	471	-60	360	168	161	5	0.61	0.94	0.02	0.21
CZC0078	372500	7112800	473	-60	360	90			ABD			
CZC0081	373000	7113050	469	-60	360	204	187	3	0.47	0.35	0.01	
CZC0082	373050	7112975	470	-60	360	174			ABD			
CZC0083	373100	7113010	470	-60	360	256	221	2	0.14	0.41	<0.01	
CZC0084	372800	7112950	471	-60	360	252	192	3	1.04	0.28	0.04	0.17
NSI = No Significant Intercept, ANR = Assays not received, ABD = Abandoned hole, did not reach target Only received PGE results are displayed												

About Cassini

Cassini Resources Limited (ASX: CZI) is an Australian resource company that successfully listed on the ASX in January 2012. In April 2014, Cassini acquired the significant Nebo and Babel nickel and copper sulphide deposits in the Musgrave region of WA. The Company's primary focus is now on the development of these deposits and progressing them through to successful mineral production as a matter of priority.

Cassini aims to progress its development projects, to explore and add value to its exploration stage projects with the aim to increase shareholder value.

Table 2. Nebo – Babel Inferred Mineral Resource Estimate

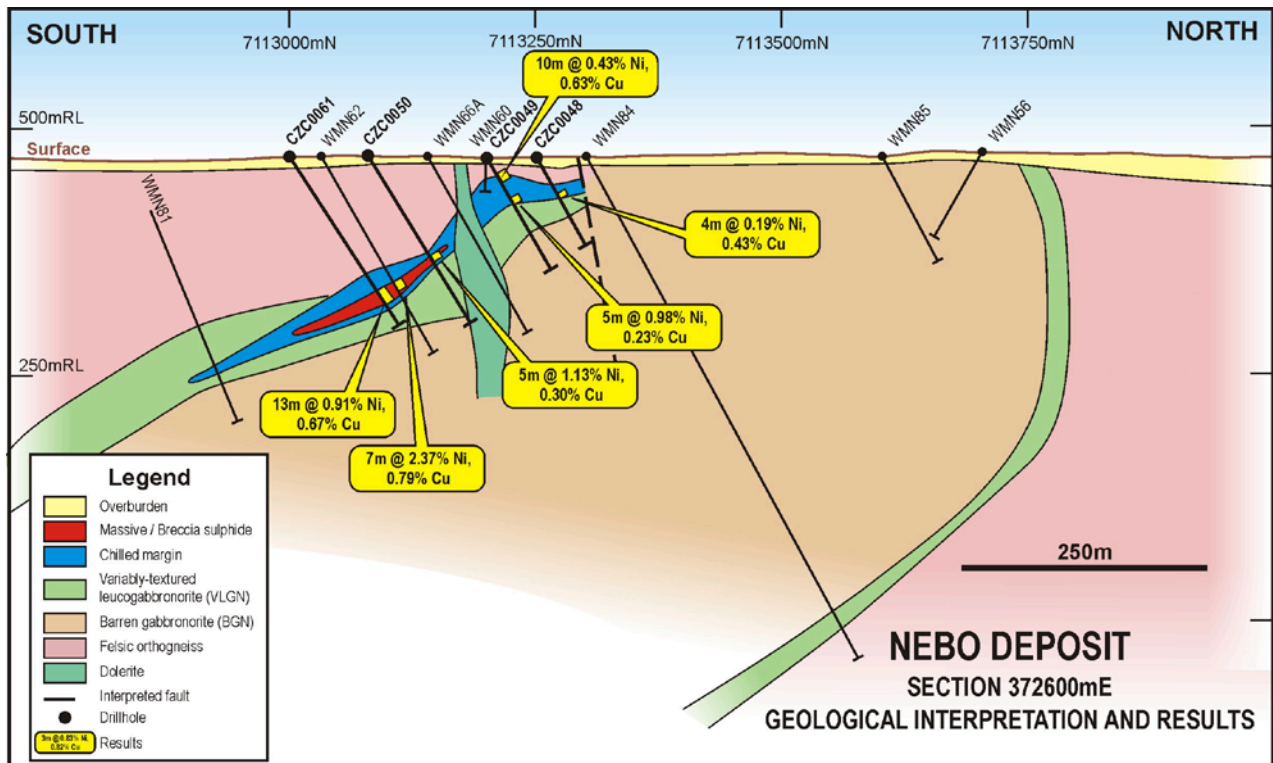
Prospect	Cut-off Ni%	Mt	Ni%	Cu%	As ppm	Co ppm	Fe %	MgO %	S %
Nebo	0.2	84	0.39	0.31	3	153	9.5	5.9	2.5
Babel	0.2	362	0.32	0.36	3	118	9.9	7.8	2.1
Total	0.2	446	0.33	0.35	3	125	9.9	7.4	2.2
Nebo	0.5	15.9	0.82	0.48	3	323	14.2	3.7	5.6
Babel	0.5	17.3	0.64	0.70	3	196	12.9	6.0	4.4
Total	0.5	33.2	0.73	0.59	3	257	13.5	4.9	5.0

Competent Persons Statement

The information in this report that relates to Exploration Results and Mineral Resource Estimates is based on information compiled or reviewed by Mr Greg Miles, who is an employee of the company. Mr Miles is a Member of the Australian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Miles consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

The Company is not aware of any new information or data, other than that disclosed in this report, that materially affects the information included in this report and that all material assumptions and parameters underpinning Mineral Resource Estimates as reported in the market announcement dated 14th of April 2014 continue to apply and have not materially changed.

ANNEXURE 1:



Cross-section through the eastern end of the Nebo Deposit. Additional sections can be found in ASX release on 29 October 2014.

The following Tables are provided to ensure compliance with the JORC Code (2012) edition requirements for the reporting of the Exploration Results at the Nebo deposit.

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>	The Nebo deposit was sampled using Reverse Circulation (RC) drill holes on a nominal spacing of 50m x 100m. A total of 86 RC drillholes for 12,816m were completed at Nebo. A further 50 holes for 9,047m have been completed at Babel, but all results remain pending. Holes were generally angled towards grid north at 60 degrees to optimally intersect the mineralised zones.
	<i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i>	The drillhole locations will be picked up by survey contractors at the completion of the drilling, they are currently surveyed by handheld GPS units. The RC samples have been obtained by a cone splitter. Sampling has been carried out under Cassini protocols and QAQC procedures as per industry best practice.
	<i>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 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</i>	Reverse Circulation drilling was used to obtain 1m samples from which 3 kg was pulverised (total prep) to produce a sub sample for analysis by four acid digest with an ICP/AES or ICP/MS finish (0.25 gram) for base metals or a FA/AAS finish (40 gram) for Au, Pt and Pd.

Criteria	JORC Code explanation	Commentary
	<i>problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</i>	
Drilling techniques	<i>Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic etc) and details (e.g. core diameter, triple of standard tube, depth of diamond tails, face-sampling bit or other type, whether core is orientated and if so, by what method, etc).</i>	Reverse Circulation accounts for 100% of the drilling completed by Cassini and comprises 140 mm diameter face sampling hammer drilling. Hole depths range from 42 to 228m.
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i>	RC recoveries are visually logged for every hole and recorded in the database. Actual recoveries were calculated for the first two holes for each rig. Overall recoveries are >95% and there has been no significant sample recovery problems.
	<i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i>	RC samples are routinely checked for recovery, moisture and contamination.
	<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>	The massive sulphide style of the mineralisation and the consistency of the mineralised intervals are considered to preclude any issue of sample bias due to material loss or gain.
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>	Drill chip samples have been geologically logged and the level of understanding of these variables increases with the maturity of the prospect.
	<i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i>	Logging of RC samples at Nebo recorded lithology, mineralogy, mineralisation, weathering, colour and other relevant features of the samples. Logging of chips is both qualitative (eg. colour) and quantitative (eg. mineral percentages).
	<i>The total length and percentage of the relevant intersections logged.</i>	All drillholes were logged in full.
Sub-sampling techniques and sample preparation	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	Not applicable as samples are non-core.
	<i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i>	RC samples were collected on the rig using cone splitters. All samples in mineralised zones were dry.
	<i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i>	The sample preparation of RC samples at Nebo follows industry best practice in sample preparation involving oven drying, followed by pulverisation of the entire sample (total prep) using Essa LM5 grinding mills to a grind size of 90% passing 75 micron.
	<i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i>	Field QC procedures involves the use of certified reference material (CRM) as assay standards, along with blanks and duplicates. The insertion rate of these averaged 1:15 with an increased rate in mineralised zones.
	<i>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.</i>	Field duplicates were taken on 1m composites directly from the cone splitter.
	<i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	Sample sizes are considered appropriate for the rock type, style of mineralisation (massive sulphides), the thickness and consistency of the intersections, the sampling methodology and percent value assay ranges for the primary elements at Nebo.
	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and</i>	The analytical techniques used a four acid digest multi element suite with ICP/AES or ICP/MS finish (25 gram)

Criteria	JORC Code explanation	Commentary
Quality of assay data and laboratory tests	<i>whether the technique is considered partial or total.</i>	for base metals and a FA/AAS for previous metals. The acids used are hydrofluoric, nitric, perchloric and hydrochloric acids, suitable for silica based samples. Total sulphur is assayed by combustion furnace. These methods approach total dissolution of most minerals.
	<i>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.</i>	Hand held assay devices have not been reported.
	<i>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.</i>	Sample preparation for fineness were carried by the laboratory as part of their internal procedures to ensure the grind size of 90% passing 75 micron was being attained. Laboratory QAQC involves the use of internal lab standards using certified reference material, blanks, splits and replicates as part of the in-house procedures. Certified reference materials, having a good range of values, were inserted blindly and randomly. Results highlight that sample assay values are accurate and that contamination has been contained. Repeat or duplicate analysis for samples reveals that precision of samples is within acceptable limits.
Verification of sampling and assaying	<i>The verification of significant intersections by either independent or alternative company personnel.</i>	Both the Exploration Manager and the Technical Director of Cassini have viewed the RC chip samples.
	<i>The use of twinned holes.</i>	To date Cassini has not twinned any drill holes.
	<i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i>	Primary data was collected for Nebo using a set of standard Field Marshal templates on laptop computers using lookup codes. The information was sent to Geobase Australia for validation and compilation into a SQL database server.
	<i>Discuss any adjustment to assay data.</i>	No adjustments or calibrations were made to any assay data
Location of data points	<i>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.</i>	Holes drilled to date by Cassini have been located with a Garmin hand-held GPS and are assumed to be accurate to $\pm 5m$. This is considered appropriate for the drill hole spacing. At the completion of the drill program, survey contractors will be employed to complete differential GPS surveying. Downhole surveys were completed every 5m using north-seeking gyroscopes after hole completion. Stated accuracy is $\pm 0.25^\circ$ in azimuth and $\pm 0.05^\circ$ in inclination.
	<i>Specification of the grid system used.</i>	The grid system for Nebo is MGA_GDA95, Zone 52.
	<i>Quality and adequacy of topographic control.</i>	The tenement package exhibits subdued relief with undulating hills and topographic representation is sufficiently controlled.
Data spacing and distribution	<i>Data spacing for reporting of Exploration Results.</i>	The nominal drillhole spacing is 50m (northing) by 100m (easting) in the core of the deposit.
	<i>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.</i>	The mineralised domains for Nebo have demonstrated sufficient continuity in both geological and grade continuity to support the definition of Mineral Resources and Reserves, and the classifications applied under the 2012 JORC Code.

Criteria	JORC Code explanation	Commentary
	<i>Whether sample compositing has been applied.</i>	Samples have been composited to one metre lengths.
Orientation of data in relation to geological structure	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	The Nebo deposit is drilled towards grid north at 60° to intersect the mineralised zones at a close to perpendicular relationship for the bulk of the deposit.
	<i>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.</i>	To date, mineralisation orientation has been favourable for perpendicular drilling and sample widths are not considered to have added a sampling bias.
Sample security	<i>The measures taken to ensure sample security.</i>	Sample chain of custody is managed by Cassini. Samples for Nebo are stored on site and delivered to Perth by recognised freight service and then to the assay laboratory by a Perth-based courier service. Whilst in storage the samples are kept in a locked yard. Tracking sheets tracks the progress of batches of samples.
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	A review of the sampling techniques and data was carried out by CSA Global during September 2014. The sampling techniques and data were considered to be of sufficient quality to carry our resource estimation.

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	<i>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.</i>	Nebo is located wholly within Mining Lease M69/0074. Cassini entered into an agreement to acquire 100% of the leases comprising the West Musgrave Project (M69/0072, M69/0073, M69/0074, M69/0075, E69/1505, E69/1530, E69/2201, E69/2069, E69/2070, E69/2313, E69/2338), over which the previous operator retains a 2% NSR. The tenement sits within Crown Reserve 17614.
	<i>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.</i>	All tenements are in good standing and have existing Aboriginal Heritage Access Agreements in place. No mining Agreement has been negotiated.
Exploration done by other parties	<i>Acknowledgment and appraisal of exploration by other parties.</i>	Previous exploration has been conducted by BHP Billiton and WMC. The work completed by BHP Billiton and WMC is considered by Cassini to be of a high standard.
Geology	<i>Deposit type, geological setting and style of mineralisation.</i>	The project lies within the West Musgrave Province of Western Australia, which is part of an extensive Mesoproterozoic orogenic belt. The Nebo-Babel and Succoth deposits lie within mafic intrusions of the Giles Complex (1068Ma) that has intruded into amphibolite facies orthogneiss country rock. Mineralisation is hosted within tubular chonolithic gabbro-norite bodies and are expressed primarily as a Type 2 deposit with broad zones of disseminated sulphide and comagmatic or potentially remobilised accumulations of more rich, matrix to massive sulphides.
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> <ul style="list-style-type: none"> • 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 	Refer to the body of this report for significant intercepts pertaining to this announcement.

Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> 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>	Not applicable, all information is included.
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>	Weighted averages for the Nebo deposit were calculated using parameters of a 0.4% Ni and/or Cu lower cut-off, minimum reporting length of 2m, maximum length of consecutive internal waste of 2m and the minimum grade of the final composite of 0.4% Ni and/or Cu.
	<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>	Short lengths of high grade results use a nominal 1% Ni and/or Cu lower cut-off, no minimum reporting length and 2m maximum internal dilution.
	<i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i>	Metal equivalent values are not currently being reported.
Relationship between mineralisation widths and intercept lengths	<i>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').</i>	Mineralisation at Nebo-Babel is a flat-lying, south-westerly plunging body of variably mineralised mafic rock. Mineralisation is generally intersected with true-width down-hole lengths. Refer to Annexure 1 and Figures in body of text.
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>	Refer to Figures in body of text.
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 Ni, Cu and Co results are reported.
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>	All relevant exploration data is shown on figures, in text and Annexure 1.
Further work	<p><i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></p> <p><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></p>	<p>Cassini aims to test the continuity of known higher grade zones of mineralisation at Nebo-Babel and near-surface mineralised positions of other prospects including Succoth with aim to define a JORC compliant Indicated Resource.</p> <p>All relevant diagrams and inferences have been illustrated in this report.</p>