Promising New Porphyry Copper-Gold Discovery in NSW

Highlights

- First pass fieldwork at Emmerson's 100%-owned Fifield, Sebastopol, Temora, Kiola and Wellington projects in NSW complete
- Whatling Hill copper-gold prospect at Fifield exhibits the hallmarks of an early stage porphyry copper-gold discovery as follows:
    - Highly anomalous rock chip samples up to **0.25g/t gold and 2% copper**
    - Outcrops of intrusive inferred to be of similar age and character to other world-class deposits in the belt (Cadia-Ridgeway and North Parkes)
    - Pervasive, widespread alteration of epidote-chlorite and quartz-magnetite veins
    - Current auger drilling program returning visible chalcopyrite and extensive alteration
- Rockchip samples up to **27.8g/t gold** at Sebastopol
- Rockchip samples up to **19.6% copper and 0.36g/t gold** at Kiola
- Auger drilling at Whatling Hill and fieldwork across other NSW projects underway

Emmerson's Managing Director; Mr Rob Bills commented: *"The Whatling Hill discovery is further testament to the effectiveness of the science-based, systematic exploration that Emmerson is conducting across its project areas in NSW. A discovery across any of these projects has the potential to be transformational for the Company – particularly given the paucity of new copper-gold projects and the competition for new resources from the other major players in the field such as Newcrest Mining, Fortescue, Evolution Mining, China Molybdenum, Regis Resources, Sandfire and Aurelia Metals.*

"Whilst Whatling Hill is still at an early stage, it features all the hallmarks of a promising gold-rich porphyry copper system. The strength of these early results has lead to an accelerated exploration program with the mobilisation of an auger rig to ascertain the extent of copper and gold anomalism ahead of deeper drilling. Local farmer, John Whatling, after who Emmerson have named the project, commented: "This is the first time in my lifetime here that any company has undertaken systematic exploration on my property and sampled any of these outcrops."

"Emmerson's proprietary approach to targeting or predicting where the next big discovery will be in NSW is beginning to pay dividends. The calibre of our projects at Fifield, Kadungle, and Wellington are a testament to this innovative approach which provides a clear focus for ground-based activities."

Fifield Project

Emmerson is pleased to announce highly encouraging, early-stage results at the Whatling Hill prospect within the 100% owned Fifield project in NSW (Figure 1). This area falls within a regionally significant metallogenic province, bounded by the Lachlan Transfer Zone (LTZ) and the Ordovician age, Macquarie Arc. This province also hosts a number of emerging platinum, cobalt, gold and copper projects (Figure 2).

Whatling Hill consists of a discrete magnetic anomaly bounded by WNW trending faults with minimal surface expression. The discovery was a result of purposeful exploration driven by a proprietary targeting model developed by Emmerson and its strategic alliance partner Kenex Ltd. The results to date consist of rockchip samples across an area of ~1km^2 (which is the extent of outcrop/float and may not reflect the size/extent of the underlying mineralisation).

The rockchip values are elevated in gold (up to 0.25g/t) and copper (up to 2%), mainly from sheeted quartz-magnetite veins locally hosted in monzonite intrusions. There has been no historical drilling or soil sampling in the area. The alteration assemblage of epidote, chlorite with quartz, magnetite, chalcopyrite and malachite veins indicate proximity to a porphyry gold-copper system, but within the outer “green rock” halo. Further field work is currently underway, complimented by the latest scientific analysis as part of the University of Tasmania, ARC Linkage project. This analysis is aimed at identifying metallogenic fertile systems and providing vectors to the central part of the mineralisation (Figure 3).

Given the promising results, Emmerson has accelerated exploration at Whatling Hill where an auger rig is currently completing a large geochemical program to acurately define the underlying mineralisation and guide future drilling.

Wellington Project

The Wellington project was targeted utilising similar methodologies as Emmerson’s other NSW projects and sits along strike from Newcrest Mining’s world-class Cadia–Ridgeway gold-copper deposit.

Auger soil sampling across the Ponto prospect (the northernmost area) has revealed moderate copper anomalism, corresponding to outcrops/float of copper altered intrusives (Figure 4). The most consistent geochemical result came from Ponto East, with a 500m^2 area of +200ppm copper and combined gold-copper-molybednum anomalism. A new area was identified in the far north (New Anomaly) that has strong copper-gold anomalism associated with gabbro/diorite intrusive.

Further work is underway both in the field and at the University of Tasmania to better understand the significance of these results.

Other NSW projects

Field-based activities continue across Emmerson’s other NSW projects, with some of the more significant results coming from the Sebastopol gold project. These include up to 27.8g/t gold from rock chip samples within the Morning Star project. This cluster of historic workings is associated with a series of sub paralell quartz veins that contain gold, galena, chalcopyrite and pyrite hosted by the Wagga group turbidites.

Other results of significance come from our Kiola project where up to 19.6% copper and 0.36g/t gold has been reported from rock chips. Whilse the elevated copper is associated with surficial malachite veins, the entire 28km^2 "Kiola Geochemical Zone" is anomalous in copper and requires further work.

Note: Kenex Ltd can earn up to a 10% interest in these NSW tenements (excluding Kadungle) upon achieving certain predetermined milestones.

For further information, please contact:

Rob Bills
Managing Director and CEO
E: rbills@emmersonresources.com.au
T: +61 8 9381 7838

Media enquiries
Michael Vaughan, Fivemark Partners
E: michael.vaughan@fivemark.com.au
T: +61 422 602 720

About Tennant Creek and Emmerson Resources

Emmerson recently commenced exploration on new gold-copper projects in NSW, identified (with our strategic alliance partner Kenex Limited) from the application of 2D and 3D predictive targeting models – aimed at increasing the probability of discovery. The highly prospective Macquarie Arc in NSW hosts >80Mozs gold and >13Mt copper with these resources heavily weighted to areas of outcrop or limited cover. Emmerson's five exploration projects contain many attributes of the known deposits within the Macquarie Arc but remain under explored due to historical impediments, including an overlying cover (plus farmlands) and a lack of exploration focus. Kadungle is a JV with Aurelia Metals covering 43km^2 adjacent to Emmerson's Fifield project.

In addition,Emmerson is exploring the Tennant Creek Mineral Field (TCMF), one of Australia's highest-grade gold and copper fields producing over 5.5 Mozs of gold and 470,000 tonnes of copper from deposits including Warrego, White Devil, Orlando, Gecko, Chariot and Golden Forty. These high-grade deposits are highly valuable exploration targets, and to date discoveries include high-grade gold at Edna Beryl and Mauretania, plus copper-gold at Goanna and Monitor. These are the first discoveries in the TCMF for over a decade.

Emmerson announced the first gold pour from the high-grade Edna Beryl gold mine in December 2017. This mine is being operated under a Tribute Agreement with a specialist small miner, the Edna Beryl Mining Company

Emmerson recently announced a strategic alliance with Territory resources to build a central processing hub in Tennant Creek to support the milling and processing from Emmerson's small gold mines and other third party feed. This alliance will also extend to an earn-in and JV with Territory Resources over Emmerson's southern tenements.

Emmerson is led by a board and management group of experienced Australian mining executives including former MIM and WMC mining executive Andrew McIlwain as non-executive chairman, and former senior BHP Billiton and WMC executive Rob Bills as Managing Director and CEO.

Competency Statement

The information in this report which relates to NSW Projects Exploration Results is based on information compiled by Dr Ana Liza Cuison, MAIG, MSEG. Dr Cuison is a Member of the Australian Institute of Geoscientists and has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which she is undertaking to qualify as a Competent Person as defined in the 2004 edition and the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Cuison is a full-time employee of the Company and consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

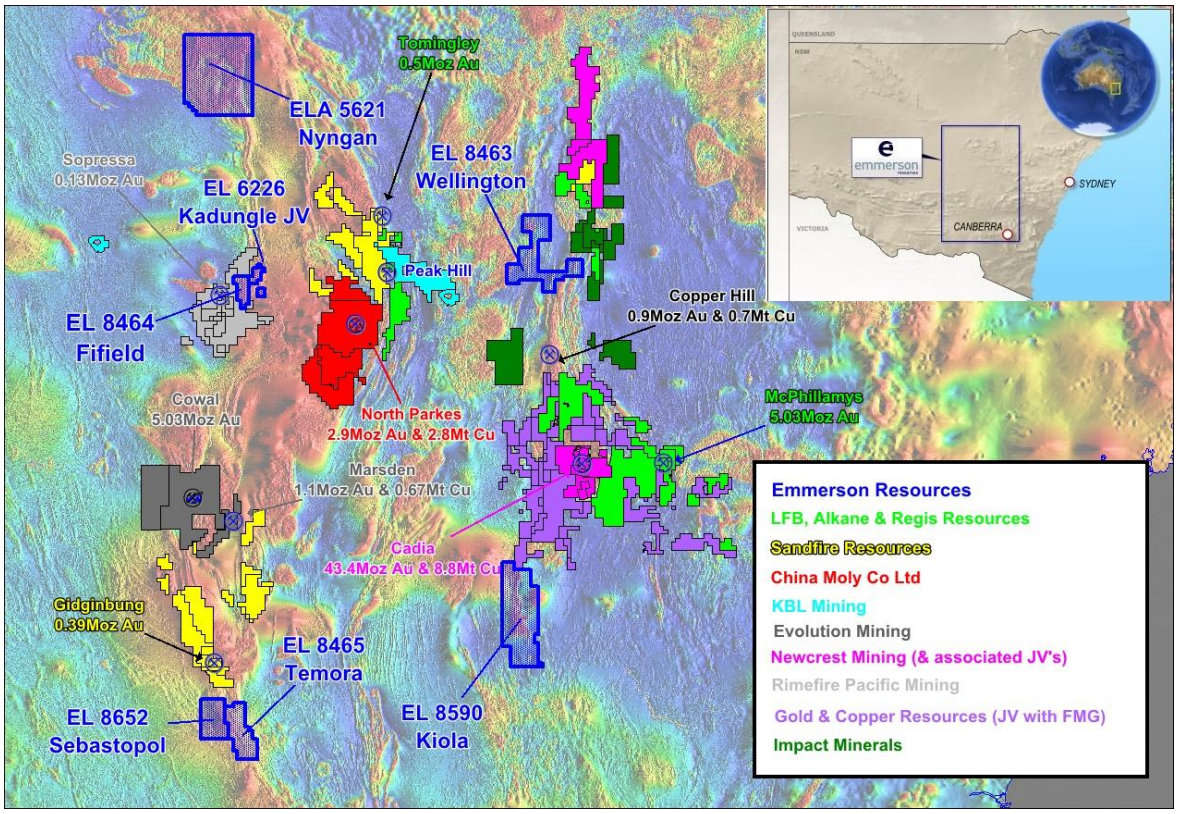

Figure 1. Location of Emmerson's NSW Projects (blue outline). The background is the regional magnetic image, with red indicating the various segments of the Macquarie Arc.

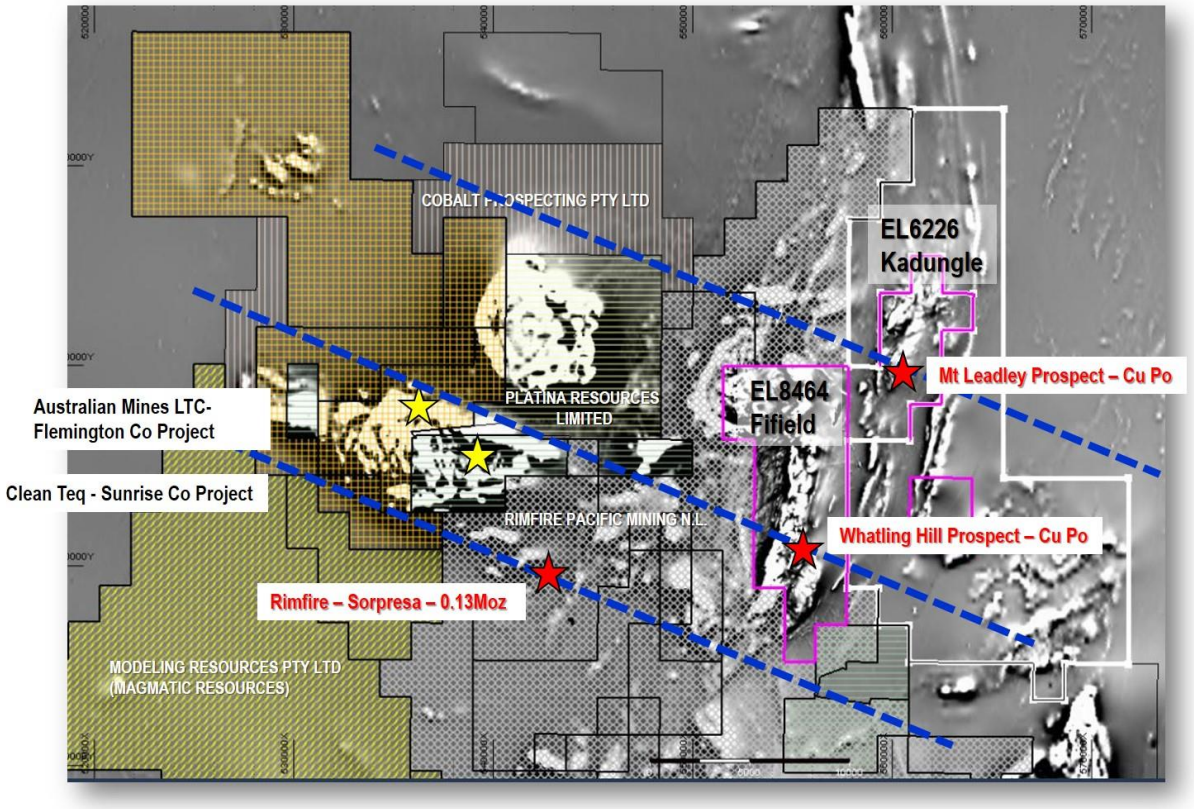

Figure 2. Whatling Hill Project within the Emmerson Fifield tenement (purple) & WNW trending lineaments of the Lachlan Transfer Zone (blue dashed lines)

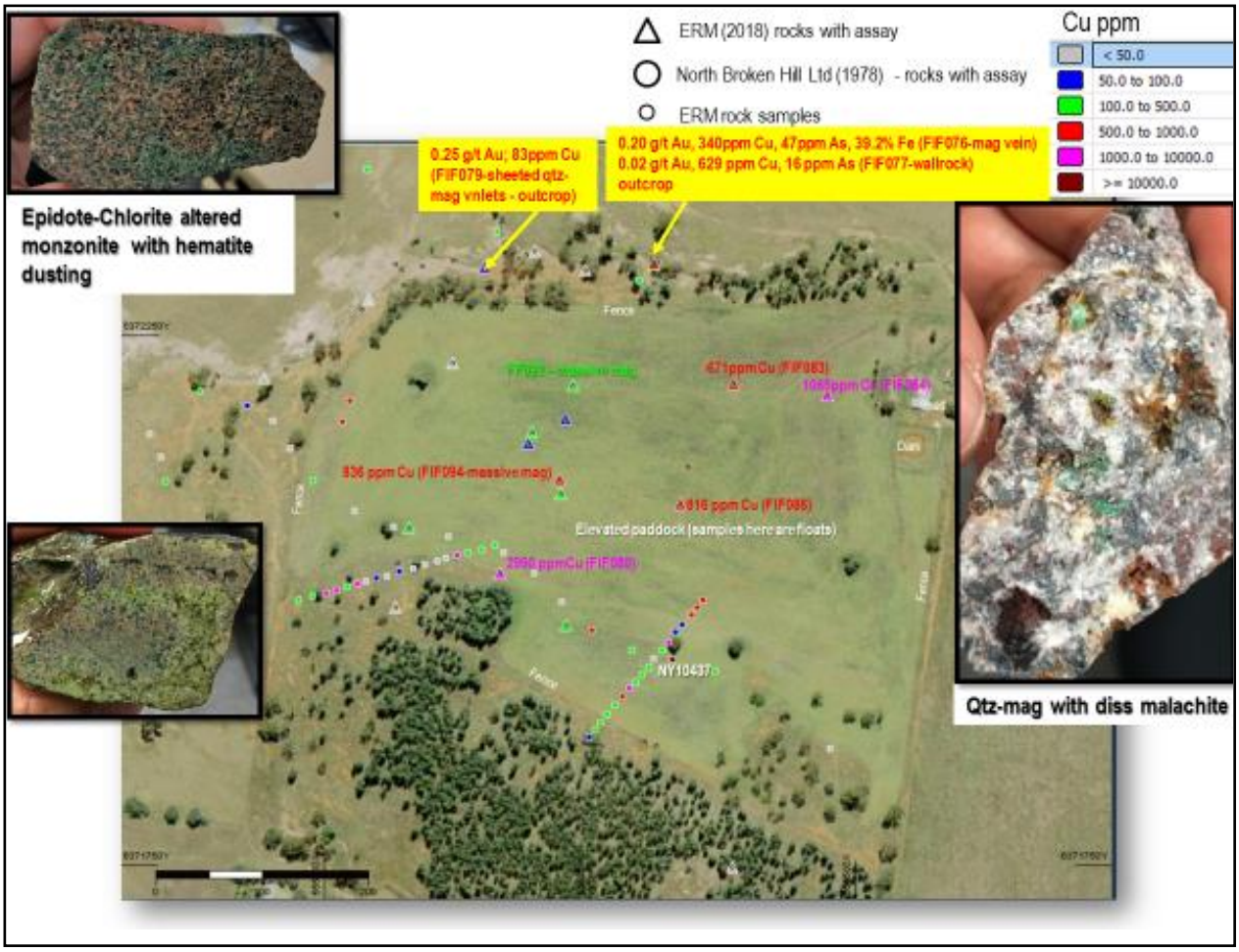

Figure 3. Whatling Hill Project showing highly elevated copper (up to 2%) and gold (up to 0.25g/t) rock chip samples with the only previous line of sampling by North Broken Hill Ltd – yet highly anomalous alteration and mineralisation from sporadic outcrop. Note these rockchip samples may not reflect the underlying size/extent of the mineralisation.

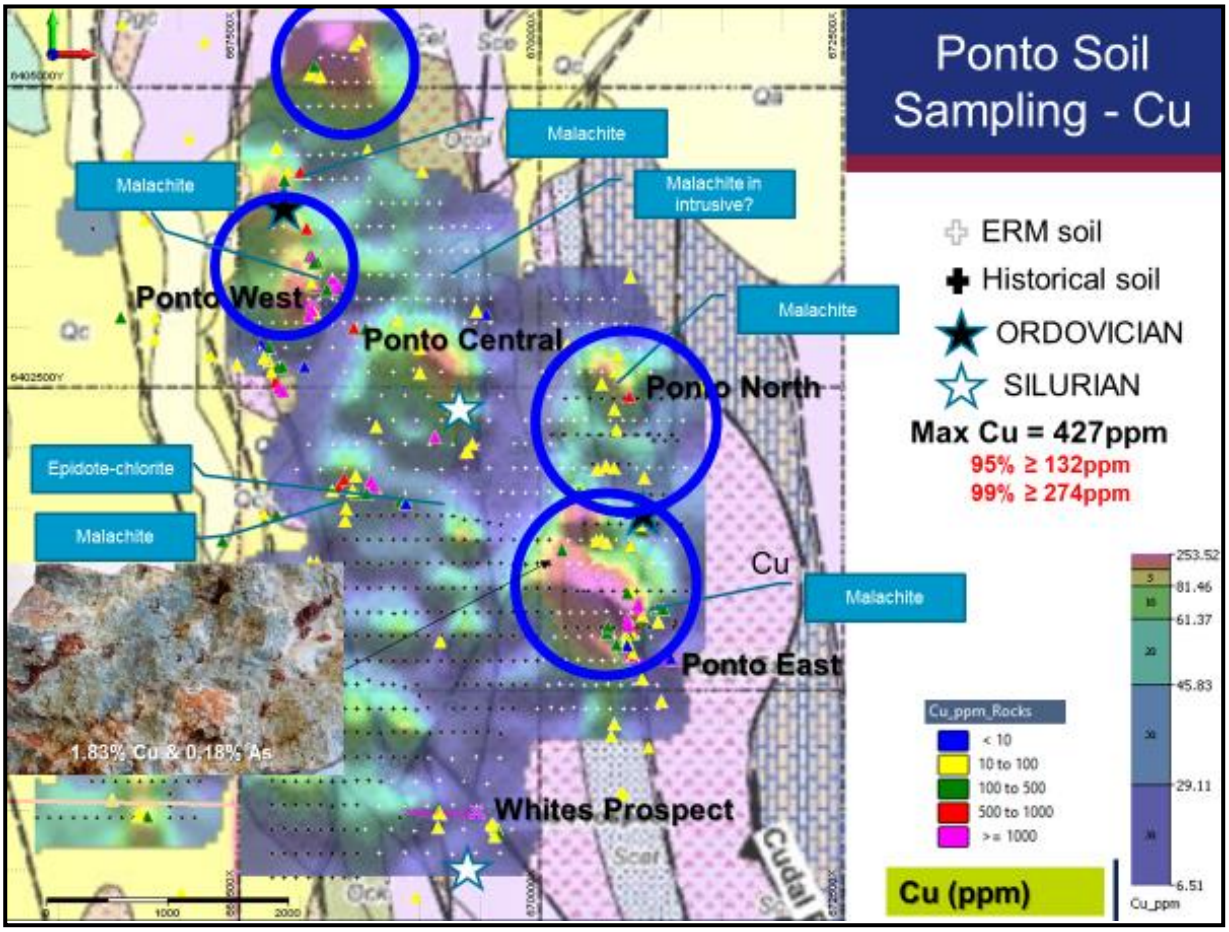

Figure 4. The Ponto Prospect (within our larger Wellington Project) soil geochemistry (Cu), highlighting a number of areas for future follow up. Note the rock chip sample of 1.8% copper.

Table 1. Selected significant rock chip sample results from Whatling Hill prospect.

Sample ID	Sample Type	MGA94 55 Easting	MGA94 55 Northing	Au ppm	As ppm	Ba ppm	Bi ppm	Cu ppm	Cu %	Fe %	Mn ppm	Mo ppm	Pb ppm	Sr ppm	V ppm	Zn ppm	Description
FIF076	OUTCROP	555309.7	6372317.0	0.20	47	1270	21	340	0.03	39.2	751	4	17	390	625	45	Magnetite-quartz vein cutting weathered Monzonite?
FIF077	OUTCROP	555310.0	6372317.5	0.02	16	2860	5	629	0.06	7.91	1290	<1	16	338	286	150	Wallrock of magnetite-quartz vein
FIF079	OUTCROP	555150.8	6372313.6	0.25	<5	5430	15	83	0.01	5.32	788	1	17	503	228	105	Sheeted quartz-magnetite veinlets
FIF080	FLOAT	555165.0	6372025.2	0.04	5	6700	3	2990	0.30	12.25	186	2	469	72	184	4	Quartz-magnetite vein with disseminated malachite
FIF082	FLOAT	555079.0	6372067.8	0.01	7	390	<2	169	0.02	12.3	197	1	65	20	95	20	Quartz-hematite-magnetite vein
FIF083	FLOAT	555385.2	6372204.1	0.01	11	140	2	671	0.07	2.56	241	<1	<2	14	59	16	Quartz stockworks with malachite specks
FIF084	FLOAT	555473.1	6372193.4	0.05	18	6880	10	1065	0.11	5.15	249	4	7	512	108	12	Quartz vein with malachite blebs
FIF086	FLOAT	555335.2	6372090.8	0.07	21	>10000	11	816	0.08	8.1	340	8	11	559	140	14	Quartz-magnetite vein; breccia
FIF088	FLOAT	555227.2	6371976.1	0.01	<5	970	3	196	0.02	9.94	285	1	27	54	104	27	Quartz-hematite vein
FIF089	OUTCROP	554884.6	6371164.0	0.06	<5	>10000	<2	1905	0.19	3.57	493	<1	11	477	120	41	Quartz-hematite vein with malachite specks
FIF093	FLOAT	555222.4	6372100.2	0.01	9	520	7	364	0.04	6.87	637	1	357	722	113	10	Quartz vein
FIF094	FLOAT	555221.3	6372113.4	0.05	28	8520	<2	836	0.08	6.1	1125	<1	52	2580	82	16	Quartz vein

Table 2. Wellington Project - Ponto Corridor Power Auger details, collar, and geochemical results.

Sample ID	Sample Type	Assay Method	MGA94_ 55 Easting	MGA94_55 Northing	Depth (cm)	Au ppm	Ag ppm	As ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Pb ppm	Zr ppm
NSW70001	Power Auger	METL43	668170	6405231	15	0.004	0.06	12.8	185	4.81	1380	0.46	8.2	3.9
NSW70002	Power Auger	METL43	668275	6405250	20	0.006	0.1	4.8	272	4.7	1100	0.3	5	3.2
NSW70003	Power Auger	METL43	668365	6405233	16	0.006	0.06	5	254	5.85	1240	0.3	4.7	3.5
NSW70004	Power Auger	METL43	668464	6405227	13	0.003	0.07	7.4	161.5	4.26	1520	0.29	6.5	2.8
NSW70005	Power Auger	METL43	668572	6405229	18	0.002	0.09	5.7	114	3.29	2490	0.32	8	3
NSW70006	Power Auger	METL43	668673	6405238	11	0.001	0.05	17.5	42.5	2.88	2740	0.62	9.9	2.4
NSW70007	Power Auger	METL43	668672	6405033	12	0.001	0.05	6	67.6	3.08	924	0.38	8.3	2.4
NSW70008	Power Auger	METL43	668570	6405034	20	0.002	0.06	5.6	104	3.91	1040	0.35	7.5	3.2
NSW70009	Power Auger	METL43	668476	6405029	22	0.002	0.07	4.7	159	4.46	1320	0.37	7.5	2.9
NSW70010	Power Auger	METL43	668375	6405027	40	0.003	0.06	4.4	160	4.89	985	0.28	6.3	2.8
NSW70011	Power Auger	METL43	668272	6405030	14	0.003	0.07	4.9	158.5	4.76	1320	0.39	7.1	3
NSW70012	Power Auger	METL43	668173	6405032	22	0.002	0.03	7.9	89.4	3.98	961	0.31	6.6	3.1
NSW70013	Power Auger	METL43	668072	6404828	17	0.001	0.04	5.7	55.6	3.93	1240	0.41	8.2	3.5
NSW70014	Power Auger	METL43	668167	6404834	18	0.002	0.02	4.7	61.9	3.72	463	0.28	7.1	3.5
NSW70015	Power Auger	METL43	668266	6404839	32	0.001	0.04	4.6	76.2	5.34	885	0.32	5.9	5.1
NSW70016	Power Auger	METL43	668368	6404830	24	0.002	0.03	4.3	95.6	4.39	639	0.27	6.7	3.8
NSW70017	Power Auger	METL43	668469	6404840	25	0.001	0.03	3.5	87.7	3.88	1100	0.29	6.8	2.4
NSW70018	Power Auger	METL43	667975	6404831	16	0.001	0.05	4.6	70.5	3.27	1450	0.48	7.7	2.4
NSW70019	Power Auger	METL43	667870	6404836	23	0.001	0.08	6.7	71.2	3.75	788	0.44	9.1	3
NSW70020	Power Auger	METL43	667867	6404623	20	0.019	0.04	4	54.2	3.88	810	0.26	8.2	4.9
NSW70021	Power Auger	METL43	667970	6404632	35	0.005	0.05	2.4	44.4	3.18	628	0.15	6.4	2.5
NSW70022	Power Auger	METL43	668069	6404631	40	0.001	0.03	1.7	40.6	2.96	737	0.18	6.1	2.9
NSW70023	Power Auger	METL43	668173	6404630	43	0.001	0.03	3.1	60.1	3.52	713	0.21	6.2	4.1
NSW70024	Power Auger	METL43	668268	6404632	41	0.013	0.04	3.8	61.8	4.36	852	0.24	7.3	4.2
NSW70026	Power Auger	METL43	668272	6404434	37	0.001	0.05	3	51.7	4.01	1010	0.25	8.5	4.4
NSW70027	Power Auger	METL43	668175	6404431	45	0.015	0.03	2.9	54.6	4.61	1050	0.38	7.8	4.2

Sample ID	Sample Type	Assay Method	MGA94_55 Easting	MGA94_55 Northing	Depth (cm)	Au ppm	Ag ppm	As ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Pb ppm	Zr ppm
NSW70028	Power Auger	METL43	668078	6404429	26	0.001	0.03	3.4	54.7	4.75	905	0.31	5.5	5.7
NSW70029	Power Auger	METL43	667973	6404431	22	0.002	0.03	3.8	37.4	3.51	663	0.15	6.2	4.2
NSW70030	Power Auger	METL43	667874	6404430	31	0.002	0.03	4.4	38.7	3.97	654	0.23	6.4	3.8
NSW70031	Power Auger	METL43	667777	6404430	35	0.002	0.05	5.2	50	3.75	958	0.19	6	3.6
NSW70032	Power Auger	METL43	668173	6404235	25	0.002	0.11	3.9	28.8	3.47	617	0.2	7.9	3.4
NSW70034	Power Auger	METL43	668575	6404834	26	0.002	0.07	4.5	99.5	4.37	897	0.36	8.3	4.4
NSW70035	Power Auger	METL43	668570	6404632	16	0.001	0.05	3.9	66.4	4.04	1340	0.44	9	3.1
NSW70036	Power Auger	METL43	668475	6404627	25	0.001	0.06	3.8	60.2	4.14	1280	0.5	8.9	2.8
NSW70037	Power Auger	METL43	668376	6404632	27	0.001	0.04	4.6	70.4	4.94	1000	0.38	7.8	3.7
NSW70038	Power Auger	METL43	668370	6404432	40	0.001	0.09	3.9	50.1	3.67	886	0.26	8.4	5.5
NSW70039	Power Auger	METL43	668467	6404437	36	0.001	0.05	4.1	45.5	3.33	708	0.21	8.1	4.2
NSW70040	Power Auger	METL43	668579	6404432	31	0.001	0.05	4.3	39.7	2.94	744	0.16	7.7	3.9
NSW70041	Power Auger	METL43	668580	6404237	35	0.002	0.07	4.6	51.6	3.54	1040	0.24	5.8	2.9
NSW70042	Power Auger	METL43	668477	6404231	29	0.001	0.05	4.6	31.2	3.95	586	0.27	7.1	3.2
NSW70043	Power Auger	METL43	668376	6404233	30	0.002	0.06	4.8	34.1	3.41	712	0.18	7.7	4.5
NSW70044	Power Auger	METL43	668270	6404227	70	0.002	0.04	4.6	28.8	3.06	728	0.19	6.5	3.3
NSW70045	Power Auger	METL43	668071	6404222	38	0.001	0.02	3.5	24.1	3.32	1080	0.21	5.6	3.4
NSW70046	Power Auger	METL43	667965	6404234	23	0.001	0.01	6.6	32.5	3.9	596	0.22	4.6	3.2
NSW70047	Power Auger	METL43	667872	6404231	32	0.003	0.03	4.8	131	5.61	916	0.28	3.9	3.4
NSW70048	Power Auger	METL43	668076	6404032	45	0.001	0.01	7.8	12.8	4.2	698	0.16	4.5	2.9
NSW70049	Power Auger	METL43	667977	6404030	10	0.001	0.02	10.2	34.5	4.09	708	0.26	5.3	3.1
NSW70051	Power Auger	METL43	667878	6404023	20	0.002	0.04	8	125	6.17	953	0.19	5.9	11.8
NSW70052	Power Auger	METL43	667774	6403828	74	0.003	0.02	10.6	86.9	5.81	683	0.26	6.4	5.3
NSW70053	Power Auger	METL43	667864	6403831	40	0.003	0.03	10.7	98.1	5.63	923	0.3	5	4.1
NSW70054	Power Auger	METL43	667972	6403835	42	0.002	0.05	7.2	122	6.33	1360	0.22	5.8	7.5
NSW70055	Power Auger	METL43	668071	6403830	10	0.002	0.04	15.9	83.1	5.36	1140	0.34	5.2	3.5
NSW70056	Power Auger	METL43	668072	6403627	25	0.002	0.03	6.2	66.6	6.18	1080	0.24	5.8	3.5
NSW70057	Power Auger	METL43	667971	6403635	25	0.002	0.02	4.4	86.1	5.56	1020	0.2	3.1	3
NSW70058	Power Auger	METL43	667875	6403629	28	0.003	0.01	6.8	121.5	6.5	1070	0.27	3.5	3.8
NSW70059	Power Auger	METL43	667771	6403629	25	0.002	0.02	5.6	71.4	5.79	1190	0.27	4.6	2.8
NSW70060	Power Auger	METL43	667767	6403435	20	0.002	0.02	4.6	62	4.72	1000	0.3	4.1	2
NSW70061	Power Auger	METL43	667873	6403434	17	0.004	0.04	7.8	98.5	5.95	1270	0.32	4.5	2.8
NSW70062	Power Auger	METL43	667976	6403434	21	0.003	0.02	8.7	143.5	6.18	988	0.22	2.6	3.5
NSW70063	Power Auger	METL43	667978	6403237	19	0.002	0.02	5.2	142.5	6.08	1320	0.33	3.1	3.7
NSW70064	Power Auger	METL43	667875	6403231	17	0.002	0.02	4.1	97	5.4	1440	0.4	3.9	2.3
NSW70065	Power Auger	METL43	667771	6403233	27	0.001	0.02	4.9	80.4	4.95	1260	0.33	4.3	3.4
NSW70067	Power Auger	METL43	667673	6403226	25	0.001	0.02	4	63.3	4.17	1300	0.39	10.3	2.9
NSW70068	Power Auger	METL43	667666	6403035	10	0.001	0.03	4.2	57.3	4.59	940	0.42	5.1	1.4
NSW70069	Power Auger	METL43	667771	6403035	25	0.001	0.04	3.8	63	4.46	1120	0.36	5	2.1
NSW70070	Power Auger	METL43	667879	6403041	21	0.001	0.03	4.4	77.5	4.2	983	0.22	4.1	2.6
NSW70071	Power Auger	METL43	667967	6403033	41	0.002	0.08	6.4	223	5.82	769	0.3	5.1	5.4
NSW70072	Power Auger	METL43	668171	6404034	36	0.001	0.02	4.9	31.3	4.85	1010	0.28	5.1	3
NSW70073	Power Auger	METL43	668271	6404037	45	0.002	0.02	6.1	39.2	3.99	888	0.27	6.2	3.3
NSW70074	Power Auger	METL43	668365	6404040	48	0.002	0.04	5	36.7	4.06	715	0.18	7.3	4.4
NSW70076	Power Auger	METL43	668473	6404041	15	0.001	0.11	4.1	50.1	4.5	947	0.3	6.3	2.6
NSW70077	Power Auger	METL43	668370	6403833	26	0.001	0.07	4.8	71.2	5.09	1010	0.24	5.7	3.3
NSW70078	Power Auger	METL43	668269	6403830	30	0.001	0.03	4.3	44.1	4.22	899	0.28	6	2.8
NSW70079	Power Auger	METL43	668172	6403826	27	0.001	0.03	6.4	45.4	5.53	844	0.27	5.6	4.2
NSW70080	Power Auger	METL43	668169	6403630	37	0.001	0.02	9.3	46	4.7	632	0.19	5.1	3.2
NSW70081	Power Auger	METL43	668272	6403631	25	0.002	0.03	6.3	77.8	5.15	1130	0.25	4.9	3.8
NSW70082	Power Auger	METL43	668268	6403427	20	0.002	0.03	7.1	109	5.82	1100	0.35	4.3	4.1
NSW70083	Power Auger	METL43	668172	6403431	24	0.001	0.01	3.2	13.2	5.03	604	0.19	4.9	1.6
NSW70084	Power Auger	METL43	668059	6403431	20	0.003	0.02	11.2	150.5	5.7	892	0.31	3	3.4
NSW70085	Power Auger	METL43	668071	6403229	21	0.003	0.03	5.1	187	6.63	598	0.21	3.3	3.3
NSW70086	Power Auger	METL43	668167	6403232	17	0.002	0.01	7.9	18.7	3.26	700	0.21	4.3	3.9
NSW70087	Power Auger	METL43	668266	6403233	20	<0.001	0.01	3.8	18.8	3.9	696	0.33	4.1	2.1
NSW70088	Power Auger	METL43	668071	6403042	41	0.003	0.03	8	32.1	6.1	1060	0.87	5.7	20.5
NSW70089	Power Auger	METL43	668157	6403035	29	0.001	0.02	2.4	13.9	3.93	655	0.2	4.1	2.3
NSW70090	Power Auger	METL43	668269	6403027	40	0.002	0.01	3.2	14.1	7.73	996	0.34	4.9	4
NSW70091	Power Auger	METL43	668371	6403034	41	0.001	0.01	4.5	14.2	5.15	939	0.28	4.9	3.4
NSW70092	Power Auger	METL43	668472	6403031	30	0.001	0.01	2.9	13.2	4.75	1080	0.26	4.9	2
NSW70093	Power Auger	METL43	668572	6403228	35	0.001	0.01	5.5	26.2	6.48	789	0.28	5.5	4.5
NSW70094	Power Auger	METL43	668473	6403237	39	0.001	0.02	5.2	34.6	5.68	1030	0.27	4.9	2.9
NSW70095	Power Auger	METL43	668376	6403234	33	0.001	0.01	5.6	9.9	3.55	625	0.17	2.8	2.4
NSW70096	Power Auger	METL43	668367	6403433	26	0.003	0.03	6	71.8	5.61	1050	0.3	5.3	3.3
NSW70097	Power Auger	METL43	668468	6403433	38	0.001	0.04	5.1	82.7	4.93	771	0.27	6.4	3.6
NSW70098	Power Auger	METL43	668573	6403435	34	0.001	0.04	6.6	79.1	5	940	0.22	5.6	5.3
NSW70104	Power Auger	METL43	668369	6403629	35	0.001	0.03	5.2	60.8	4.67	1260	0.33	6	4.5
NSW70107	Power Auger	METL43	668671	6403835	47	0.004	0.07	3.7	30.7	3.09	619	0.67	11.3	5.3

Sample ID	Sample Type	Assay Method	MGA94_55 Easting	MGA94_55 Northing	Depth (cm)	Au ppm	Ag ppm	As ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Pb ppm	Zr ppm
NSW70112	Power Auger	METL43	668566	6404035	30	0.001	0.07	3.9	54.6	4.24	924	0.24	6.1	3.3
NSW70113	Power Auger	METL43	668972	6404029	30	0.001	0.02	7	49.7	4.54	921	0.83	7.4	3
NSW70114	Power Auger	METL43	669067	6404026	25	0.001	0.02	3.8	34	4.23	627	0.3	4.1	1.7
NSW70115	Power Auger	METL43	669084	6403829	16	<0.001	0.02	6.6	32.2	3.81	1680	0.54	12.6	2.7
NSW70116	Power Auger	METL43	669164	6404028	27	0.001	0.03	6.6	29.7	4.04	1530	0.64	6.8	2.9
NSW70117	Power Auger	METL43	669174	6403830	17	0.001	0.04	4.9	29.2	4.02	1570	0.74	7	2.8
NSW70118	Power Auger	METL43	669272	6403832	26	<0.001	0.04	2.9	20.5	2.83	511	0.45	5.2	1.2
NSW70119	Power Auger	METL43	669369	6403832	40	<0.001	0.04	3.8	25.7	2.59	739	0.44	6.9	1.6
NSW70120	Power Auger	METL43	669471	6403830	25	<0.001	0.04	6.7	23.7	2.88	545	0.53	8.1	1.4
NSW70121	Power Auger	METL43	669569	6403826	46	<0.001	0.03	3.5	19.6	2.27	483	0.33	5.8	2.5
NSW70122	Power Auger	METL43	669569	6403632	24	<0.001	0.07	4.5	36.3	3.23	858	0.58	7.9	2.8
NSW70123	Power Auger	METL43	669476	6403632	20	0.001	0.05	3.3	38.6	3.03	668	0.45	6.9	1.5
NSW70124	Power Auger	METL43	669373	6403631	17	<0.001	0.09	3.5	39.7	3.13	776	0.51	6.5	1.2
NSW70126	Power Auger	METL43	669264	6403634	18	0.001	0.08	3.5	37.6	3.29	1480	0.43	7.2	2.7
NSW70127	Power Auger	METL43	669180	6403435	15	<0.001	0.04	3.5	38.5	2.9	906	0.7	6.5	3.3
NSW70128	Power Auger	METL43	669271	6403428	30	0.001	0.05	3.6	48.8	3.35	1020	0.44	6.9	3.1
NSW70129	Power Auger	METL43	669375	6403426	27	0.001	0.04	4.8	35.9	3.2	1000	0.28	8	3.6
NSW70131	Power Auger	METL43	669568	6403434	33	0.001	0.04	3.8	28.1	2.35	835	0.71	8.5	9.1
NSW70132	Power Auger	METL43	669576	6403237	37	0.001	0.04	8.6	24.9	2.66	1700	2	11.8	10.8
NSW70134	Power Auger	METL43	669476	6403237	10	0.001	0.03	6.9	40.3	3.05	1330	0.88	10.3	8.9
NSW70135	Power Auger	METL43	669378	6403231	28	<0.001	0.03	5.3	76.6	3.59	1420	0.58	6.3	4.2
NSW70136	Power Auger	METL43	669277	6403225	20	<0.001	0.04	5.5	22.9	3.32	1740	0.64	8.7	2.6
NSW70137	Power Auger	METL43	669178	6403227	26	<0.001	0.03	5	32.4	3.53	1460	0.62	7	2.6
NSW70138	Power Auger	METL43	669168	6403027	33	0.001	0.04	4.6	35.4	3.19	1050	0.43	7.7	5
NSW70139	Power Auger	METL43	669270	6403038	46	<0.001	0.01	7.4	35.2	4.2	1120	0.35	6.1	3.2
NSW70140	Power Auger	METL43	669367	6403038	23	<0.001	0.02	6.8	36.6	3.86	1230	0.78	6.2	3.9
NSW70141	Power Auger	METL43	669460	6403033	30	0.002	0.06	6.3	26.3	2.98	591	3.51	13.4	72.6
NSW70142	Power Auger	METL43	669579	6403033	25	<0.001	0.06	1.8	5.8	1.94	1330	3.59	14.1	19.3
NSW70143	Power Auger	METL43	669172	6403630	34	<0.001	0.03	5.2	32.6	4.42	646	0.58	7.2	2.8
NSW70144	Power Auger	METL43	669074	6403631	38	0.001	0.04	6.2	37.7	4.61	1360	0.57	6.7	4.8
NSW70145	Power Auger	METL43	668970	6403625	32	<0.001	0.01	4	42.3	4.33	954	0.6	3.7	2.1
NSW70146	Power Auger	METL43	668870	6403639	27	0.001	0.04	9.7	79.3	4.53	1510	0.55	7.1	3.8
NSW70147	Power Auger	METL43	668778	6403632	22	0.001	0.04	5.2	32.9	2.9	1150	0.36	7.7	4.9
NSW70149	Power Auger	METL43	668872	6403433	60	0.002	0.05	7	61.8	4.86	748	0.27	6.4	4.2
NSW70151	Power Auger	METL43	668970	6403434	55	0.001	0.05	5.5	34.6	4.33	733	0.28	6	2.9
NSW70152	Power Auger	METL43	669071	6403435	30	0.001	0.07	5.3	40	4.09	757	0.4	7.9	3.4
NSW70153	Power Auger	METL43	669070	6403232	43	0.001	0.05	5.9	50.9	4.59	576	0.4	8	4.5
NSW70154	Power Auger	METL43	668971	6403232	50	0.002	0.04	8.6	61.7	4.95	478	0.25	8.2	5.6
NSW70155	Power Auger	METL43	668869	6403229	46	0.001	0.03	8	41.7	4.88	660	0.59	8.4	3.9
NSW70156	Power Auger	METL43	668772	6403234	45	0.001	0.05	4.5	32.4	3.74	1210	0.2	7.5	6.3
NSW70157	Power Auger	METL43	668675	6403232	44	0.002	0.02	5.9	43.7	3.9	639	0.15	5.3	2.9
NSW70158	Power Auger	METL43	670212	6403233	25	0.001	0.04	5	27.6	2.86	1200	0.46	11.4	2.5
NSW70159	Power Auger	METL43	670308	6403232	25	0.001	0.04	6.4	29.9	3.05	1520	0.41	11.7	3.6
NSW70160	Power Auger	METL43	670408	6403234	20	0.001	0.03	8.7	31.4	3.36	1030	0.4	12.4	3.9
NSW70161	Power Auger	METL43	670508	6403235	20	<0.001	0.02	12.4	23.7	2.97	502	0.28	10.8	3.5
NSW70162	Power Auger	METL43	670611	6403233	33	0.001	0.02	6.9	25.3	3.13	659	0.24	14.7	3.7
NSW70163	Power Auger	METL43	670707	6403026	37	0.002	0.02	6.4	18.5	2.18	226	0.18	9.4	3.6
NSW70164	Power Auger	METL43	670614	6403032	20	0.001	0.03	5.8	23.3	2.91	1460	0.63	13.9	3.1
NSW70165	Power Auger	METL43	670511	6403030	35	0.001	0.04	6.2	28.7	3.1	867	0.51	12.6	4.6
NSW70167	Power Auger	METL43	670410	6403028	30	0.001	0.03	5	19.7	2.61	740	0.6	8.9	2.7
NSW70168	Power Auger	METL43	670315	6402832	34	0.001	0.05	3.4	42.5	3.32	1090	0.68	10.8	2.8
NSW70169	Power Auger	METL43	670411	6402829	30	0.002	0.06	5.5	36.6	4.96	1000	1.39	8.4	5.7
NSW70170	Power Auger	METL43	670509	6402830	28	0.001	0.02	4.7	16.7	2.33	775	0.43	7.7	1.8
NSW70171	Power Auger	METL43	670609	6402828	25	0.001	0.02	5.6	21	2.33	1060	0.5	7.9	2.1
NSW70172	Power Auger	METL43	670110	6403231	75	0.001	0.12	4	29.2	2.85	981	0.41	14.5	3
NSW70173	Power Auger	METL43	670109	6403030	22	<0.001	0.11	3.4	13	2.03	337	0.35	11.2	1.3
NSW70174	Power Auger	METL43	670211	6403032	24	0.001	0.08	2.9	30.7	2.91	1350	0.59	14.1	2.3
NSW70176	Power Auger	METL43	670311	6403037	19	0.001	0.05	3	26.1	2.97	999	0.6	11.3	2.8
NSW70177	Power Auger	METL43	670211	6402828	23	0.001	0.04	3.5	20.8	2.85	624	0.33	13.9	2.4
NSW70178	Power Auger	METL43	670112	6402832	26	0.001	0.1	3	16.2	2.22	863	0.33	13.8	1.7
NSW70179	Power Auger	METL43	670711	6402835	26	0.001	0.05	5.5	23.5	2.9	665	0.52	15.2	2.2
NSW70180	Power Auger	METL43	670813	6402829	30	<0.001	0.03	2.2	11.4	2.06	417	0.37	7.5	1.6
NSW70181	Power Auger	METL43	670911	6402633	19	0.003	0.04	3.1	67.1	4.93	762	0.73	7	3.7
NSW70182	Power Auger	METL43	670811	6402634	30	0.005	0.04	4.3	84.5	5.14	762	0.8	8.8	4.8
NSW70183	Power Auger	METL43	670711	6402627	30	0.004	0.03	3.5	75.3	4.72	1030	0.84	7.8	3.5
NSW70184	Power Auger	METL43	670611	6402633	25	0.002	0.02	25.8	35.7	4.03	529	1.42	6.1	3.9
NSW70185	Power Auger	METL43	670505	6402631	20	0.006	0.03	4.7	226	5.7	1150	2.15	7	4.7
NSW70186	Power Auger	METL43	670411	6402628	25	0.006	0.04	5.3	62.1	5.02	1060	1.76	8.1	5.8
NSW70187	Power Auger	METL43	670312	6402633	30	0.001	0.08	3.1	41.2	2.67	1700	0.56	21.5	2.4

Sample ID	Sample Type	Assay Method	MGA94_55 Easting	MGA94_55 Northing	Depth (cm)	Au ppm	Ag ppm	As ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Pb ppm	Zr ppm
NSW70188	Power Auger	METL43	670208	6402629	20	0.001	0.02	2.9	20.1	2.31	710	0.43	12.6	1.6
NSW70189	Power Auger	METL43	670117	6402633	29	0.001	0.03	2.5	16.4	1.99	732	0.33	12.9	1.1
NSW70190	Power Auger	METL43	670014	6402634	35	<0.001	0.02	1.7	8.3	1.34	288	0.26	8.9	1.1
NSW70191	Power Auger	METL43	669972	6402436	22	<0.001	0.06	2.2	13.9	1.86	870	0.29	12.4	1.4
NSW70192	Power Auger	METL43	670067	6402423	26	0.001	0.04	2.3	10.9	1.66	278	0.29	9.5	2.2
NSW70193	Power Auger	METL43	669871	6402231	44	<0.001	0.03	1.5	13.1	1.48	961	0.19	9.9	1
NSW70194	Power Auger	METL43	669969	6402233	37	<0.001	0.03	2.7	13.5	2.05	866	0.25	12.1	1.7
NSW70195	Power Auger	METL43	670071	6402231	41	<0.001	0.05	2.5	15.7	2.12	594	0.3	11.2	2.3
NSW70196	Power Auger	METL43	670172	6402234	30	0.003	0.17	3.4	76.1	4.25	2890	0.55	45.2	3.6
NSW70197	Power Auger	METL43	670269	6402229	35	0.002	0.22	3.2	55.4	3.53	2320	0.45	40.8	3.4
NSW70198	Power Auger	METL43	670373	6402236	42	0.003	0.11	4.8	58.2	4.1	1250	0.86	24.3	3.1
NSW70199	Power Auger	METL43	670575	6402231	38	0.003	0.06	4.1	50.6	4.43	1140	0.87	9.1	3.5
NSW70201	Power Auger	METL43	670676	6402229	38	0.002	0.07	3.4	35.9	3.37	829	0.7	11.2	2.2
NSW70202	Power Auger	METL43	670770	6402229	37	0.002	0.1	3.9	43	3.84	990	0.92	10.8	1.9
NSW70203	Power Auger	METL43	670871	6402227	20	0.002	0.05	4	40.5	3.93	974	0.71	9.8	1.9
NSW70204	Power Auger	METL43	669771	6402034	18	0.001	0.03	3.6	16.7	2.12	1200	0.35	13	1.8
NSW70205	Power Auger	METL43	669869	6402034	20	0.001	0.04	3.1	20.3	2.4	1610	0.44	14.2	2.2
NSW70206	Power Auger	METL43	669972	6402030	17	0.001	0.05	3.4	14.3	2.26	500	0.35	10.8	1.7
NSW70207	Power Auger	METL43	670077	6402035	34	<0.001	0.06	2.4	9.7	1.47	285	0.29	8	1.3
NSW70208	Power Auger	METL43	670360	6401835	20	0.001	0.07	2.9	26.5	2.24	1120	0.39	16.3	1.9
NSW70209	Power Auger	METL43	670271	6401831	20	0.001	0.28	3.8	79.3	4.07	2560	0.44	58.5	3.8
NSW70210	Power Auger	METL43	670170	6401830	19	0.001	0.21	3.6	70.4	3.61	2380	0.44	55.3	3.1
NSW70211	Power Auger	METL43	670066	6401825	39	0.001	0.05	2.3	13.7	1.67	507	0.28	10.7	1.6
NSW70212	Power Auger	METL43	669968	6401830	32	0.001	0.03	3.8	15.7	2.12	991	0.27	15.9	1.6
NSW70213	Power Auger	METL43	669873	6401833	40	<0.001	0.02	4.8	13.4	2.08	526	0.27	12.5	1.2
NSW70214	Power Auger	METL43	669773	6401830	25	<0.001	0.02	4.1	16.2	2.28	854	0.23	14.5	1
NSW70215	Power Auger	METL43	669766	6401631	20	0.001	0.02	17.4	17.1	2.96	395	0.27	16	2.1
NSW70216	Power Auger	METL43	669871	6401629	40	0.001	0.02	3.5	15	2.05	1140	0.26	13.6	1.7
NSW70217	Power Auger	METL43	669969	6401627	43	<0.001	0.01	1.7	5.8	1.16	218	0.2	6.1	0.8
NSW70218	Power Auger	METL43	670069	6401635	25	0.001	0.07	3.7	34.5	2.88	1280	0.42	13.5	2.9
NSW70219	Power Auger	METL43	670172	6401629	25	0.001	0.07	3.8	65.1	3.46	1820	0.34	21.3	2.5
NSW70220	Power Auger	METL43	670277	6401628	35	0.002	0.09	5	62.6	3.15	3110	0.49	50	3.8
NSW70221	Power Auger	METL43	670117	6401439	38	0.001	0.05	6	38.4	3.57	1060	0.38	7.6	2.5
NSW70222	Power Auger	METL43	670018	6401440	20	0.001	0.06	4.6	37.9	2.96	1780	0.42	10.5	3
NSW70223	Power Auger	METL43	669919	6401436	26	<0.001	0.02	2.7	12.1	2.11	600	0.26	10.4	1.4
NSW70224	Power Auger	METL43	669817	6401442	32	<0.001	0.02	2.8	13.6	2.31	731	0.25	11.5	1.1
NSW70226	Power Auger	METL43	669720	6401440	40	<0.001	0.01	9.9	18.2	3.32	823	0.25	16.1	1.5
NSW70227	Power Auger	METL43	670229	6401240	23	0.001	0.05	9.4	89.3	4.18	2710	0.39	7.4	3.3
NSW70228	Power Auger	METL43	670333	6401242	30	0.001	0.03	5	56.4	5	1540	0.71	6.2	1.7
NSW70229	Power Auger	METL43	670227	6401043	30	0.001	0.06	5.5	168.5	4.72	2180	0.26	6.4	3.5
NSW70230	Power Auger	METL43	670327	6401043	28	0.001	0.09	6.7	212	4.94	2350	0.29	7.4	5.1
NSW70231	Power Auger	METL43	670431	6401042	20	0.001	0.04	6.5	41	3.25	1260	0.31	6.5	3.7
NSW70232	Power Auger	METL43	670525	6401041	26	0.001	0.05	9.1	34.1	3.69	2660	0.5	8	3.8
NSW70234	Power Auger	METL43	670630	6401050	20	0.001	0.02	9.4	60.8	5.09	1300	0.39	5.7	2
NSW70235	Power Auger	METL43	670419	6401239	22	<0.001	0.05	8.1	55.9	5.1	1870	0.6	4.6	1.3
NSW70236	Power Auger	METL43	670538	6401233	30	0.001	0.06	7.9	44	3.72	1860	0.48	6	2.3
NSW70237	Power Auger	METL43	670627	6401240	22	0.003	0.26	4.8	127.5	5.53	3490	0.59	32.6	4
NSW70238	Power Auger	METL43	670731	6401238	36	0.001	0.06	3.1	21.8	4.14	1410	0.41	11.5	2.2
NSW70239	Power Auger	METL43	670724	6401042	35	0.001	0.1	7.9	69.4	4.94	1770	0.45	6.7	2.5
NSW70240	Power Auger	METL43	670750	6400635	27	0.004	0.16	21.8	305	6.36	1490	0.55	6.5	4.4
NSW70241	Power Auger	METL43	670664	6400639	25	0.002	0.13	5.1	427	6.74	1790	0.43	4.8	4.5
NSW70242	Power Auger	METL43	670148	6400640	22	0.001	0.06	9.5	164.5	4.94	1720	0.35	6.7	4.1
NSW70243	Power Auger	METL43	670248	6400637	20	0.002	0.06	9.3	114.5	4.94	1150	0.45	7.1	5.1
NSW70244	Power Auger	METL43	670341	6400638	17	0.001	0.07	5.7	132.5	4.28	2180	0.34	8	4.6
NSW70245	Power Auger	METL43	670449	6400638	27	0.003	0.08	8.6	165.5	5.47	1060	0.34	7.3	4.8
NSW70246	Power Auger	METL43	670517	6400435	17	0.001	0.06	5.7	153	3.74	1720	0.4	5.1	3
NSW70247	Power Auger	METL43	670420	6400438	20	0.002	0.05	9.7	123	5.15	1380	0.34	5.4	2.8
NSW70248	Power Auger	METL43	670314	6400432	17	0.001	0.04	6.2	157.5	5.29	1130	0.29	4.7	3.4
NSW70249	Power Auger	METL43	670213	6400430	15	0.001	0.05	8.5	86	3.89	1430	0.29	5.6	2.7
NSW70251	Power Auger	METL43	670114	6400431	20	0.001	0.08	7.3	55.9	4.38	871	0.41	7.4	4
NSW70252	Power Auger	METL43	670012	6400245	26	<0.001	0.03	5.9	17.5	2.06	1010	0.29	12.2	1.5
NSW70253	Power Auger	METL43	670116	6400244	23	0.001	0.06	7.3	73.2	4	1450	0.35	8.3	3.8
NSW70254	Power Auger	METL43	670210	6400249	46	0.002	0.07	8.3	81.1	4.3	638	0.5	9.4	5.2
NSW70255	Power Auger	METL43	670256	6400038	34	0.002	0.06	6.3	43	3.33	2670	0.49	14.9	3.8
NSW70256	Power Auger	METL43	670154	6400042	21	0.001	0.06	5.4	39.1	2.78	2130	0.43	12.2	2.6
NSW70257	Power Auger	METL43	670062	6400038	21	0.001	0.08	4.9	48.9	3.1	2090	0.36	10.6	2.8
NSW70258	Power Auger	METL43	669973	6399841	40	0.001	0.04	8.8	14.9	2.45	523	0.36	18.5	2.6
NSW70259	Power Auger	METL43	670087	6399844	22	<0.001	0.02	5.7	10.5	2.07	373	0.27	12.7	1.7
NSW70260	Power Auger	METL43	670173	6399840	26	<0.001	0.01	3.4	7.4	1.53	285	0.22	10.1	0.9

Sample ID	Sample Type	Assay Method	MGA94_55 Easting	MGA94_55 Northing	Depth (cm)	Au ppm	Ag ppm	As ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Pb ppm	Zr ppm
NSW70261	Power Auger	METL43	670275	6399848	42	<0.001	0.01	2.2	5.4	1.07	189	0.22	6.5	1
NSW70262	Power Auger	METL43	670371	6399838	37	0.001	0.06	18.3	37.3	2.8	2080	0.31	14.5	3
NSW70263	Power Auger	METL43	670470	6399841	27	0.001	0.07	10	73.8	4.02	895	0.45	9.5	4.4
NSW70264	Power Auger	METL43	670572	6399838	33	0.001	0.06	8.4	103.5	4.55	1930	0.37	8.7	5.2
NSW70265	Power Auger	METL43	670663	6400036	30	0.003	0.03	6.4	98.4	5.55	1550	0.33	7.7	2.5
NSW70267	Power Auger	METL43	670558	6400040	50	0.002	0.08	12.2	109.5	4.77	1090	0.37	8.8	5.2
NSW70268	Power Auger	METL43	670460	6400037	26	0.001	0.09	6.5	55.1	3.62	1210	0.43	9.3	3.2
NSW70269	Power Auger	METL43	670359	6400038	23	0.001	0.06	4	32.5	2.73	607	0.35	9.3	1.5
NSW70270	Power Auger	METL43	670306	6400245	25	0.002	0.13	8.9	82.9	4.31	1600	0.45	9.7	4.8
NSW70271	Power Auger	METL43	670411	6400239	27	0.001	0.11	9.1	89.5	4.02	1820	0.35	8.2	5.2
NSW70272	Power Auger	METL43	670509	6400237	28	0.002	0.06	10.3	164	4.69	2020	0.47	7.5	4.7
NSW70273	Power Auger	METL43	670609	6400239	28	0.002	0.04	7.6	110	5.42	1800	0.37	5.9	2.5
NSW70274	Power Auger	METL43	670711	6400236	34	0.003	0.05	11.9	46.6	4.98	1210	0.4	7.5	4.3
NSW70276	Power Auger	METL43	670810	6400240	35	<0.001	0.02	7.9	24.2	3.66	1390	0.25	16.8	1.7
NSW70277	Power Auger	METL43	670919	6400246	31	<0.001	0.01	3	16.6	2.77	884	0.15	12.4	1.4
NSW70278	Power Auger	METL43	671009	6400240	26	<0.001	0.02	4.3	35.2	3.35	948	0.23	22.7	6.2
NSW70279	Power Auger	METL43	670961	6400038	29	<0.001	0.02	6.7	19.1	2.82	656	0.16	13.3	1.6
NSW70280	Power Auger	METL43	670856	6400040	23	<0.001	0.02	7.5	10.7	2.1	769	0.17	20.8	1.1
NSW70281	Power Auger	METL43	670764	6400042	28	<0.001	0.03	7.7	23.2	2.3	600	0.41	48.9	1.9
NSW70282	Power Auger	METL43	670685	6399843	30	<0.001	0.03	14	16.7	2.65	380	0.73	30.9	1.9
NSW70283	Power Auger	METL43	670770	6399840	27	0.001	0.03	7.3	12.9	1.94	956	0.19	15.5	2.4
NSW70284	Power Auger	METL43	670871	6399840	32	<0.001	0.03	4.6	11.7	1.76	965	0.13	12.3	2.3
NSW70285	Power Auger	METL43	670974	6399839	29	<0.001	0.02	4.1	7.5	1.56	563	0.19	11.4	0.7
NSW70286	Power Auger	METL43	670548	6400644	25	0.001	0.07	5.1	184	5.37	1400	0.41	6	3.1
NSW70287	Power Auger	METL43	670612	6400437	22	0.002	0.02	14.4	79.6	5.4	954	0.32	5.1	2.5
NSW70288	Power Auger	METL43	670725	6400444	10	0.003	0.02	5.3	43	6.64	1190	0.37	9	4.9
NSW70289	Power Auger	METL43	670810	6400432	41	0.002	0.04	6.7	69.5	4.49	1420	0.92	14.6	2.7
NSW70290	Power Auger	METL43	670911	6400435	33	0.001	0.03	11	28.4	3.1	1230	0.82	31.4	2.2
NSW70291	Power Auger	METL43	670952	6400642	22	0.001	0.08	9.5	111	4.24	2290	0.76	11.9	3.8
NSW70292	Power Auger	METL43	670844	6400636	35	0.001	0.3	6.6	18.8	3.55	1470	2.27	16.3	5.2
NSW70293	Power Auger	METL43	670826	6401041	24	0.001	0.05	11.2	98.9	5.27	1750	1.36	6	2.7
NSW70294	Power Auger	METL43	670929	6401041	27	0.001	0.06	5.7	67.2	4.31	2170	0.38	6.2	3.1
NSW70295	Power Auger	METL43	671025	6401041	36	<0.001	0.05	4.6	39.8	3.08	2130	0.39	9	1.8
NSW70296	Power Auger	METL43	670795	6401830	23	0.001	0.05	7.4	47.8	5.93	1950	1.13	7.8	2.1
NSW70297	Power Auger	METL43	669662	6399434	23	0.001	0.04	5	12.5	2.28	328	0.41	10.2	1.9
NSW70298	Power Auger	METL43	669463	6399439	20	0.003	0.05	11.8	15.4	2.82	712	0.43	20.9	2.9
NSW70299	Power Auger	METL43	669263	6399425	15	0.001	0.05	8.7	22.5	2.16	2430	0.56	12.3	1.2
NSW70301	Power Auger	METL43	669064	6399433	20	0.001	0.04	8.2	18.6	2.56	1870	0.54	15.4	1.6
NSW70302	Power Auger	METL43	668757	6399233	20	0.001	0.04	6.5	29.7	2.18	1600	0.42	8.8	2.1
NSW70303	Power Auger	METL43	668957	6399240	15	0.001	0.04	9.4	23.1	2.97	2260	0.52	12.8	3.3
NSW70304	Power Auger	METL43	669157	6399242	20	0.003	0.04	13	17.9	2.78	1030	0.6	16.9	1.9
NSW70305	Power Auger	METL43	669359	6399238	45	0.003	0.09	21.9	15.8	2	368	0.6	10	<0.5
NSW70306	Power Auger	METL43	669554	6399219	29	0.004	0.07	13.3	14.2	1.71	1040	0.33	11.6	0.9
NSW70307	Power Auger	METL43	669663	6399033	44	<0.001	0.03	8.6	10.2	1.76	385	0.28	13.6	1.5
NSW70308	Power Auger	METL43	669754	6398842	44	0.003	0.91	33.5	23.8	2.98	1320	0.43	228	2.6
NSW70309	Power Auger	METL43	669656	6398641	40	<0.001	0.03	11.2	6	1.65	106	0.38	9.3	0.5
NSW70310	Power Auger	METL43	669528	6398435	38	0.001	0.05	3.8	7.4	1.5	604	0.33	9.1	1
NSW70311	Power Auger	METL43	669562	6398847	25	0.001	0.06	8.3	12.1	2.41	91	0.43	9	1.5
NSW70312	Power Auger	METL43	669465	6399030	28	<0.001	0.1	5.1	13	1.42	397	0.44	5.5	0.8
NSW70313	Power Auger	METL43	669458	6398640	45	0.001	0.1	12.8	11.3	1.56	149	0.56	7.8	<0.5
NSW70314	Power Auger	METL43	669261	6398638	25	0.003	0.09	11.6	23.1	2.39	1540	0.49	20.8	2.1
NSW70315	Power Auger	METL43	669316	6398468	38	0.001	0.06	6.7	7.9	0.98	54	0.6	6.4	0.5
NSW70316	Power Auger	METL43	669061	6398642	33	0.001	0.03	12.9	7.6	1.58	636	0.47	10.1	1.1
NSW70317	Power Auger	METL43	669155	6398836	28	0.001	0.05	24.3	12.2	1.12	375	0.42	8.3	<0.5
NSW70318	Power Auger	METL43	669266	6399038	35	0.002	0.07	21.2	16	1.5	293	0.76	12.8	<0.5
NSW70319	Power Auger	METL43	669358	6398841	29	<0.001	0.04	6.5	8.2	1.34	577	0.34	12.5	1.2
NSW70320	Power Auger	METL43	668576	6403027	28	0.002	0.02	7.1	28.9	5.3	704	0.35	5.9	4
NSW70321	Power Auger	METL43	668771	6403030	40	0.001	0.03	3.6	70.6	4.86	1150	0.37	5.9	4
NSW70322	Power Auger	METL43	668676	6402828	34	0.003	0.04	5.8	102	5.44	923	0.32	5.4	4.3
NSW70323	Power Auger	METL43	668574	6402828	45	0.002	0.04	4.3	69.1	4.99	1310	0.31	8	6.1
NSW70324	Power Auger	METL43	668472	6402832	47	0.001	0.03	4.8	23.6	4.42	1190	0.2	6.8	4.1
NSW70326	Power Auger	METL43	668972	6403031	29	<0.001	0.03	5.1	44.7	4.32	1020	0.42	7.5	3.2
NSW70327	Power Auger	METL43	668872	6402831	40	0.001	0.03	2.5	56.3	4.79	1500	0.39	5.8	3.3
NSW70328	Power Auger	METL43	669069	6402831	35	0.004	0.04	5.5	182	5.68	1160	0.44	5.9	3.3
NSW70329	Power Auger	METL43	669271	6402827	34	0.001	0.03	3.2	79.3	3.91	1350	0.54	7	2.2
NSW70330	Power Auger	METL43	669477	6402828	34	0.001	0.09	4.3	10.6	2.08	900	2.71	16.4	23
NSW70331	Power Auger	METL43	669575	6402634	36	<0.001	0.02	10.5	26.6	3.09	818	1.43	13.8	1.7
NSW70332	Power Auger	METL43	669673	6402429	28	<0.001	0.01	5.4	15.3	2.59	850	0.36	12.8	1.3
NSW70334	Power Auger	METL43	669375	6402631	30	0.003	0.02	6.3	105	4.96	1040	0.27	4.8	2.1

Sample ID	Sample Type	Assay Method	MGA94_55 Easting	MGA94_55 Northing	Depth (cm)	Au ppm	Ag ppm	As ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Pb ppm	Zr ppm
NSW70335	Power Auger	METL43	669176	6402630	20	0.003	0.03	4.5	142.5	6.28	1080	0.31	5.5	3
NSW70336	Power Auger	METL43	668946	6402648	43	0.001	0.05	6.4	77	4.67	1100	0.56	8.2	4.3
NSW70337	Power Auger	METL43	668772	6402629	40	0.001	0.05	3.3	73.7	3.69	1050	0.27	7	3.9
NSW70338	Power Auger	METL43	668573	6402631	45	0.002	0.03	4.1	71.7	4.99	1140	0.22	6.6	5
NSW70339	Power Auger	METL43	668372	6402628	46	0.002	0.02	3.7	24.1	3.94	818	0.19	6.8	4
NSW70340	Power Auger	METL43	668274	6402434	40	0.002	0.02	3.8	24.5	3.82	841	0.12	7.1	5
NSW70341	Power Auger	METL43	668471	6402430	50	0.002	0.03	4.3	71.5	4.72	725	0.25	7.1	3.6
NSW70342	Power Auger	METL43	668673	6402435	44	0.001	0.06	3.3	49.3	4.02	602	0.34	6.3	2
NSW70343	Power Auger	METL43	668872	6402433	30	0.001	0.04	3.3	55.8	4.69	1320	0.27	6.7	3.9
NSW70344	Power Auger	METL43	669064	6402430	31	0.001	0.02	4.6	67.8	5.35	698	0.26	5.6	3.6
NSW70345	Power Auger	METL43	669271	6402433	34	0.002	0.03	5.7	108	5.37	795	0.25	4.7	4.2
NSW70346	Power Auger	METL43	669376	6402233	24	<0.001	0.02	6.1	101	5.61	689	0.27	9.6	2.7
NSW70347	Power Auger	METL43	669169	6402231	22	0.001	0.01	5	70.5	5.85	743	0.34	4.3	2.7
NSW70348	Power Auger	METL43	669272	6402029	25	0.001	0.02	7.8	58.5	4.02	1020	0.33	8.6	2.8
NSW70349	Power Auger	METL43	669473	6402030	24	0.001	0.01	3	16.1	2.44	540	0.25	15.4	1.3
NSW70351	Power Auger	METL43	669573	6402230	37	<0.001	0.01	4.5	17.4	2.71	614	0.29	12.4	1.4
NSW70352	Power Auger	METL43	669475	6402431	32	<0.001	0.01	35.7	28.6	3.9	520	0.37	19.9	2
NSW70353	Power Auger	METL43	669572	6401832	35	<0.001	0.01	11.9	16.5	2.74	778	0.33	12.6	1.1
NSW70354	Power Auger	METL43	669666	6401637	33	<0.001	0.01	8.9	16.9	2.64	1140	0.39	20.4	1.2
NSW70355	Power Auger	METL43	669477	6401629	30	<0.001	0.02	2.7	9.6	1.68	363	0.25	8.1	1.3
NSW70356	Power Auger	METL43	669378	6401831	20	<0.001	0.06	4.9	19.3	2.39	1280	0.43	12.3	2.4
NSW70357	Power Auger	METL43	669277	6401635	35	0.001	0.06	6.9	28.2	3.25	1720	0.5	12.8	2.7
NSW70358	Power Auger	METL43	669074	6401640	18	<0.001	0.02	6.8	33.5	4.08	1760	0.65	7	3.1
NSW70359	Power Auger	METL43	669170	6401828	30	0.002	0.1	8.3	28.1	3.5	1700	0.5	14.4	4.5
NSW70360	Power Auger	METL43	669076	6402031	45	0.001	0.01	5.4	49.6	3.7	874	0.35	8.9	3
NSW70361	Power Auger	METL43	668874	6402035	46	0.001	0.05	5.9	57.8	3.68	925	0.4	8.8	3
NSW70362	Power Auger	METL43	668973	6401828	35	0.001	0.03	5.1	22.2	2.53	802	0.33	11.1	2
NSW70363	Power Auger	METL43	668772	6401831	30	0.001	0.05	5.1	31.6	3.4	1350	0.53	8.4	3.2
NSW70364	Power Auger	METL43	668671	6401633	26	<0.001	0.02	5.8	49.5	3.97	1810	0.46	6.1	1.6
NSW70365	Power Auger	METL43	668874	6401631	19	<0.001	0.06	5.4	35.6	3.98	2040	0.64	7.1	2.9
NSW70367	Power Auger	METL43	668670	6402043	19	0.001	0.05	5	30.4	2.9	945	0.53	10.7	2.1
NSW70368	Power Auger	METL43	668472	6401629	32	0.001	0.02	11.5	42.9	4.52	982	0.41	4.2	4.4
NSW70369	Power Auger	METL43	668572	6401836	26	0.001	0.02	6.8	46.1	4.65	1100	0.58	4.8	2.2
NSW70370	Power Auger	METL43	668378	6401832	21	0.001	0.03	13.8	90.2	4.46	1590	0.65	10.1	3.5
NSW70371	Power Auger	METL43	668274	6401642	23	0.001	0.02	8.6	38.4	4.55	973	0.64	3.8	3.8
NSW70372	Power Auger	METL43	668080	6401677	44	<0.001	0.02	6.4	20.7	3.52	1990	0.48	8.1	1.8
NSW70373	Power Auger	METL43	668172	6401826	26	0.001	0.02	5.5	31.6	4.55	1260	0.48	5.1	3.6
NSW70374	Power Auger	METL43	667975	6401828	29	<0.001	0.02	5.1	17.7	2.85	936	0.5	9.6	0.8
NSW70376	Power Auger	METL43	668074	6402028	36	0.002	0.04	4.3	22.6	2.51	506	0.2	7	2.8
NSW70377	Power Auger	METL43	668282	6402026	21	0.001	0.04	3.9	35.1	3.79	966	0.33	5.9	2.8
NSW70378	Power Auger	METL43	668470	6402032	30	<0.001	0.04	2.9	28.3	3.17	856	0.37	6.6	1.9
NSW70379	Power Auger	METL43	668574	6402238	35	0.001	0.13	4.5	42.6	3.5	560	0.45	7.2	2.5
NSW70380	Power Auger	METL43	668773	6402229	38	0.001	0.05	3.2	54.9	3.52	1470	0.32	7.7	3
NSW70381	Power Auger	METL43	668972	6402228	30	<0.001	0.02	4.8	28.1	4.49	1110	0.41	5.9	2.7
NSW70382	Power Auger	METL43	668270	6402830	40	0.002	0.01	4.6	16.7	3.94	705	0.13	4.9	3.5
NSW70383	Power Auger	METL43	668078	6402830	44	0.001	0.01	2	23.9	3.99	916	0.24	4.3	2.6
NSW70384	Power Auger	METL43	667876	6402836	42	0.001	0.01	3.6	20.8	3.58	817	0.16	4	2.7
NSW70385	Power Auger	METL43	667670	6402831	23	<0.001	0.01	7.6	32	5	1690	0.36	10.3	3.3
NSW70386	Power Auger	METL43	669062	6399037	26	0.001	0.11	21.1	52.7	2.75	1420	0.43	12.3	2.5
NSW70387	Power Auger	METL43	668947	6398827	21	0.001	0.04	8.9	20.9	1.93	1790	0.47	11.6	2.1
NSW70388	Power Auger	METL43	668753	6398838	22	0.002	0.19	24	47.9	3.72	4500	1.38	13.8	7.6
NSW70389	Power Auger	METL43	668868	6399031	20	0.001	0.1	8.9	56.1	2.65	2260	0.45	10.2	2.6
NSW70390	Power Auger	METL43	670832	6401227	28	0.001	0.05	5.6	31.9	4.31	2290	0.46	7	3
NSW70391	Power Auger	METL43	670932	6401236	30	0.001	0.06	5.8	37.8	3.38	1960	0.31	9	2.4
NSW70392	Power Auger	METL43	671029	6401243	33	0.001	0.06	7.8	37	3.94	962	0.43	10.6	3.5
NSW70393	Power Auger	METL43	671128	6401243	29	0.001	0.07	6.6	39.6	3.71	1380	0.4	10.3	2.9
NSW70394	Power Auger	METL43	671230	6401242	36	<0.001	0.07	5	40.5	2.99	1980	0.35	9.4	2
NSW70395	Power Auger	METL43	671198	6401829	37	<0.001	0.05	4.6	29.1	3.22	2160	0.34	19.9	1.9
NSW70396	Power Auger	METL43	671097	6401837	36	0.003	0.05	4.6	22.6	2.92	1880	0.28	21.6	1.5
NSW70397	Power Auger	METL43	670991	6401831	30	0.001	0.03	4.5	40.2	3.98	1610	0.66	14.5	2.9
NSW70398	Power Auger	METL43	670895	6401838	32	0.001	0.06	6.1	62.8	5.6	2570	0.98	15.3	4.1
NSW70399	Power Auger	METL43	670970	6402223	30	0.001	0.04	4.9	35.8	4.1	960	0.72	11	2.2
NSW70401	Power Auger	METL43	671073	6402229	21	0.001	0.06	5	37.8	3.93	1340	0.7	12.5	2.5
NSW70402	Power Auger	METL43	671172	6402234	20	0.001	0.05	4.4	28.7	3.27	1200	0.56	14.4	2.8
NSW70403	Power Auger	METL43	668663	6399029	12	0.002	0.1	31.9	59.4	3.89	4580	1	12.7	6.6
NSW70404	Power Auger	METL43	668544	6398835	20	0.003	0.06	29.9	53.4	4.11	3430	1.68	13.4	18.2
NSW70405	Power Auger	METL43	668655	6398643	15	0.002	0.04	32.3	43.9	4.73	3770	1.98	13.6	43.7
NSW70406	Power Auger	METL43	668870	6398650	12	0.001	0.08	7.3	19.7	1.91	2970	0.63	11.2	2.8
NSW70407	Power Auger	METL43	669123	6398431	20	0.002	0.07	7	17.4	1.81	1210	0.59	14.6	0.9

Sample ID	Sample Type	Assay Method	MGA94_55 Easting	MGA94_55 Northing	Depth (cm)	Au ppm	Ag ppm	As ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Pb ppm	Zr ppm
NSW70408	Power Auger	METL43	668922	6398429	30	0.001	0.06	13.3	42.2	2.92	1970	0.97	13.2	3.2
NSW70409	Power Auger	METL43	668722	6398431	28	0.001	0.05	5.9	14.9	1.79	902	0.4	9.2	1.6
NSW70410	Power Auger	METL43	668522	6398430	18	0.001	0.04	12.8	32.5	2.83	1840	0.7	13.2	5
NSW70099	Power Auger	MSM41	668669	6403434	45	<0.02	0.05	6.2	73.1	5.28	1000	0.35	6.3	5
NSW70101	Power Auger	MSM41	668674	6403629	55	<0.02	0.04	4.7	32.5	4.89	741	0.34	7	5.6
NSW70102	Power Auger	MSM41	668571	6403631	40	<0.02	0.03	5.4	42	5.02	751	0.51	6.6	5.4
NSW70103	Power Auger	MSM41	668470	6403632	36	<0.02	0.03	6.5	37.7	5.19	772	0.34	6.3	5.5
NSW70105	Power Auger	MSM41	668473	6403833	40	<0.02	0.05	6	55.6	4.22	953	0.31	7.2	6
NSW70106	Power Auger	MSM41	668569	6403831	42	<0.02	0.04	5.9	43.2	4.16	737	0.22	6.8	5.7
NSW70108	Power Auger	MSM41	668770	6403832	46	<0.02	0.03	8.2	50.7	4.21	458	0.18	7.8	4.7
NSW70109	Power Auger	MSM41	668874	6404028	60	<0.02	0.03	11.7	67.8	4.67	840	0.21	6.1	5.2
NSW70110	Power Auger	MSM41	668770	6404031	50	<0.02	0.04	10.4	58.3	4.66	662	0.21	8.1	6
NSW70111	Power Auger	MSM41	668673	6404030	60	<0.02	0.09	4.8	38.1	3.05	953	0.2	8.6	4
NSW70130	Power Auger	MSM41	669479	6403440	41	<0.02	0.04	8.8	43.7	4.43	641	0.57	8.8	7.1
NSW70148	Power Auger	MSM41	668768	6403430	55	<0.02	0.05	7.6	69.5	4.56	852	0.17	6.4	5.2

Appendix 1 - Section 1 Sampling Techniques and Data – Whatling Hill Prospect – Rockchip samples

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 downhole 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 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.*	• Rock chip samples were collected during field inspection on the Whatling Hill prospect. • Rock chip samples were collected from surface outcrops and floats. • Outcrop samples represent the resistant and exposed portions of the local geology. The float samples are inferred to have originated from the local area where they were found, with no evidence of substantial transport. • Submitted samples weigh from 0.2 kg to 2 kg. • Samples were crushed, dried and pulverised (Lab) to produce a 50g sub sample for analysis by four acid digest with an ICP-AES finish & Fire Assay (Au) finish. •
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).*	• Not applicable – surface rock chip samples.
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.*	• Not applicable – surface rock chip samples.
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.*	• A short geological description of each sample was taken at the time of collection. • The description is qualitative: lithology, alteration, mineralisation
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.*	• The sample preparation of rock chip samples followed industry best practice in sample preparation involving oven drying, coarse crushing of the rocks followed by pulverisation of the entire sample (total prep) using grinding. • Where possible, samples were selected to represent different parts of the mineral system as a whole. No field duplicate samples were collected. • Sample sizes were sufficiently large to sample a good representation of the local geology
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)*	• Samples were delivered to ALS Chemex, in Orange NSW. • Average sample weight was ~0.5 kg. • Standard assay procedures performed by a reputable assay lab, (ALS Group), were undertaken. Gold assays are initially by 50g fire assay with AAS finish (method Au-AA26). For samples with a gold value greater than 0.5ppm the entire remaining sample is screen fire assayed using wet screening to 75 microns. Ag, As, Cu, Fe, Pb, S, Zn are digested in aqua regia then analysed by ICP-AES (method ME-ICP61). Comparison with 4 acid digestion

Criteria	JORC Code explanation	Commentary
	and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	indicate that the technique is considered total for Ag, As, Cu, Pb, S, Zn. Fe may not be totally digested by aqua regia but near total digestion occurs. A final 50 gram split was then fire assayed with an AAS finish. • Internal ALS QC results are reported along with sample values in the final analytical report. • QAQC protocols are documented and involve the use of certified reference material (CRM's) as assay standard. • Certified reference material or blanks are inserted at least every 40 samples. Standards are purchased from Certified Reference Material manufacture companies. Standards were purchased in foil lined packets of between 60g and 100g. Different reference materials are used to cover high grade, medium grade and low-grade ranges of elements: Au, Ag, Pb, Zn Cu, Fe S and As. The standard names on the foil packages were erased before going into the pre numbered sample bag and the standards are submitted to the lab blind. The sample sizes are considered to be appropriate to correctly represent the mineralisation at the Whatling Hill prospect.
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.*	• Original sample data sheets and files have been retained and were used to validate the contents of the company's database against the original assay • The raw assay data were reviewed and verified by company's Exploration Manager – NSW.
Location of data points	• *Accuracy and quality of surveys used to locate drillholes (collar and downhole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• A handheld GPS was used to locate each sample. GPS accuracy is +/- 5m for easting and northing coordinates. • Coordinate system GDA_94, Zone 55. • Topographic control is maintained by use of widely available government datasets •
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.* • *Whether sample compositing has been applied.*	• Only reconnaissance sampling completed – spacing is variable and based on outcrop location and degree of exposure • Samples were taken at non-regular intervals according to observations at the time in the field. • No 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.*	• Samples were taken according to geological observations at the time in the field.
Sample security	• *The measures taken to ensure sample security.*	• Samples were placed in tied calico bags with unique sample numbers. Once delivered from the field the samples were housed in secure premises prior to laboratory submission by Emmerson's contractor. Samples were placed in sealed polyweave bags for transport to the assay laboratory. • Digital data was emailed to the Exploration Manager - NSW. • The assay laboratory confirms that all samples have been received and that no damage has occurred during transport. • Results data was emailed to the Exploration Manager - NSW. While samples are being processed in the Lab they are considered to be secure.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• No formal audit has been completed on the samples being reported.

Section 2 Sampling Techniques and Data – Whatling Hill Prospect – Rockchip samples

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.*	• Whatling Hill prospect is within EL8464. • EL8464 Fifield is located just south of Tullamore and approximately 50 NW of Northparkes Cu-Au mine. • EL8464 is situated on map sheet SI55-3 Narromine 1:250,000 • EL8464 is consists of wheat paddocks and minor grazing paddocks. • The tenement is 100% held by Lachlan Resources (Emmerson Resources). • EL8464 is in good standing and no known impediments exist.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• North Broken Hill Ltd explored the area in 1978 for tungsten and skarn. • Shell Company of Australia from 1981 - 1983 explored for tin-tungsten skarn deposits associated with the Gobondery granite; porphyry copper and base metal mineralisation associated with monzonite-diorite; tin-quartz- tourmaline mineralisation hosted by Girilambone sediments; and gold-base metal stockwork mineralisation hosted in Ordovician sediments. • North Mining Ltd (North) explored the district for Porphyry Cu-Au deposits within the Ordovician Volcanics from 1992 – 1995. • Clancy Exploration Ltd held the ground through EL6534 from 2006 – 2014 targeting Ordovician Porphyry Cu-Au system.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• Since the 1960's, the area inside EL8464 has been actively explored for a variety of metals including Cu,Au, Pb, Zn, Pt, Ni, Sn and W. Several historical small mining operations have been conducted in the tenement, Allandale and Gobondery. The Allandale Cu mine is a vein associated copper occurrence. The Gobondery Fe Mine was described as a small high-grade hematite deposit on the eastern contact of the Devonian Gobondery Granite.EL8464 lies within an inlier of Ordovician arc interpreted to have been rifted west off the Northparkes Igneous Complex. The main Ordovician arc is dominated by the Raggatt Volcanics consists of andesitic to trachyandesitic lavas and volcaniclastic rocks. The Devonian Gobondery granite in the western part of the tenement outcrops as a prominent hill. • The Ordovician Raggatt Volcanics have been tentatively correlated with the Womblin and Goonumbla Volcanics at Northparkes. Age dating of two intrusive samples collected by Emmerson Resources confirmed this correlation, with dates ranging from Middle to Late Ordovician to Early Silurian. Preliminary ages yielded (465.3 ± 6.5 Ma and 439 ±11 Ma; zircon U-Pb – UTAS-CODES). • The style of mineralization of the Kadungle Valley prospect is considered to be Porphyry Copper Gold. Elsewhere in the tenement, other porphyry prospects are Forrest View and Allandale prospect. • The Raggat Volcanics are considered to be highly prospective to host Porphyry Cu Au, supported by the Late Ordovician age, and the occurrence of alteration associated with this style of mineralization. i.e. pervasive epidote and chlorite alteration, locally with disseminated magnetite, presence of magnetite veins and quartz-magnetite veins with clots of malachite.

Drillhole information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drillholes:*
	  ○ *easting and northing of the drillhole collar*
	  ○ *elevation or RL of the drillhole collar*
	  ○ *dip and azimuth of the hole*
	  ○ *downhole length and interception depth*
	  ○ *hole length.*
		• All results are reported as Table 1 within the body of this report.
		•

Criteria	JORC Code explanation	Commentary
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.*	• No length-weighting or cut-off grades have been applied. • No metal equivalent values reported. •
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 drillhole angle is known, its nature should be reported.* • *If it is not known and only the downhole lengths are reported, there should be a clear statement to this effect (eg 'downhole length, true width not known').*	• Not applicable. Only rockchips (point data) is presented.
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 drillhole collar locations and appropriate sectional views.*	• Refer to Figures in body of text.
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.*	• All results are reported as Table 1
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; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• All meaningful and material information is reported. •
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.*	• Further work on the reported exploration targets will involve: • - Soil sampling program to assess extent of mineralizarition • - Petrographic and mineragraphic analysis of alteration and mineralization from collected rock samples • - Age dating of intrusions collected from surface rock chips, i.e. Monzonite • - Review and assess the aeromag, further geophysical method is proposed (i.e Deep penetrating IP) to fully assess the potential of the prospect.

Appendix 2 - Section 1 Sampling Techniques and Data – Wellington Project - Ponto Corridor Prospect – Soil Sampling using Power Auger

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 downhole 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 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.*	• Soil sampling at Ponto used Power Auger for the program. The hole was sunk as close as possible to the target horizon or bedrock to obtain samples of the decomposed rock. • Soil samples were generally collected to a depth 30cm and 50cm to permit easy collection of samples. • The samples were sieved to -2mm or -80 mesh with sample weights typically > 60g. Where soils were damp to sieve, coarser samples were collected (~500g) • The samples are considered to effectively represent the residual soil at point of collection. • Soil samples comprise ~300g unsieved material which is submitted to lab for pulverising and assaying. Samples collected on 200 x 100m grid. • Samples were dried, pulverised and sieved at the Lab (passing 80 micron) to produce at least 60g sub sample for analysis by AuME-TL43 Low Level Gold in Soils and Sediments and MS-MS41.
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).*	• One-person Power Auger method with 40mm diameter screw
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.*	• Sample recovery was assessed visually via average sample size collected in kraft bag.
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.*	• A short geological description of each sample was taken at the time of collection. Sample description was recorded by the collecting geologist. • The description is qualitative: Prospect/Target Name; Sample number, coordinates, coordinate system and survey control method; Sample weight, depth (from and to intervals if auger sampling), colour, Mesh size (if not sieved then it should be recorded that the sample is a bulk sample), Grain size distribution (relative percentages of different sized material), texture , Moisture content is recorded to give an indication of the effect this may have had on the soil colour and the potential where wet samples are collected for contamination between samples, lithology, alteration, Regolith regime (depositional or residual regime)
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.*	• The sample preparation of soil samples followed industry best practice in sample preparation involving oven drying, coarse crushing followed by pulverisation of the entire sample (total prep) using grinding. • Field duplicate samples were collected. • Sample sizes were sufficiently large to sample a good representation of the local geology.

Criteria	JORC Code explanation	Commentary
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.*	• Samples were delivered to ALS Chemex, in Orange NSW. • Average sample weight was ~300g. • Standard assay procedures performed by a reputable assay lab, (ALS Group), were undertaken. • Soil samples analysed by AuME-TL43 (374 samples) and MS-MS41 (12 samples). • Internal ALS QC results are reported along with sample values in the final analytical report. • QAQC protocols are documented and involve the use of certified reference material (CRM's) as assay standard.
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.*	• Original sample data sheets and files have been retained and were used to validate the contents of the company's database against the original assay • The raw assay data were reviewed and verified by company's Exploration Manager – NSW.
Location of data points	• *Accuracy and quality of surveys used to locate drillholes (collar and downhole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• A handheld GPS was used to locate each sample. GPS accuracy is +/- 5m for easting and northing coordinates. • Coordinate system GDA_94, Zone 55. • Topographic control is maintained by use of widely available government datasets •
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.* • *Whether sample compositing has been applied.*	• Auger holes and soil samples were preferentially located in prospective areas. Sample spacing was typically 200 x 100m. • No 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.*	• The orientations of structures where inferred from geophysical imagery and mapping. No sampling bias is thought to be present.
Sample security	• *The measures taken to ensure sample security.*	• Samples were placed in kraft bag with unique sample numbers. • Once delivered from the field the samples were housed in secure premises prior to laboratory submission by Emmerson's contractor. Samples were placed in sealed polyweave bags for transport to the assay laboratory. • Digital data was emailed to the Exploration Manager - NSW. • The assay laboratory confirms that all samples have been received and that no damage has occurred during transport. • Results data was emailed to the Exploration Manager - NSW. While samples are being processed in the Lab they are considered to be secure.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• No formal audit has been completed on the samples being reported.

Section 2 Sampling Techniques and Data – Wellington Project - Ponto Corridor Prospect – Soil Sampling using Power Auger

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.*	• Ponto Corridor is within EL8463. • EL8463 is located in central New South Wales, approximately 15km west of Wellington. • EL8463 falls within the Wellington (8632) and Dubbo (8732) 1:100,000 map sheets • EL8463 is comprised numerous landholdings which are farmed for a variety of crops including wheat, canola, oats, and barley; as well as grazing for sheep and cattle. • The tenement is 100% held by Lachlan Resources (Emmerson Resources). • EL8463 is in good standing and no known impediments exist.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• The exploration maturity for EL8463 for near surface/outcropping mineralisation is believed to be high given the more than 30 years aggressive exploration **Ponto Area:** • Australian Anglo American Group (in JV with Metals Exploration Ltd) explored the area from 1973-1976 • Mines Exploration Pty Ltd and Electrolytic Zinc Company explored the area from 1977 – 1981. • Newcrest Mining Ltd focused on the Ponto East and West from 1990 -1992. • CRA took out a large tenement package in search of porphyry Cu - Au mineralisation from 1993 – 1998. • Newcrest returned to investigate magnetic anomalies and was encouraged by hydrothermal alteration in monzonite from 1998 - 2000 • Mount Isa Mines (MIM) targeted bulk tonnage porphyry mineralization from 2001 - 2002 • Rimfire explored the area from 2007 to 2011 focusing on the Ponto Ordovician monzonite along a regional shear structure. • Newmont looked at the Ponto area between 2012 and 2014 • Minotaur Exploration Ltd is the last company that undertook exploration on the west section of Ponto Area from 2010 to 2015.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• EL8463 is well located in the Molong Volcanic Belt within Ordovician volcanic and intrusive rocks of the Macquarie Arc that are host to the majority of the significant mineral deposits in the region. The main targets are alkalic porphyry Au-Cu mineralisation. Other styles of mineralisation which had been investigated within the tenement includes epithermal, skarn, shear and intrusion hosted mineralisation. • The Ordovician Oakdale Formation crops out as a NS trending bodies through the central and eastern section of EL8463 and is host to a number of small gold and copper occurrences in the area • Porphyry mineralisation are centred in and around quartz monzonite porphyry complexes, and within EL8463 the obvious highest priority target is the Ponto Area located on the northern section of the EL. The high priority Ponto area (Ponto East, Ponto West and Whites) is located on the north section where historic copper workings are within chalcopyrite-bearing quartz veins in sheared volcanics, sediments, conglomerate and tuff sequence. • Possible epithermal style Au and shear zone hosted precious-base metals mineralisation were also explored by several companies targeting the Gunners Dam, Owens Shaft, Walmer-Trounce, Hill 4S, Neurea and Higgins Reef corridors located within the south section of EL8463. Two gold occurrences east of Neurea located on the SE section of EL8463 represent two other areas of similar style mineralisation target, with numerous alluvial gold workings associated with fragments and small

Criteria	JORC Code explanation	Commentary
		outcrops of fine grained chalcedonic silica, and ferruginous veinlets in sediments and volcanics. • Preliminary age dating of the intrusive outcrop (Monzonite?) at Ponto sampled by Emmerson yielded an Early Ordovician to Middle Ordovician age (481.4±2.2 Ma - zircon U-Pb and 472 ±15 Ms – apatite – UTAS-CODES).
Drillhole information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drillholes:* ○ *easting and northing of the drillhole collar* ○ *elevation or RL of the drillhole collar* ○ *dip and azimuth of the hole* ○ *downhole length and interception depth* ○ *hole length.*	• See Table 2 for details of Auger soils and results. •
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.*	• No length-weighting or cut-off grades have been applied. • No metal equivalent values reported. •
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 drillhole angle is known, its nature should be reported.* • *If it is not known and only the downhole lengths are reported, there should be a clear statement to this effect (eg 'downhole length, true width not known').*	• Not applicable.
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 drillhole collar locations and appropriate sectional views.*	• Refer to Figures in body of text.
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.*	• See Table 2
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; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• All meaningful and material information is reported. •
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.*	• Further work on the reported exploration targets will involve: • - Collect epidote and chlorite samples for "green rock' study • - Petrographic and mineragraphic analysis of alteration and mineralization from collected rock samples • - Review and assess the aeromag, further geophysical method is proposed (i.e Deep penetrating IP) to fully assess the potential of the prospect.