



Collerina Regional Copper Prospects Continue to Deliver

Strong copper-in-soil anomaly coincident with EM at Yathella Prospect

Highlights

- ☐ **Mapping and sampling along the Collerina Trend has continued to define further extensions to emerging regional copper targets at the Collerina Project, NSW.**
- ☐ **Recent auger soil sampling around the Yathella Prospect has defined a robust copper-in-soil anomaly with a peak assay of 1,330ppm Cu.**
 - **The Yathella Prospect was one of several airborne EM conductors defined in early 2017, one other of similar amplitude being the Collerina Copper Deposit. Modelling of recent fixed loop surface EM has confirmed the airborne EM response at Yathella**
 - **The copper-in-soil anomaly, which lies immediately up-dip of the Yathella airborne EM conductor, is defined over a 150m by 250m area and remains open in several directions.**
- ☐ **The geochemical and geophysical responses at Yathella correlate well with those at the Collerina Copper Deposit indicating high prospectivity for the discovery of Collerina-style massive sulphides.**
- ☐ **Drilling is expected to recommence at the Collerina Deposit this month. Regional activities will continue to refine targets for drilling, including the high priority Yathella Prospect.**
- ☐ **Helix controls a significant strike (approximately 85km) of regional trend at Collerina prospective for high-grade Tritton-style copper systems.**

Helix Resources Limited (ASX:HLX) (**Helix** or **the Company**) is pleased to announce exploration activities covering portions of the 25km long Collerina Trend have continued to return encouraging results at emerging regional targets. Significantly, the copper-in-soil anomaly and coincident airborne and surface EM anomalies at the emerging Yathella Prospect shows strong similarities to early results at the Collerina Copper Deposit.

Helix Managing Director, Mick Wilson, commented: *"This regional work is building upon the promising outcomes from the exploration completed earlier in the field season. The combined geochemistry and geophysical results continue to bolster our confidence in the regional prospectivity of Collerina Trend. We know these copper systems generally form in clusters and results like these from the Yathella Prospect provide excellent early indications for the presence of another copper mineralised system. Regional exploration activities will continue this quarter in parallel to further drilling at our flagship Collerina Copper Deposit, where we recently made a significant break-through intersecting a continuation of the high-grade massive copper sulphide at depth."*

Regional Mapping and Sampling

This campaign of work concentrated on the emerging regional prospects including: Widgelands Prospect, Yathella Prospect, the Klante Trend and the Gwinear trend. Activities included further mapping and rock chip sampling of the Collerina ironstone/breccia unit along the 25km long Collerina Trend, an initial auger soil survey and follow-up surface geophysical surveys were also completed at the Yathella Prospect.

The results from this regional program are very encouraging and include:

Yathella Prospect: Auger soils have identified an anomalous copper-in-soil anomaly (up to 1330ppm Cu) over a 150m by 250m area. The copper-in-soil anomaly is coincident with both an airborne and surface EM response and remains open in several directions. There is no previous exploration drilling at this prospect.

Initial surface fixed loop EM has confirmed the EM response initially identified in the regional airborne EM survey. The response is of a similar strength to the EM response at the Collerina Copper Deposit.

The combination of these results at Yathella show strong similarities to the initial work at the Collerina Copper Deposit making this target a high-priority for further work and initial drilling.

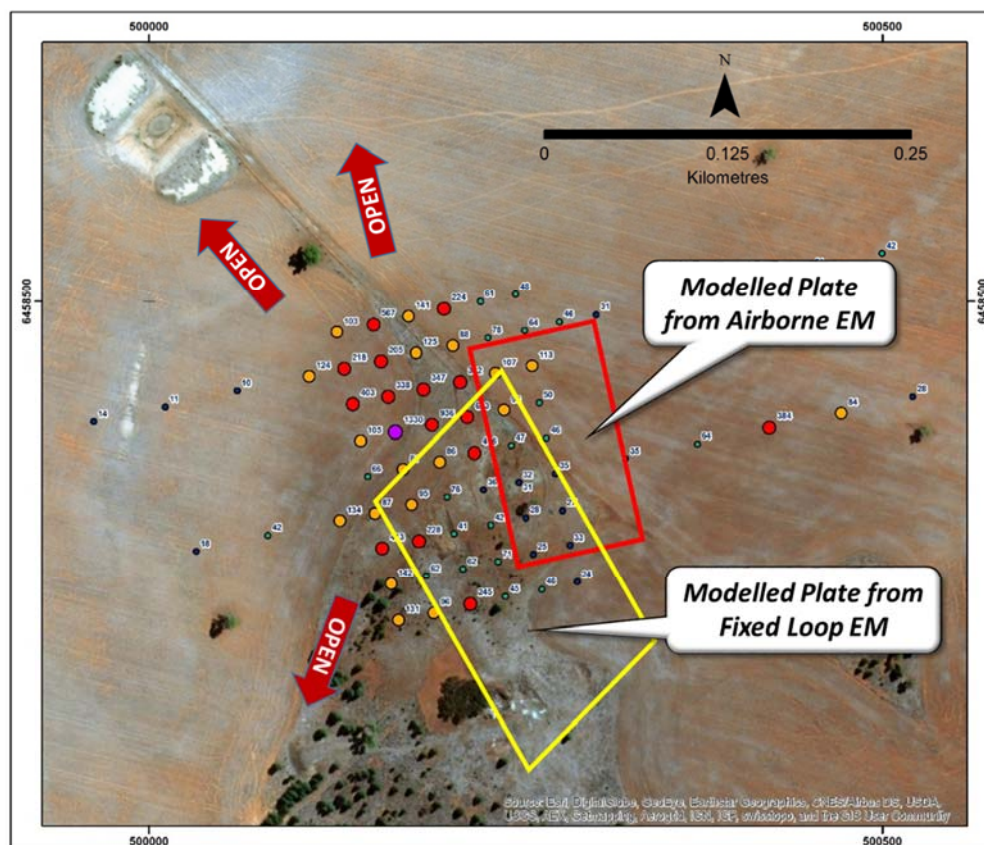


Figure 1: Soils and position of EM anomalies at the Yathella Prospect. Anomaly remain open in several directions.

Widgelands Prospect: Mapping and rock chip sampling surrounding the Widgelands Prospect area has identified a second sub-parallel ironstone unit, potentially doubling the prospective target zone in this part of the Collerina Trend. In addition, a rock chip sample returned 0.6% Cu and 0.4g/t Au approximately 1.5km further southeast of the known historic workings.

Klante Trend: New mapping and sampling has identified Collerina ironstone on this trend included rockchips returning up to 0.1% Cu.

Gwinear Trend: Further sampling along the Gwinear Trend has mapped the target unit continuously from Max's Folly to Tindells. The geochemical response in this area appears to be more gold rich, with several surface samples returning samples over 0.1g/t Au with the maximum 0.6g/t rock chip collected on this trend.

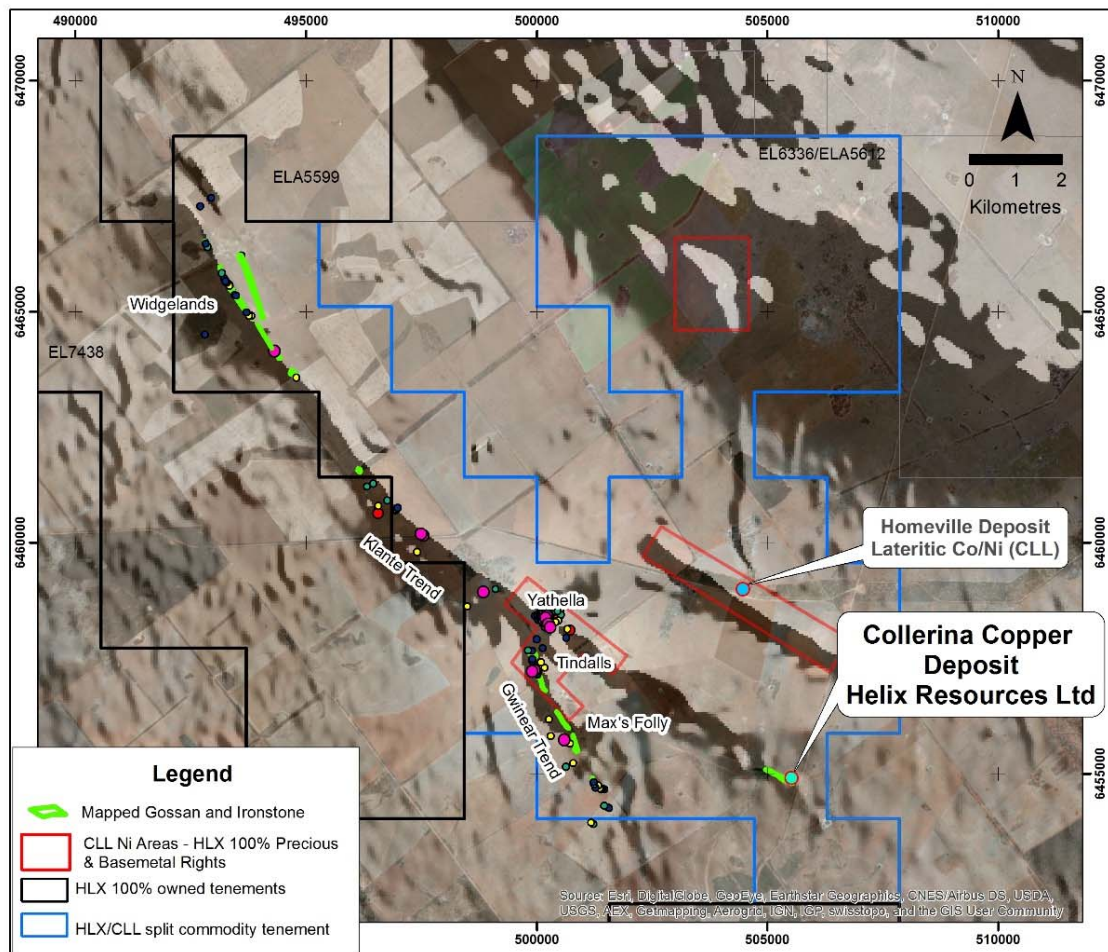


Figure 2: Location of recent significant copper rock chip results along the 25km trend on the Collerina Project in NSW

Next Steps

Further regional auger soil sampling and geophysical surveys are being planned and prioritised as follows:

Yathella - Additional auger soils to close-off the Yathella copper-in-soil anomaly. A moving loop EM Survey to cover the entire Yathella target area to best define the EM response. Following this work an initial drilling program will be designed to test this high-priority copper target.

Widgelands - Subtle VTEM anomalism associated with this prospect requires follow-up surface EM to better define and prioritise areas for drilling.

Klante and Gwinear Trends - Auger soil programs are being designed to establish priority areas for geophysical surveys and follow-up drilling.

This work will commence in conjunction with drilling programs at the main Collerina Copper deposit. This drilling is the priority for the Company, following the recent high-grade result in deep drilling. Drilling intersecting high-grade copper in massive sulphides (5m @ 4.3% Cu from 316m in CORC087) for the first time at depth, which is a significant breakthrough for the Collerina Copper Deposit (announced in ASX announcement on 5 April 2018).

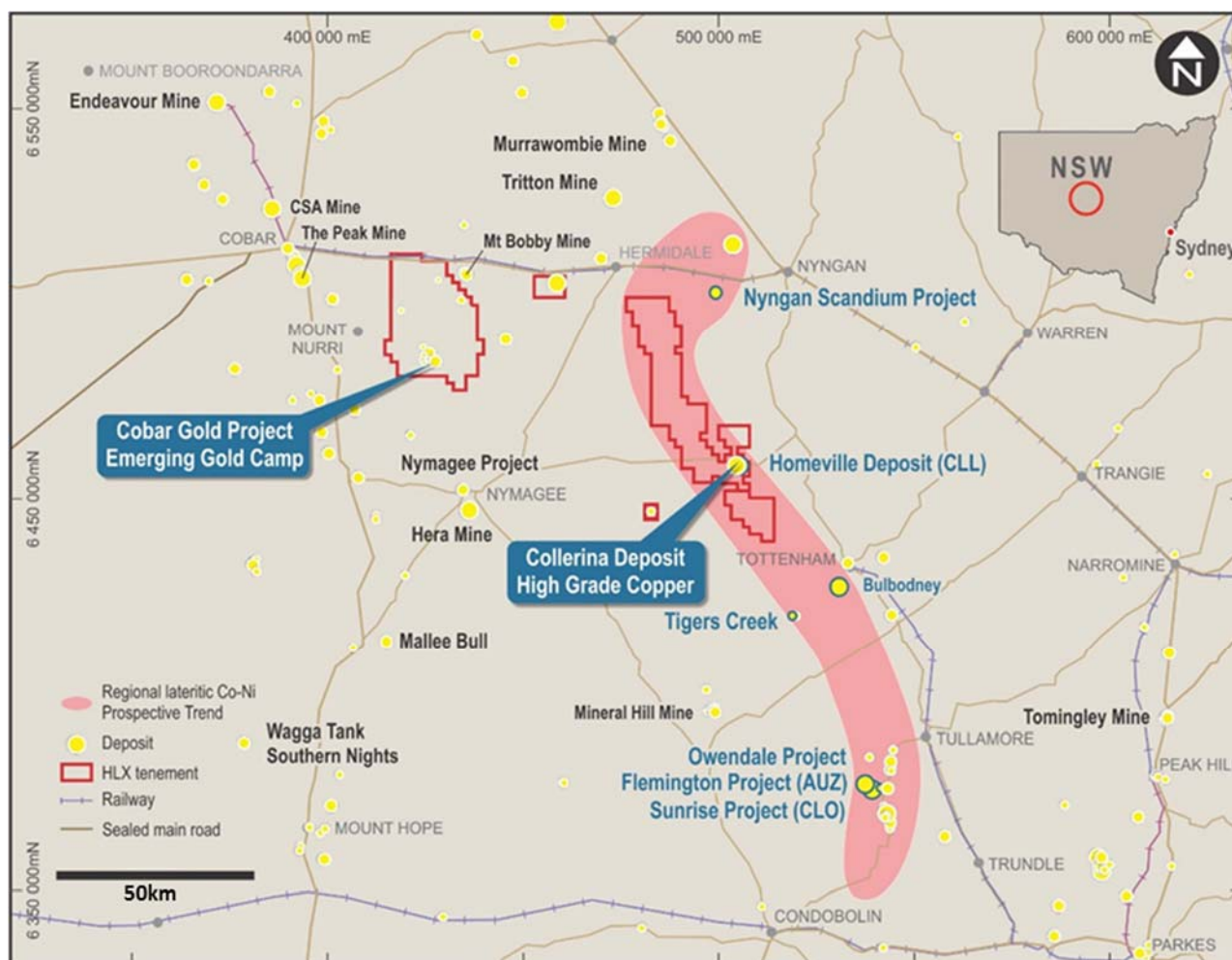


Figure 3: Location map showing Helix's Central NSW projects in relation to operating Copper and Gold mines and lateritic Co-Ni projects

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Competent Persons Statement

The information in this announcement that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information reviewed by Mr M Wilson who is a full time employee of Helix Resources Limited and a Member of The Australasian Institute of Mining and Metallurgy. Mr M Wilson has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 and 2012 Editions of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr M Wilson consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Details of the assumptions underlying any Resource estimations are contained in previous ASX releases or at www.helix.net.au

For full details of exploration results refer to previous ASX announcements on Helix's website. Helix Resources is not aware of any new information or data that materially effects the information in this announcement

¹ For full details of exploration results refer to the ASX announcements dated 4 February 2015, 29 June 2016, 1 December 2016, 3 August 2017, 8 November 2017, 14 February 2018, 27 February 2018 and 5 April 2018. Helix Resources is not aware of any new information or data that materially effects the information in these announcements.

Forward-Looking Statements

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No new information that is considered material is included in this document. All information relating to exploration results has been previously released to the market and is appropriately referenced in this document. JORC tables are not considered necessary to accompany this document.

Results

Table 1 Rockchip Results from regional Sampling at Collierina

SAMPLE_ID	Site_Type	Northing	Easting	Ag	Ars	Au	Bi	Cu	Pb	S	Zn	Sb
271901	ROCK	6454269	501540	BDL	121	15	BDL	10	43	BDL	32	2.3
271902	ROCK	6454252	501568	BDL	2	BDL	BDL	4	15	BDL	10	1.1
271903	ROCK	6453900	501227	1	3170	130	0.5	40	122	100	230	26.9
271904	ROCK	6453937	501184	1	1970	12	0.5	42	37	50	598	21.5
271905	ROCK	6454298	501457	BDL	243	336	0.2	22	23	BDL	10	4.1
271906	ROCK	6454654	501461	BDL	48	6	BDL	10	8	BDL	18	1.1
271907	ROCK	6454672	501421	BDL	32	34	BDL	8	6	50	12	1
271908	ROCK	6454652	501392	BDL	21	2	BDL	16	6	50	52	0.9
271909	ROCK	6454669	501365	BDL	76	229	3.1	66	6	200	4	1.5
271910	ROCK	6454741	501329	BDL	266	10	BDL	50	7	150	860	2.3
271911	ROCK	6454693	501277	BDL	159	167	1.6	10	10	50	14	3.2
271912	ROCK	6454773	501239	BDL	764	630	0.2	60	21	50	458	8.6
271913	ROCK	6454807	501228	BDL	572	36	BDL	4	10	100	222	2.8
271914	ROCK	6455227	500789	BDL	127	6	0.8	44	120	200	358	12.9
271915	ROCK	6455144	500631	1	231	131	0.7	28	27	BDL	100	29.7
271916	ROCK	6455027	500431	BDL	161	101	3.4	18	8	150	16	3.4
271917	ROCK	6455651	500714	3	262	53	0.4	64	20	50	158	56.9
271918	ROCK	6455732	500593	1.5	874	84	0.4	128	19	BDL	464	9.1
271919	ROCK	6455804	500301	3	190	19	0.5	58	46	50	368	26.2
271920	ROCK	6456171	500264	1	370	152	0.2	54	13	50	194	31.4
271921	ROCK	6457136	500023	BDL	341	33	BDL	8	4	BDL	82	82.7
271922	ROCK	6457288	500172	BDL	26	1	0.2	54	8	150	60	3
271923	ROCK	6457188	500041	BDL	280	12	0.8	24	20	BDL	122	64.6
271924	ROCK	6457157	500003	BDL	358	12	BDL	12	26	50	80	83.7
271925	ROCK	6457237	499942	3.5	724	85	24.6	352	1450	50	158	124
271926	ROCK	6457211	499904	1	290	46	82.9	578	271	150	106	29.9
271927	ROCK	6457409	500087	BDL	134	7	1.5	70	21	50	160	47.1
271928	ROCK	6457431	499900	BDL	64	21	0.3	10	5	50	150	45
271929	ROCK	6457478	499905	BDL	50	23	0.3	20	5	BDL	132	32.7
271930	ROCK	6457651	499896	BDL	29	21	0.2	14	5	50	130	21.5
271931	ROCK	6457659	499812	2	373	18	BDL	32	1430	150	876	40.7
271932	ROCK	6458100	500724	BDL	26	35	BDL	110	15	250	84	4.5
271933	ROCK	6458132	500664	BDL	89	2	0.1	56	18	250	74	19.5
271934	ROCK	6457944	500636	BDL	858	144	0.3	6	5	50	130	61.1
271935	ROCK	6458317	500466	BDL	144	1	0.2	62	10	200	76	31.1
271936	ROCK	6458285	500399	BDL	158	2	0.2	58	6	250	114	24.6
271937	ROCK	6458417	500226	BDL	21	2	0.1	600	6	400	174	11.4
271938	ROCK	6458328	500208	BDL	9	1	BDL	226	6	350	202	1.3
271939	ROCK	6458376	500189	BDL	9	2	0.2	264	4	250	108	2.4
271940	ROCK	6458215	500216	BDL	16	3	BDL	1100	44	150	442	0.5
271941	ROCK	6458235	500251	BDL	15	1	BDL	334	26	150	154	0.9
271942	ROCK	6457716	500130	BDL	22	9	0.4	18	5	50	128	24.6
271943	ROCK	6457906	499996	BDL	28	12	0.5	20	4	BDL	118	16.4
271944	ROCK	6458996	499107	BDL	24	8	0.9	26	4	50	148	31.4
271945	ROCK	6458937	498842	BDL	7	3	0.1	328	6	250	246	4.2
271946	ROCK	6458618	498500	BDL	665	15	0.4	52	101	50	350	54.5
271947	ROCK	6458169	500294	BDL	17	15	BDL	316	23	100	180	0.8
271948	ROCK	6459799	497401	1.5	982	25	0.6	58	66	50	358	91
271949	ROCK	6460153	497541	BDL	36	3	BDL	1150	9140	150	230	15
271950	ROCK	6460187	497492	1	1500	16	4.6	158	2420	200	80	51.4
272151	ROCK	6460686	496927	BDL	18	1	BDL	18	7	200	24	2.2
272152	ROCK	6460713	496957	BDL	45	1	BDL	32	18	400	52	6.8
272153	ROCK	6460755	496981	0.5	37	1	BDL	16	4	150	18	2.6
272154	ROCK	6460777	496549	BDL	88	9	BDL	46	18	50	142	30.1
272155	ROCK	6460638	496560	BDL	398	70	BDL	106	18	50	74	43.5
272156	ROCK	6460798	496564	BDL	70	3	BDL	42	15	50	144	33.1
272157	ROCK	6460913	496758	BDL	69		BDL	22	14	BDL	62	10.7
272158	ROCK	6461214	496322	BDL	147	10	BDL	38	27	100	140	3.4
272159	ROCK	6461277	496456	BDL	518	13	BDL	36	117	50	160	36.1
272160	ROCK	6463577	494783	BDL	9	2	0.2	76	4	BDL	58	13.5
272161	ROCK	6464151	494310	5	333	403	4.5	6350	40	450	400	9.2
272162	ROCK	6464915	493804	BDL	10	23	BDL	50	3	BDL	56	19.3
272163	ROCK	6464915	493762	BDL	21	16	BDL	72	5	50	58	23.5
272164	ROCK	6464977	493704	BDL	16	4	BDL	14	5	BDL	78	19.8
272165	ROCK	6465361	493452	BDL	23	32	BDL	10	5	BDL	66	25
272166	ROCK	6465580	493339	BDL	2	2	BDL	8		BDL	24	6.6
272167	ROCK	6465557	493342	BDL	19	3	BDL	68	2	BDL	36	21.3
272168	ROCK	6465691	493241	BDL	25	3	BDL	46	3	150	68	30.7
272169	ROCK	6465729	493222	BDL	72	19	0.1	8	2	50	42	15.4
272170	ROCK	6465833	493166	BDL	436	37	0.3	32	7	50	46	182
272171	ROCK	6466405	492858	BDL	191	10	BDL	26	45	150	250	16.2
272172	ROCK	6466472	492823	BDL	17	6	BDL	12	2	450	90	19.8
272173	ROCK	6464507	492808	BDL	23	2	BDL	12	2	BDL	80	24.9
272174	ROCK	6467460	492942	BDL	206	43	0.1	20	10	BDL	104	33.3
272175	ROCK	6467282	492704	BDL	236	87	0.1	18	9	50	58	20.4
272176	ROCK	6466218	493595	BDL	72	6	0.2	24	9	50	22	13
272177	ROCK	6465630	493274	BDL	24	2	BDL	38	3	50	74	30.7
272178	ROCK	6465655	493256	BDL	10	1	BDL	10	3	BDL	36	15.9
272179	ROCK	6465345	493475	BDL	19	14	BDL	4	3	BDL	54	26.5

All assays are reported in ppm except for gold (ppb). Highlighted values illustrate elevated gold, copper and zinc assays

Table 2 Auger soil samples at the Yathella Prospect – Collierina Project

SAMPLE_ID	Site_Type	Northing	Easting	Ag	Ars	Au	Bi	Cu	Pb	S	Zn	Sb
272401	H-AUGER	6458533	500500		7	BDL	0.3	42	16		68	0.96
272402	H-AUGER	6458430	500139		10	13	0.2	403	10		152	3.46
272403	H-AUGER	6458435	500163		9	14	0.2	338	8		106	4.38
272404	H-AUGER	6458440	500187		11	15	0.2	347	8		92	4.42
272405	H-AUGER	6458445	500212		29	16	0.2	332	9		144	18.6
272406	H-AUGER	6458451	500236		15	6	0.2	107	11		60	5.46
272407	H-AUGER	6458456	500261		14	6	0.2	113	11		58	6.02
272408	H-AUGER	6458405	500144		7	6	0.2	105	10		110	2.76
272409	H-AUGER	6458411	500168		5	18	0.1	1330	6		156	5.32
272410	H-AUGER	6458416	500193		7	15	0.2	936	7		142	6.96
272411	H-AUGER	6458421	500217		13	13	0.1	623	8		128	5.1
272412	H-AUGER	6458426	500242		14	8	0.2	93	11		72	3.16
272413	H-AUGER	6458431	500266		11	4	0.2	50	11		50	2.02
272414	H-AUGER	6458330	500032		6	2	0.2	18	11		40	0.68
272415	H-AUGER	6458341	500081		7	3	0.2	42	13		56	0.72
272416	H-AUGER	6458351	500130		5	6	0.1	134	7		90	0.7
272417	H-AUGER	6458356	500154		8	6	0.2	87	5		52	3.44
272418	H-AUGER	6458362	500179		8	7	0.2	95	5		52	3.18
272419	H-AUGER	6458367	500203		8	15	0.2	76	7		62	3.32
272420	H-AUGER	6458372	500228		12	8	0.2	36	6		32	1.98
272421	H-AUGER	6458377	500252		11	8	0.2	31	6		38	1.46
272422	H-AUGER	6458377	500252		14	9	0.2	32	9		38	1.62
272423	H-AUGER	6458383	500277		12	10	0.2	35	10		44	1.94
272424	H-AUGER	6458393	500325		14	3	0.2	35	10		66	2
272425	H-AUGER	6458403	500374		25	8	0.2	64	10		76	5.5
272426	H-AUGER	6458414	500423		21	19	0.1	384	8		146	4.52
272428	H-AUGER	6458424	500472		23	8	0.2	84	9		158	7.14
272429	H-AUGER	6458435	500521		8	2	0.3	28	10		82	1.52
272430	H-AUGER	6458332	500159		5	7	0.1	413	5		76	1.8
272431	H-AUGER	6458334	500287		9	12	0.2	33	6		48	1.52
272432	H-AUGER	6458479	500128		7	3	0.2	103	11		90	2.04
272433	H-AUGER	6458484	500153		18	6	0.2	567	17		304	19.1
272434	H-AUGER	6458490	500177		23	10	0.3	141	14		98	8.66
272435	H-AUGER	6458495	500201		13	8	0.2	224	11		376	4.18
272436	H-AUGER	6458500	500226		16	22	0.2	61	9		68	6.04
272437	H-AUGER	6458505	500250		13	7	0.2	48	12		56	3.84
272438	H-AUGER	6458418	499962		5	2	0.2	14	12		48	0.84
272439	H-AUGER	6458428	500011		5	6	0.2	11	10		32	0.62
272440	H-AUGER	6458439	500060		5	3	0.2	10	11		36	0.64
272441	H-AUGER	6458449	500109		6	3	0.2	124	11		78	1.46
272442	H-AUGER	6458454	500133		9	10	0.2	218	11		88	3.92
272443	H-AUGER	6458459	500158		7	7	0.2	205	10		82	2.62
272444	H-AUGER	6458465	500182		20	11	0.2	125	9		82	10.1
272445	H-AUGER	6458470	500207		19	8	0.2	88	12		90	6.14
272446	H-AUGER	6458475	500231		19	8	0.2	78	13		62	6.2
272447	H-AUGER	6458480	500256		13	9	0.3	64	10		44	4.12
272448	H-AUGER	6458486	500280		10	8	0.2	46	11		46	2.44
272449	H-AUGER	6458491	500305		8	6	0.2	31	12		50	1.44
272450	H-AUGER	6458501	500353		8	8	0.2	20	13		50	1.46
272451	H-AUGER	6458512	500402		9	3	0.2	23	12		58	1.46
272453	H-AUGER	6458522	500451		8	2	0.2	21	11		50	1.34
272454	H-AUGER	6458337	500184		5	12	BDL	228	4		112	2.3
272455	H-AUGER	6458342	500208		8	4	0.2	41	8		50	1.3
272456	H-AUGER	6458348	500233		7	4	0.2	42	8		52	1.32
272457	H-AUGER	6458353	500257		11	10	0.2	28	9		42	1.52
272458	H-AUGER	6458358	500282		10	10	0.2	27	8		36	1.46
272459	H-AUGER	6458283	500170		4	7	BDL	131	6		140	0.36
272460	H-AUGER	6458288	500194		6	16	0.2	96	11		166	0.96
272461	H-AUGER	6458294	500219		3	10	BDL	245	3		236	0.72
272462	H-AUGER	6458299	500243		4	11	0.1	45	8		100	0.84
272463	H-AUGER	6458304	500268		6	9	0.1	46	8		116	0.76
272464	H-AUGER	6458309	500292		6	6	0.2	24	9		74	0.98
272465	H-AUGER	6458381	500149		5	7	0.2	66	9		82	2.06
272466	H-AUGER	6458386	500173		10	16	0.2	81	8		70	2.92
272467	H-AUGER	6458391	500198		10	17	0.2	86	9		74	2.74
272468	H-AUGER	6458397	500222		6	28	0.1	416	6		204	5.08
272469	H-AUGER	6458402	500247		13	10	0.2	47	9		40	1.92
272470	H-AUGER	6458407	500271		13	10	0.2	46	9		42	1.7
272471	H-AUGER	6458308	500165		5	6	0.2	142	9		90	0.8
272472	H-AUGER	6458313	500189		5	8	0.1	62	6		114	0.82
272473	H-AUGER	6458318	500214		5	13	0.1	62	7		116	0.76
272474	H-AUGER	6458323	500238		7	21	0.1	71	6		120	1.44
272475	H-AUGER	6458328	500262		7	10	0.2	25	8		50	1.14

All assays are reported in ppm except for gold (ppb). Highlighted values illustrate elevated gold, copper and zinc assays

JORC Code – Table 1

Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	- Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. - Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. - Aspects of the determination of mineralisation that are Material to the Public Report. - In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised 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.	- The Collierina rockchip sampling was conducted by a geologist targeting zones of prospective float, sub-crop and material from historic pits in the areas of interest. Samples generally represent a 5-20m circumference of grab samples from surface. Auger soils were collected by Helix staff using the companies hydraulic auger soil rig. - The sample locations were located by handheld GPS. - Samples were collected in calico bags or soil bags and transported to the laboratory for assay.
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).	Auger soil sampling using a 100mm spiraled flight to collect material at surface.
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 good with little or loss or return reported in the soil zones sampled.
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.	- All samples are representative of the collection areas. - EOH samples are collected for Logging of lithology, structure, alteration, degree of oxidation, fabric and colour at each location.

Criteria	JORC Code explanation	Commentary
	- Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. - The total length and percentage of the relevant intersections logged.	
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 preparation of the rockchip samples and soil samples follow industry practice. This involves oven drying, pulverization of total sample using LM5 mills until 85% passes 75 micron. QA/QC was undertaken, lab QA/QC was completed - The sample sizes are considered appropriate to the grain size of the material being sampled. Repeatability of check assays was good. The preparation of the diamond core samples follow industry practice. This involves oven drying, pulverization of total sample using LM5 mills until 85% passes 75 micron. - QA/QC was undertaken and lab QA/QC was completed - The sample sizes are considered appropriate to the grain size of the material being sampled. Repeatability of check assays was good.
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.	- All assays were conducted at accredited assay laboratory. The analytical technique used for base metals is a mixed acid digest with a MS collection. Precious metals were assayed via the fire assay method. - Laboratory QA/QC samples involving the use of blanks, duplicates, standards (certified reference materials), replicates as part of in-house procedures.
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.	- Results have been verified by Company management. - Geological data was collected using handwritten log sheets which detailed geology (weathering, structure, alteration, mineralisation), sampling quality and intervals, sample numbers, QA/QC and survey data. This data, together with the assay data received from the laboratory and subsequent survey data were entered into a secure Access databases and verified.
Location of data points	- Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. - Specification of the grid system used. - Quality and adequacy of topographic control.	- The positions were picked-up using GPS, drill collars also. - Grid system is GDA94 Zone 55. - Surface RL data collected using GPS. Topography around the areas is a slight slope grading from Grid North-East to drainage west of the areas. Variation in topography is less than 5m across the

Criteria	JORC Code explanation	Commentary
		sampled area.
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.	• Sampling and mapping were targeting various regional targets. • Rock chip sampling was follow-up sampling • Sampling involved collecting surface samples from areas of interest. •
Orientation of data in relation to geological structure	• Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. • If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	• No orientation bias is considered to affect the results tabled
Sample security	• The measures taken to ensure sample security.	• Chain of Custody is managed by the Company. The samples and core were freighted directly to the laboratory with appropriate documentation listing sample numbers intervals and/or cut, with analytical methods requested.
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	• No additional QA/QC has been conducted for the sampling to date.

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	- Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. - The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	The Collierina Project is on EL6336/ELA5612. Helix has secured the precious and base metal rights, and certain rights to lateritic cobalt and nickel rights under a split commodity agreement with the owners Augur minerals Limited (Now Collierina Cobalt Limited). The tenement is in good standing. There are no known impediments to operating in this area.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Previous modern exploration on the Collierina tenement for copper was limited to historic copper shafts and pits are present in the area, which date back to small scale mining activities in the early 1900's. CRA completed 3 holes at Collierina prior to Helix's involvement
Geology	Deposit type, geological setting and style of mineralisation.	The prospects are considered to be similar to Tritton-style mineralisation and structurally modified VMS systems, similar to the many similar copper systems in the region.
Drill hole Information	- A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: - 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.	Auger soil samples are reported and relate to exploration with all holes and associated samples reported
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.	- Results were reported for rockchips and samples of auger soils completed. - No weighting has been used - No metal equivalent results were reported.
Relationship between mineralisation	- These relationships are particularly important in the reporting of Exploration Results. - If the geometry of the mineralisation with respect to the	The program was designed to assess regional targets for Collierina style copper sulphide deposits

Criteria	JORC Code explanation	Commentary
n widths and intercept lengths	<i>drill hole angle is known, its nature should be reported.</i> <i>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</i>	
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 figure 1 and 2
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>	Refer to Table 1& 2
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>	Previously reported activities Refer to ASX announcements on www.helix.net.au for details
Further work	<i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	Drilling, further mapping and regional geophysics is planned to further assess the potential of the Collierina Trend and the region prospects on the tenement.