



18 September 2014

## **Copper Hill Drilling Update – GCHD471**

- **65 metres at 0.58% copper and 0.44 g/t gold including 9 metres at 1.2% copper and 1.13 g/t Au**
- Confirms higher grades within a broad 305 metre mineralised zone grading 0.33% Cu and 0.25 g/t gold
- GCHD472, on section 5400N, completed at 486 metres contains well-mineralised intervals. Assays are awaited
- GCHD473, to test extensions to the high-grade hole GCHR107, will commence next week using a new, greater capacity, core drilling rig

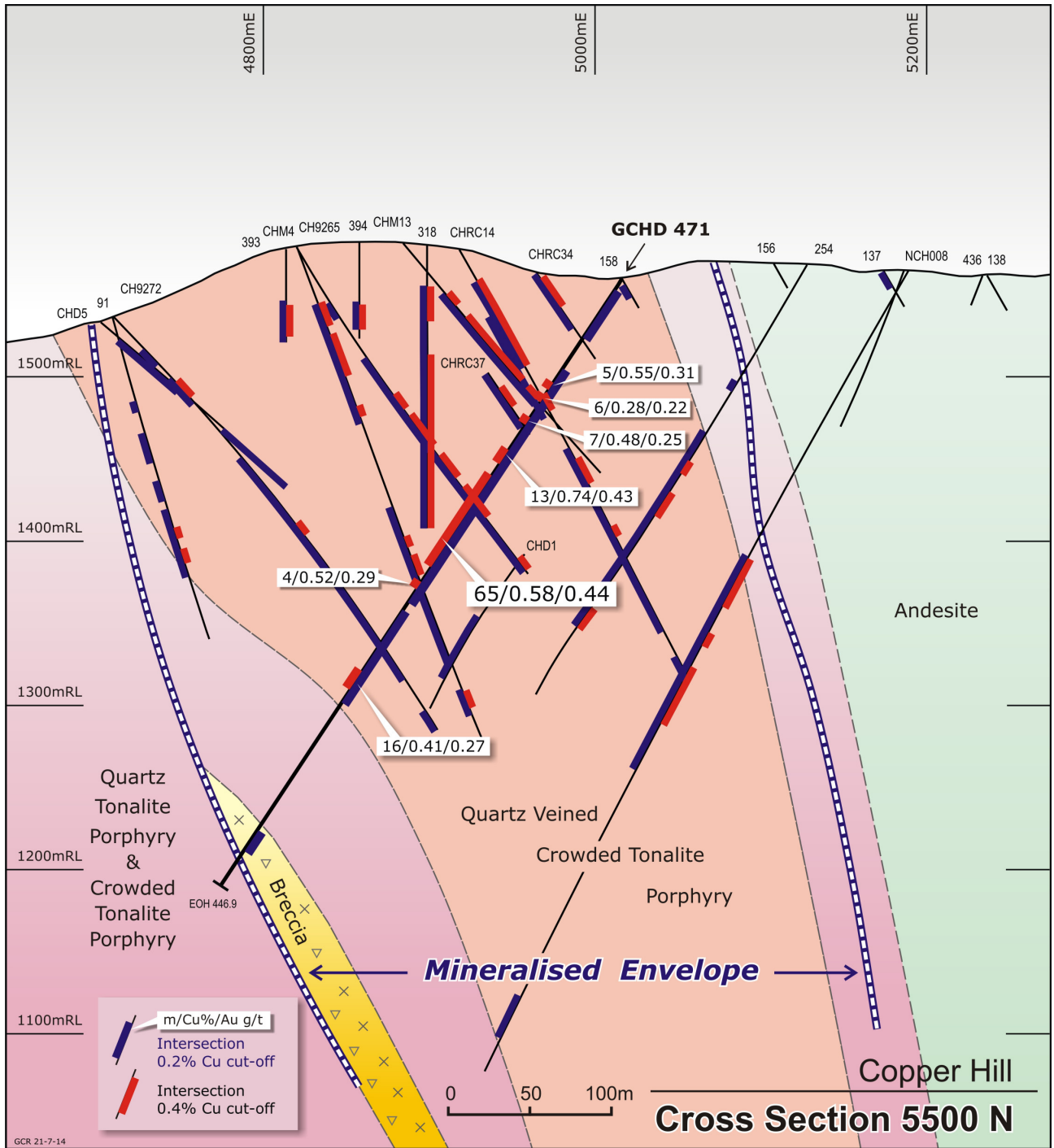
GCHD471 was completed at 446.9 metres returning high copper and gold grades in the central sections of Copper Hill down-dip from previous drilling. The hole targeted depth extensions of high grades in existing, historic holes and confirms and extends the zones between 50 and 100m down-dip.

PQ and HQ core sample assays have been returned from the ALS laboratory in Orange. Results, using a 0.4% copper cut-off grade, are set out below and are tabulated in full at the end of this report:

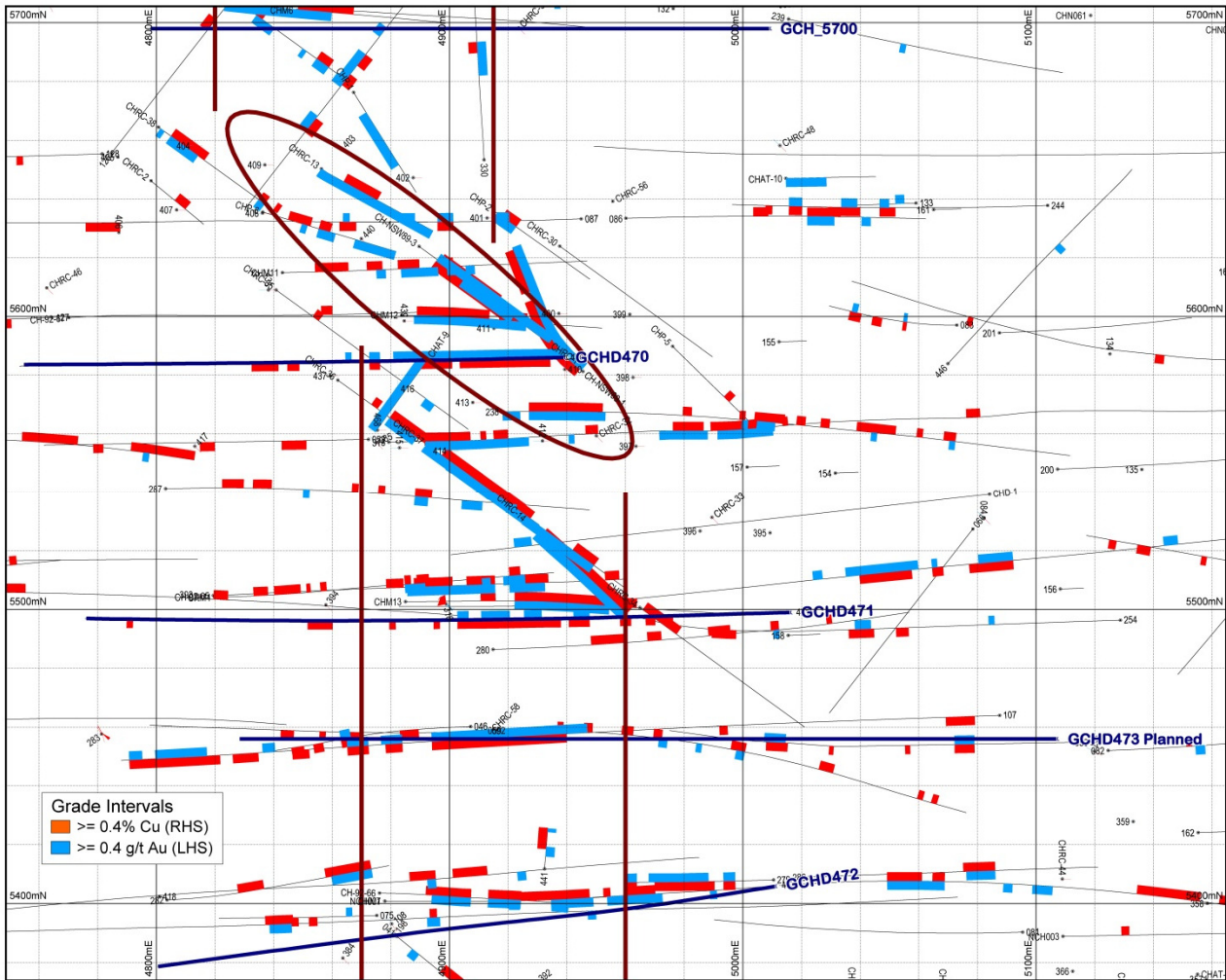
From (m)	To (m)	Interval (m)	Copper %	Gold g/t (ppm)
73	78	5	0.55%	0.31
83	90	6	0.28%	0.22
100	107	7	0.48%	0.25
126	138	13	0.74%	0.43
<b>144</b>	<b>209</b>	<b>65</b>	<b>0.58%</b>	<b>0.44</b>
<b><i>incl. 183</i></b>	<b><i>192</i></b>	<b><i>9</i></b>	<b><i>1.21%</i></b>	<b><i>1.13</i></b>
220	224	4	0.62%	0.29
288	304	16	0.41%	0.27

The porphyry copper-style mineralisation occurs within micro-tonalite and tonalite porphyry as laminated quartz-magnetite vein stockwork with chalcopyrite, pyrite and gold.

The central zone from 144 to 209 metres includes a high grade core of 9 metres grading 1.21% copper, 1.13 g/t gold.



**Section 5500N (looking north) showing hole GCHD471 with previous holes showing intersections at 0.4% copper cut-off in red**



**Plan showing locations/traces of GCHD470, 471, 472 and planned 473.  
 Red lines define two of the dominant Copper Hill lode envelope structural directions and an interpreted NW trending dilatant zone hosting higher grade mineralisation**

GCHD472, 100 metres south of GCHD471, on section 5400N at Central Copper Hill has been completed at 486 metres and contains several well-mineralised intercepts. The current program has been designed to test mineralised zones defined by historic drill-holes and to refine the Copper Hill geology model. The updated geology model will provide more precisely defined constraints for the next mineral resource estimation and ensure compliance with the JORC Code, 2012 Edition.

The program and budget will be reviewed on completion of the current drilling, prior to planning the next phase of drilling to further extend Copper Hill resources.





GCHD471 ANALYTICAL RESULTS: September 2014								Au-AA26 IE-MS61			Cu% Cutoff			INTERCEPT		MS61 -MS61		
Hole ID	From (m)	To (m)	Lgth (m)	Sample ID	Wt (kg)	Recover lgth	Sample type	Comments	Au ppm	Cu ppm	0.2 % 8m	0.3 % 4m	0.4 % 4m	Cu %	Au g/t	Ag ppm	Mo ppm	
GCHD471	140	141	1	A33981	3.4			CUT CORE	0.08	1330							0.7	3
GCHD471	141	142	1	A33982	3.4			CUT CORE	0.14	2730							0.9	6
GCHD471	142	143	1	A33983	3.3			CUT CORE	0.09	1450							0.6	4
GCHD471	143	144	1	A33984	3.8			CUT CORE	0.11	1640							0.9	8
GCHD471	144	145	1	A33985	3.2			CUT CORE	0.17	4180							1.5	5
GCHD471	145	146	1	A33986	3.8			CUT CORE	0.13	1610							0.9	4
GCHD471	146	147	1	A33987	3.9			CUT CORE	0.47	6300							2.5	31
GCHD471	147	148	1	A33988	3.7			CUT CORE	0.25	3810							1.5	4
GCHD471	148	149	1	A33989	3.6			CUT CORE	0.18	4080							1.5	6
GCHD471	149	150	1	A33990	3.2			CUT CORE	0.32	5750							2.5	8
GCHD471	149	150		A33990 R		DUP		At Lab from PULV	0.35	5930							2.5	7
GCHD471	150	151	1	A33991	3			CUT CORE	0.23	3550							1.2	5
GCHD471				A33992		PULP	STD	CH_MG01	2.06	9270							3.9	2
GCHD471	151	152	1	A33993	3.3			CUT CORE	0.17	2700							0.9	7
GCHD471	152	153	1	A33994	3.3			CUT CORE	0.23	3280							0.9	5
GCHD471	153	154	1	A33995	3.5			CUT CORE	0.38	5750							1.2	3
GCHD471	154	155	1	A33996	3.4			CUT CORE	0.34	5630							1.6	15
GCHD471	155	156	1	A33997	3.4			CUT CORE	0.30	6200							1.6	4
GCHD471	156	157	1	A33998	3.5			CUT CORE	0.42	6530							1.9	4
GCHD471	157	158	1	A33999	3.6			CUT CORE	0.51	10550							2.4	8
GCHD471	158	159	1	A34000	3.3			CUT CORE	0.32	6450							1.8	17
GCHD471	159	160	1	A34001	3.7			CUT CORE	0.46	9100							3.2	20
GCHD471	160	161	1	A34002	3.4			CUT CORE	0.19	2960							1.2	5
GCHD471	161	162	1	A34003	3.5			CUT CORE	0.51	4970							1.5	3
GCHD471	162	163	1	A34004	3.7			CUT CORE	1.43	20500							5.9	3
GCHD471	163	164	1	A34005	3.4			CUT CORE	0.92	14800							5.5	23
GCHD471	164	165	1	A34006	4.1			CUT CORE	0.21	3020							1.4	5
GCHD471	165	166	1	A34007	3.6			CUT CORE	0.10	1220							0.5	2
GCHD471	166	167	1	A34008	3.9			CUT CORE	0.67	6010							2.0	4
GCHD471	167	168	1	A34009	4.2			CUT CORE	0.22	1990							1.1	2
GCHD471	168	169	1	A34010	3.9			CUT CORE	0.27	3000							1.1	2
GCHD471	168	169		A34010 R		DUP		At Lab from PULV	0.24	2970							1.1	2
GCHD471				A34011		PULP	STD	CH_HG01	2.21	9490							3.7	2
GCHD471	169	170	1	A34012	3.9			CUT CORE	0.39	4170							1.6	7
GCHD471	170	171	1	A34013	3.9			CUT CORE	0.06	724							0.6	2
GCHD471	171	172	1	A34014	3.8			CUT CORE	0.03	181							0.2	0
GCHD471	172	173	1	A34015	3.9			CUT CORE	0.08	353							0.3	1
GCHD471	173	174	1	A34016	4.2			CUT CORE	0.11	1070							0.7	2
GCHD471	174	175	1	A34017	3.8			CUT CORE	0.35	4390							3.0	4
GCHD471	175	176	1	A34018	4.6			CUT CORE	0.26	2960							2.1	2
GCHD471	176	177	1	A34019	3.1			CUT CORE	0.40	5560							2.3	3
GCHD471	177	178	1	A34020	3.7			CUT CORE	0.60	9320							2.3	12
GCHD471				A34021	3.3		BLANK		-0.01	47.2							0.1	2
GCHD471	178	179	1	A34022	3.4			CUT CORE	0.32	5330							1.5	3
GCHD471	179	180	1	A34023	3.5			CUT CORE	0.25	3450							1.0	3
GCHD471	180	181	1	A34024	3.5			CUT CORE	0.25	3850							1.0	3
GCHD471	181	182	1	A34025	3.4			CUT CORE	0.28	3470							2.3	12
GCHD471	182	183	1	A34026	3.2			CUT CORE	0.55	6730							2.8	2
GCHD471	183	184	1	A34027	3.5			CUT CORE	1.00	14200							4.3	6
GCHD471	184	185	1	A34028	3.5			CUT CORE	0.95	11200							2.8	2
GCHD471	185	186	1	A34029	3.8			CUT CORE	0.47	3970							1.7	2
GCHD471	186	187	1	A34030	3.4			CUT CORE	0.36	4240							1.5	2
GCHD471	186	187		A34030 R		DUP		At Lab from PULV	0.34	4540							1.6	2
GCHD471				A34031		PULP	STD		0.31	2380							1.4	7
GCHD471	187	188	1	A34032	3.4			CUT CORE	1.17	11050							3.0	2
GCHD471	188	189	1	A34033	3.2			CUT CORE	3.17	26300							12.1	10
GCHD471	189	190	1	A34034	3.5			CUT CORE	1.23	13100							5.1	3
GCHD471	190	191	1	A34035	3.4			CUT/RUBBLE	0.86	10400							4.4	2
GCHD471	191	192	1	A34036	4			RUBBLE/CUT	0.95	14450							3.1	5
GCHD471	192	193	1	A34037	3.9			RUBBLE	0.35	4400							1.6	2
GCHD471	193	194	1	A34038	3.5			RUBBLE	0.53	8210							1.7	2
GCHD471	194	195	1	A34039	4.1			RUBBLE	0.27	2940							1.0	5
GCHD471	195	196	1	A34040	3.5			RUBBLE	0.21	2500							0.8	3
GCHD471	196	197	1	A34041	3.8			RUBBLE	0.18	2170							0.8	2
GCHD471	197	198	1	A34042	3.4			RUBBLE	0.22	2450							0.8	2
GCHD471	198	199	1	A34043	3.3			RUBBLE	0.31	4300							1.0	1
GCHD471	199	200	1	A34044	3.7			RUBBLE	0.25	1920							0.8	1
GCHD471				A34045	3.5		BLANK		0.02	64.8							0.0	2

High Grade Zone



GCHD471 ANALYTICAL RESULTS: September 2014								Au-AA26 IE-MS61			Cu% Cutoff			INTERCEPT		MS61 -MS61	
Hole ID	From (m)	To (m)	Lgth (m)	Sample ID	Wt (kg)	Recover lgth	Sample type	Comments	Au ppm	Cu ppm	0.2 % 8m	0.3 % 4m	0.4 % 4m	Cu %	Au g/t	Ag ppm	Mo ppm
GCHD471	280	282	2	A34111	6.6				0.11	3310						1.22	4
GCHD471	282	284	2	A34112	6.9				0.13	1980						1.19	3
GCHD471	284	286	2	A34113	7				0.08	2070						1.10	4
GCHD471	286	288	2	A34114	7.6				0.11	3620						1.53	10
GCHD471	288	290	2	A34115	7				0.18	4310						1.81	14
GCHD471	290	292	2	A34116	8.1				0.26	4510						2.30	7
GCHD471	290	292		A34116 R			DUP	At Lab from PULV	0.29	4660						2.28	6
GCHD471				A34117		PULP	STD	CH_MG01	0.31	2480						1.52	8
GCHD471	292	294	2	A34118	7.1				0.24	3620						1.68	4
GCHD471	294	296	2	A34119	7.5				0.21	2590						1.02	6
GCHD471	296	298	2	A34120	7.2				0.54	4120						1.51	6
GCHD471	298	300	2	A34121	7				0.34	5010						1.91	4
GCHD471	300	302	2	A34122	7				0.16	2850						1.13	5
GCHD471	302	304	2	A34123	7.6				0.30	6070				16m @ 0.41%	0.27	1.88	13
GCHD471	304	306	2	A34124	7.5				0.33	3540						1.04	10
GCHD471	306	308	2	A34125	7.4				0.52	3090				28m @ 0.36%	0.25	1.02	8
GCHD471	308	310	2	A34126	7.4				0.20	2210				62m @ 0.28%	0.21	0.81	20
GCHD471	310	312	2	A34127	7.2				0.04	345	whole zone			305m @ 0.33%	0.23	0.39	7
GCHD471	312	314	2	A34128	7.3				0.03	386						0.40	1
GCHD471				A34129		PULP	STD	CH_LG01	0.04	422						0.35	12
GCHD471	314	316	2	A34130	7				0.02	488						0.26	1
GCHD471	316	318	2	A34131	7.5				0.02	453						0.23	1
GCHD471	318	320	2	A34132	7.1				0.02	324						0.25	1
GCHD471	320	322	2	A34133	6.5				0.02	234						0.25	1
GCHD471	322	324	2	A34134	7				0.01	189						0.22	1
GCHD471	324	326	2	A34135	6.8				0.10	462						0.41	1
GCHD471	326	328	2	A34136	7.1				0.02	313						0.28	1
GCHD471	326	328		A34136 R			DUP	At Lab from PULV	0.01	325						0.26	1
GCHD471	328	330	2	A34137	7				0.02	191						0.27	1
GCHD471			0	A34138	4.6			BLANK	0.01	31						0.05	2
GCHD471	330	332	2	A34139	7.1				0.10	341						0.30	3
GCHD471	332	334	2	A34140	7.4				0.12	166						0.28	2
GCHD471	334	336	2	A34141	7				0.06	581						0.45	1
GCHD471	336	338	2	A34142	6.7				0.06	37						0.07	1
GCHD471	338	340	2	A34143	6.9				0.05	335						0.42	3
GCHD471	340	342	2	A34144	7.2				0.11	216						0.26	1
GCHD471	342	344	2	A34145	6.4				0.02	328						0.29	1
GCHD471	344	346	2	A34146	7.8				0.03	472						0.34	1
GCHD471	346	348	2	A34147	6.7				0.07	156						0.37	1
GCHD471				A34148		PULP	STD	CH_LG01	0.04	418						0.35	11
GCHD471	348	350	2	A34149	6.9				0.03	251						0.31	1
GCHD471	350	352	2	A34150	7.6				0.02	227						0.21	3
GCHD471	352	354	2	A34151	6.8				0.05	345						0.39	2
GCHD471	354	356	2	A34152	7				0.09	627						0.87	3
GCHD471	356	358	2	A34153	7.3				0.02	450						0.35	2
GCHD471	358	360	2	A34154	7.1				0.05	543						0.53	1
GCHD471	360	362	2	A34155	7.8				0.06	598						0.45	1
GCHD471	362	364	2	A34156	7.5				0.02	240						0.29	1
GCHD471	362	364		A34156 R			DUP	At Lab from PULV	0.02	229						0.32	1
GCHD471	364	366	2	A34157	7.7				0.03	336						0.33	1
GCHD471	366	368	2	A34158	6.9				0.03	342						0.31	1
GCHD471	368	370	2	A34159	6.8				0.06	704						0.58	1
GCHD471			0	A34160		PULP	STD	CH_MG01	0.30	2420						1.52	8
GCHD471	370	372	2	A34161	6.4				0.11	957						0.78	2
GCHD471	372	374	2	A34162	7.1				0.03	778						0.48	3
GCHD471	374	376	2	A34163	7.6				0.08	1190						0.83	11
GCHD471	376	378	2	A34164	6.8				0.08	1720						1.07	4
GCHD471	378	380	2	A34165	7				0.04	165						0.29	3
GCHD471	380	382	2	A34166	7.4				0.03	53						0.22	3
GCHD471	382	384	2	A34167	6				0.03	100						0.13	4
GCHD471	384	386	2	A34168	7.9				0.08	590						0.54	9
GCHD471				A34169	3.2			BLANK	-0.01	35						0.03	2
GCHD471	386	388	2	A34170	7.7				0.10	567						0.51	15
GCHD471	388	390	2	A34171	7.5				0.03	251						0.22	3
GCHD471	390	392	2	A34172	6.6				0.03	226						0.24	2
GCHD471	392	394	2	A34173	7.1				0.13	241						0.29	8
GCHD471	394	396	2	A34174	7.6				0.05	191						0.55	3
GCHD471	396	398	2	A34175	7.6				0.05	458						0.40	3
GCHD471	398	400	2	A34176	7.2				0.04	264						0.24	3
GCHD471	398	400		A34176 R			DUP	At Lab from PULV	0.03	269						0.21	3



GCHD471 ANALYTICAL RESULTS: September 2014								Au-AA26 IE-MS61			Cu% Cutoff			INTERCEPT		MS61 -MS61	
Hole ID	From (m)	To (m)	Lgth (m)	Sample ID	Wt (kg)	Recover lgth	Sample type	Comments	Au ppm	Cu ppm	0.2 % 8m	0.3 % 4m	0.4 % 4m	Cu %	Au g/t	Ag ppm	Mo ppm
GCHD471	400	402	2	A34177	7.5				0.01	36						0.03	0
GCHD471	402	404	2	A34178	7				0.13	551						0.41	13
GCHD471	404	406	2	A34179	8				0.02	45						0.07	1
GCHD471	406	408	2	A34180	6.8				0.14	100						0.40	2
GCHD471			0	A34181		PULP	STD	CH_LG01	0.08	422						0.32	11
GCHD471	408	410	2	A34182	7.2				0.11	94						0.21	2
GCHD471	410	412	2	A34183	6.9				0.09	481						0.56	4
GCHD471	412	414	2	A34184	7.4				0.26	2380						1.39	13
GCHD471	414	416	2	A34185	7.3				0.12	2240						1.61	13
GCHD471	416	418	2	A34186	7.1				0.14	5000						1.33	68
GCHD471	418	420	2	A34187	7.6				0.46	7340						1.38	36
GCHD471	420	422	2	A34188	7				0.14	3060						1.34	46
GCHD471	422	424	2	A34189	6.8				0.08	2690				12m @ 0.37%	0.2	1.00	51
GCHD471	424	426	2	A34190	8.6				0.13	1700						0.55	20
GCHD471	426	428	2	A34191	8				0.07	394						0.37	3
GCHD471	428	430	2	A34192	7.8				0.02	111						0.15	3
GCHD471				A34193		PULP	STD	CH_LG01	0.05	432						0.36	12
GCHD471	430	432	2	A34194	7.8				0.08	324						0.41	5
GCHD471	432	434	2	A34195	8.3				0.07	98						0.19	1
GCHD471	434	436	2	A34196	7.2				0.03	139						0.24	1
GCHD471	434	436		A34196 R		DUP		At Lab from PULV	0.04	141						0.23	1
GCHD471	436	438	2	A34197	7.4				0.12	1210						0.97	14
GCHD471	438	440	2	A34198	8.2				0.13	704						0.93	13
GCHD471	440	442	2	A34199	7.2				0.09	67						0.21	1
GCHD471	442	444	2	A34200	7				0.02	77						0.09	0
GCHD471	444	446	2	A34201	7.6				0.04	65						0.15	0
GCHD471	446	446.9	0.9	A34202	3.8				0.21	129						0.52	1

## JORC Compliance Statement

Set out below is Section 1 and Section 2 of Table 1 under the JORC Code, 2012 Edition for GCHD471.

### JORC Table 1

#### Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> <li>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> </ul>	<ul style="list-style-type: none"> <li>Core drilling samples using PQ and HQ -sized core were cut using a diamond saw and half core sent for assay. Broken sections were sampled using best efforts to maintain representative samples. Core losses were recorded and lost core zones given zero grade.</li> </ul>
Drilling techniques	<ul style="list-style-type: none"> <li>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</li> </ul>	<ul style="list-style-type: none"> <li>Core drilling ( PQ &amp; HQ triple tube.)</li> <li>Core orientation using Reflex ACE System</li> </ul>
Drill sample recovery	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>	<ul style="list-style-type: none"> <li>Core recoveries at Copper Hill are generally excellent. However in GCHD471, in the interval 0-9 metres, four one metre intervals reported core losses of between 10% and 70%. Missing core was assigned zero grade and the interval grades adjusted accordingly. There is no indication or evidence that sample bias occurred over this interval</li> </ul>
Logging	<ul style="list-style-type: none"> <li>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or</li> </ul>	<ul style="list-style-type: none"> <li>Logging was carried out at a level commensurate with an advanced exploration/development program with lithologies, mineralisation, alteration, faults, fractures and other geotechnical aspects noted sufficient for mining studies</li> <li>Logging was both qualitative and quantitative. Half core was retained</li> </ul>

Criteria	JORC Code explanation	Commentary
	<p>costean, channel, etc) photography.</p> <ul style="list-style-type: none"> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul style="list-style-type: none"> <li>and all core photographed wet and dry.</li> <li>Hole GCHD471 was logged in detail over its full length.</li> </ul>
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul style="list-style-type: none"> <li>Core – sawn, half core sent for assay, half core retained</li> <li>All necessary steps taken to avoid contamination between samples.</li> <li>Blanks and standards inserted every 20 metres.</li> </ul>
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</li> <li>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</li> </ul>	<ul style="list-style-type: none"> <li>All base metal assays tested after crushing to -80#, multiple acid digest and testing by ALS method ME-MS61 (48 elements, low detection levels). All gold assays by 50g Fire Assay, ALS method Au-AA26</li> <li>Standard samples prepared by a qualified/registered laboratory</li> <li>All samples tested by ALS Orange with internal checks, matching checks with other ALS labs and annual 'round robin' comparisons with competitor labs.</li> <li>Acceptable levels of accuracy and precision have been established</li> </ul>
Verification of sampling and assaying	<ul style="list-style-type: none"> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul style="list-style-type: none"> <li>No independent verification was carried out</li> <li>No twinned holes were drilled</li> <li>Drill logs are hard copy, assays stored as spreadsheets as reported by ALS then matched to drill hole interval and stored digitally</li> <li>Weighted adjustments to assay data in lost core/rubble zones.</li> </ul>
Location of data points	<ul style="list-style-type: none"> <li>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul style="list-style-type: none"> <li>Drill hole collar locations by GPS and DGPS, down-hole Reflex Gyro</li> <li>MGA (GDA) grid system</li> <li>Topographic control adequate for exploration and Inferred, Indicated and Measured Resource calculations</li> </ul>
Data spacing and distribution	<ul style="list-style-type: none"> <li>Data spacing for reporting of Exploration Results.</li> <li>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul style="list-style-type: none"> <li>Sampled at 1 and 2 metre intervals.</li> <li>No compositing was undertaken in GCHD471</li> </ul>
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul>	<ul style="list-style-type: none"> <li>Copper Hill shows typical 'porphyry-style' mineralisation with mineralisation disseminated and veined within porphyry intrusions and in veins and breccias within the adjacent country rock.</li> <li>GCHD471 was drilled to test zones between previous reverse circulation drill holes adjacent to a higher grade dilation zone within the overall Copper Hill igneous complex. The orientation of the mineralised zone is based on the previous drilling results and on structural mapping (Cyprus Minerals) and recent detailed core structural measurements.</li> </ul>
Sample security	<ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>	<ul style="list-style-type: none"> <li>No specific security measures were taken. The ALS Laboratory is 40 kilometres from Copper Hill and GCR's trained staff prepared and transported all samples.</li> </ul>
Audits or reviews	<ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	<ul style="list-style-type: none"> <li>No audits have been carried out specifically on the sampling techniques and data in this report but procedures followed the techniques set out in a report to GCR by Dr Colin Brooks. Internal QA/QC reviews are made for each new drill hole to consider potential problems and an in-house procedure manual sets out all requirements.</li> </ul>

## Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary														
Mineral tenement and land tenure status	<ul style="list-style-type: none"> <li>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</li> <li>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</li> </ul>	<ul style="list-style-type: none"> <li>The Copper Hill – Molong Project is held 100% by GCR under EL6391 (33 units, 95 square kilometres).</li> <li>NSW Trade &amp; Investment's Mineral Exploration Assessment Department has granted renewal of 33 units (100%) to 10<sup>th</sup> March 2016.</li> </ul>														
Exploration done by other parties	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>Since 1960's Anaconda, Amax Australia, Le Nickel, Homestake, Cyprus Minerals, Newcrest and MIM Ltd.</li> </ul>														
Geology	<ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<ul style="list-style-type: none"> <li>Porphyry-style; tonalite–dacite intrusions into andesitic island-arc volcanics with copper-gold in disseminations, sheeted veins, stockworks and breccias</li> </ul>														
Drill hole Information	<ul style="list-style-type: none"> <li>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: <ul style="list-style-type: none"> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>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.</li> </ul>	<table border="1"> <thead> <tr> <th>Hole ID</th> <th>Easting</th> <th>Northing</th> <th>mRL</th> <th>Dip</th> <th>Azi(mag)</th> <th>Depth</th> </tr> </thead> <tbody> <tr> <td>GCHD471</td> <td>674356</td> <td>6341400</td> <td>1,585</td> <td>-65</td> <td>211</td> <td>446.9m</td> </tr> </tbody> </table>	Hole ID	Easting	Northing	mRL	Dip	Azi(mag)	Depth	GCHD471	674356	6341400	1,585	-65	211	446.9m
Hole ID	Easting	Northing	mRL	Dip	Azi(mag)	Depth										
GCHD471	674356	6341400	1,585	-65	211	446.9m										
Data aggregation methods	<ul style="list-style-type: none"> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul style="list-style-type: none"> <li>0.4% copper cut-off grade., with maximum internal dilution of 4m. minimum intercept length 4m. Calculations are weighted to reflect differing sample lengths.</li> </ul>														
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</li> </ul>	<ul style="list-style-type: none"> <li>Mineralised zones are sub-vertical to steeply east dipping in orientation and with a 58 degree inclination the zone has been intersected at 60 degrees and the true width will be approximately 65% of the reported width.</li> </ul>														
Diagrams	<ul style="list-style-type: none"> <li>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</li> </ul>	<ul style="list-style-type: none"> <li>Drill sections, plans and figures are included in the report</li> </ul>														
Balanced reporting	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>All assay results are set out in the table in the report</li> </ul>														
Other substantive exploration data	<ul style="list-style-type: none"> <li>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</li> </ul>	<ul style="list-style-type: none"> <li>Previously reported</li> </ul>														
Further work	<ul style="list-style-type: none"> <li>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	<ul style="list-style-type: none"> <li>This hole is the third in a planned program of 5000 metres of core drilling at Copper Hill. The next four holes will test previously defined zones to support the 2012-JORC requirements for the next Resource Estimate at Copper Hill.</li> </ul>														

**Compliance Statement.** The information in this report that relates to Exploration Results is based on information compiled by Mr. Kim Stanton-Cook, who is a member of the Australian Institute of Geoscientists, is a full-time employee of GCR, and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr. Stanton-Cook consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

Golden Cross Resources  
**Australian Projects**

