

Cygnus confirms nickel prospectivity at Bencubbin North

ASX ANNOUNCEMENT:

8 May 2019

ASX: CY5

CORPORATE DIRECTORY

Non-Executive Chairman

Michael Bohm

Managing Director

James Merrillees

Non-Executive Directors

Amanda Buckingham

Simon Jackson

Oliver Kreuzer

Company Secretary

Michael Naylor

Cygnus Gold Limited

Level 3, 20 Parkland Rd,
Osborne Park, WA 6017

T: +61 8 9489 2680

E: info@cygnusgold.com

W: www.cygnusgold.com

Highlights

- Surface sampling confirms historical Ni anomalies at Bencubbin North
- PGE analyses confirm the prospectivity of the Bencubbin North nickel project for magmatic sulfide mineralisation
- Regionally extensive surface nickel geochemical anomaly with more than 18km strike length confirmed
- Cygnus considers the 70km-long Bencubbin Greenstone to be a prime target for sulfide-hosted nickel-copper mineralisation
- Bencubbin North nickel target has not previously been drilled or tested with electrical geophysics
- Extension and infill surface sampling planned for Q2 2019
- Drilling completed at Stanley targets Kepler and McDougall South; results expected during May and June.

Cygnus Gold (Cygnus or the Company) (ASX:CY5) has received results for the first 353 auger soil samples over the Bencubbin North nickel and base metals prospect within its wholly-owned Bencubbin Project in the Wheatbelt region of Western Australia (Figure 1).

The Bencubbin Project covers more than 70km strike length of Archaean greenstone rocks considered prospective for nickel and base metals deposits.

Cygnus' sampling has confirmed the original nickel auger soil results with a maximum value of 1,895ppm Ni.

A total of 105 samples assayed for PGEs (Pt and Pd) demonstrate elevated levels with maximum values of platinum of 57.6ppb Pt (associated with 18.2ppb Pd) and maximum palladium of 28.7ppb Pd (with 7.4ppb Pt).

Similar levels of extensive PGE anomalism in soils are commonly associated with mineralised nickel sulfide systems elsewhere in the WA Goldfields, and support the presence of magmatic nickel sulfides at Bencubbin.

Cygnus will commence further infill surface sampling on the highest priority targets in the middle of the month. Sampling will also extend to the Bencubbin South tenement to cover extensions of the 70km long Bencubbin Greenstone.

A follow-up drill program will be planned once all results are received. Cygnus will aim to collect fresh rock samples for assaying from underneath the highest priority Ni-Cu-PGE and base metals anomalies.

Cygnus Gold Managing Director James Merrillees said, "We're excited that the soil sampling has confirmed our interpretation of the nickel and base metals prospectivity of the Bencubbin project. We look forward to further sampling and ultimately drill testing these targets over the coming months."

**BENCUBBIN PROJECT (100% CY5)****Bencubbin North nickel-copper**

Bencubbin North is part of the Company's ~675km² Bencubbin Project which includes three granted tenements (E70/4988, Bencubbin, E70/5169, Bencubbin North and E70/5168, Bencubbin South).

The Bencubbin Project is ~220km northeast of Perth, and was pegged to cover the Bencubbin Greenstone, a partially dismembered greenstone sequence extending over 70km of strike, and up to 5km in width (Figure 1).

In November 2018, Cygnus announced the Company's review of historical exploration at Bencubbin North defined a regionally extensive nickel-in-auger geochemical anomaly, representing a high priority target for sulfide-hosted nickel-copper (Ni-Cu) mineralisation, and potentially separate lode gold (Au) mineralisation (refer CY5 ASX announcement 30/11/2018)¹.

The Bencubbin North nickel anomaly is defined by consistent, highly anomalous (up to 1,500ppm) Ni developed over a strike length of ~18km and up to 400m in apparent width, associated with ultramafic rocks within a north-northwest trending Archaean greenstone belt (Figure 2).

Several Cu and Au anomalies are associated with the nickel, with a maximum coincident auger result of 162ppm Cu recorded, and a (separate) maximum Au value of 71ppb Au reported, both within the greenstone sequence (Figure 2).

Historic drilling included five lines of shallow (<40m depth) RAB holes principally in search of gold mineralisation. None of these holes tested the peak nickel anomalism, and none were assayed for Ni, leaving the entire 18km surface multi-element geochemical anomaly effectively untested for nickel deposits.

Importantly, none of the previous samples were assayed for Platinum Group Elements (PGEs). These are considered an important indicator of nickel sulfide mineralisation.

Mandiga base metals (Cu-Pb-Zn-Au-Ag)

In addition to the nickel potential at Bencubbin North, historical exploration along the southwestern margin of the nickel anomaly identified elevated copper, lead (Pb) and zinc (Zn) mineralisation associated with outcropping gossans over 3.3km of strike known as the Mandiga base metal prospect, a VMS-related massive sulphide system.

Drilling at Mandiga by previous explorers included percussion drilling and seven diamond core holes, with best results of (refer Cygnus Gold ASX announcement 30/11/2018)¹:

- 18m @ 0.14% Ni from 32m in Hole DMA4;
- 2m @ 0.63% Pb from 52m in Hole DMA2; *and*
- 2m @ 1.7% Zn from 176m in Hole DMA5.

The Pb-in-auger anomalism extends for a further 1.2km south of the known drilling and was not drill tested in any subsequent work.

2019 surface sampling

The Company has completed the first phase of follow-up soil sampling over the Bencubbin North nickel targets and the Mandiga VMS trend.

The purpose of this program was to:

- i) Resample existing historical lines over the original Ni-Cu anomalies to confirm their potential.
- ii) Analyse samples from selected lines for Platinum Group Elements ("PGE's") platinum (Pt) and palladium (Pd). The presence of elevated PGEs is considered an important indicator of magmatic sulfide prospectivity within ultramafic rock sequences.
- iii) Cygnus' sampling also infilled selected lines to 200m spacing (cf. original spacings of more than 400-800m). This included lines of soils over the Mandiga Trend.

The program comprised 31 lines of auger soil on 200m line spacing and generally 100m sample intervals, across six areas defined by strong historical Ni-in-soil anomalies associated with coincident Cu-in-soil



anomalism (Figure 3 and Table 1).

Cygnus has received analytical results for 353 samples, with results for a further 30 samples still pending (Figure 4).

Eight of these lines were sampled at 50m intervals and assayed for Pt and Pd by Ni sulphide fire assay (total 105 samples), in addition to routine Au and multi-element analyses on every sample.

TABLE1: Priority anomalies Bencubbin North (na = not assayed for PGEs)

Anomaly	Nickel Threshold (ppm)	Peak Ni (ppm)	Peak Cu (ppm)	Pt + Pd (ppb)	Pd:Pt	Length Ni (m)	Width Ni (m)
BN_Ni_1	800	1,895	197	27.9	1.9	1,200	600
BN_Ni_2	300	709	119	16.9	3	850	200
BN_Ni_3	300	784	206	na	na	900	400
BN_Ni_4	300	1,490	77	na	na	900	400
BN_Ni_5	300	1,040	179	25.7	2.2	800	300
BN_Ni_6	300	1,655	210	75.8	0.32	800	400

Discussion of results

Cygnus' sampling has confirmed the original Ni auger soil results with a maximum value of 1,895 ppm Ni. High chromium (Cr) values (maximum value 3,550ppm Cr; 98 percentile 1,596ppm) also confirm the ultramafic nature of the bedrock source to the Ni anomalism.

The 105 samples assayed for PGEs show a range of Pt+Pd from around 5ppb (consistent with background values in komatiitic magmas), through to samples with maximum values of 57.6ppb Pt (18.2 ppb Pd), and maximum Pd of 28.7 ppb with corresponding Pt of 7.4ppb (Figure 5).

These elevated PGEs are considered similar to levels associated with mineralised nickel sulfide systems elsewhere in the WA Goldfields.

Next steps

Cygnus' surface sampling has confirmed the historical auger sampling, both infilling and extending existing Ni-Cu or Cu-Pb-Zn anomalies and outlining significant PGE anomalism consistent with komatiitic rocks with potential for magmatic sulfide mineralisation.

The limited infill sampling completed by Cygnus has been collected on 200m lines. The Company has planned further infill sampling to refine targets for drill testing. This sampling will commence on the highest priority targets in the middle of the month.

Cygnus will also extend sampling to the Bencubbin South tenement to cover extensions of the Bencubbin Greenstone as well as further sampling of the Mandiga Trend.

Cygnus will then plan a follow-up drill program to collect fresh rock samples under the highest priority Ni-Cu PGE and base metals anomalies.

DRILLING UPDATE

The Company's aircore and reverse circulation drilling programs at Stanley (Kepler and McDougall South), and on the Gold Road JVs were successfully completed last week.

All samples from these programs are now at the laboratory with results expected over the coming month.

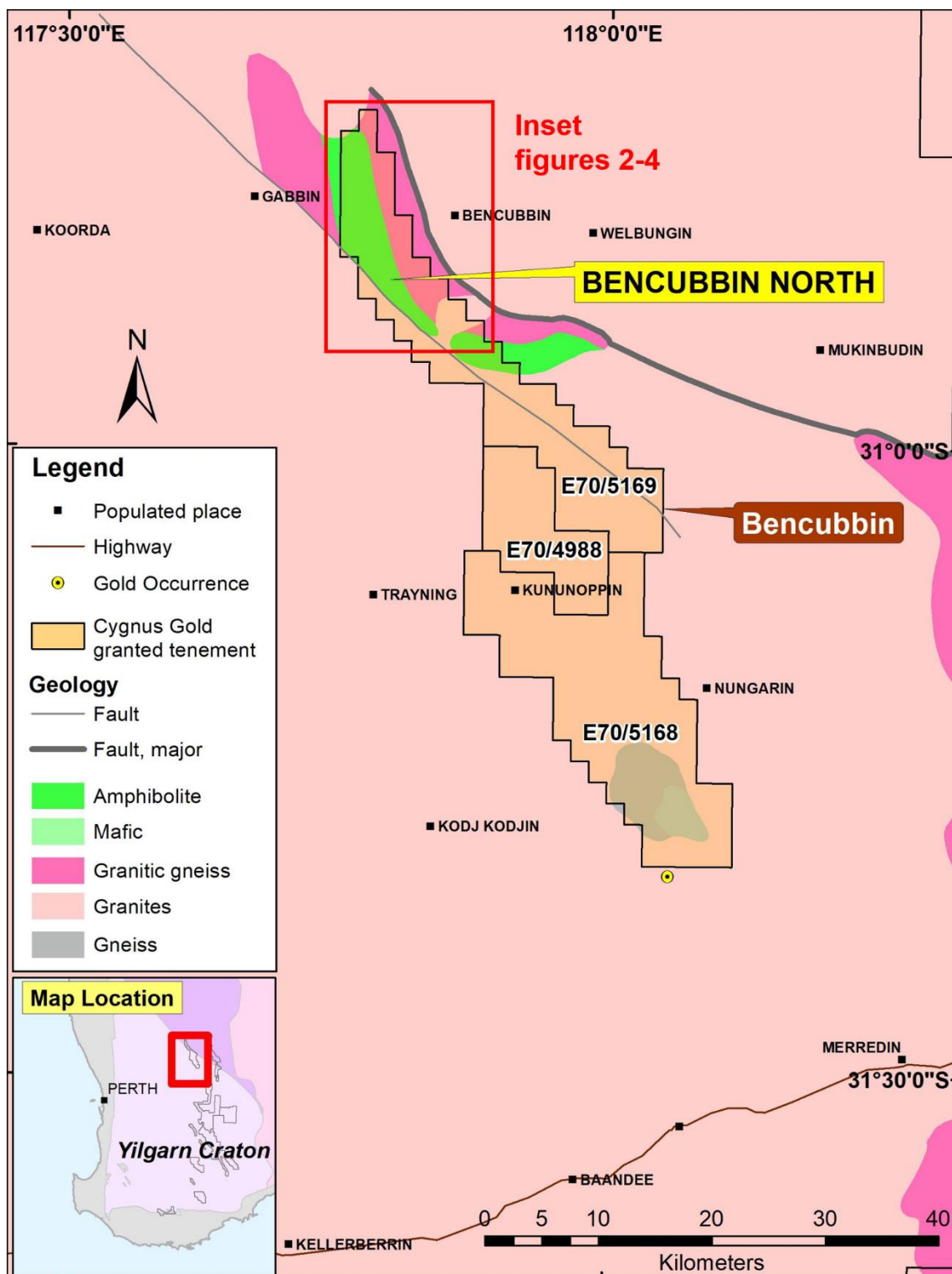


Figure 1: Cygnus Gold's Bencubbin Project Western Australia. Regional geology from 1:500,000 GSWA mapping.

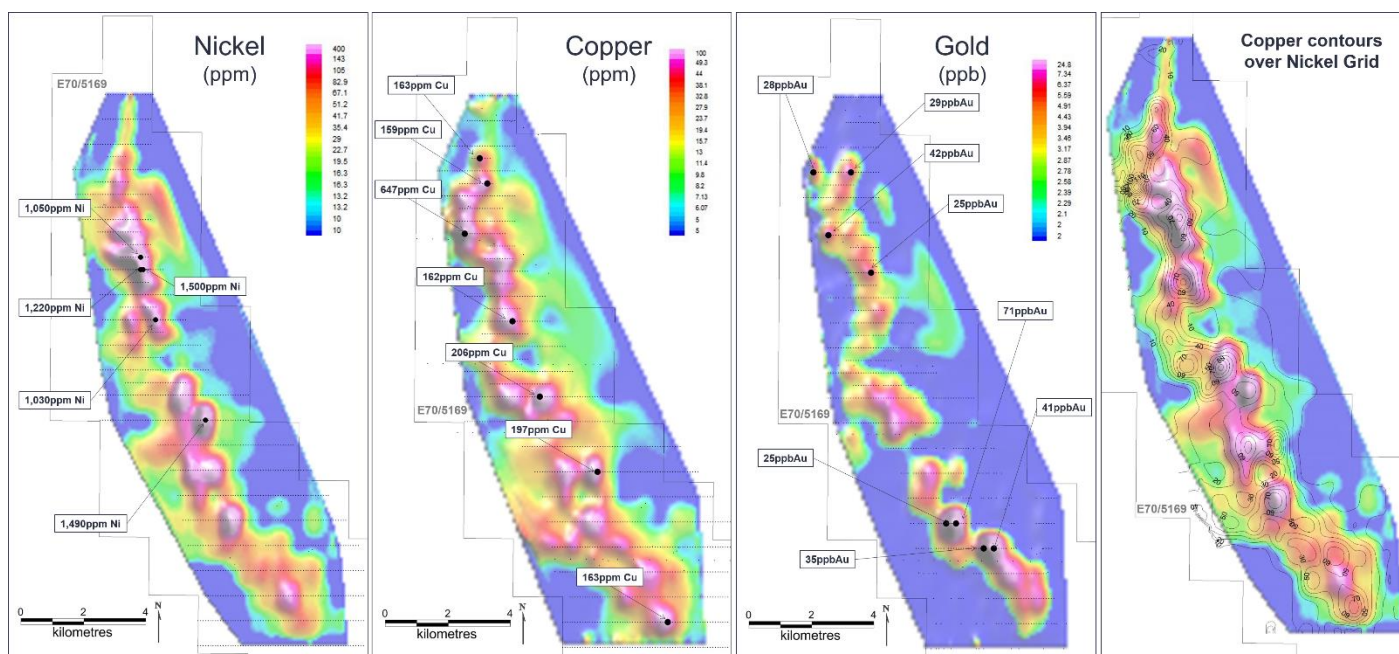


Figure 2: E70/5169 (Bencubbin North);gridded historical soil geochemistry (nickel, copper, gold and copper contours over nickel)

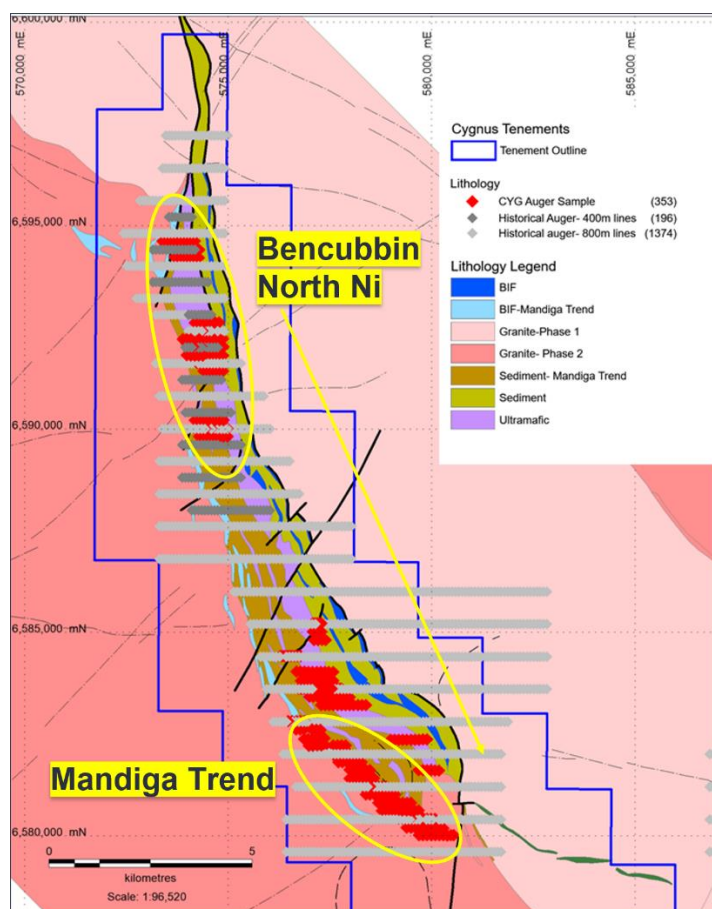


Figure 3: Bencubbin North; Cygnus sampling (this announcement) and historical soils locations. Outline of original Ni-in-soils and Mandiga trends.

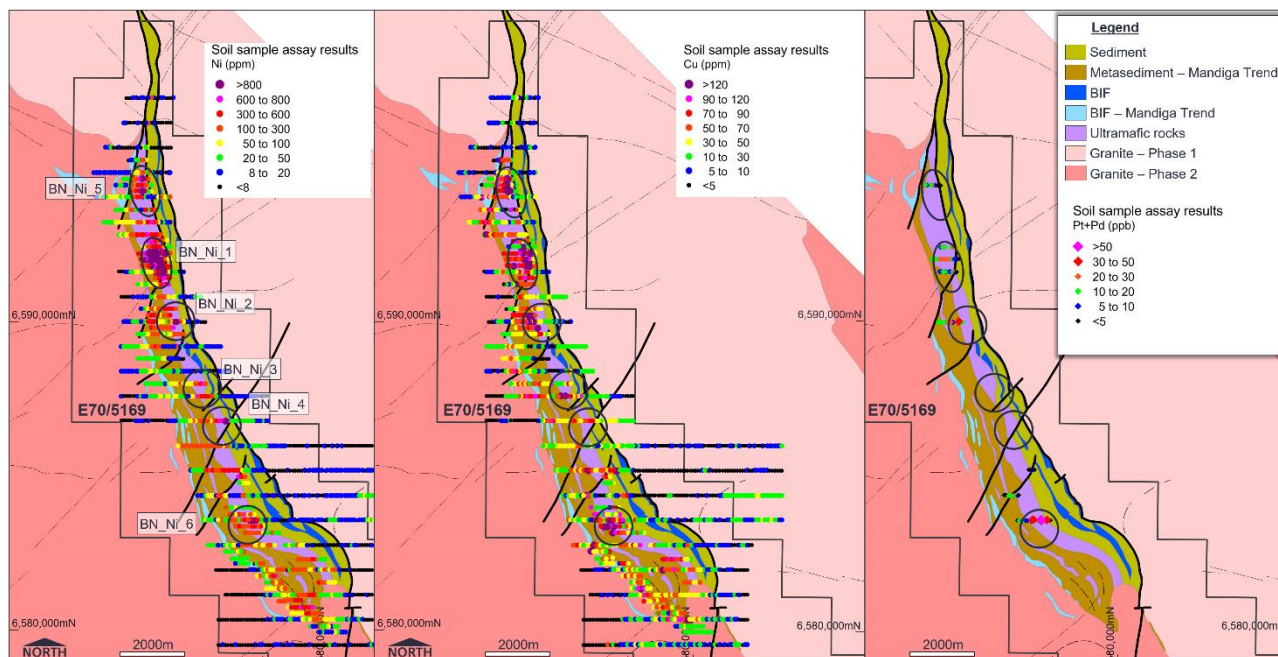


Figure 4: Cygnus priority nickel targets, Bencubbin North

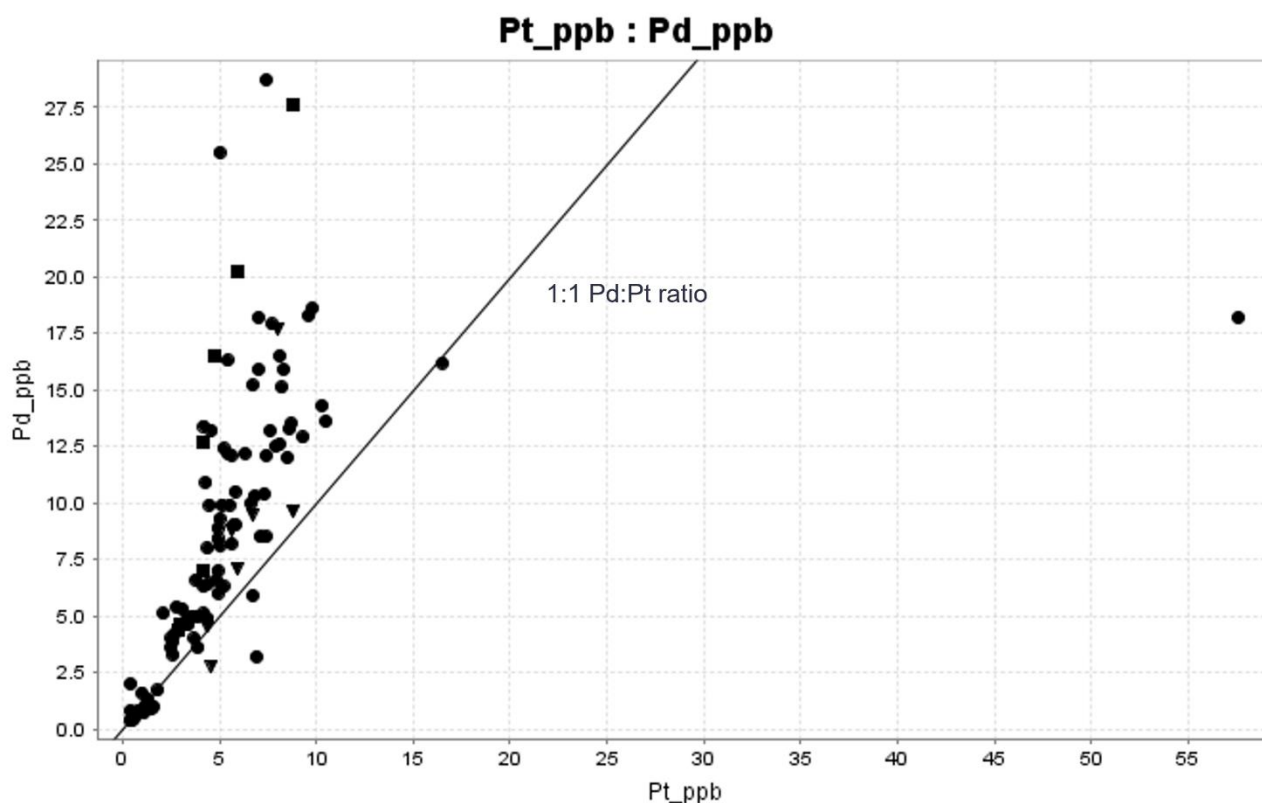


Figure 5: Cygnus' Bencubbin soils Pt plotted against Pd in ppb, with 1:1 trend line (circles - ultramafic hosted anomaly, squares - offset from ultramafic - possible VMS related system, triangles - ultramafic hosted anomaly, possible epigenetic alteration system).



About Cygnus Gold

Cygnus is targeting the discovery of high-grade gold deposits within the Southwest Terrane, in the Wheatbelt region of Western Australia. The Southwest Terrane is a package of high metamorphic grade rocks forming part of the well mineralised Yilgarn Craton.

Cygnus Gold's tenements include both early stage exploration areas through to advanced drill-ready targets, where high-grade gold results were achieved in drilling by previous explorers. In addition to the wholly-owned Projects, Cygnus is managing two significant earn-in agreements with ASX-listed Gold Road Resources, whereby Gold Road is earning into Cygnus' Lake Grace and Waddarin Projects. The Company is also managing exploration on the Yandina Project, in joint venture with Gold Road.

Cygnus' team has considerable technical expertise in targeting and evaluating gold mineralised systems world-wide, using a regional-scale, mineral systems approach to identifying areas prospective for economic mineral deposits.

Competent Persons Statement

The information in this announcement that relates to Exploration Results is based on information and supporting documentation compiled by Mr James Merrillees, a Competent Person who is a member of The Australasian Institute of Mining and Metallurgy. Mr Merrillees is Managing Director and a full-time employee of Cygnus Gold and holds shares in the Company.

Mr Merrillees has sufficient experience relevant to the style of mineralisation under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Merrillees consents to the inclusion in this announcement of the matters based on this information in the form and context in which it appears.

Notes:

1: Refer ASX announcement on the said date for full details of these exploration results. Cygnus is not aware of any new information or data that materially affects the information included in the said announcement.

For further information please visit www.cygnusgold.com or contact:

Cygnus Gold

James Merrillees - Managing Director

T: +61 8 9489 2680

E: info@cygnusgold.com

Investors/Media

Karen Oswald - NWR Communications

T: 0423 602 353

E: karen@nwrcommunications.com.au

Appendix 1

Bencubbin North: Cygnus soil sampling results

[na denotes not assayed for PGEs]

SampleID	EastMGA	NorthMGA	Ni (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Pt (ppb)	Pd (ppb)
W000621	574103	6594601	517	82	36	73	na	na
W000622	574200	6594600	104	23	53	30	na	na
W000623	574052	6594390	613	178	22	142	8.8	9.6
W000624	574102	6594391	490	111	27	92	4.6	2.8
W000625	574152	6594391	208	43	45	43	1.4	1.0
W000626	574202	6594392	57	18	59	21	0.4	0.4
W000627	574252	6594392	64	19	57	24	0.4	0.4
W000628	574302	6594392	37	11	51	15	0.4	2.0
W000629	574298	6594197	54	19	59	28	na	na
W000630	574198	6594199	49	14	52	19	na	na
W000631	574097	6594202	427	143	16	108	na	na
W000632	574003	6594601	1040	222	16	143	na	na
W000633	573903	6594601	697	74	21	76	na	na
W000634	573803	6594602	180	68	17	72	na	na
W000635	573703	6594602	112	93	20	97	na	na
W000636	573603	6594603	44	39	31	29	na	na
W000637	573502	6594603	27	14	20	9	na	na
W000638	573402	6594603	40	18	19	8	na	na
W000639	574002	6594390	422	179	19	112	8.0	17.7
W000640	573952	6594390	525	127	24	84	6.7	9.5
W000641	573902	6594389	761	148	35	97	5.9	7.1
W000642	573852	6594389	436	93	36	81	4.4	4.5
W000643	573801	6594388	304	79	25	59	5.6	8.8
W000644	573751	6594388	180	83	26	65	5.7	9.0
W000645	573701	6594387	108	106	17	78	9.8	18.6
W000646	573697	6594214	107	75	14	72	na	na
W000647	573797	6594211	376	82	26	81	na	na
W000648	573897	6594208	423	79	35	77	na	na
W000649	573997	6594205	830	147	25	96	na	na
W000650	574301	6589804	305	47	40	71	na	na
W000651	574401	6589804	212	61	53	79	na	na
W000652	574501	6589803	246	67	53	85	na	na
W000653	574601	6589803	177	64	46	95	na	na
W000654	574701	6589803	194	84	56	145	na	na
W000655	574801	6589803	189	56	72	82	na	na
W000656	574902	6589803	299	103	166	302	na	na
W000657	574996	6589803	709	129	60	156	na	na
W000658	575000	6590000	429	64	33	77	4.9	6.0
W000659	574951	6590000	512	119	52	142	4.2	7.0
W000660	574901	6590000	160	106	78	80	4.2	12.7
W000661	574851	6590000	162	128	141	267	8.8	27.6
W000662	574801	6590000	70	67	71	121	5.9	20.2

SampleID	EastMGA	NorthMGA	Ni (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Pt (ppb)	Pd (ppb)
W000663	574751	6590000	93	71	45	124	4.7	16.5
W000664	574701	6590000	105	164	107	198	3.0	4.6
W000665	574651	6590000	93	119	23	198	2.9	4.4
W000666	574601	6590000	111	115	15	129	9.3	12.9
W000667	574551	6590000	100	58	10	95	7.0	18.2
W000668	574500	6590000	147	73	14	98	7.7	17.9
W000669	574450	6590000	365	84	19	113	7.0	15.9
W000670	574400	6590000	479	94	20	105	6.3	12.2
W000671	574350	6590000	525	71	14	88	5.4	12.2
W000672	574300	6590000	476	64	15	67	5.0	9.3
W000673	574250	6590000	406	60	15	67	4.2	6.3
W000674	574200	6590000	408	49	15	61	4.6	13.2
W000675	574199	6590202	229	88	42	73	na	na
W000676	574299	6590202	418	85	34	121	na	na
W000677	574399	6590202	300	85	18	157	na	na
W000678	574499	6590202	101	80	16	131	na	na
W000679	574599	6590202	92	80	15	153	na	na
W000680	574700	6590202	175	138	137	285	na	na
W000682	574800	6590202	210	172	67	176	na	na
W000683	574900	6590202	415	61	15	68	na	na
W000684	574415	6591403	179	78	33	112	na	na
W000685	574515	6591404	561	111	36	126	na	na
W000686	574616	6591406	1015	93	35	88	na	na
W000687	574716	6591407	788	85	50	91	na	na
W000688	574816	6591408	458	78	53	89	na	na
W000689	574895	6591409	142	41	36	47	na	na
W000690	574253	6591604	93	40	29	73	2.1	5.1
W000691	574303	6591603	123	66	45	91	2.5	3.6
W000692	574353	6591602	166	112	100	104	4.5	9.9
W000694	574403	6591601	530	88	46	144	4.4	8.0
W000695	574453	6591599	530	88	46	144	3.4	4.6
W000696	574503	6591598	858	67	14	76	4.9	7.0
W000697	574553	6591597	332	116	11	60	3.1	5.3
W000698	574603	6591596	1165	101	17	75	4.4	4.9
W000699	574653	6591595	1895	110	22	82	5.2	12.4
W000700	574703	6591593	1085	85	19	62	10.3	14.3
W000701	574753	6591592	1110	106	16	78	3.9	3.6
W000702	574800	6591591	822	88	62	92	1.8	1.7
W000703	574891	6591787	446	69	41	70	na	na
W000704	574798	6591787	319	56	32	66	na	na
W000706	574698	6591788	544	142	25	95	na	na
W000707	574598	6591789	1285	137	22	97	na	na
W000708	574497	6591790	813	87	13	54	na	na
W000709	574397	6591791	791	90	15	51	na	na
W000710	574297	6591792	1345	120	22	95	na	na
W000711	574197	6591793	577	136	48	111	na	na
W000712	574097	6591794	216	87	41	85	na	na

SampleID	EastMGA	NorthMGA	Ni (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Pt (ppb)	Pd (ppb)
W000713	573997	6591795	142	70	38	104	na	na
W000714	574005	6592004	721	104	23	85	4.9	8.4
W000715	574055	6592004	737	94	21	78	4.9	8.9
W000716	574105	6592004	969	102	23	74	5.0	8.1
W000717	574156	6592004	1065	99	22	72	5.6	8.2
W000718	574206	6592005	995	87	20	68	6.8	10.3
W000719	574256	6592005	986	86	18	63	7.6	13.2
W000720	574306	6592005	894	77	16	60	7.9	12.5
W000721	574356	6592005	842	81	17	58	8.1	12.6
W000722	574406	6592006	709	75	14	48	8.2	15.1
W000723	574456	6592006	854	82	16	61	8.7	13.5
W000724	574506	6592006	716	82	14	48	9.6	18.3
W000726	574556	6592006	1245	131	25	99	8.5	12.0
W000727	574606	6592007	1245	131	25	99	8.3	15.9
W000728	574656	6592007	1285	143	26	103	6.6	10.0
W000729	574706	6592007	966	128	29	101	3.9	5.0
W000730	574757	6592007	725	134	36	121	2.6	3.3
W000731	574807	6592007	344	143	37	115	3.3	4.8
W000732	574857	6592008	157	110	31	58	1.0	1.6
W000733	574895	6592199	111	39	40	38	na	na
W000734	574907	6592008	55	19	42	21	0.4	0.8
W000735	574803	6592198	191	109	29	82	na	na
W000736	574702	6592197	1000	155	33	146	na	na
W000737	574602	6592196	407	74	26	91	na	na
W000738	574502	6592196	1635	197	24	77	na	na
W000739	574402	6592195	1445	107	43	104	na	na
W000740	574001	6592191	496	63	35	55	na	na
W000741	574101	6592192	698	80	34	60	na	na
W000742	574202	6592193	1030	83	30	57	na	na
W000743	574302	6592194	1255	90	20	70	na	na
W000744	573901	6592190	312	79	41	82	na	na
W000746	574280	6592400	914	90	29	74	3.7	4.0
W000747	574330	6592399	1100	100	24	96	5.2	6.3
W000748	574380	6592399	764	83	16	71	8.1	16.5
W000749	574430	6592398	1040	121	27	141	7.3	10.4
W000750	574196	6592596	669	71	25	49	na	na
W000751	574296	6592597	689	93	32	63	na	na
W000752	574396	6592598	444	67	40	61	na	na
W000753	574496	6592600	285	36	49	65	na	na
W000754	574597	6592601	587	52	45	81	na	na
W000755	574697	6592602	181	58	52	66	na	na
W000756	574631	6592396	916	94	21	92	7.4	12.1
W000757	574681	6592396	622	70	15	71	8.6	13.3
W000758	574791	6592603	58	22	81	30	na	na
W000759	579007	6582344	163	80	24	81	na	na
W000760	579107	6582345	152	84	30	80	na	na
W000761	579207	6582346	210	104	60	80	na	na

SampleID	EastMGA	NorthMGA	Ni (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Pt (ppb)	Pd (ppb)
W000762	579307	6582348	163	77	33	72	na	na
W000763	579407	6582349	183	91	19	55	na	na
W000764	579508	6582350	550	56	29	76	na	na
W000765	579608	6582351	247	85	21	66	na	na
W000766	579708	6582353	34	39	41	28	na	na
W000767	579808	6582354	26	36	51	25	na	na
W000768	579902	6582355	27	26	40	31	na	na
W000769	579700	6581602	339	53	51	77	na	na
W000770	579800	6581601	261	53	52	67	na	na
W000771	579901	6581600	226	62	56	64	na	na
W000772	580001	6581599	82	47	60	39	na	na
W000773	580101	6581598	88	44	65	39	na	na
W000774	580201	6581597	89	54	84	40	na	na
W000775	580557	6580001	17	18	59	24	na	na
W000776	580490	6580003	10	12	53	13	na	na
W000777	580407	6579999	11	10	70	16	na	na
W000778	580307	6580000	23	11	71	15	na	na
W000779	580207	6580001	63	26	57	35	na	na
W000781	580107	6580002	18	17	42	18	na	na
W000782	580007	6580003	14	17	46	15	na	na
W000783	579907	6580004	10	15	40	14	na	na
W000784	579806	6580006	42	11	40	16	na	na
W000785	579706	6580007	19	24	38	30	na	na
W000786	578799	6580606	54	23	50	34	na	na
W000787	578899	6580606	52	56	92	59	na	na
W000788	578999	6580607	83	27	60	50	na	na
W000789	579099	6580607	63	22	48	35	na	na
W000790	579200	6580608	51	9	49	24	na	na
W000791	579300	6580608	376	52	51	88	na	na
W000792	579400	6580609	318	26	55	63	na	na
W000793	579500	6580609	257	34	83	86	na	na
W000794	579600	6580610	223	68	51	110	na	na
W000795	579698	6580610	148	64	132	75	na	na
W000796	580097	6580410	150	76	131	101	na	na
W000797	580004	6580411	259	98	142	156	na	na
W000798	579904	6580411	183	128	201	208	na	na
W000799	579804	6580412	253	191	273	201	na	na
W000801	579703	6580412	174	105	175	173	na	na
W000802	579603	6580413	184	98	226	198	na	na
W000803	579503	6580413	215	98	119	182	na	na
W000804	579403	6580414	65	44	111	73	na	na
W000805	579303	6580414	67	40	97	85	na	na
W000806	579203	6580415	70	107	237	281	na	na
W000807	579407	6580189	25	7	55	21	na	na
W000808	579507	6580188	9	9	44	13	na	na
W000809	579607	6580186	18	12	59	28	na	na
W000810	579707	6580185	252	36	68	53	na	na

SampleID	EastMGA	NorthMGA	Ni (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Pt (ppb)	Pd (ppb)
W000811	579807	6580183	22	12	44	34	na	na
W000812	579908	6580182	23	13	51	17	na	na
W000813	580008	6580180	53	21	49	27	na	na
W000814	580108	6580179	15	12	72	17	na	na
W000815	580208	6580177	35	18	75	23	na	na
W000816	580306	6580176	25	12	48	12	na	na
W000817	577603	6582207	4	9	50	2	na	na
W000818	577703	6582207	48	76	85	95	na	na
W000819	577803	6582208	133	78	80	185	na	na
W000821	577900	6582208	186	40	71	76	na	na
W000822	577598	6581988	50	110	39	54	na	na
W000823	577701	6582000	21	18	64	22	na	na
W000824	577801	6582000	41	51	441	104	na	na
W000825	577901	6582000	101	91	174	215	na	na
W000826	577722	6581798	50	34	70	33	na	na
W000827	577823	6581799	104	71	108	133	na	na
W000828	577924	6581815	33	30	104	39	na	na
W000829	578023	6581799	98	68	112	176	na	na
W000830	578001	6582000	181	57	50	84	na	na
W000831	578005	6581608	44	15	85	22	na	na
W000832	578123	6581799	273	47	22	124	na	na
W000833	578223	6581800	482	59	14	84	na	na
W000834	578300	6581800	709	58	13	94	na	na
W000835	578105	6581607	39	30	99	44	na	na
W000836	578205	6581607	167	55	31	140	na	na
W000837	578305	6581606	95	66	21	86	na	na
W000838	578405	6581605	215	38	26	65	na	na
W000839	578505	6581604	121	12	60	30	na	na
W000841	578004	6581401	75	31	43	38	na	na
W000842	578104	6581401	53	30	77	58	na	na
W000843	578204	6581401	75	115	116	127	na	na
W000844	578304	6581402	86	137	79	121	na	na
W000845	578405	6581402	117	97	70	133	na	na
W000846	578505	6581402	91	33	49	59	na	na
W000847	578599	6581403	268	34	26	69	na	na
W000848	578304	6581205	58	56	49	70	na	na
W000849	578404	6581205	106	80	82	101	na	na
W000850	578504	6581205	92	113	63	156	na	na
W000851	578604	6581205	122	76	68	178	na	na
W000852	578705	6581205	109	74	42	167	na	na
W000853	578805	6581205	59	56	32	124	na	na
W000854	578899	6581205	95	69	49	159	na	na
W000855	578905	6581008	331	55	38	142	na	na
W000856	578804	6581008	202	45	37	125	na	na
W000857	578704	6581007	182	57	37	108	na	na
W000858	578604	6581007	244	35	32	88	na	na
W000859	578504	6581006	125	48	80	94	na	na

SampleID	EastMGA	NorthMGA	Ni (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Pt (ppb)	Pd (ppb)
W000861	578404	6581005	106	72	58	95	na	na
W000862	578708	6580797	96	30	55	56	na	na
W000863	578808	6580797	426	54	42	100	na	na
W000864	578908	6580797	369	44	39	120	na	na
W000865	579005	6581009	465	61	66	122	na	na
W000866	579105	6581010	533	56	41	118	na	na
W000867	579008	6580797	351	90	69	132	na	na
W000868	579108	6580797	617	68	55	199	na	na
W000869	579209	6580797	392	66	49	151	na	na
W000870	579309	6580797	380	31	35	89	na	na
W000871	579409	6580797	585	29	48	91	na	na
W000872	579509	6580797	739	65	40	88	na	na
W000873	576879	6582364	22	16	50	16	na	na
W000874	576979	6582368	22	23	66	23	na	na
W000875	577079	6582371	39	55	52	59	na	na
W000876	577179	6582375	22	36	82	38	na	na
W000877	577279	6582379	40	66	72	64	na	na
W000878	577379	6582383	40	35	78	50	na	na
W000879	577403	6582207	21	31	101	35	na	na
W000881	577303	6582206	23	38	52	36	na	na
W000882	577202	6582206	20	34	218	41	na	na
W000883	577102	6582206	22	38	74	28	na	na
W000884	577002	6582205	12	11	52	12	na	na
W000885	576683	6582605	41	130	38	73	na	na
W000886	576783	6582603	28	48	41	48	na	na
W000887	576884	6582601	40	49	37	61	na	na
W000888	576894	6582807	43	37	101	51	na	na
W000889	576794	6582807	66	225	45	161	na	na
W000890	576694	6582807	82	96	23	80	na	na
W000891	576593	6582807	39	44	62	56	na	na
W000892	576493	6582807	59	79	98	98	na	na
W000893	576752	6583600	164	17	42	64	1.5	0.9
W000894	576810	6583600	158	98	17	136	5.8	9.0
W000895	576860	6583600	127	90	16	116	5.1	9.9
W000896	576910	6583600	146	95	21	126	2.7	4.2
W000897	576960	6583600	205	86	26	127	3.8	6.6
W000898	577001	6583800	56	23	46	24	na	na
W000899	576901	6583800	147	108	71	104	na	na
W000901	576801	6583800	166	110	25	124	na	na
W000902	576993	6584019	55	23	98	28	na	na
W000903	576893	6584020	47	12	62	16	na	na
W000904	576793	6584022	49	20	57	29	na	na
W000905	576693	6584023	227	107	44	144	na	na
W000906	576302	6584405	79	17	39	27	1.2	1.0
W000907	576352	6584405	66	12	45	26	0.6	0.6
W000908	576402	6584405	194	24	40	81	1.1	0.7
W000909	576452	6584405	485	61	22	98	6.9	3.2

SampleID	EastMGA	NorthMGA	Ni (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Pt (ppb)	Pd (ppb)
W000910	576503	6584405	653	92	29	139	6.7	5.9
W000911	576553	6584405	404	161	29	230	4.4	6.4
W000912	576603	6584405	233	161	52	181	5.5	9.9
W000913	576653	6584405	216	89	91	136	6.7	15.2
W000914	576703	6584405	90	59	153	56	4.2	13.4
W000915	576753	6584405	62	42	179	42	3.6	5.0
W000916	576803	6584405	38	11	74	20	0.5	0.4
W000917	577084	6582598	54	48	44	69	na	na
W000918	577184	6582596	33	29	38	50	na	na
W000919	577284	6582595	102	70	84	135	na	na
W000921	577194	6582807	226	47	26	109	na	na
W000922	577094	6582807	37	17	44	22	na	na
W000923	577301	6583202	144	70	19	103	na	na
W000924	577401	6583201	271	182	30	154	na	na
W000925	577501	6583201	125	100	34	57	na	na
W000926	577514	6583401	424	109	25	168	na	na
W000927	577414	6583402	257	210	20	147	na	na
W000928	577314	6583402	103	97	48	52	na	na
W000929	577213	6583402	149	182	39	86	na	na
W000930	577113	6583403	404	130	35	180	na	na
W000931	577013	6583403	197	80	25	140	na	na
W000932	577602	6583201	194	77	38	80	na	na
W000933	577702	6583201	207	61	23	66	na	na
W000934	577802	6583200	185	69	21	64	na	na
W000935	577902	6583200	69	34	26	25	na	na
W000936	578002	6583200	38	18	32	27	na	na
W000937	578003	6583400	25	13	43	26	na	na
W000938	577915	6583400	67	32	52	27	na	na
W000939	577814	6583401	450	65	35	76	na	na
W000941	577714	6583401	116	28	42	28	na	na
W000942	577614	6583401	428	73	31	80	na	na
W000943	578102	6583200	44	21	37	26	na	na
W000944	578203	6583199	110	53	39	50	na	na
W000945	578303	6583199	26	20	38	21	na	na
W000946	578400	6583199	25	31	41	21	na	na
W000947	577800	6583600	120	61	43	32	0.6	0.5
W000948	577762	6583600	242	91	48	40	1.3	1.3
W000949	577712	6583600	335	196	22	69	16.5	16.2
W000950	577662	6583600	1655	175	23	195	10.5	13.6
W000951	577611	6583600	1260	124	32	145	7.4	8.5
W000952	577602	6583800	55	112	75	21	na	na
W000953	577561	6583600	749	59	26	75	7.1	8.5
W000954	577511	6583600	812	65	15	57	57.6	18.2
W000955	577461	6583600	704	74	25	71	4.8	6.6
W000956	577411	6583600	476	83	32	93	4.3	10.9
W000957	577361	6583600	442	126	52	149	5.6	12.1
W000958	577311	6583600	501	137	39	191	5.8	10.5

SampleID	EastMGA	NorthMGA	Ni (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Pt (ppb)	Pd (ppb)
W000959	577261	6583600	287	135	22	164	7.4	28.7
W000961	577211	6583600	126	86	23	82	5.0	25.5
W000962	577161	6583600	89	49	45	49	2.8	5.4
W000963	577111	6583600	59	56	42	41	5.4	16.3
W000964	577061	6583600	88	60	49	45	2.5	4.0
W000965	577010	6583600	135	71	47	66	2.6	3.9
W000966	577101	6583800	315	90	62	118	na	na
W000967	577201	6583800	236	41	72	59	na	na
W000968	577301	6583800	627	41	35	45	na	na
W000969	577402	6583800	99	15	63	16	na	na
W000970	577502	6583800	199	45	59	26	na	na
W000971	577594	6584010	41	50	44	15	na	na
W000972	577494	6584012	31	65	47	14	na	na
W000973	577394	6584013	36	57	95	21	na	na
W000974	577294	6584014	42	8	65	12	na	na
W000975	577194	6584016	44	11	77	11	na	na
W000976	577094	6584017	46	10	85	11	na	na
W000977	577409	6584796	55	37	44	37	na	na
W000978	577325	6584797	56	20	44	16	na	na
W000979	577225	6584798	69	18	74	13	na	na
W000981	577125	6584799	42	17	48	13	na	na
W000982	577103	6585001	617	69	25	57	na	na
W000983	577203	6585000	591	79	22	52	na	na
W000984	577303	6585000	131	37	66	32	na	na
W000985	577304	6585211	80	79	52	51	0.8	0.8
W000986	577253	6585211	105	85	49	62	1.5	1.0
W000987	577203	6585211	358	103	38	110	4.2	5.1
W000988	577153	6585211	417	85	47	79	1.6	1.0
W000989	577103	6585211	350	54	28	47	1.2	1.1

APPENDIX 2: JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data – Soil Sampling

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	<i>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</i>	Soil samples were collected using a hand-held 90mm auger, with the sampling depth ranging from ~30cm to 70cm. Samples were brought to the surface using the auger spiral and collected on a polyweave bag. The samples were photographed, geologically logged and placed into pre-numbered calico bags. Calicos were then sealed inside polyweave bags for transportation to the laboratory.
	<i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i>	Sampling including QAQC was done under Cygnus Gold's standard procedures. The laboratory also applied their own internal QAQC protocols. See further details below.
	<i>Aspects of the determination of mineralisation that are Material to the Public Report.</i> <i>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.</i>	All samples are pulverised at the lab to 85% passing -75µm to produce a 50g charge for Aqua Regia digest with an ICP-MS finish for Au. Multi-element analysis was also carried out using a 4-acid digestion with ICP-AES and ICP-MS finish. Select samples were analysed for super trace level Platinum Group Metals (Pt & Pd) and Au via the PGM-MS23L method, which comprises standard lead oxide collection fire assay with an ICP-MS finish. For base metals that return values above the upper detection limit, the over limit method OG62 is used which comprises a four-acid digest with an ICP-AES finish. Samples were analysed by ALS Laboratories in Perth.
Drilling techniques	<i>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).</i>	No drilling results are reported in this announcement.
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i> <i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i>	No drilling results are reported in this announcement.

Criteria	JORC Code explanation	Commentary
	<i>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</i>	
Logging	<i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i>	No drilling results are reported in this announcement.
	<i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i>	No drilling results are reported in this announcement.
	<i>The total length and percentage of the relevant intersections logged.</i>	No drilling results are reported in this announcement.
Sub-sampling techniques and sample preparation	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	<p>All samples were prepared at the ALS Laboratory in Perth. Samples were dried and pulverised to 85% passing 75µm and a sub sample of up to 200g retained. A nominal 50g charge was used for Au and multi-element analysis. The procedure is industry standard for this type of sample and analysis.</p> <p>Duplicate samples were collected at a rate of 1 in 40 samples.</p> <p>The target sample size for auger samples is between 250g – 1000g, which is considered appropriate for this style of sampling and the geological setting.</p>
	<i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i>	
	<i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i>	
	<i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i>	
	<i>Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.</i>	
Quality of assay data and laboratory tests	<i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	<p>Samples were analysed at ALS Laboratory, Perth. The analytical method used was an Aqua Regia digest for Au, and a four-acid digest for the multi-element analysis.</p> <p>The Aqua Regia method is the most common digestion method for Au analysis and provides a near total digestion. It is considered appropriate for the material and mineralisation.</p>
	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i>	

Criteria	JORC Code explanation	Commentary
		<p>Samples are also analysed using the ALS method ME-MS61 which is a four-acid digest with an ICP-MS or ICP-OES finish depending on the element being reported with Cygnus requesting analyses for 48 elements. Four acid digestion is considered a 'near total' digest.</p> <p>Select samples were analysed for super trace level Platinum Group Metals (Pt & Pd) and Au via the PGM-MS23L method, which comprises standard lead oxide collection fire assay with an ICP-MS finish.</p> <p>For base metals that return values above the upper detection limit, the over limit method OG62 is used which comprises a four-acid digest with an ICP-AES finish.</p>
	<i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i>	NA
	<i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</i>	<p>For auger soil sampling Cygnus has submitted a mix of certified Reference Materials (CRMs) and blanks at a rate of five per 100 samples. Field duplicates have also been collected at a rate of one in 40 samples.</p> <p>External lab or umpire checks are not considered necessary for early stage exploration projects.</p>
Verification of sampling and assaying	<i>The verification of significant intersections by either independent or alternative company personnel.</i>	NA
	<i>The use of twinned holes.</i>	No drilling results are reported in this announcement
	<i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i>	All field logging is carried out on a laptop using Ocris Mobile software. Sampling data is submitted electronically to the Cygnus Database Manager based in Perth. Assay files are received from the lab electronically and all data is stored in the Company's SQL database managed by Expedio Ltd in Perth.
	<i>Discuss any adjustment to assay data.</i>	No assay data is adjusted.
Location of data points	<i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i>	Sample locations were determined by handheld GPS, which is considered accurate to ± 5 m in Northing and Easting.
	<i>Specification of the grid system used.</i>	The grid system used is MGA94 Zone 50 (GDA94).
	<i>Quality and adequacy of topographic control.</i>	RLs are allocated to the sample point using a DTM derived from detailed topography. The accuracy is estimated to be better than 2m in elevation.
Data spacing and distribution	<i>Data spacing for reporting of Exploration Results.</i>	Auger soil samples have been collected at approximately 200m spacing along lines ranging from 200m to 400m apart.
	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i>	NA as no resource estimation is made.

Criteria	JORC Code explanation	Commentary
	<i>Whether sample compositing has been applied.</i>	No sample compositing was applied.
<i>Orientation of data in relation to geological structure</i>	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	Orientation of auger soil lines was determined from an interpretation of geophysics and modelling of geochemistry from previous explorers. Detailed analysis is ongoing to better understand orientation of structures controlling mineralisation.
	<i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	No drilling results are reported in this announcement.
<i>Sample security</i>	<i>The measures taken to ensure sample security.</i>	<p>Samples were packed in the field and stored on site prior to shipment directly from site to ALS in Perth by Cygnus field staff (approximately 300km by road). The sample dispatches were accompanied by supporting documentation, signed by the site project geologist, which outlined the submission number, number of samples and preparation/analysis instructions.</p> <p>ALS maintains the chain of custody once the samples are received at the preparation facility, with a full audit trail available via the ALS Webtrieve site.</p>
<i>Audits or reviews</i>	<i>The results of any audits or reviews of sampling techniques and data.</i>	Sampling and assaying techniques are considered to be industry standard. At this stage of exploration, no external audits or reviews have been undertaken.

Section 2 Reporting of Exploration Results – Auger soil sampling and Ground Gravity Survey

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

Criteria	JORC Code explanation	Commentary
<i>Mineral tenement and land tenure status</i>	<i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i>	Auger sampling and ground gravity surveys reported here were collected within E70/5169 (Bencubbin North tenement) which is 100% owned by Cygnus Gold. The landownership within E70/5169 tenements is mostly freehold. Cygnus has signed a standard Indigenous Land Use Agreement (ILUA) for E70/5169.
	<i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i>	E70/5169 is in good standing with the Western Australian Department of Mines, Industry Regulation and Safety (DMIRS). Cygnus is unaware of any impediments for exploration on this licence.
<i>Exploration done by other parties</i>	<i>Acknowledgment and appraisal of exploration by other parties.</i>	Previous exploration on E70/5169 was undertaken by a variety of companies, most recently and best summarised by Rubicon Resources Limited in WAMEX Report a87615. General summary of previous work includes: <ul style="list-style-type: none"> • 1997-1998 Shell Minerals: Detailed mapping and diamond drilling of the Mandiga gossans • 1978-1984 Otter Resources: Exploration for VMS systems and Mandiga Gossans. Work included a 7-hole RC program, SIROTEM and surface geochemical sampling • 1991 CRA Exploration: Regional laterite sampling in search of gold, RAB drilling • 1993-1994 Troy Resources NL: RAB drilling for gold close to the Bencubbin North Nickel target • 1996-1998 Astro Mining NL: Primarily searched for Diamond and Gold mineralisation across the region, work included aeromagnetism, surface geochemistry and RC, RAB and Aircore Drilling (MERA1-60). Results included 20m @ 0.19% Ni in hole MERA2. • 2006-2010 Rubicon Resources Limited/Heron Resources: mapping, rock chip and auger sampling • 2011-2013 Australia Minerals and Mining Group: RC drilling of Banded Iron Formations for Fe-ore
<i>Geology</i>	<i>Deposit type, geological setting and style of mineralisation.</i>	Cygnus' E70/5169 is located in the Murchison Domain of the Youanmi Terrane of the Yilgarn Craton. Project-scale geology consists of granite-greenstone lithologies that were metamorphosed to amphibolite to granulite facies grade. The Archaean lithologies are cut by Proterozoic dolerite dykes. Deposit styles targeted by Cygnus in the Bencubbin project are: <ul style="list-style-type: none"> • Archaean Nickel Sulfide deposits (Nickel-Copper ± Cobalt ± Platinum Group Elements ± Gold) • Saprolitic Nickel-Chrome deposits • Archaean Orogenic mesothermal gold deposits

Criteria	JORC Code explanation	Commentary
		<ul style="list-style-type: none"> Copper-Lead-Zinc-Silver-Gold Volcanogenic Massive Sulfide (VMS) deposits
Drill hole Information	<p>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:</p> <ul style="list-style-type: none"> easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar dip and azimuth of the hole down hole length and interception depth hole length. <p>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.</p>	<p>No drilling results are reported in this announcement.</p> <p>All assay and sample location information are tabulated in Appendix 1 of this report.</p>
Data aggregation methods	<p>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.</p>	All results are reported as received from the laboratory and no statistical manipulations applied.
	<p>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.</p>	Details of all sample results are included in Appendix 1 in the body of the announcement.
	<p>The assumptions used for any reporting of metal equivalent values should be clearly stated.</p>	No metal equivalent values are reported.
Relationship between mineralisation widths and intercept lengths	<p>These relationships are particularly important in the reporting of Exploration Results.</p> <p>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</p> <p>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').</p>	No drilling results are reported in this announcement.

Criteria	JORC Code explanation	Commentary
<i>Diagrams</i>	<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 the figures in the body of this announcement for relevant plans including a tabulation of analytical results.
<i>Balanced reporting</i>	<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>	Details of all sample results are included in Appendix 1 in the body of the announcement.
<i>Other substantive exploration data</i>	<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>	No other substantive exploration data is available for reporting.
<i>Further work</i>	<p><i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></p> <p><i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i></p>	<p>Further work will comprise additional and infill soil sampling prior to an assessment of targets for drilling where warranted and/or electrical geophysics.</p> <p>Provided in the body of this announcement.</p>