

**Exploration Drilling Grant Initiative –
Round 5
Report on Drill Hole MGTS1
Tin Spur Prospect
EL 29/2009 “Cethana”**

Executive Summary

This report details the results of the drilling of a single diamond drill hole at the Tin Spur prospect on EL 29/2009 "Cethana", as part of the requirements for State Government co-funding of the drilling costs under the Exploration Drilling Grant Initiative, round 5.

Moina Gold Pty Ltd were successful in securing co-funding for a 1 x 350m hole targeting a major 3D IP chargeability anomaly.

The hole, MGTS1, was drilled to a depth of 322.4m by Edrill Pty Ltd.

The hole intersected variably silica+/-pyrite+/-chlorite+/-hematite altered siliciclastic sandstones and minor grits and sericitized mudstones to 172.6m grading into coarse quartz pebble conglomerate to the base of this conformable Ordovician sequence at 201.95m.

Silicification overprints the earlier chlorite +/-hematite alteration and is associated with variable trace to minor, locally up to a 5%, disseminated pyrite throughout. This alteration style is known to be gold anomalous in the district. Best gold assay in this zone was 50m to 54m, 4m @ 1.03g/t Au. All other assays were at or below detection of 0.01g/t Au.

From 201.95m the hole passes into variably altered quartz+feldspar+biotite phyric porphyry of the Cambrian Bull Creek Formation and remains within this unit till the end of the hole though with significant changes in alteration and sulphide mineralisation.

The contact is marked by a massive arsenopyrite vein ~30mm thick (with some arsenic sulphosalt development) with the uppermost section of the porphyry to 205.0m strongly foliated, yellowish grey white-mica altered with some initially minor zones of reddish brown hematite+silica in foliation conformable bands increasing downhole, with further arsenopyrite+quartz veins ranging from <1mm to 30mm cross-cutting this white-mica alteration zone at high angles to core-axis down to 205.0m.

The next alteration zone downhole is defined by the disappearance of the white-mica alteration and complete dominance of pervasive red-brown hematite+silica in foliation conformable patches or domains. This earlier hematite+silica alteration persists to the end of hole. At 241.45m is the first instance of a distinctive later overprinting alteration style. Here a zone of light greenish grey to off white cross-cuts the earlier hematite+silica, and the foliation, at high angles to core axis, and consists of quartz+tremolite(? light green mineral)+minor epidote+calcite. Below 275.95m these overprinting zones become increasingly more common. Below 302.7m the frequency of these later overprinting zones is maintained but now zones commonly contain central veins of quartz+actinolite.

The IP anomaly is considered explained by the quartz+sulphide veined zone from 201.95m to 205.0m with help from disseminated pyrite in the Moina Sandstone and perhaps the fine pyrite veinlet zone from 205.0m to 215.0m.

Composited Best Assays in Porphyry (units as shown)

	From (m)	To (m)	Interval (m)	Au_g/t	Ag_g/t	As_%	Cu_%	Pb_%	Zn_%	Sb_g/t
MGTS1	201.95	205.1	3.15	3.3	14	1.18	0.1	0.29	0.066	39
including	201.95	204.2	2.25	4.48	15.9	1.57	0.14	0.23	0.052	38
including	201.95	203	1.05	8.43	17.1	2.68	0.25	0.086	0.105	42

Drillhole MGTS1 has intersected a gold mineralised zone on the contact between Cambrian quartz feldspar biotite porphyry and overlying Roland Conglomerate.

Mineralisation occurs in quartz+arsenopyrite>base metal veins which appear to postdate cleavage development and accompany sericite (?) alteration of the porphyry. It is interpreted that veining is syn-Devonian granite intrusion.

Table of Contents	PG
1.0 Introduction	1
2.0 Work Completed - MGTS1	4
3.0 Discussion of Results and Conclusion – MGTS1	8
3.1 Geology	8
3.2 Assay Results	11
4.0 Conclusions	15
5.0 Environmental	16
6.0 Digital Filelisting	17

Tables

2.1 Compositing Samples in ALS Batch # BU22130378	5
3.1 Significant Assays in Porphyry	12
3.2 Compositing Best Assays in Porphyry	12

Figures

1.1 Detail of the Tin Spur area showing chargeability at 200m below surface, gold in soil results, old workings, historic drill holes and significant intercepts (with MRT 1:25,000 geology underlay).	2
1.2 Cross-section view of Tin Spur chargeability anomaly with historic drill holes and significant intercepts and proposed hole.	3
2.1 MGTS1 drill site on edge of plantation with two recirculation sumps on right hand side.	4
3.1 Section view looking towards 240° (true) showing 3D IP chargeability anomaly contours and the trace and geology of MGTS1.	8
3.2 Plan view showing 3D IP chargeability anomaly coloured image superimposed on MRT's 1:25,000 mapping and the trace and geology of MGTS1.	9
3.3 Sketch of veining and foliation at 202.3m showing veining both cross-cutting foliation at B but also semi-conformable at A.	10
3.4 Contact zone between overlying conglomerate and porphyry showing yellowish sericite alteration from 201.95m to 205.0m grading into hematite+chlorite+silica alteration below 206.4m. This section has been whole core sampled due to the friability of the rock and the desire to take as representative a sample as possible.	11
3.5 Section along trace of MGTS1 (i.e. looking towards 223° true) showing geology and gold assays. Fault shown is Tin Spur Thrust Fault. Bedding to core axis shown in Moina Sandstone.	13
3.6 Close-up of porphyry contact showing assays and vein and foliation (apparent dips but interpreted based on steep foliation in mapped outcrop and broad semi-conformability between foliation and vein orientation).	14

Appendices

A MGTS1 – Drill Log
B Assay Result Sheets ALS

1.0 Introduction

Moina Gold Pty Ltd were successful in the 5th round of the Exploration Drilling Initiative Programme in being granted up to \$35,000 co-funding to drill a 350m diamond drill hole at the Tin Spur prospect. The report details the drilling of the hole and the results as part of the requirement for the grantee.

Tin Spur sits on the ridgeline of the hills on the east side of Lake Cethana. Ordovician siliciclastics of the Moina Sandstone and basal Roland Conglomerate unconformably overlie Cambrian quartz+feldspar+biotite porphyry of the Bull Creek Formation, both of which underwent deformation and were intruded by granodiorite (Dolcoath Granite) during the Middle Devonian Tabberraberran Orogeny.

Historic workings targeted gold and tin in part as eluvial detrital deposits but also occurs in weathered hard rock trenching. Along strike historic drilling near the Devonian mine has intersected lead rich gossanous material.

A regional scale 3D IP survey conducted by Frontier Resources NL revealed the presence of a large coherent chargeability anomaly beneath these old workings and broadly coincident with the expected upper part of the QFBp porphyry.

3D isosurfaces of the 3D IP anomaly have been generated allowing the volume of the anomaly to be measured with the anomaly at the 40mv/v contour determined to be 10,000,000m³ (potentially equivalent to ~30Mt).

At the 40mv/v contour the chargeability anomaly is 500m long x 200m wide x 150m deep and strikes northwest with a gently plunge to the southeast.

Tin Spur lies above the modelled steeply dipping eastern edge of the Devonian Dolcoath Granite, a highly fertile granite which has introduced significant quantities of mineralisation into the Moina area in a range of settings with tungsten, molybdenum, bismuth, tin, fluorine, gold, lead, zinc and silver variably hosted in skarns, lodes and replacement bodies.

Tin Spur has historically been a tin +/- gold prospect with old workings chasing either commodity.

Rock and trench sampling shows tin and gold mineralisation on the surface to be hosted in weathered Moina Sandstones.

In TSD2 the 1m @ 5.0g/t Au is associated with small quartz veinlets in chlorite altered sandstone with trace disseminated pyrite. In TSD3 the 1m @ 1.7g/t Au is associated with a 1cm quartz+actinolite+pyrite+arsenopyrite vein in quartz, actinolite and magnetite altered sandstones.

The suggestion from increasing sericite+pyrite alteration encountered in TSD2 is that the anomaly will be associated or due to phyllic alteration. TSD2 stopped at 112.75m with 5.0g/t gold intersected between 104m and 105m.

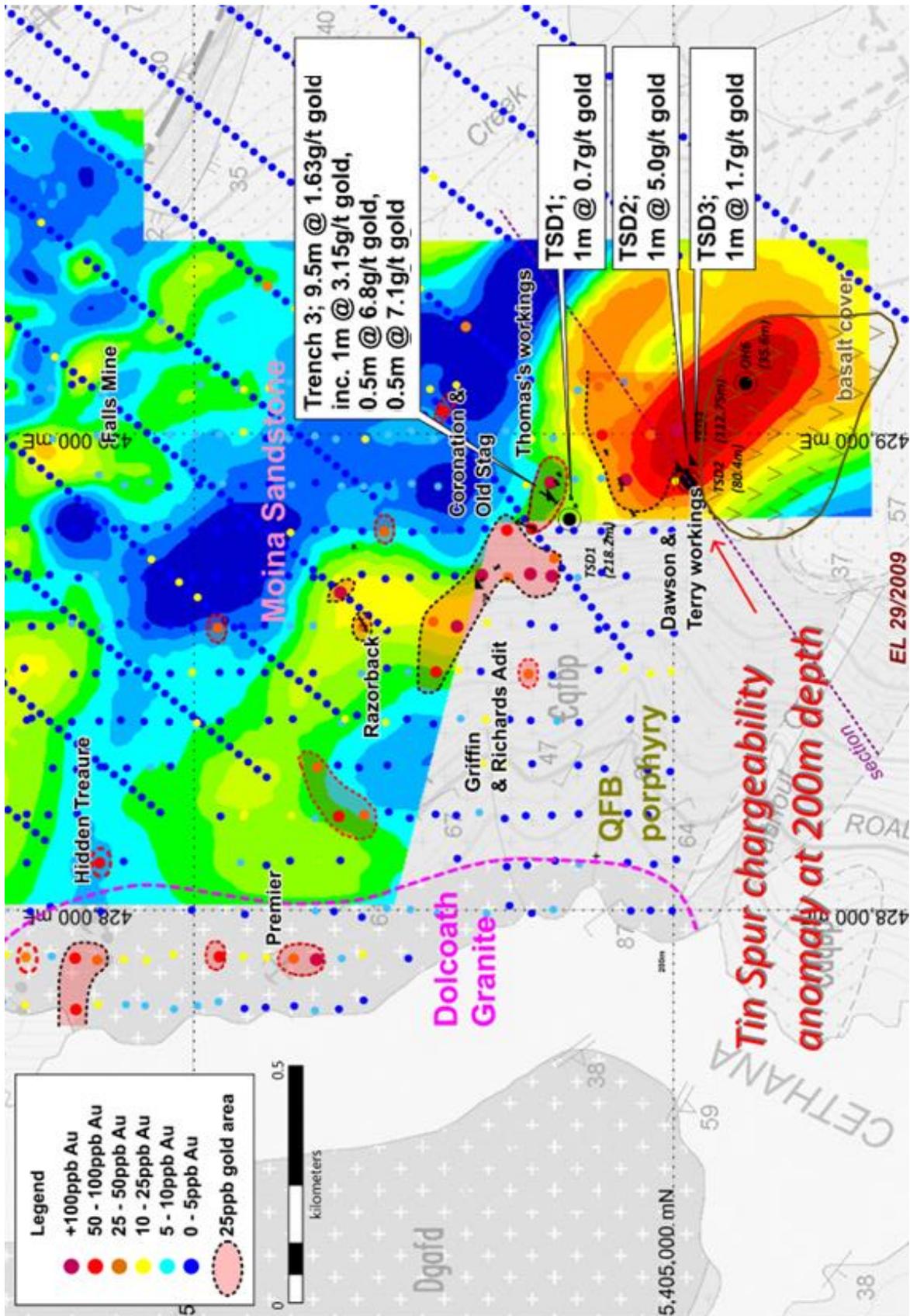


figure 1.1: Detail of the Tin Spur area showing chargeability at 200m below surface, gold in soil results, old workings, historic drill holes and significant intercepts (with MRT 1:25,000 geology underlay).

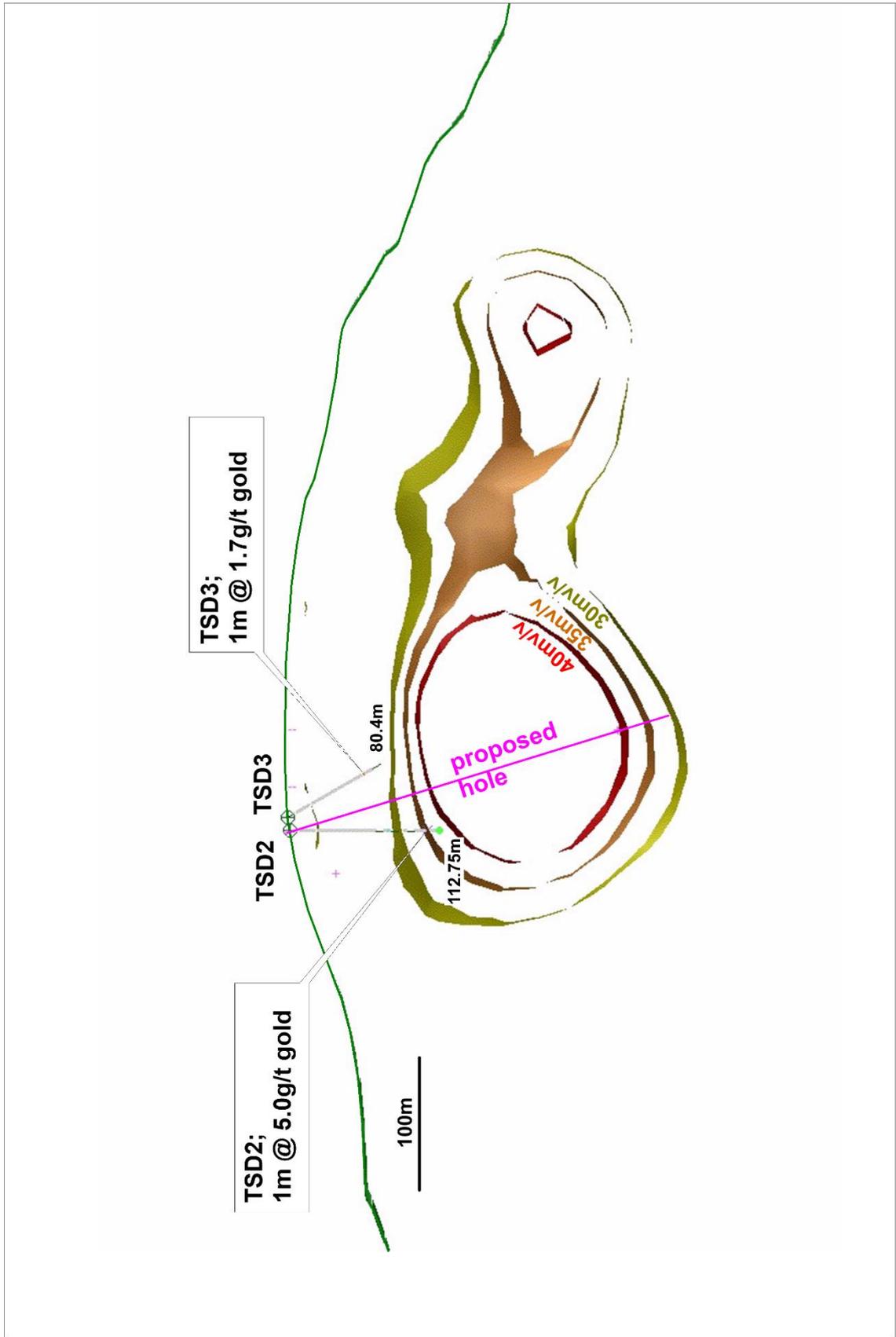


figure 1.2: Cross-section view of Tin Spur chargeability anomaly with historic drill holes and significant intercepts and proposed hole.

2.0 Work Completed - MGTS1

The collar site chosen for MGTS1 lies on a section of fire break around a forestry plantation coupe. This position was adjusted with approval by MRT to make use of already disturbed areas for access and collaring.

The hole MGTS1 was drilled by Edrill Pty Ltd using an LF70 diamond drill rig transported to site on a rubber tracked Morooka crawler. The drill site chosen was on an area of historic track.

Started on-site 17th March 2022 with coring starting on 18th March, drilled on 5 day a week single shift basis by Sam French (driller) and Mark Grant (offsider).

The hole was drilled in HQ2 to 98.6m then reduced to NQ2 and completed to 322.4m depth on 7th April 2022.

The hole has not been cased with PVC.

The top 30cm of the hole was cemented just below surface level and a stainless steel bolt inserted in the wet cement so that the hole can be found by a metal detector at a later point if desired.



Figure 2.1: *MGTS1 drill site on edge of plantation with two recirculation sumps on right hand side.*

Sampling and assaying was done in three separate batches BU22130378, BU22171792 and BU22217071.

The first batch sampled the upper 98.5m of the hole in variably pyritic and silicified Moina Sandstone.

Samples were taken of half core at nominally 1 metre lengths and submitted to ALS who crushed and pulverised each sample before compositing into nominally 4 sample composites. In order to save money and reduce confusion samples were equal weight composited.

Composited samples are listed in table 3.1. Samples were fire assayed for gold only.

Table 2.1: Composited Samples in ALS Batch # BU22130378

Primary Sample No.	from (m)	to (m)	Composite Sample No.
41485	0.6	2	composite 1
41486	2	3.1	composite 1
41487	3.1	4.2	composite 1
41488	4.2	5.4	composite 1
41489	5.4	7.8	composite 2
41490	7.8	9.1	composite 2
41491	9.1	10.6	composite 2
41492	10.6	11.4	composite 2
41493	11.4	12.5	composite 3
41494	12.5	13.8	composite 3
41495	13.8	15.2	composite 3
41496	15.2	16.9	composite 3
41497	16.9	18.2	composite 4
41498	18.2	20.2	composite 4
41499	20.2	21.3	composite 4
41500	21.3	23.1	composite 4
41501	23.1	24	composite 5
41502	24	25	composite 5
41504	25	26	composite 5
41505	26	27	composite 6
41506	27	28	composite 6
41507	28	29	composite 6
41508	29	30	composite 6
41509	30	31	composite 7
41510	31	32	composite 7
41511	32	33	composite 7
41512	33	34	composite 7
41513	34	35	composite 8
41514	35	36	composite 8
41515	36	37	composite 8
41516	37	38	composite 8
41517	38	39	composite 9
41518	39	40	composite 9
41519	40	41	composite 9
41520	41	42	composite 9
41521	42	43	composite 10
41522	43	44	composite 10
41523	44	45	composite 10

41524	45	46	composite 10
41525	46	47	composite 11
41526	47	48	composite 11
41527	48	49	composite 11
41528	49	50	composite 11
41529	50	51	composite 12
41530	51	52	composite 12
41531	52	53	composite 12
41532	53	54	composite 12
41533	54	55	composite 13
41534	55	56	composite 13
41535	56	57	composite 13
41536	57	58	composite 13
41537	58	59	composite 14
41538	59	60	composite 14
41539	60	61	composite 14
41540	61	62	composite 14
41541	62	63	composite 15
41542	63	64	composite 15
41543	64	65	composite 15
41544	65	66	composite 15
41545	66	67	composite 16
41546	67	68	composite 16
41547	68	69	composite 16
41548	69	70	composite 16
41549	70	71	composite 17
41550	71	72	composite 17
41551	72	73	composite 17
41552	73	74	composite 17
41553	74	75	composite 18
41555	75	76	composite 18
41556	76	77	composite 18
41557	77	78	composite 18
41558	78	79	composite 19
41559	79	80	composite 19
41560	80	81	composite 19
41561	81	82	composite 19
41562	82	83	composite 20
41563	83	84	composite 20
41564	84	85	composite 20
41565	85	86	composite 20
41566	86	87	composite 21
41567	87	88	composite 21
41568	88	89	composite 21
41569	89	90	composite 21

41570	90	91	composite 22
41571	91	92	composite 22
41572	92	93	composite 22
41573	93	94	composite 22
41574	94	95	composite 23
41575	95	96	composite 23
41576	96	97	composite 23
41577	97	98.5	composite 23

The second batch (BU22171792) of samples were taken from the lower part of the Moina Sandstone and Roland Conglomerate and were selected as individual samples largely on the basis of pyritic and/or silicic alteration. Samples were 1 metre half core and were fire assayed for gold only.

The third batch (BU22217071) of samples were taken from the porphyry.

Samples were taken on lithological boundaries to 206m and then at 1 metre intervals.

Due to the broken nature of the core the samples from the upper margin of the porphyry at 201.95m to 205.1m were whole core sampled. Below this samples were half core.

Samples were assayed for gold by fire assay as well as Ag, As, Cu, Pb, Zn, Bi, Mo, W and Sb by ICPMS.

3.0 Discussion of Results and Conclusion – MGTS1

3.1 Geology

MGTS1 successfully transected the target zone providing a test of the chargeability anomaly (figure 3.1 and 3.2).

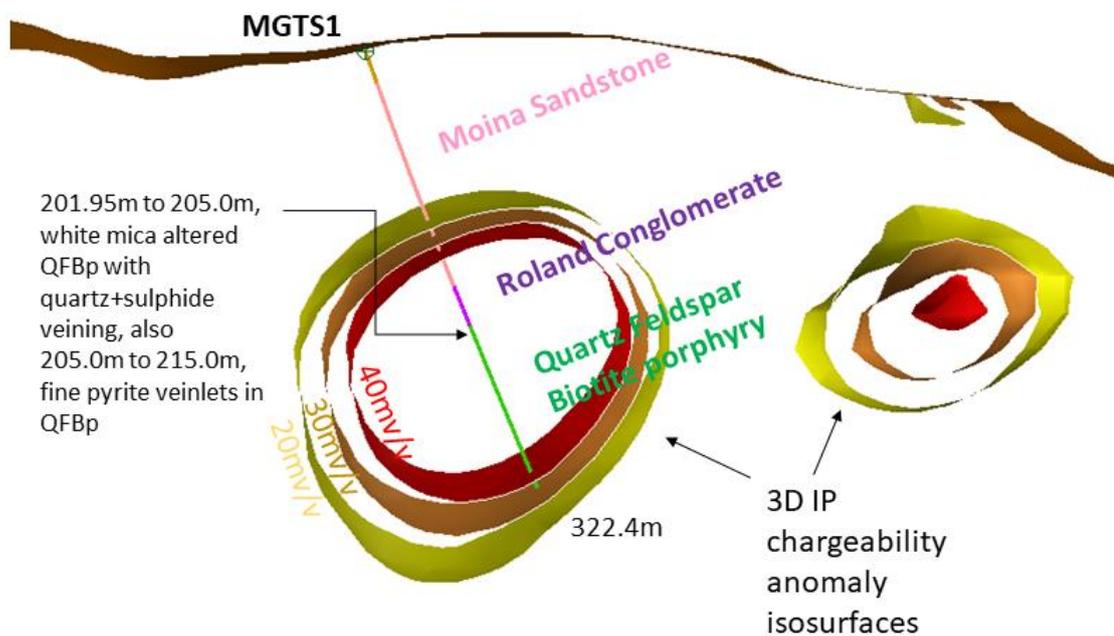


Figure 3.1: Section view looking towards 240° (true) showing 3D IP chargeability anomaly contours and the trace and geology of MGTS1.

The hole intersected variably silica+/-pyrite+/-chlorite+/-hematite altered siliciclastic sandstones and minor grits and sericitized mudstones to 172.6m grading into coarse quartz pebble conglomerate to the base of this conformable Ordovician sequence at 201.95m.

Silicification overprints the earlier chlorite +/-hematite alteration and is associated with variable trace to minor, locally up to a 5%, disseminated pyrite throughout. This alteration style is known to be gold anomalous in the district.

From 201.95m the hole passes into variably altered quartz+feldspar+biotite phyric porphyry of the Cambrian Bull Creek Formation and remains within this unit till the end of the hole though with significant changes in alteration and sulphide mineralisation.

The contact is marked by a massive arsenopyrite vein ~30mm thick (with some arsenic sulphosalt development).

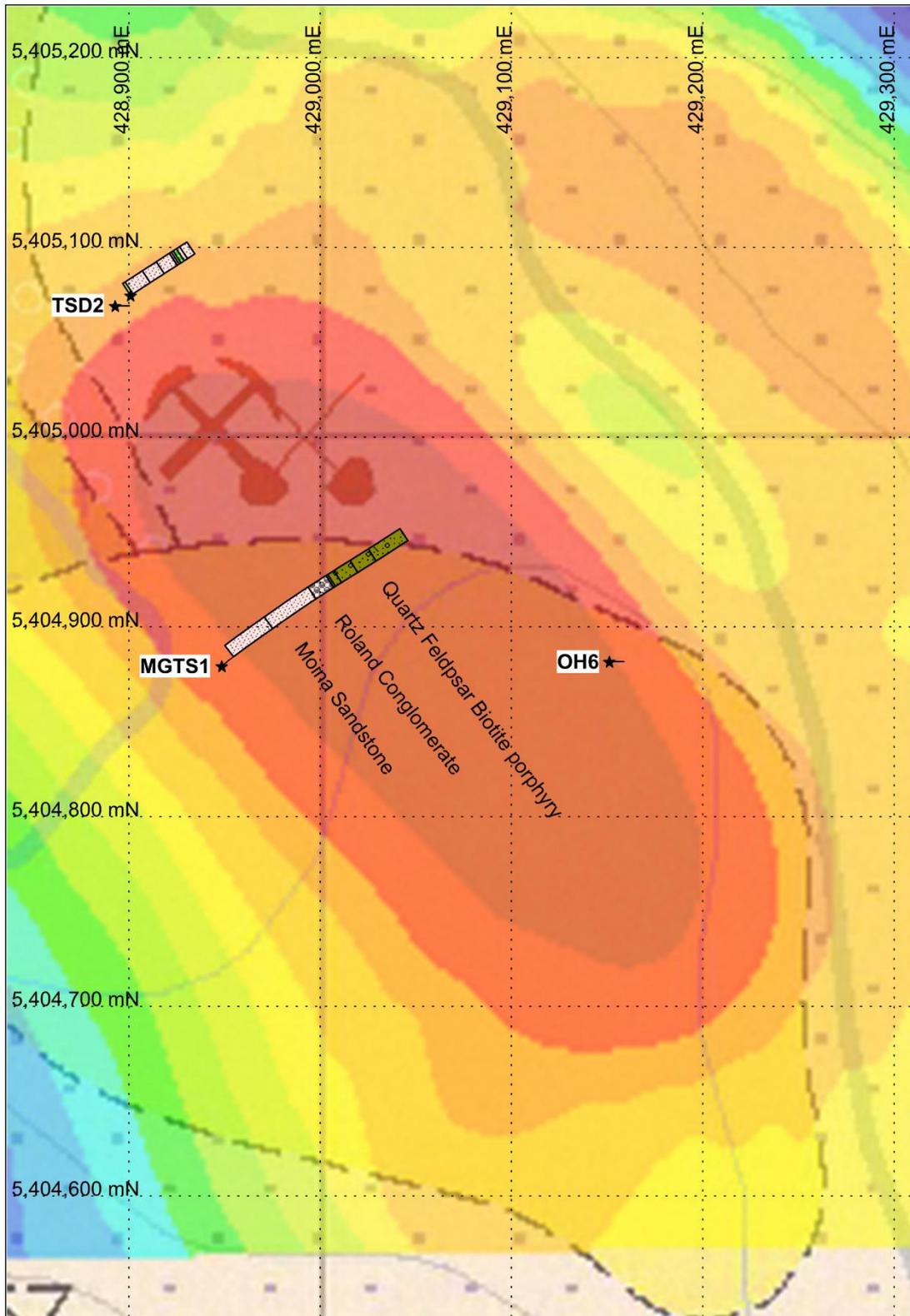


Figure 3.2: Plan view showing 3D IP chargeability anomaly coloured image superimposed on MRT's 1:25,000 mapping and the trace and geology of MGTS1.

The uppermost section of the porphyry to 205.0m is strongly foliated, yellowish grey white-mica altered with some initially minor zones of reddish brown hematite+silica in foliation conformable bands increasing downhole.

Arsenopyrite+quartz veins ranging from <1mm to 30mm cross-cut this white-mica alteration zone at high angles to core-axis down to 205.0m (see figures 3.3 and 3.4).

The next alteration zone downhole is defined by the disappearance of the white-mica alteration and complete dominance of pervasive red-brown hematite+silica in foliation conformable patches or domains. This earlier hematite+silica alteration persists to the end of hole.

At 241.45m is the first instance of a distinctive later overprinting alteration style. Here a zone of light greenish grey to off white cross-cuts the earlier hematite+silica, and the foliation, at high angles to core axis, and consists of quartz+tremolite(? Light green mineral)+minor epidote+calcite.

Below 275.95m these overprinting zones become increasingly more common. Below 302.7m the frequency of these later overprinting zones is maintained but now zones commonly contain central veins of quartz+actinolite.

The IP anomaly is considered explained by the quartz+sulphide veined zone from 201.95m to 205.0m with help from disseminated pyrite in the Moina Sandstone and perhaps the fine pyrite veinlet zone from 205.0m to 215.0m.

This alteration zone is apparently controlled by the contact with the overlying quartz pebble conglomerate, though there is likely also a structural control also e.g. the shear from 61.5m to 62.0m.

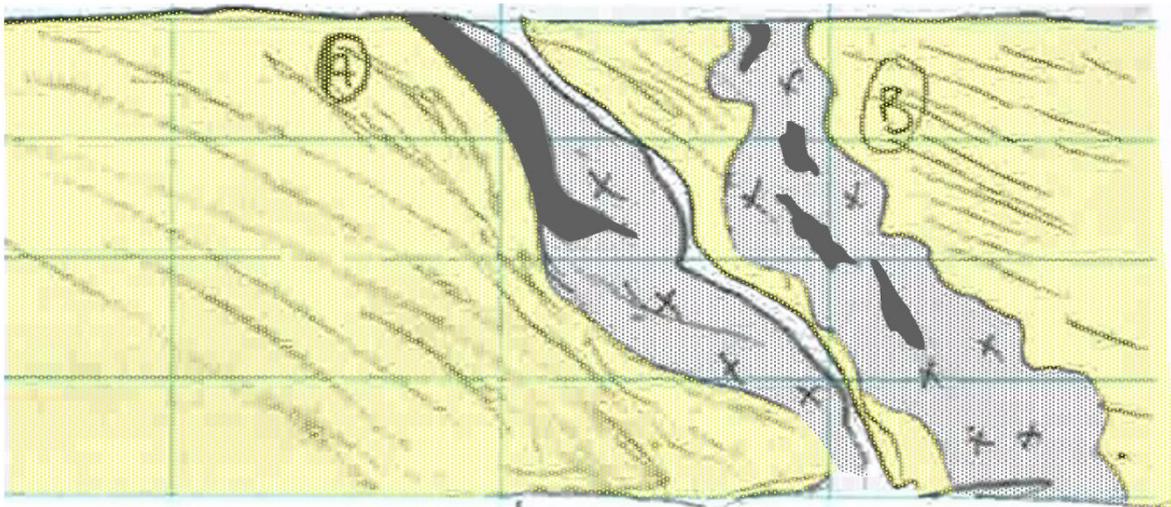


Figure 3.3: Sketch of veining and foliation at 202.3m showing veining both cross-cutting foliation at B but also semi-conformable at A.



Figure 3.4: Contact zone between overlying conglomerate and porphyry showing yellowish sericite alteration from 201.95m to 205.0m grading into hematite+chlorite+silica alteration below 206.4m. This section has been whole core sampled due to the friability of the rock and the desire to take as representative a sample as possible.

3.2 Assay Results

Standards were inserted into each batch

OREAS 630B rated at 0.358g/t gold assayed 0.32g/t and 0.32g/t in batch BU22130378, 0.28g/t in batch BU22171792, and 0.35g/t in batch BU22217071 suggesting a slight undercall.

In batch BU22130378 most composites were <0.01g/t gold except for composite 11 at 0.01g/t gold, and composite 12 at 1.03g/t gold. The latter composite has not been individually assayed though it may be warranted in the future.

In the second batch (BU22171792) most samples assayed at or below detection. Best results were 0.05g/t from 140m to 141m, 0.03g/t from 164m to 165m and 0.02g/t from 167m to 168m.

In the third batch (BU22217071) taken from the porphyry there were significant gold, arsenic and base metal results. These are tabulated in table 3.1.

Table 3.1: Significant Assays in Porphyry (all assays in ppm)

Sample_id	From (m)	To (m)	Au	Ag	As	Cu	Pb	Zn	Bi	Co	Mo	Sb	W
41685	201.95	202.4	9.84	8.2	36000	529	1315	54	19	25	1	41	10
41686	202.4	203	7.37	23.7	19300	4050	523	1790	58	24	<1	44	10
41687	203	203.7	1.02	9.1	4100	537	1110	47	26	4	1	28	20
41688	203.7	204.2	1.02	22.9	8470	188	6950	74	<2	9	1	44	20
41689	204.2	204.7	0.34	6.3	1455	101	3190	117	<2	3	3	35	20
41690	204.7	205.1	0.39	12.9	2890	204	5800	2120	<2	4	2	50	10
41691	205.1	206	0.03	2.6	106	35	1225	38	<2	3	1	30	10
41692	206	207	0.03	1.8	222	24	671	96	<2	3	1	15	10
41693	207	208	0.01	0.6	43	6	184	37	<2	3	1	10	<10
41694	208	209	0.01	0.9	200	58	368	32	<2	4	2	7	<10
41695	209	210	<0.01	<0.5	17	3	69	34	<2	4	1	10	<10
41696	210	211	<0.01	<0.5	52	4	41	33	<2	3	1	11	<10
41697	211	212	<0.01	<0.5	43	4	48	34	<2	4	1	6	<10
41698	212	213	0.04	<0.5	185	14	50	31	<2	8	2	9	10
41699	213	214	0.02	<0.5	87	27	35	33	<2	5	1	7	<10
41700	214	215	<0.01	<0.5	26	2	42	42	<2	3	1	10	<10

These assays can be composited as in table 3.2.

Table 3.2: Compositing Best Assays in Porphyry (units as shown)

	From (m)	To (m)	Interval (m)	Au_g/t	Ag_g/t	As_%	Cu_%	Pb_%	Zn_%	Sb_g/t
MGTS1	201.95	205.1	3.15	3.3	14	1.18	0.1	0.29	0.066	39
including	201.95	204.2	2.25	4.48	15.9	1.57	0.14	0.23	0.052	38
including	201.95	203	1.05	8.43	17.1	2.68	0.25	0.086	0.105	42

These assays are highly significant.

Gold mineralisation clearly occurs in the arsenopyrite rich quartz veins which have developed in the sericite(? – not confirmed but likely) altered quartz feldspar biotite porphyry unit up against the contact with the overlying siliciclastics of the Roland Conglomerate (see figures 3.5 and 3.6).

Veining postdates cleavage formation and is considered to be syn-granite intrusion.

There are no major structures intersected in the drill hole but the existence of a northwest striking structure just south of MGTS1's collar is suggested by aeromagnetics. Gravity modelling suggests that a northeast striking structure may pass just to the northwest of the collar of MGTS1.

The favoured interpretation is that alteration and mineralisation has ponded up against the impermeable contact during granite emplacement with fluids channelled through an adjacent northwest striking fault such that mineralisation might have the form of a flared cone or flower with a narrow deeper central zone widening up against the siliciclastics.

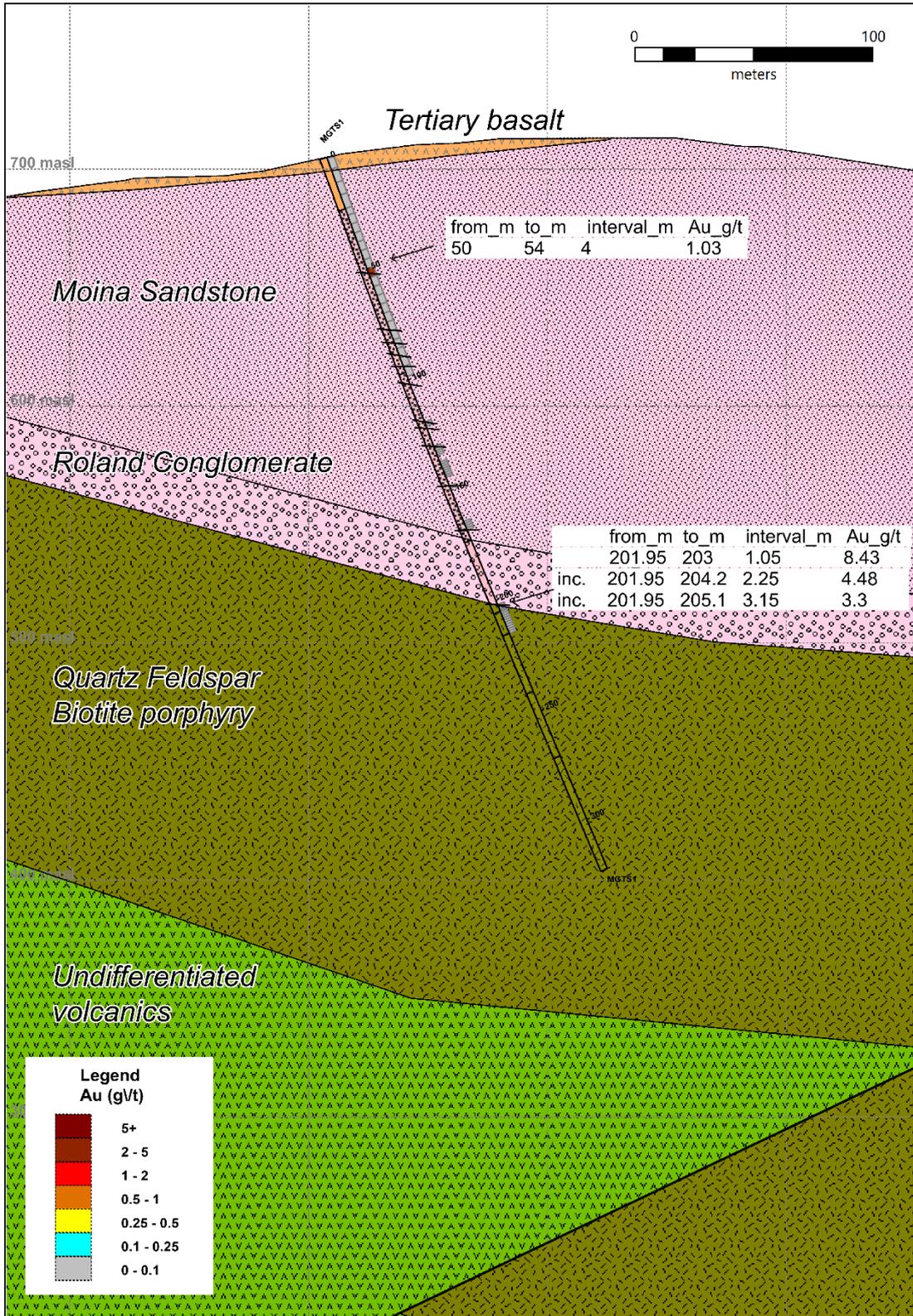


Figure 3.5: Section along trace of MGTS1 (i.e. looking towards 223° true) showing geology and gold assays. Fault shown is Tin Spur Thrust Fault. Bedding to core axis shown in Moina Sandstone.

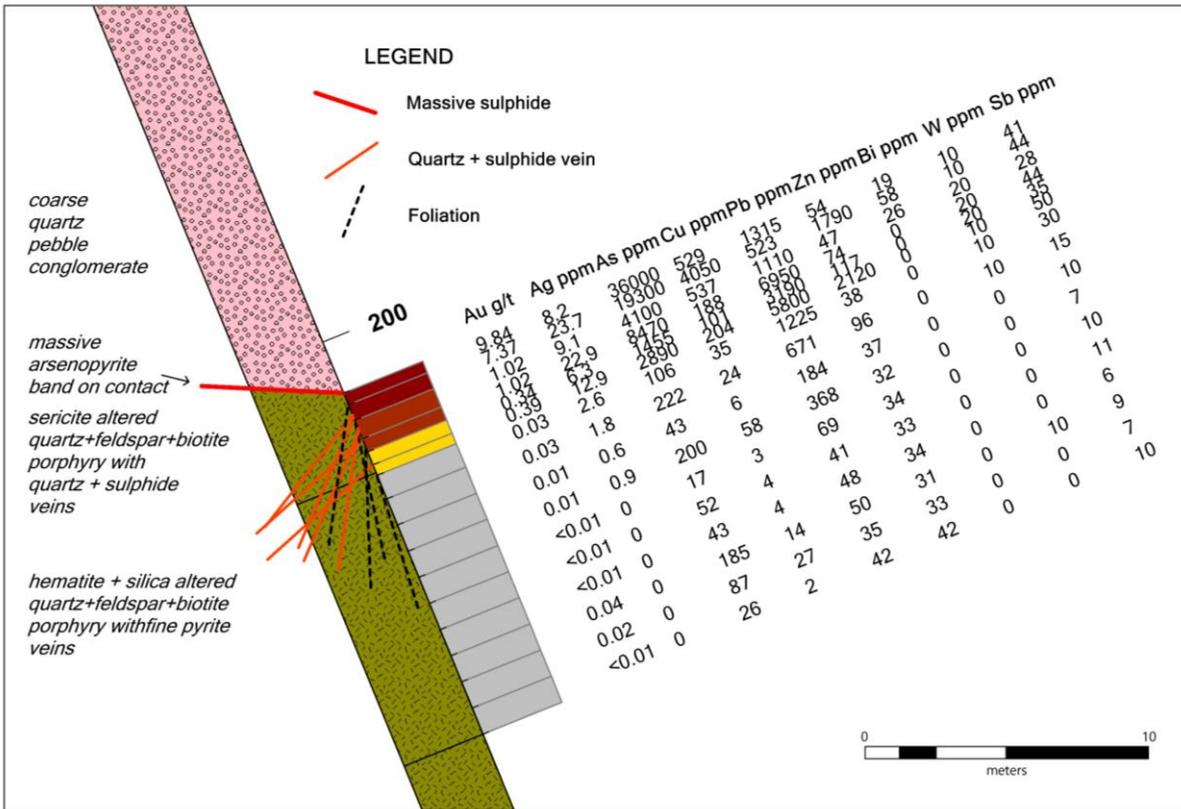


Figure 3.6: Close-up of porphyry contact showing assays and vein and foliation (apparent dips but interpreted based on steep foliation in mapped outcrop and broad semi-conformability between foliation and vein orientation).

4.0 Conclusions

Drillhole MGTS1 has intersected a gold mineralised zone on the contact between Cambrian quartz feldspar biotite porphyry and overlying Roland Conglomerate.

Mineralisation occurs in quartz+arsenopyrite>base metal veins which appear to postdate cleavage development and accompany sericite (?) alteration of the porphyry. It is interpreted that veining is syn-Devonian granite intrusion.

It is perhaps a stretch to say that this is a new discovery given the historic gold intersections in drillholes and trenches to the northwest, but it is the first occurrence of gold discovered in this structural/stratigraphic position in the area.

Further drilling is warranted.

5.0 Environmental

The MGTS1 collar has been cemented just below its collar. The site remains unrehabilitated at the time of reporting but this work was due to be completed in the coming weeks.

6.0 Digital Filelisting

Exploration Work Type	Filename	File format
<i>Report</i>	MGTS1_TinSpurProspect_EDGIRnd5_Report_Updated _With_Assays	<i>pdf</i>
Drilling	MGTS1_02_SL_1 MGTS1_03_DS_! MGTS1_04_DL_1 MGTS1_05_DG_1	xls xls xls xls
File Verification Listing (<i>this file</i>)	MGTS1_FILELISTING	xls

Appendices

A MGTS1 – Drill Log

Moina Gold Pty Ltd

BHID

MGTS1

Project	Prospect	GDA94 East	GDA94 North
Moina	Tin Spur	428920	5404850

RL	Depth	Geologist
705	322.4	GMacD

Surveys

Depth	Dip	Azi. (MN)	Azi. (TN)
0	-70	39	53
30	-70.3	39	53
60	-70	40.2	54.2
90	-69.4	40.4	54.4
120	-69.1	41.1	55.1
150	-68.5	41.7	55.7
180	-67.9	43	57
210	-67.9	43.6	57.6
240	-67.6	43.8	57.8
270	-67.4	43.6	57.6
300	-67.4	42.8	56.8

Drilled:	Start:	18th March 2022
	Finish:	7th April 2022
Drill Co:	EDRILL Pty Ltd	
Driller:	Sam French/Mark Smith	

Hole Size:	From	Size
	0	HQ2
	98.6	NQ2
Casing:	removed	

Summary Log

0	23.1	Clay after sandstone
23.1	96.7	Quartz sandstone, silica+pyrite altered
96.7	172.6	Quartz sandstones and lesser grit, silicified and chlorite+/- hematite altered, also sericitised mudstone
172.6	201.95	Quartz pebble conglomerate
201.95	205	Qtz+Feld+Biotite porphyry, sericite altd with arseno+qtz vng
205	215	Qtz+Feld+Biotite porphyry silica+hematite altd with fine pyrite vnts
215	241.45	Qtz+Feld+Biotite porphyry silica+hematite altd
241.45	270.95	Qtz+Feld+Biotite porphyry silica+hematite altd with rare epi+act+calc altd zones
270.95	322.4	Qtz+Feld+Biotite porphyry silica+hematite altd with common epi+act+calc altd zones

MGTS1

0.0	0.6	Core Loss	
0.6	2.0	Red/brown Clay/Soil	Red/brown clay and soil.
2.0	7.7	Clay	Light grey, orange, tan brown and grey brown clays with fine grained quartz silt and sand sized quartz particles indicating clay is after quartz siltstone/sandstone.
7.7	9.5	Red/brown Clay	
9.5	23.1	Orange Clay	Orange clays also brown and reddy orange after quartz sandstone.
23.1	96.7	Quartz Sandstone	Quartz sandstone – weathered to 32.3m. Variably silicified throughout. Trace disseminated pyrite throughout with more significant zone 82.8m to 96.7m. Bedding is 65dca at 52m, 60dca at 61m, 65dca at 77.5m, 65dca at 83.5, 60dca at 89m and 70dca at 94m.
	32.3	61.5	Grey bioturbated quartz sandstone
	61.5	69.0	Puggy shear from 61.5m to 62.0m with strong silicification and disseminated pyrite to 69m.
	69.0	77.3	Grey bioturbated quartz sandstone
	77.3	80.8	Fine grained quartz sandstone
	80.8	82.8	Orange weathered quartz sandstone
	82.8	96.7	Grey bioturbated quartz sandstone with minor disseminated pyrite
96.7	98.2	Grit	Light grey quartz grit. Silicified.
98.2	106.8	Quartz Sandstone, Mudstone and Minor Grit	Murky – dark purple-grey sandstone, yellowish sericitized bioturbated mudstone with clean sandy worm burrows, and occasional gritty zones at bases of fining upwards beds. Alteration is later pervasive silicification with earlier pervasive chlorite and hematite the source of the murkiness. Bedding is 60dca at 102m.
106.8	110.55	Fine Grained Sandstone	Fine grained sandstone with medium green tinge due to earlier chlorite with later silicification overprint. Gradational lower and upper contact. Quartz tension vein array with veins at high angles to core axis.
110.55	119.4	Sandstone with Minor Grit	Murky dark purple-grey sandstone with later silicification overprinting earlier hematite and lesser chlorite, and minor yellowish sericitized mudstone. Fining upwards uphole. Bedding is 60dca at 119m.
119.4	120.5	Grit	Medium light grey grit strongly silica altered with minor sericitic mudstone. Trace disseminated pyrite.
120.5	137.0	Sericitised Mudstone with Interbedded Quartz Sandstone and Grit	Predominantly yellow grey very fine grained sericitized mudstone, bioturbated, with sandstone in wispy interbeds and worm burrows. Gritty zones less common but are base to fining upwards sedimentary cycles. Minor disseminated pyrite with pyrite clots in more siliceous zones. Siliceous more pyritic zones from 130.4m to 133.8m. Bedding is 65dca at 122m and 65dca at 130m.

137.0 144.0 Siliceous Grit Coarse grained gritty sandstone throughout – not graded – with pervasive silicification overprinting earlier hematite and sericite.

144.0 172.6 Sandstone and Minor Grit Dark purple hematitic sandstone and minor grit. Dark purple grey to 152.2m, mottled below this, with lesser zones of yellowish green sericite alteration overprinting. Gritty bases with rounded quartz pebbles to 10mm as bases to fining upwards beds become more common downhole. Pyrite occurs as disseminations and veinlets becomes more common below 164m to 194m where pervasive silicification is accompanied by pyrite commonly in bedding conformable veins. This alteration weakens downhole to the contact with the underlying porphyry. Bedding is 70dca at 148m and 70dca at 168m.

172.6 202.0 Quartz Pebble Conglomerate Quartz pebble conglomerate with light pink colouration due to hematite and silicification overprint. Quartzite pebbles occasional vein quartz, rounded clast supported with clasts to approximately +100mm, quartz sand matrix. Sharp contact with porphyry downhole.

201.95 322.4 Quartz Feldspar Biotite Porphyry Single coherent quartz feldspar biotite porphyry body through to end of hole but with significant variation in alteration/veining (any suggestion of clasts are pseudoclasts due to domainal alteration). Quartz phenocrysts to 2mm, feldspars 2mm commonly altered (possibly sericite near top of unit, increasingly epidote downhole), biotite to 2mm elongate in fabric and commonly dark due to chlorite and/or iron oxide alteration and even porphyritic distribution throughout. Strong fabric throughout at low angles to core axis defined by orientation of feldspars and biotite, also defined by earlier domainal hematite+silica alteration. This fabric defines schistosity in the white mica altered zone adjacent the upper contact.

201.95 205.0 Sericite altered QFB Porphyry with Quartz+/-Sulphide Veining

Yellowish greenish grey Quartz Feldspar Biotite phyrical porphyry as above but with pervasive sericite (? white mica) alteration and minor domainal silica+hematite alteration increasingly towards the base of this zone. Strong fabric defined by alignment of feldspar and biotite also silica+hematite domainal alteration, 30dca at 202.4m, 10dca at 203m, 20dca at 204m and 5dca at 205m. Alteration is cross-cut by irregular worm like sulphide veinlets which clearly cross-cut the fabric. The upper contact between the overlying Quartz Pebble Conglomerate and this sericite altered quartz feldspar biotite porphyry is marked by an example of these quartz+/-sulphide veins with a ~30mm thick massive arsenopyrite vein at 65dca. Vein occurs as two massive sulphide segments separated by a light coloured clays and salts presumably arsenic bearing between 201.95m and 202.0m. From 202.0m to 202.55m are 2 x 1mm thick veinlets at high angles to core axis, from 202.55 to 202.8m is zone of irregular fine discontinuous veinlets, from 202.8m to 202.85m is 25mm thick massive sulphide vein at ~60dca, from 202.9m to 202.95m is massive sulphide vein at 45dca, 30mm true thickness, at 203.3m is 5mm quartz sulphide vein at 30dca, at 203.35m is 5mm quartz sulphide vein, at 203.4m is 25mm thick quartz sulphide vein at 45dca, from 203.4m to 203.6m is no obvious veining, from 203.6m to 204.7m is ~35 <1mm thick sulphide+/-quartz veinlets mainly cross-cutting at 60-80dca. Near the base of the zone reddy brown silica+hematite zones interfinger with sericitic conformable with fabric with the complete change defining the base of this zone.

205.0 210.5 Hematite+Silica altered QFB Porphyry with Fine Pyrite Veinlets

Quartz feldspar biotite phyrical porphyry unit continues but with alteration/veining change. Porphyry is now pervasively hematite+/-silica altered matrix but phenocrysts clear with non-destructive sericite alteration of feldspars. Cross-cut by ~5/m very fine (<1mm) pyrite veinlets

cross-cutting fabric at both high angles to core axis, and orthogonally at low angle to core axis, also minor disseminations.

210.5 241.45 Hematite+Silica altered QFB Porphyry

QFB porphyry continues but pyrite now in occasional disseminations but no obvious fine pyrite stockworking. At 211.7m to 212.4m is laminated quartz+carbonaceous septa+disseminated pyrite vein parallel to core axis; at 229.4m is 10mm massive galena vein at 60dca associated with disseminated pyrite and galena in wallrock; from 234.65m to 234.7m is 40-50mm thick quartz+sulphide tension vein cross-cutting at high angles to core axis inc. pyrite, galena and low iron sphalerite.

241.45 275.95 Hematite+silica altered QFB Porphyry with Very Occasional Later Quartz+(Calc-Silicate?)+Epidote+Actinolite+Tremolite?+Calcite Altered/Veined Zones

QFB porphyry continues with pervasive hematite+silica alteration but now with very occasional discrete quartz+epidote+tremolite?+actinolite+calcite veining/alteration zones down to 276.95m where the frequency of these veins/zones increases. From 241.45m to 241.5m is 80mm thick quartz+sulphide tension vein cross-cutting at high angle to core axis. From 253.25m to 254.6m is a zone of ~10 somewhat wormlike (curvilinear margins) quartz+sulphide (red/brown sphalerite, galena) tension veins at high angles to core axis from 3mm up to 100mm thick. Veining is quartz+epidote+tremolite?+calcite+sulphide. At 262.15m is 10mm thick quartz+chlorite vein at high angle to core axis. At 264.8m is 15mm thick quartz+tremolite?+epidote+chlorite vein at high angle to core axis. From 268.65m to 269.0m is 4 x 10—20mm thick quartz+actinolite veins at high angle to core axis. At 249.6m is a 2-5mm thick galena vein a 80dca.

275.95 302.7 Hematite+silica altered QFB Porphyry With Common Later Epidote+Quartz+(Calc-Silicate?)Actinolite+Tremolite?+Calcite Altered Zones

QFB porphyry continues with pervasive hematite+silica alteration but now with common overprinting light yellowish green patches of moderate pervasive epidote alteration commonly not necessarily associated with discrete veins in contrast to below 302.7m.

302.7 322.4 Hematite+silica altered QFB Porphyry with Common Later Epidote+Quartz+(Calc-Silicate?)+Actinolite+Tremolite?+Calcite Altered/Veined Zones

QFB porphyry continues with pervasive early hematite+silica alteration with common overprinting light yellowish green patches of moderate pervasive epidote alteration now more commonly associated with discrete veins with alteration as selvages.

322.4 End of hole

Appendix B – Assay Result Sheets ALS



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 Account: MOIGOL

CERTIFICATE BU22130378

Project: Moina Gold 19-5-22
 This report is for 117 samples of Drill Core submitted to our lab in Burnie, TAS, Australia on 19-MAY-2022.
 The following have access to data associated with this certificate:
 GRANT MACDONALD
 GEOFFREY SUMMERS

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
BAG-21	Raw Sample in a new bag
LEV-01	Waste Disposal Levy
CRU-21	Crush entire sample
PUL-23	Pulv Sample - Split/Retain
BAG-01	Bulk Master for Storage
SPL-21	Split sample - riffle splitter
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA25	Ore Grade Au 30g FA AA finish	AAS

Peter Neville, Laboratory Manager

Signature:

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Project: Moina Gold 19-5-22

CERTIFICATE OF ANALYSIS BU22130378

Sample Description	Method Analyte Units LOD	WEI-21		PUL-QC		Au-AA25	
		Recvd Wt. kg	Pass/Sum %	Pass/Sum %	Au ppm	Au ppm	Au ppm
41484		0.07					<0.01
41485		1.87	90.4				
41486		2.34					
41487		3.31					
41488		3.59					
41489		6.23					
41490		3.88					
41491		4.77					
41492		2.22					
41493		2.57					
41494		3.14					
41495		4.00					
41496		3.33					
41497		3.35					
41498		4.73					
41499		2.99					
41500		5.10					
41501		3.07					
41502		3.21					
41503		0.07				0.32	
41504		3.63					
41505		3.24					
41506		3.13					
41507		2.81					
41508		2.50					
41509		2.95					
41510		2.82					
41511		3.74					
41512		3.56					
41513		3.90					
41514		3.63					
41515		3.10					
41516		3.76					
41517		3.81					
41518		4.16					
41519		4.27					
41520		3.77					
41521		4.34					
41522		3.64					
41523		3.70	96.0				

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Sample Description	Method Analyte Units LOD	WEI-21 Record Wt. kg 0.02	PUL-QC Pass7Sum % 0.01	Aur-AA25 Au ppm 0.01
41564		2.98		
41565		2.90		
41566		2.98		
41567		3.61		
41568		3.63		
41569		3.46		
41570		4.06		
41571		3.86		
41572		3.84		
41573		3.95		
41574		3.88		
41485 - 41488 Composite 1				<0.01
41489 - 41489 Composite 2				<0.01
41493 - 41496 Composite 3				<0.01
41497 - 41500 Composite 4				<0.01
41501 - 41504 Composite 5				<0.01
41505 - 41508 Composite 6				<0.01
41509 - 41512 Composite 7				<0.01
41513 - 41516 Composite 8				<0.01
41517 - 41520 Composite 9				<0.01
41521 - 41524 Composite 10				<0.01
41525 - 41528 Composite 11				0.01
41529 - 41532 Composite 12				1.03
41533 - 41536 Composite 13				<0.01
41537 - 41540 Composite 14				<0.01
41541 - 41544 Composite 15				<0.01
41545 - 41548 Composite 16				<0.01
41549 - 41552 Composite 17				<0.01
41553 - 41557 Composite 18				<0.01
41558 - 41561 Composite 19				<0.01
41562 - 41565 Composite 20				<0.01
41566 - 41569 Composite 21				<0.01
41570 - 41573 Composite 22				<0.01
41574 - 41577 Composite 23				<0.01
41575		4.30		
41576		3.64		
41577		5.97		

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Project: Moina Gold 119-5-22

CERTIFICATE OF ANALYSIS BU22130378

CERTIFICATE COMMENTS	
	<p>LABORATORY ADDRESSES</p> <p>Processed at ALS Perth located at 31 Denninup Way, Malaga, Australia. Processed at ALS Perth Sample Preparation at 79 Distinction Road, Wangara, WA, Australia BAG-21</p> <p>Processed at ALS Townsville located at 14-15 Desma Court, Bohle, Townsville, QLD, Australia. AU-AA25</p> <p>Processed at ALS Burnie located at 39 River Road, Burnie, TAS, Australia. BAG-01 PUL-23</p> <p>LOG-22 WEI-21</p> <p>LEV-01 SPL-21</p>
<p>Applies to Method:</p> <p>Applies to Method:</p> <p>Applies to Method:</p>	



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QC CERTIFICATE BU22130378

Project: Moina Gold 19-5-22
 This report is for 117 samples of Drill Core submitted to our lab in Burnie, TAS, Australia on 19-MAY-2022.
 The following have access to data associated with this certificate:
 GRANT MACDONALD
 GEOFFREY SUMMERS

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
BAG-21	Raw Sample in a new bag
LEV-01	Waste Disposal Levy
CRU-21	Crush entire sample
PUL-23	Pulv Sample - Split/Retain
BAG-01	Bulk Master for Storage
SPL-21	Split sample - riffle splitter
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Aii-AA25	Ore Grade Au 30g FA AA finish	AAS

Signature:

Peter Neville, Laboratory Manager

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QC CERTIFICATE OF ANALYSIS BU22130378

Sample Description	Method Analyte Units LOD	Au-AA25 Au ppm 0.01
STANDARDS		
OREAS 240		5.46
Target Range - Lower Bound		5.17
Upper Bound		5.85
SQ87		30.8
Target Range - Lower Bound		29.0
Upper Bound		32.7
TAZ-20		0.28
Target Range - Lower Bound		0.27
Upper Bound		0.33
BLANKS		
BLANK		<0.01
Target Range - Lower Bound		<0.01
Upper Bound		0.02
DUPLICATES		
41509 - 41512 Composite 7		<0.01
DUP		<0.01
Target Range - Lower Bound		<0.01
Upper Bound		0.02
ORIGINAL		0.39
DUP		0.84
Target Range - Lower Bound		0.57
Upper Bound		0.66
ORIGINAL		0.01
DUP		0.01
Target Range - Lower Bound		<0.01
Upper Bound		0.02

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Project: Moina Gold 19-5-22

QC CERTIFICATE OF ANALYSIS BU22130378

CERTIFICATE COMMENTS	
<p>Applies to Method:</p> <p>Applies to Method:</p> <p>Applies to Method:</p>	<p>LABORATORY ADDRESSES</p> <p>Processed at ALS Perth located at 31 Denminup Way, Malaga, Australia. Processed at ALS Perth Sample Preparation at 79 Distinction Road, Wangara, WA, Australia BAG-21</p> <p>Processed at ALS Townsville located at 14-15 Desma Court, Bohle, Townsville, QLD, Australia. Au-AA25</p> <p>Processed at ALS Burnie located at 39 River Road, Burnie, TAS, Australia. BAG-01 PUL-23</p> <p>LOG-22 WEI-21</p> <p>LEV-01 SPL-21</p>



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CERTIFICATE BU22171792

Project: Moina Gold 27-6-22
 This report is for 19 samples of Drill Core submitted to our lab in Burnie, TAS, Australia on 27-JUN-2022.
 The following have access to data associated with this certificate:
 GRANT MACDONALD
 GEOFFREY SUMMERS

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample logtin - Rcd w/o BarCode
LEV-01	Waste Disposal Levy
CRU-21	Crush entire sample
PUL-23	Pulv Sample - Split/Retain
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
Au-AA25	Ore Grade Au 30g FA AA finish

Peter Neville, Laboratory Manager

Signature:

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CERTIFICATE OF ANALYSIS BU22171792

Sample Description	Method Analyte Units LOD	WEI-21		PUL-OC		Au-AA425	
		Recvd Wt. kg	0.02	Pass7Sum %	0.01	Au ppm	0.01
41578		2.33		94.9		<0.01	
41579		1.53				<0.01	
41580		2.25				0.01	
41581		2.44				0.01	
41582		2.22				<0.01	
41583		1.62				0.01	
41584		2.49				0.01	
41585		2.08				<0.01	
41586		2.12				<0.01	
41587		2.12				0.05	
41588		2.17				0.01	
41589		2.25				<0.01	
41590		2.52				<0.01	
41591		2.30				<0.01	
41592		1.77				0.03	
41593		2.40				0.01	
41594		1.69				<0.01	
41595		2.30		94.9		0.02	
41596		0.06				0.28	

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Project: Moina Gold 27-6-22

CERTIFICATE OF ANALYSIS BU22171792

CERTIFICATE COMMENTS	
Applies to Method:	LABORATORY ADDRESSES Processed at ALS Townsville located at 14-15 Desma Court, Bohle, Townsville, QLD, Australia. Au-AA25
Applies to Method:	Processd at ALS Burnie located at 39 River Road, Burnie, TAS, Australia. CRU-21 PUL-QC
	LOG-22 WEI-21 PUL-23



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QC CERTIFICATE BU22171792	
Project: Moina Gold 27-6-22	
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The following have access to data associated with this certificate: GRANT MACDONALD GEOFFREY SUMMERS	

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample log/in - Rcd w/o BarCode
LEV-01	Waste Disposal Levy
CRU-21	Crush entire sample
PUL-23	Pulv Sample - Split/Retain
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
AU-AA25	Ore Grade Au 30g FA AA finish
INSTRUMENT	
AAS	

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Peter Neville, Laboratory Manager

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QC CERTIFICATE OF ANALYSIS BU22171792

Sample Description	Method Analyte Units LOD	Au-AA25 Au ppm 0.01
STANDARDS		
OREAS 235		1.58
Target Range - Lower Bound		1.48
Upper Bound		1.70
OREAS 240		5.57
Target Range - Lower Bound		5.17
Upper Bound		5.85
BLANKS		
BLANK		<0.01
Target Range - Lower Bound		<0.01
Upper Bound		0.02
DUPLICATES		
41589		<0.01
DUP		<0.01
Target Range - Lower Bound		<0.01
Upper Bound		0.02
ORIGINAL		0.04
DUP		0.03
Target Range - Lower Bound		0.02
Upper Bound		0.05

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QC CERTIFICATE OF ANALYSIS BU22171792

CERTIFICATE COMMENTS	
<p>Applies to Method: Au-AA25</p> <p>Applies to Method: CRU-21 PUL-QC</p>	<p>LABORATORY ADDRESSES</p> <p>Processed at ALS Townsville located at 14-15 Desma Court, Bohle, Townsville, QLD, Australia. Au-AA25</p> <p>Processed at ALS Burnie located at 39 River Road, Burnie, TAS, Australia. CRU-21 PUL-QC</p> <p>LOG-22</p> <p>PUL-23</p>



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Page: 1
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 5-SEP-2022
 This copy reported on 20-SEP-2022
 Account: MOIGOL

CERTIFICATE BU22217071

Project: Moina Gold 5-8-22
 This report is for 18 samples of Drill Core submitted to our lab in Burnie, TAS, Australia on 5-AUG-2022.
 The following have access to data associated with this certificate:
 GRANT MACDONALD
 GEOFFREY SUMMERS

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LEV-01	Waste Disposal Levy
CRU-21	Crush entire sample
PUL-23	Pulv Sample - Split/Retain
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	
AS-OG62	Ore Grade As - Four Acid	
AU-AA25	Ore Grade Au 30g FA AA finish	AAS

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
 ***** See Appendix Page for comments regarding this certificate *****

Signature:

Shaun Kenny, Brisbane Laboratory Manager



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CERTIFICATE OF ANALYSIS BU22217071

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Method Analyte Units	WER-21 Recvd Wt. kg	PUL-QC Pass/Sum %	Au ppm	Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Pb ppm	ME-ICP61 Zn ppm	ME-ICP61 Bi ppm	ME-ICP61 Co ppm	ME-ICP61 Mo ppm	ME-ICP61 Sb ppm	ME-ICP61 W ppm	AS-0662 As %
Sample Description	0.07	0.01	0.01	0.5	<0.5	8	2	8	<2	<1	2	<5	<10	
41684	1.39	97.9	9.84	8.2	>10000	529	1315	54	19	25	54	41	10	3.60
41685	1.36		7.37	23.7	>10000	4050	523	1790	58	24	<1	44	10	1.830
41686	1.63		1.02	9.1	4100	537	1110	47	26	4	1	28	20	
41687	1.20		1.02	22.9	8470	188	6950	74	<2	9	1	44	20	
41688	1.33		0.34	6.3	1455	101	3190	117	<2	3	3	35	20	
41690	0.97		0.39	12.9	2890	204	5800	2120	<2	4	2	50	10	
41691	0.99		0.03	2.6	106	35	1225	38	<2	3	1	30	10	
41692	1.06		0.03	1.8	222	24	671	96	<2	3	1	15	10	
41693	1.04		0.01	0.6	43	6	184	37	<2	3	1	10	<10	
41694	1.29		0.01	0.9	200	58	368	32	<2	4	2	7	<10	
41695	0.97		<0.01	<0.5	17	3	69	34	<2	4	1	10	<10	
41696	1.12		<0.01	<0.5	52	4	41	33	<2	3	1	11	<10	
41697	1.11		<0.01	<0.5	43	4	48	34	<2	4	1	6	<10	
41698	1.09		0.04	<0.5	185	14	50	31	<2	8	2	9	10	
41699	1.10		0.02	<0.5	87	27	35	33	<2	5	1	7	<10	
41700	1.27		<0.01	<0.5	26	2	42	42	<2	3	1	10	<10	
41701	0.06		0.35	19.3	424	512	4090	>10000	5	7	11	51	<10	

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Project: Moina Gold 5-8-22

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CERTIFICATE OF ANALYSIS BU22217071

CERTIFICATE COMMENTS

ACCREDITATION COMMENTS

NATA Accreditation covers the performance of this service but does not cover the performance of ALS Brisbane Sample Preparation. Corporate Accreditation No:825, Corporate Site No:818. Technical Signatory: Christopher Snowdon, ICPAES Reporting Chemist
 ME-ICP61 Zn-OG62

LABORATORY ADDRESSES

Processed at ALS Townsville located at 14-15 Desma Court, Bohle, Townsville, QLD, Australia.
 Au-AA25

Processed at ALS Brisbane located at 32 Shand Street, Stafford, Brisbane, QLD, Australia. Processed at ALS Brisbane Sample Preparation at 23 Pineapple Street, Zillmere, QLD, 4034, Australia
 As-OG62 ME-ICP61 Zn-OG62

Processed at ALS Burnie located at 39 River Road, Burnie, TAS, Australia.
 CRU-21 LEV-01 PUL-23
 PUL-QC WEI-21

Applies to Method:

Applies to Method:

Applies to Method:

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QC CERTIFICATE BU2217071

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This report is for 18 samples of Drill Core submitted to our lab in Burnie, TAS, Australia on 5-AUG-2022.
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 GRANT MACDONALD
 GEOFFREY SUMMERS

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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LEV-01	Waste Disposal Levy
CRU-21	Crush entire sample
PUL-23	Puly Sample - Split/Retain
PUL-OC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	
As-OG62	Ore Grade As - Four Acid	
Au-AA25	Ore Grade Au 30q FA AA finish	AAS

Shaun Kenny
 Shaun Kenny, Brisbane Laboratory Manager

Signature:

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
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Project: Moina Gold 5-8-22
QC CERTIFICATE OF ANALYSIS BU22217071

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Sample Description	Method Analyte Units LOD	ME-ICP61													AS-OG62	
		Au-AA25	Ag	As	Cu	Pb	Zn	Zn	Bi	Co	Mo	Sb	W	As	As	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
EMOG-17	Target Range - Lower Bound															0.058
	Upper Bound															0.061
EMOG-17	Target Range - Lower Bound	65.8	561	7800	6850	7100	3	720	1035	758	<10					
	Upper Bound	60.4	517	7740	6570	6800	<2	695	996	638	<10					
GBM321-8	Target Range - Lower Bound	75.0	643	8810	8030	8320	10	889	1220	874	20					
	Upper Bound	2.7	53	3490	2030	1070	3	26	58	<5	<10					
GRM398-1	Target Range - Lower Bound	1.8	43	3380	1840	961	<2	23	57	<5	<10					
	Upper Bound	4.0	69	3890	2260	1180	5	30	72	12	20					
OREAS 139	Target Range - Lower Bound															0.033
	Upper Bound															0.029
OREAS 139	Target Range - Lower Bound															0.034
	Upper Bound															
OREAS 235	Target Range - Lower Bound	1.55														
	Upper Bound	1.48														
OREAS 240	Target Range - Lower Bound	5.83														
	Upper Bound	5.17														
OREAS 922	Target Range - Lower Bound	0.7	5	2040	63	276	10	19	<1	<5	<10					
	Upper Bound	<0.5	<5	1970	51	238	6	17	<1	<5	<10					
OREAS 97	Target Range - Lower Bound	1.9	17	2270	67	296	15	23	3	11	20					
	Upper Bound															0.063
OREAS-136	Target Range - Lower Bound															0.221
	Upper Bound															0.206
	Upper Bound															0.223

STANDARDS

Zn-OG62
 2.06
 1.955
 2.10

13.65
 13.15
 14.10

0.060
 0.067

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QC CERTIFICATE OF ANALYSIS BU22217071

Sample Description	Method Analyte Units LOD	QC CERTIFICATE OF ANALYSIS BU22217071												
		Au-AA25 ppm 0.01	Ag ppm 0.5	As ppm 5	Cu ppm 1	Pb ppm 2	Zn ppm 2	ME-ICP61 ppm 2	ME-ICP61 ppm 2	Bi ppm 2	Co ppm 1	Mo ppm 1	Sb ppm 5	W ppm 10
ORIGINAL		<0.5		20	3	7	41		<2	19	1	<5	10	
DUP		<0.5		13	1	5	39		<2	14	1	<5	10	
Target Range - Lower Bound		<0.5		11	<1	4	36		<2	15	<1	<5	<10	
Upper Bound		1.0		22	3	8	44		4	18	2	10	20	
DUPLICATES														

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Applies to Method:	