Moina Gold Pty Ltd

Exploration Drilling Grant Initiative – Round 1: Report on Drill Hole LMD5 at Basin Lake Prospect on EL 11/2016 “Lake Margaret”

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Executive Summary

This report details the results of the drilling of a 133.5m deep drill hole at the Basin lake prospect, EL 11/2016 “Lake Margaret”, as part of the requirements for State Government co-funding of the drilling costs under the Exploration Drilling Grant Initiative, round 1.

Moina Gold Pty Ltd were successful in securing co-funding for a up to 700m deep drill hole targeting a 450m long chargeability anomaly coincident with a Cambrian quartz porphyry unit, considered prospective for epithermal copper+/-gold mineralisation.

The hole was commenced on 15th July 2019 and abandoned on 15th August 2019 at a depth of 133.5m due to severe ground conditions. Actual drilling stopped on 5th August with the five days subsequent spent trying to move rods.

It was decided that re-drilling the hole during the winter months was not feasible.

The rig was removed from site and the site rehabilitated.

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1.0 Introduction

1.1 Introduction

This report details the drilling of a single diamond drill hole LMD5 at the Basin Lake prospect on EL 11/2016 "Lake Margaret" during the period 15th July to 5th Augustth 2019.

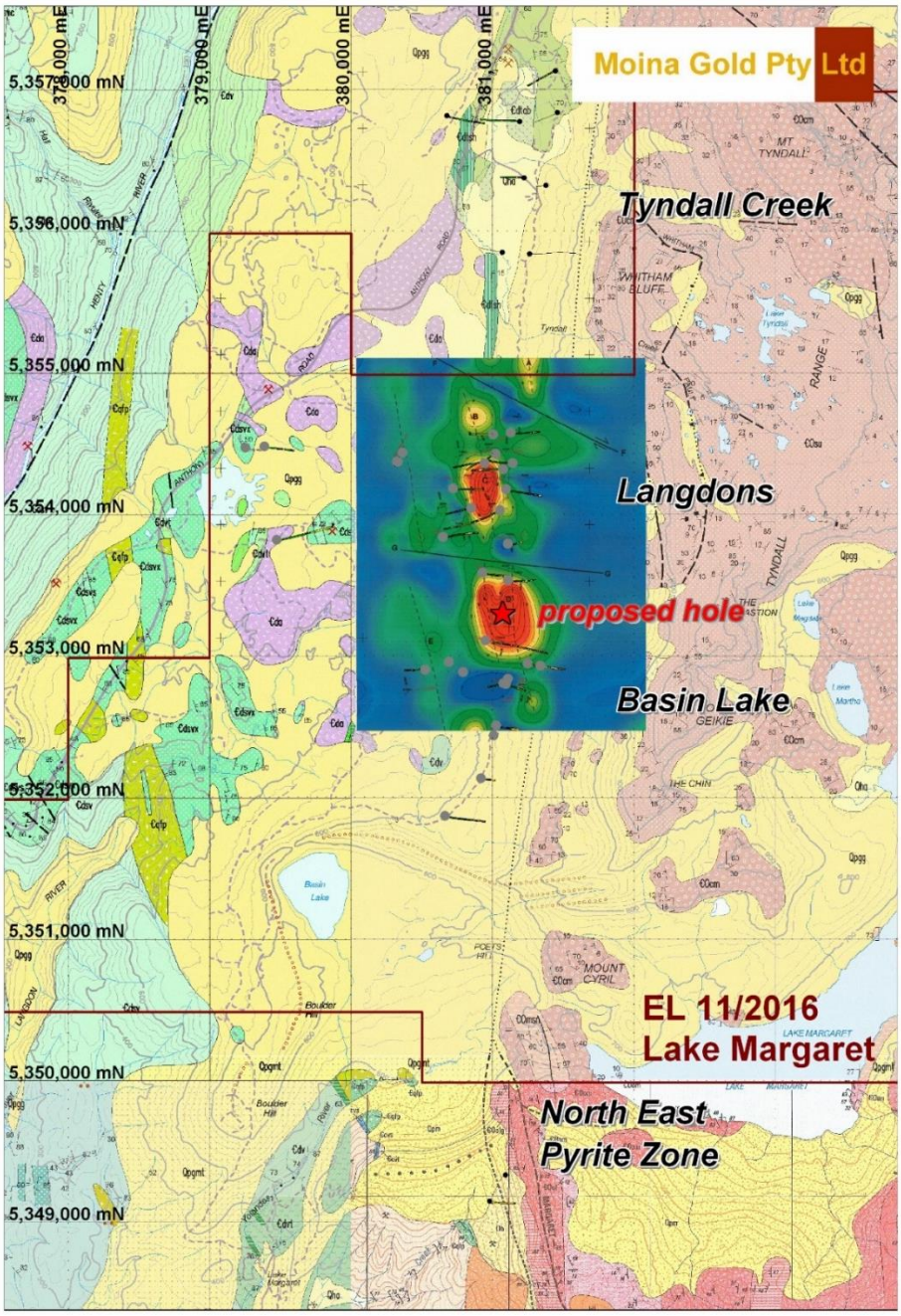

Figure 1.1: Location of Basin Lake and Langdons prospects in EL 11/2016 "Lake Margaret" with dipole-dipole IP survey chargeability at 350m depth and proposed hole on 1:25,000 geology.

1.2 Tenement Location/Access/Land Usage

EL 11/2016 "Lake Margaret" lies midway between the Mt Lyell copper+gold mine to the south and Henty gold mine to the north. The licence covers a section of the north-south trending Tyndall Range and the foot slopes down to the Yolande RIver.

The land is Crown Land and part of the Tyndall Regional Reserve for the most part with the northwest corner Future Productive Forest land. Access to the prospect is by the HEC powerline track which turns off the Henty-Anthony Road near the Tyndall Creek bridge and extends to meet the Lake Margaret township road to the south.

Vegetation is largely heath with some pockets of rain forest on the lower slopes with alpine vegetation along the range.

Figure 1.2: EL 11/2016 "Lake Margaret" looking south along the western slopes of the Tyndall Range with the powerline to the left and the target horizon along the base of the slope. The Basin Lake prospect and drill hole LMD5 is in the distance, perhaps somewhere near the point of the right hand power pole in the foreground.

1.3 Tenure

The licence has been held 100% by Moina Gold Pty Ltd since its granting in April, 2017.

1.4 Exploration Rationale

EL 11/2016 "Lake Margaret" contains 5 km's of strike of the Mt Read Volcanics, and in particular those rocks aged ~500ma. This time of active bimodal volcanism and intrusion saw accompanying hydrothermal fluids both venting onto the seafloor and altering the rocks beneath it, with the formation of the polymetallic sulphide orebodies of Hellyer, Que River and the Tasman and Crown lenses (at Mt Lyell) largely by the former exhalative processes, and Henty, Hercules, Rosebery and Mt Lyell largely by the latter replacement and processes.

Of principal interest in the targeting of LMD5 was a quartz feldspar porphyry which is associated with mineralisation in a number of these orebodies. An enigmatic highly altered copper+gold mineralised glacial erratic located at the Basin Lake prospect contains analogous quartz phenocrysts and is interpreted to be from this unit.

This porphyry has been intersected in drilling to date at both the Basin Lake and Langdons prospects where it has been highly altered to paragonite+illite and paragonite+pyrophyllite, argillic and advanced argillic alteration facies respectively.

Historically exploration has focused on discovering massive sulphides and particularly using EM methods. The recognition that epithermal and footwall alteration style (sulphide, silica)

mineralisation are possible alternatives means IP and CSAMT are more relevant geophysical tools with disseminated and/or stockwork style mineralisation reflected by elevated chargeabilities.

Advances in the mapping of alteration facies utilising Short Wavelength Infra-Red spectroscopy and trace element "pathfinder" lithogeochemistry (e.g. As, Sb, Tl, Bi) have allowed for geochemical vectoring within footwall alteration systems.

Figure 1.3: Glacial erratic of intensely advanced argillically altered volcanic assaying 5.6% Cu and 0.6g/t Au.

2.0 Review of Previous Work

The Basin Lake prospect has been explored since the mid 1960's. From then until 1986 the Mt. Lyell Mining and Railway Company and related company Goldfields Exploration undertook systematic mapping and stream sediment sampling followed by soil sampling, IP and EM surveys over several grids (on ELs 41/71, EL 9/66 and EL 10/69). Specific targets generated in this work were drilled at the Zig Zag Hill, Beatrice, Basin Lake and Leech Hill prospects.

BHP Minerals (EL 102/87) conducted a blanket UTEM survey of the Mount Read Volcanics designed to test for volcanogenic massive sulphides to 200-300m depth over the southern half of the Lake Margaret property in 1988-1990. No significant conductors deemed worthy of drilling were detected.

In 1992, RGC Ltd (the successor to Goldfields Exploration) entered into a farm-in agreement with BHP in EL 102/87 but focused their initial efforts elsewhere within that tenement.

During the period 1988-1998, the northern part of the Lake Margaret tenement was explored by Billiton followed by then farm-in partners Aberfoyle and Resolute. Work completed included an airborne magnetic-radiometric survey, ground magnetics, gravity, CSAMT, IP and EM over various targets. Drilling focused on testing of geochemical and geophysical anomalies at Basin Lake and Leech Hill.

During this time the southern area was held and explored by Goldfields Exploration and its successors AurionGold and Placer Dome. A series of target areas were followed up with dipole-dipole IP. Five holes were drilled in this period (TYN17-21).

During this period an outcropping glacial erratic (figure 2.2) of intensely hydrothermally altered volcanic was discovered. The mineral assemblages are of high sulphidation type with average copper grades of 5.6%, gold 0.6g/t and silver 29g/t.

The mineralogy of this erratic – an intensely silicified rock with pyrite, enargite and tennantite and trace covellite, stannoidite and mawsonite is very similar to the mineralogy at North Lyell and the high copper grade part of the Iron Blow. The fact that this mineralisation occurs in glacial float suggests that the original source may be outcropping but covered by glacial deposits.

In 2004 Copper Strike pegged the area which became ERA 1033 as EL 35/2004.

Copper Strike carried out a systematic review of previous exploration, reprocessing and reinterpretation of the WTRMP 2001-02 helicopter EM survey, a dipole-diploe IP survey and diamond drill hole LMD01/1A located to test an IP anomaly. The hole intersected pyrite-chlorite-sericite-quartz-siderite alteration but low associated base metal values Recommendations to extend the IP survey to the north (i.e. into EL 11/2016) were not followed up and Copper Strike relinquished the ground in 2009.

Bass Metals successfully tendered for the ground and explored it under EL 28/2009. Bass undertook a regional scale Short Wave Infra Red (SWIR) study of hydrothermal alteration in all drillcore from the tenement in combination with core sampling and analysis for trace element using ICPMS/OES.

Bass collected 8777 spectral measurements from 56 holes and 1467 lithogeochemical samples.

High-sulphidation epithermal type alteration minerals were mapped in a number of drillholes at Basin Lake and Langdons consistent with the high-sulphidation copper sulphide minerals described from the boulder of high grade copper ore and supporting the interpretation that the source of the boulder is proximal. Favourable argillic alteration is also mapped at the North East Pyrite Zone in drillhole LMD1.

Field mapping of glacial erratics to determine the spatial distribution of altered and mineralised types was carried out followed by a 3 hole diamond drilling program (totalling 448.6m) designed to test the upslope potential source of the erratic.

An MMI soil survey in 2011 on the projection of the Great Lyell Fault in the northern part of the licence did define anomalous responses at a number of localities. This survey was extended in 2013 to cover a strike of 2.5km's.

3.0 Work Completed

The plan was to drill a ~700m diamond drill hole to test a 450m long chargeability anomaly which corresponds with the projection of a quartz feldspar porphyritic intrusive at the Basin Lake prospect where previous drilling had intersected hydrothermally altered rocks consistent with the glacial erratic.

Alan and Max Harvey of Diamond Drilling Tas Pty Ltd were contracted to drill the hole using a track mounted Longyear 44.

In order to comply with the timing requirements of the first round of the Exploration Drilling Grant Initiative (EDGI) the hole needed to be finished by October.

The rig move started on 8th July 2019.

Access to the site was from the bitumen Anthony Road was by the gravel road which follows the high voltage powerlines to a point at 380,915mE 5,353,290mN. The rig then walked upslope across the heath (no new track was created) to the collar site, a distance of 100m. Drill rods and fuel were carried by a rubber tracked Moruka crawler across the same heath. There was minimal impact from these movements.

The rig was on-site and drilling on the 15th July.

Glacial and/or scree material consisting of hard siliceous quartz pebble conglomerates and very minor volcanic fragments in an unconsolidated sandy matrix were intersected to a depth of 14.4m.

Coring was in HQ with HWT casing advanced to 9m, however, these unconsolidated rocks were causing drilling difficulties so. The rods and casing were withdrawn for a bit change and the HWT casing readvanced to 15m with HQ coring recommenced.

Below these glacials the hole intersected strongly clay altered intermediate volcanics.

HQ coring continued to 79m at which depth clays had started causing difficulties also and caused the rods to part at 51m. Attempts to fish these rods out were unsuccessful and it was concluded that a void had formed due to washing away the clays.

HQ was then reamed past these HQ rods and NQ drilled through the HQ barrel with NQ core from 79m. HQ casing was advanced to 84m.

NQ coring continued to a depth of 98m when a bit change and rod pull was required. The hole was then advanced to 99.5m when a tube mislatch occurred necessitating another rod pull.

On re-entering the hole the NQ rods could not pass 42m and caused the HQ casing to break at this depth. Fishing was unsuccessful with the tool not coupling with the HQ casing for similar reasons to the rod parting at 51m earlier.

It was decided to try and ream past these broken rods with HQ to 45m. NQ tricone was then drilled to clean out the hole to a depth of 99.7m with HQ casing advanced to 66.6m.

NQ coring recommenced and continued to 112m with sands and gravels continuing to fall into the hole from the glacials nearer surface. An attempt was made to cement the bottom of the hole but this was unsuccessful.

Continued NQ coring to 133.5m (ultimately end of hole depth) when sand entering the hole caused the rods to bog.

Attempts to free the rods caused a mechanical breakdown on the rig. This was repaired and further attempts to free the rods were made. HQ casing was advanced but broke again at 39m.

BQ was then drilled through the NQ rod string and barrel in order to guide retrieval of NQ and HQ rods, however, the NQ string broke again at 97m leaving the barrel and 3m of NQ down the hole.

The remaining NQ rods and BQ rods were pulled leaving 29 HQ drill rods and HQ barrel as well as a single NQ rod and NQ barrel down the hole.

The hole was abandoned, machinery removed and the site rehabilitated.

The core was processed, photographed and logged.

No core was assayed nor was down hole EM surveyed down the hole.

4.0 Discussion of Results

The hole did not penetrate to sufficient depth to test the target and as such there are no significant results to detail.

The hole was completed to a depth of 133.5m being HQ to 79m, NQ below that.

The collar was surveyed by handheld GPS at 381,010mE and 5,353,285mN and an RL of ~575masl.

A summary log of the hole drilled follows:

LMD5 - Summary Log

0.00	14.4	Glacials
14.4	133.5	Variably weathered, feldpar hornblende phyric andesite with weak patchy albite +/- epidote alteration (propylitic)
133.5		End of hole

Clay persists from 14.4m to 114.3m with some fresh andesite between 14.4m and 25.5m and below 101.7m.

The andesite intersected looks to be from a single body with no obvious breaks, increases or decreases in phenocryst abundance and/or size. Much of the clay can be described as saprolitic with hornblende and feldspar phenocrysts recognisable.

Weak patchy pale red albite alteration is recognisable in fresh andesite. Weak but pervasive epidote alteration is logged between 114.3m and 123.6m with a single 10mm thick quartz+epidote vein at 80° to core axis at 122.5m. There is no suggestion of any sulphide mineralisation.

There is no suggestion of any faulting.

A plan of the drill hole location and section shwoing the hole w.r.t. the target position are shown in figures 4.1 and 4.2

Figure 4.1: Legend for following plan (figure 4.2) and section (figure 4.3).

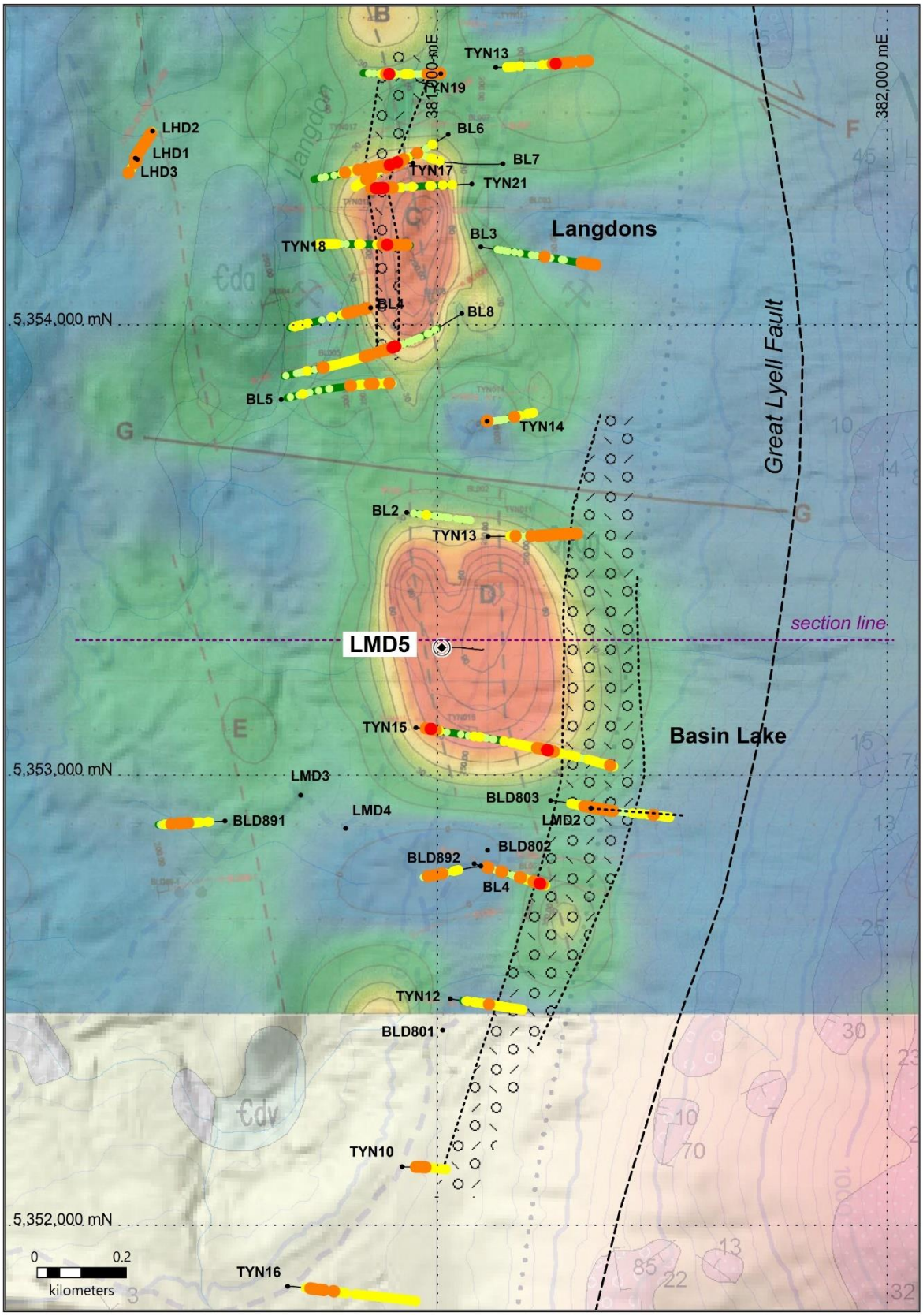

Figure 4.2: Location of LMD5 at Basin Lake prospect showing target porphyry superimposed on 3D inverted dipole-dipole IP chargeability at 35m depth.

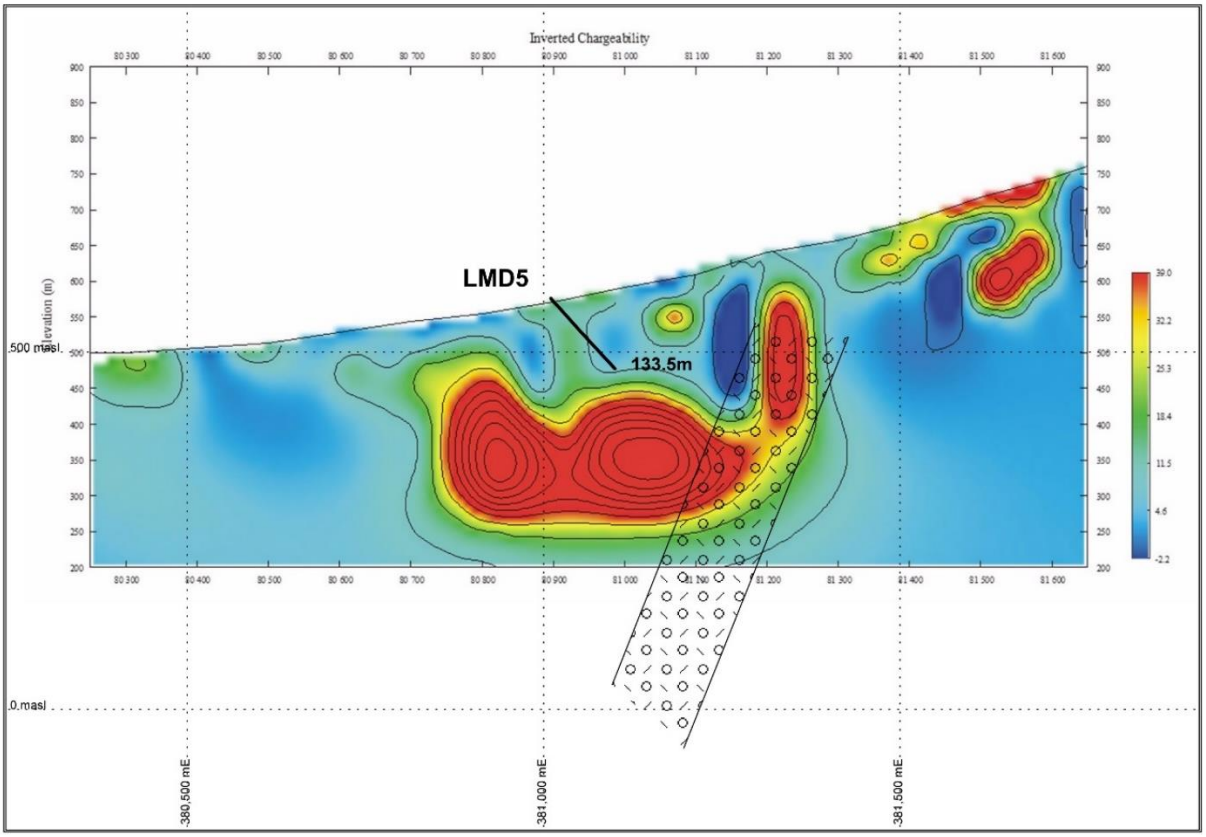

Figure 4.3: Section 5,353,300mN showing trace of LMD5 with respect to the quartz porphyry unit superimposed on dipole-dipole IP chargeability.

5.0 Conclusions

The principal conclusion is that the hole was a failure in that it failed to reach its target or provide any significant information about the target due to difficult (severe) drilling conditions.

Conclusions may also be drawn regarding the reasons for this failure.

Firstly, it must be recognised that this risk was identified in the original proposal i.e.

> *Secondly, from a drilling perspective it is conceivable that the glacials overlying the bedrock geology may provide difficult drilling conditions. To mitigate against this risk a contingency has been provided in the budget costings to allow for regular cementing. Further the drilling contractor has drilling equipment capable of allowing the advancing of larger diameter casing without withdrawing the HQ and NQ rod string. With both measures and the experience of the proposed drilling contractor, Max Harvey of Zeehan, it is expected that this risk will be minimised.* (MacDonald, 2019b)

These mitigation measures were clearly not sufficient with cementing unsuccessful due to the development of voids in the clay. Advancing HWT casing was limited by the life of the shoe bit to 15m. Sands and gravels from the glacials from surface to 14.4m continued to pour into the hole as it continued indicating that this casing was not effective.

The desire to minimise environmental impact by reducing the access track length, requiring a shallower dipping drill hole, has contributed to the failure.

Also, the need to complete this drill hole during the wetter winter months, with the period in 2019 when the drilling took place seeing heavy rains and flooding of rivers in the area, could also have contributed to sands and gravels washing into the drill hole.

The target remains a valid target for further drilling in the future.

6.0 Environmental Management

The site was accessed from the gravel road which follows the powerline.

The rig and its support vehicle were both tracked. The rig has steel tracks on a 25t excavator base. The support vehicle is a Moruka crawler with broad rubber tracks.

The two tracked vehicles travelled from a point at 380,915mE 5,353,290mN upslope to the site at 381,010mE 5,353,285mN with the crawler carrying the rods and fuel. The crawler made another 4 or 5 trips for fuel, and to transport a broken part, during the life of the hole.

Figure 6.1: Access track to drill site near completion of hole.

The tracked vehicles rode over the heath vegetation flattening plants but not removing them. Further the matted heath stopped the tracked vehicles from breaking through into the peat substrate.

A sump was dug by hand with decanting water passing onto a broad slope and not into distinct watercourses.

Figure 6.2: LMD5 drill site at completion of hole. Hand dug sump in right foreground.

On completion of the hole the tracked vehicles again travelled across the heath to the gravel access road.

The drill site was cleaned with the hole capped and covered by peat and heath vegetation which had been set to the side.

The sump was filled by hand.

There is essentially no evidence of the drilling work now.

7.0 Digital file listing

Exploration Work Type	Filename	File format
Report	EL112016_202004_01_EDGI_LMD5_report.pdf	*pdf*
Drilling	EL112016_202004_02_Drillhole_collars_1.xls EL112016_202004_03_Drillhole_surveys_1.xls EL112016_202004_04_Drillhole_lithology_1.xls	xls xls xls
File Verification Listing	EL112016_202004_FileListing.xls	xls

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Appendix A – Drill Logs

Moina Gold Pty Ltd **BHID** **LMD5**

Project	BHID	Easting	Northing	RL	Depth	Geologist
Lake Margaret	LMD5	381010	5353285	575	133.5	GMacD

Surveys

Depth	Azm (TN)	Dip
0	90	-50
30	91	-48
90	96	-47
12	97	-47.5

Collar Survey

By: Handheld GPS (error +/- 3m)

Down Hole Survey

Instrument: Eastman single shot

Project: Lake Margaret

Prospect: Langdons

Datum: GDA94

Geologist: Grant MacDonald

Drill Date: Start: 15-July-2019

Finish: 15-August-2019

Drill Company: Alan Harvey

Driller: Alan Harvey

EOH Depth: 133.5

Recovery %: 58

Hole Size:

From	Size
0	HQ
79	NQ

Summary Log

0	14.4	Glacials
14.4	133.5	Variably weathered, feldpar hornblende phyric andesite with weak patchy albite +/- epidote alteration (propylitic)
	133.5	EOH

Drill Log - LMD5

BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	L.Cont.	Description
LMD5	0	14.4	QGC	Glacials		Purplish red	Sharp	Unconsolidated conglomerate of probable glacial origin with perhaps some component of scree from the Tyndall Range up slope. Only clasts recovered in drilling with intersticial sands lost. Clasts consist 95% of hematitic quartz pebble conglomerate and 5% feldspar hornblende phyric andesite (FHbpA) displaying weak albite (propyliitic) alteration. Andesite clasts look identical to unit intersected downhole.
LMD5	14.4	25.5	ARA	FHbpA	Clay & weak albite (propylitic)	Orange	Gradational	Variably weathered feldspar hornblende phyric andesite (FHbpA) with ~50% strongly weathered with orange clay after feldspar hornblende andesite and ~50% more weakly weathered greenish orange feldpsar hornblende phyric andesite showing patchy weak albite alteration. Feldspar hornblende phyric andesite same as unit intersected downhole being phenocryst rich with euhedral feldspar 1-3mm long and euhedral hornblende 2-10mm long. Anthony Road Andesite ARA) unit.
LMD5	25.5	102	ARA	Clay	Clay	Orange brown	Gradational	Saprolitic orange clay after feldpsar hornblende andesite. Andesite is same as unit up and down hole being phenocryst rich with euhedral feldspars 1-3mm long and euhedral hornblende 2-10mm long.
LMD5	101.7	114	ARA	FHbpA	Clay & weak albite (propylitic)	Greeny orange	Gradational	Moderately weathered, greenish orange to tan feldspar hornblende phyric andesite with weak minor patchy albite (propylitic) alteration. Andesite is same as unit up and down hole being phenocryst rich with euhedral feldspars 1-3mm long and euhedral hornblende 2-10mm long.
LMD5	114.3	124	ARA	FHbpA	weak albite+epidote (propylitic)	Green	Gradational	Fresh feldspar hornblende phyric andesite with minor patchy albite and very weak but pervasive epidote alteration with 10mm thick quartz+epidote vein at 122.5m (at 80° to core axis). Andesite is same as unit up and down hole being phenocryst rich with euhedral feldspars 1-3mm long and euhedral hornblende 2-10mm long.
LMD5	123.6	133.5	ARA	FHbpA	Clay & weak albite (propylitic)	Greeny orange	Gradational	Moderately weathered, greenish orange to tan feldspar hornblende phyric andesite with weak minor patchy albite (propylitic) alteration. Andesite is same as unit up and down hole being phenocryst rich with euhedral feldspars 1-3mm long and euhedral hornblende 2-10mm long.

Geotech Sheet

BHID	From	To	Run length	Recovery	Recovery %
LMD5	0	3	3	1	33.3
LMD5	3	6	3	1	33.3
LMD5	6	9	3	0.6	20.0
LMD5	9	11	2	1	50.0
LMD5	11	13	2	0.8	40.0
LMD5	13	14.4	1.4	0.1	7.1
LMD5	14.4	15	0.6	0.6	100.0
LMD5	15	16	1	1	100.0
LMD5	16	17	1	1	100.0
LMD5	17	19	2	2	100.0
LMD5	19	20.4	1.4	0.6	42.9
LMD5	20.4	21.4	1	0.3	30.0
LMD5	21.4	22.4	1	0.3	30.0
LMD5	22.4	23.4	1	0.4	40.0
LMD5	23.4	24	0.6	0.2	33.3
LMD5	24	25	1	0.5	50.0
LMD5	25	25.5	0.5	0.25	50.0
LMD5	25.5	26.5	1	0.3	30.0
LMD5	26.5	27.2	0.7	0	0.0
LMD5	27.2	28	0.8	0.2	25.0
LMD5	28	28.7	0.7	0.5	71.4
LMD5	28.7	29.5	0.8	0.3	37.5
LMD5	29.5	31	1.5	1.2	80.0
LMD5	31	32.2	1.2	0.9	75.0
LMD5	32.2	33	0.8	0.2	25.0
LMD5	33	34	1	0.5	50.0
LMD5	34	35	1	1.5	150.0
LMD5	35	37	2	0.1	5.0
LMD5	37	38	1	1	100.0
LMD5	38	39	1	0.5	50.0
LMD5	39	40	1	0.1	10.0
LMD5	40	41.8	1.8	1.8	100.0
LMD5	41.8	43	1.2	1	83.3
LMD5	43	44.5	1.5	1	66.7
LMD5	44.5	46	1.5	1.5	100.0
LMD5	46	47.5	1.5	0.2	13.3
LMD5	47.5	49	1.5	0.7	46.7
LMD5	49	50.5	1.5	0.9	60.0
LMD5	50.5	52	1.5	0	0.0
LMD5	52	54	2	2	100.0
LMD5	54	55	1	0.3	30.0
LMD5	55	56	1	0.1	10.0
LMD5	56	57	1	0.6	60.0
LMD5	57	58	1	0.4	40.0
LMD5	58	59.5	1.5	1.5	100.0
LMD5	59.5	61	1.5	1	66.7
LMD5	61	62.5	1.5	0.3	20.0
LMD5	62.5	64	1.5	0.9	60.0
LMD5	64	65	1	0.5	50.0

LMD5	65	66	1	1	100.0
LMD5	66	67	1	0.2	20.0
LMD5	67	68	1	0.1	10.0
LMD5	68	68.8	0.8	0.1	12.5
LMD5	68.8	70	1.2	1.2	100.0
LMD5	70	71	1	0.1	10.0
LMD5	71	72	1	1	100.0
LMD5	72	73	1	1	100.0
LMD5	73	74	1	1	100.0
LMD5	74	75	1	0.3	30.0
LMD5	75	76	1	0.4	40.0
LMD5	76	78	2	2	100.0
LMD5	78	79	1	1	100.0
LMD5	79	81.5	2.5	2.5	100.0
LMD5	81.5	83	1.5	1	66.7
LMD5	83	85	2	0.3	15.0
LMD5	85	86	1	0.8	80.0
LMD5	86	87	1	0.8	80.0
LMD5	87	88	1	0.1	10.0
LMD5	88	89	1	0.1	10.0
LMD5	89	91	2	1.5	75.0
LMD5	91	92.3	1.3	1.3	100.0
LMD5	92.3	93.9	1.6	1	62.5
LMD5	93.9	95.1	1.2	1.2	100.0
LMD5	95.1	97	1.9	1.2	63.2
LMD5	97	98	1	1	100.0
LMD5	98	99	1	1	100.0
LMD5	99	100	1	0.9	90.0
LMD5	100	101.5	1.5	1	66.7
LMD5	101.5	103	1.5	1.5	100.0
LMD5	103	106	3	2	66.7
LMD5	106	107.5	1.5	0.4	26.7
LMD5	107.5	109	1.5	1.5	100.0
LMD5	109	110.2	1.2	0.4	33.3
LMD5	110.2	112	1.8	0.4	22.2
LMD5	112	114	2	0.2	10.0
LMD5	114	115.5	1.5	1.5	100.0
LMD5	115.5	117.5	2	2	100.0
LMD5	117.5	118.5	1	1	100.0
LMD5	118.5	121	2.5	2.5	100.0
LMD5	121	123.6	2.6	2.6	100.0
LMD5	123.6	125	1.4	0.5	35.7
LMD5	125	126	1	0.1	10.0
LMD5	126	127	1	0.3	30.0
LMD5	127	128	1	0.3	30.0
LMD5	128	130	2	0.3	15.0
LMD5	130	131	1	0.4	40.0
LMD5	131	133.5	2.5	0.5	20.0
		average	1.4	0.8	57.3

Appendix B - Drill Core Photos


HOLE I.D
TRAY #
DEPTH FROM
DEPTH TO
DRY
WET
LMD5
1
0.00
9.00
✓


HOLE I.D
TRAY #
DEPTH FROM
DEPTH TO
DRY
WET
LMD5
2
9.00
15.20
✓


HOLE I.D
TRAY #
DEPTH FROM
DEPTH TO
DRY
WET
LMD5
3
15.20
17.90
✓


LMD5 20-40
LMD5 19.00
LMD5 22-40
HOLE I.D
TRAY #
DEPTH FROM
DEPTH TO
DRY
WET
LMD5
4
17.9
22.4
✓


LMD5 23-10
LMD5 24-00m
LMD5 25-50
LMD5 26-50
LMD5 27-80
LMD5 26-00m
LMD5 28-10
LMD5 29-50
HOLE I.D
TRAY #
DEPTH FROM
DEPTH TO
DRY
WET
LMD5
5
22.4
29.5
✓


LMD5 32.00
LMD5 33-00
HOLE I.D
TRAY #
DEPTH FROM
DEPTH TO
DRY
WET
LMD5
6
29.5
34.0
✓


LMD5 35-00
LMD5 31-00
LMD5 38-00
HOLE I.D | TRAY # | DEPTH FROM | DEPTH TO | DRY | WET
LMD5 | 7 | 34.0 | 38.5 | ✓


LMD5 39-00
LMD5 20-00
LMD5 41-00
LMD5 44-00
HOLE I.D | TRAY # | DEPTH FROM | DEPTH TO | DRY | WET
LMD5 | 8 | 38.5 | 42.3 | ✓


LMD5 43-00
LMD5 47-00
HOLE I.D | TRAY # | DEPTH FROM | DEPTH TO | DRY | WET
LMD5 | 9 | 42.3 | 45.5 | ✓


HOLE I.D
TRAY #
DEPTH FROM
DEPTH TO
DRY
WET
LMD5
10
45.5
52.3
✓


HOLE I.D
TRAY #
DEPTH FROM
DEPTH TO
DRY
WET
LMD5
11
52.3
57.0
✓


HOLE I.D
TRAY #
DEPTH FROM
DEPTH TO
DRY
WET
LMD5
12
57.0
60.2
✓


HOLE I.D
TRAY #
DEPTH FROM
DEPTH TO
DRY
WET
LMD5
13
60.2
65.3
✓


HOLE I.D
TRAY #
DEPTH FROM
DEPTH TO
DRY
WET
LMD5
14
65.3
71.5
✓


HOLE I.D
TRAY #
DEPTH FROM
DEPTH TO
DRY
WET
LMD5
15
71.5
74.95
✓


LMD5 74.00
LMD5 78.00
LMD5 82.00
HOLE I.D | TRAY # | DEPTH FROM | DEPTH TO | DRY | WET
LMD5 | 16 | 74.95 | 78.0 | ✓


START
LMD5
LMD5 79.00
LMD5 81.50
LMD5 83.00
LMD5 85.00
17
HOLE I.D | TRAY # | DEPTH FROM | DEPTH TO | DRY | WET
LMD5 | 17 | 78.0 | 85.0 | ✓


LMD5
LMD5 86.00
LMD5 87.00
LMD5 88.00
LMD5 89.00
LMD5 91.00
LMD5 92.50
18
HOLE I.D | TRAY # | DEPTH FROM | DEPTH TO | DRY | WET
LMD5 | 18 | 85.0 | 92.5 | ✓


LMD5 93·90
LMD5 95·10
LMD5 97·30
LMD5 98·00
HOLE I.D | TRAY # | DEPTH FROM | DEPTH TO | DRY | WET
LMD5 | 19 | 92·5 | 98·1 | ✓


LMD5 99·00
LMD5 100·00
LMD5 101·50
LMD5 103·00
HOLE I.D | TRAY # | DEPTH FROM | DEPTH TO | DRY | WET
LMD5 | 20 | 98·1 | 104·5 | ✓


LMD5 106·00
LMD5 107·50
LMD5 109·00
LMD5 110·20
LMD5 114·00
HOLE I.D | TRAY # | DEPTH FROM | DEPTH TO | DRY | WET
LMD5 | 21 | 104·5 | 114·9 | ✓


START LMD5
LMD5 115.50
LMD5 117.50
LMD5 118.50
HOLE I.D | TRAY # | DEPTH FROM | DEPTH TO | DRY | WET
LMD5 | 22 | 114.9 | 119.8 | ✓


START LMD5
LMD5 121.00
LMD5 123.00
LMD5 125.00
HOLE I.D | TRAY # | DEPTH FROM | DEPTH TO | DRY | WET
LMD5 | 23 | 119.8 | 125.1 | ✓


START LMD5
LMD5 127.00
LMD5 129.00
LMD5 130.00
LMD5 131.00
HOLE I.D | TRAY # | DEPTH FROM | DEPTH TO | DRY | WET
LMD5 | 24 | 125.1 | 133.5 EOH

Appendix C – Daily Drill Reports

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-** 8/7/2019

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	Allan Harvey	8:00	4:00	8
ASSISTANT	Connar Harvey	8:00	4:00	8
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50°	77°				

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING						
MOVING		7				
TEAR DOWN/SET UP						
CASING						
PULL/ RUN RODS						
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS						
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY						
OTHER						
Travel	1					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS-
Load rig onto truck, Take to site entrance, unload rig + walk rig to drill site.

Signed- Diamond Drill Tasmania Pty Ltd

Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-** 9 /7/2019

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	9:00	5:00	8
ASSISTANT	C. Harvey			
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD5	-50°	77°				

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING						
MOVING						
~~TEAR DOWN~~/SET UP		7				
CASING						
PULL/ RUN RODS						
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS						
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY						
OTHER						
Travel	1					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS-
Place Rig on line.
Off load Crawler at road entrance & walk to site
Take drill equipment from road to drill site by crawler

Signed- Diamond Drill Tasmania Pty Ltd Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-** 10/7/2019

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	6	5	11
ASSISTANT	C. Harvey	6	5	11
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50	77°				

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING						
MOVING						
~~TEAR DOWN~~/SET UP		10				
CASING						
PULL/ RUN RODS						
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS						
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY						
OTHER						
Travel	1					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS-
Take remaining equipment to site by crawler.
Set up rig, ready to drill.

Signed- Diamond Drill Tasmania Pty Ltd

Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-12 /7/2019**

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	6:00	3:00	9
ASSISTANT	C. Harvey	6:00	3:00	9
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50	77°				

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING						
MOVING						
~~TEAR DOWN~~/SET UP		5				
CASING						
PULL/ RUN RODS						
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS						
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY						
OTHER						
Travel	1					
Bad Weather	3					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS- Please Note. No work 11/7/19 due to river flooding @ Site entrance.

Set up water Supply Pump.
Dig out & make a water sump to catch drill cuttings. Done by hand.
Lay out Diesel absorbant matting.

Signed Diamond Drill Tasmania Pty Ltd Signed Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-15 /7/2019**

CLIENT	**Moina Gold Pty Ltd**
LOCATION	Lake Margaret
RIG #	**44 Track**

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	6:00	5:00	11
ASSISTANT	C. Harvey	6:00	5:00	11
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50	77	HQ Core	0-00	11-00	11

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME	CONSUMABLES	QUANTITY
DRILLING	6			HWT Casing Shoe	x 1
MOVING				# 54621 GT	
TEAR DOWN/SET UP					
CASING		4			
PULL/ RUN RODS					
REAMING					
CONDITION HOLE					
FISHING/BOGGED RODS					
CEMENTING					
BREAKDOWN/MAINT'					
SURVEY					
OTHER					
Travel	1				

SURVEY DEPTH	DIP	AZI	DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS- Drilled to 11-00m HQ.
Run 6m HWT rod casing. Difficult to run due to glacials.
Need to continue running casing

Signed Diamond Drill Tasmania Pty Ltd Signed Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-16 /7/2019**

CLIENT	Moina Gold Pty Ltd			
LOCATION				
RIG #	44 Track			
	NAME	**START**	**FINISH**	**HOURS**
DRILLER	A. Harvey	6:00	11:30	5 1/2
ASSISTANT	C. Harvey	6:00	11:30	5 1/2
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50	77	Core	11.00	15.00	4

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME	CONSUMABLES	QUANTITY
DRILLING	2			HWT Casing Shoe #19788 RED	x 1
MOVING					
TEAR DOWN/SET UP					
CASING			2 1/2		
PULL/ RUN RODS					
REAMING					
CONDITION HOLE					
FISHING/BOGGED RODS					
CEMENTING					
BREAKDOWN/MAINT'					
SURVEY					
OTHER					
Travel	1				

SURVEY DEPTH	DIP	AZI	DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS- Drilled out of glacials @ 14.60m. Advance casing to 9m. Had to change casing shoe. bit again because of glacials & hole cave. Cannot advance past 9.00m.
* Heavy rain fall. leave site due to canal & river flooding.

Signed Diamond Drill Tasmania Pty Ltd Signed Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE- 17/7/2019**

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	6:00	5:00	11
ASSISTANT	C. Harvey	6:00	5:00	11
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50	77	HQ CORE	15	—	—

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING						
MOVING						
TEAR DOWN/SET UP						
CASING			10			
PULL/ RUN RODS						
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS						
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY						
OTHER						
Travel	1					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS- Talk to client - Grant & decide to use a HW casing advancer to try & clear the glacials. Pull all HQ rods & HWT casing out of hole. Run HW casing advancer to 15 m, very slow going due to hole cave in, baubles & sand. Seat the casing.

Signed- Diamond Drill Tasmania Pty Ltd Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE- 18/8/2019**

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	6:00	5:00	11
ASSISTANT	C. Harvey	6:00	5:00	11
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50	77°	HQ CORE	15	30	15

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING	9½					
MOVING						
TEAR DOWN/SET UP						
CASING						
PULL/ RUN RODS						
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS						
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY	½					
OTHER						
Travel	1					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL
30m	-48°	78°					

COMMENTS:
Drilling clays. Difficult coring + recovery. Sand + gravels between clay seems

Surveyed @ 30m

Signed- Diamond Drill Tasmania Pty Ltd Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-** 19/7/2019

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	6:00	4:00	10
ASSISTANT	C. Harvey	6:00	4:00	10
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50°	77	HQ CORE	30	48	18

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING	9					
MOVING						
TEAR DOWN/SET UP						
CASING						
PULL/ RUN RODS						
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS						
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY						
OTHER						
Travel	1					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS-
Drilling clays. Sand & gravel between clay seems. Difficult coring

Signed- Diamond Drill Tasmania Pty Ltd

Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-** 22/7/2019

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	Allan Harvey	6:00	5:00	11
ASSISTANT	Nigel Barrett	6:00	5:00	11
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50	77	HQ CORE	48	66	18

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING	10					
MOVING						
TEAR DOWN/SET UP						
CASING						
PULL/ RUN RODS						
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS						
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY						
OTHER						
Travel	1					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS-
Drilling clays. Sands & gravels also present.
Difficult coring & recovery.
Could not do bom survey due to hole filling up with sand when pulling the rods back.

Signed- Diamond Drill Tasmania Pty Ltd

Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-23 /7/2019**

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	6:00	5:00	11
ASSISTANT	N. Barrett	6:00	5:00	11
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50	77	HQ CORE	66	79	14

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING	8					
MOVING						
TEAR DOWN/SET UP						
CASING						
PULL/ RUN RODS						
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS			1			
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY						
OTHER						
Travel	1					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS- Drilled to 79.00m. Pull rocks due to down hole problem. Rods parked at 51m. Call client & inform of problem.

* Still drilling clays

Signed- Diamond Drill Tasmania Pty Ltd

Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-** 24/7/2019

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	6:00	5:00	11
ASSISTANT	N. Barrett	6:00	5:00	11
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50	77	HQ CORE			

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING						
MOVING						
TEAR DOWN/SET UP						
CASING						
PULL/ RUN RODS						
REAMING			4			
CONDITION HOLE						
FISHING/~~BOGGED RODS~~			6			
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY						
OTHER						
Travel	1					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS- Try to fish out broken rods. Could not reconnect into broken rods. Recovery tool kept going down past broken rods. Could not even feel the broken rods on multiple attempts of recovery. Hole has washed out & created a cavern. Talk to client & decide to drill past broken rods with HQ barrel & advance hole

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-25/7/2019**

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	6:00	5:00	11
ASSISTANT	N Barrett	6:00	5:00	11
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50	77	HQ CORE			
			NQ core	79-00	84-00	5

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME	CONSUMABLES	QUANTITY
DRILLING	2			3meter HQ Rod	6
MOVING				4m HQ Barrel	1
TEAR DOWN/SET UP					
CASING					
PULL/ RUN RODS					
REAMING		8			
CONDITION HOLE					
FISHING/BOGGED RODS					
CEMENTING					
BREAKDOWN/MAINT'					
SURVEY					
OTHER					
Travel	1				

SURVEY DEPTH	DIP	AZI	DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS- Advance HQ by reaming past broken rods. Ream to 72m. Run NQ rods down hole & drill through the HQ barrel. Ream NQ to 79-00 & NQ Core to 84meters. Re-connect to HQ casing & ream over the NQ rods to 84meters. Hole completely cased off.

Signed- Diamond Drill Tasmania Pty Ltd Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-29 /7/2019**

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	7:00	5:00	10
ASSISTANT	N. Barrett	7:00	5:00	10
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50°	77	NQ CORE	84-00	98-00	14

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING	7½					
MOVING						
TEAR DOWN/SET UP						
CASING						
PULL/ RUN RODS	1½					
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS						
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY						
OTHER						
Travel	1					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL
90m	47°	83°		TA 90	98		

COMMENTS- Drill to 98-00 meters. Pull rods for a bit change. New TA 90 on

Signed- Diamond Drill Tasmania Pty Ltd

Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-** 30/7/2019

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	7:00	5:00	10
ASSISTANT	N. Barrett	7:00	5:00	10
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50°	77	NQ CORE	98-00	99-70	1-70

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING	2					
MOVING						
TEAR DOWN/SET UP						
CASING						
PULL/ RUN RODS						
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS			5			
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY						
OTHER Waterline	2					
Travel	1					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS- Drill to 99.70. Had a misfatch & had to Pull rods. When trying to run rods back down hole, could not get past 42m. NQ barrel hitting solid steel. HQ rods broke off at 42m. Try to reconnect HQ. No good. Pull rods & try running recovery tool. Recovery tool kept going down 6 meters past broken rods, similar to reports on 24/7/19.

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-** 31/7/2019

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	7	5	10
ASSISTANT	N. Barrett	7	5	10
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME	CONSUMABLES	QUANTITY
DRILLING				3 meter HQ Rods	x 14
MOVING					
TEAR DOWN/SET UP				AMC Polymer	x 1
CASING					
PULL/ RUN RODS					
REAMING			9		
CONDITION HOLE					
FISHING/BOGGED RODS					
CEMENTING					
BREAKDOWN/MAINT'					
SURVEY					
OTHER					
Travel	1				

SURVEY DEPTH	DIP	AZI	DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS- Talk to client & decide to ~~try~~ & ream & drill past broken rods at 42m. Ream past broken HQ rods with another barrel. Set HQ casing at 45. Run NQ rods with tricone on & ream out hole to 84m.

Signed- Diamond Drill Tasmania Pty Ltd

Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE- 1 /8/2019**

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	7	5	10
ASSISTANT	N. Barrett	7	5	10
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50	77				

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME	CONSUMABLES	QUANTITY
DRILLING				Rolymet AMC	x 1
MOVING					
TEAR DOWN/SET UP					
CASING					
PULL/ RUN RODS					
REAMING			9		
CONDITION HOLE					
FISHING/BOGGED RODS					
CEMENTING					
BREAKDOWN/MAINT'					
SURVEY					
OTHER					
Travel	1				

SURVEY DEPTH	DIP	AZI	DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS- Advance HQ casing over the NQ rods to 66-60. HQ rods bogged down & could not advance any further. Reconnect to NQ & use tricone to ream & advance hole to 99-70. Pull out tricone & run NQ barrel. Set up ready to drill.

Signed- Diamond Drill Tasmania Pty Ltd Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-2 /8/2019**

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	7	5	10
ASSISTANT	N. Barrett	7	5	10
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD5	-50°	77°	NQ CORE	99.70	112-	12.30

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING	6½				Cement 20Kg	x12
MOVING						
TEAR DOWN/SET UP						
CASING						
PULL/ RUN RODS						
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS						
CEMENTING			2			
BREAKDOWN/MAINT'						
SURVEY	½					
OTHER						
Travel	1					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL
90m	-48°	83°					

COMMENTS- Drill from 99.70 to 112-00m
Sand Coming into hole from multiple places from 66.60 to 112-00. Stop drilling at 3:00pm. & mix cement + send down hole to try + stabilize drill hole. Pull rods out & clean up site.

Signed- Diamond Drill Tasmania Pty Ltd Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-** 5 /8/2019

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	7	20:00	13
ASSISTANT	N. Barrett	7	20:00	13
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50°	77°	NQ Core	112-00	133-50	21-5

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING	7½					
MOVING						
TEAR DOWN/SET UP						
CASING						
PULL/ RUN RODS						
REAMING - Back			4			
CONDITION HOLE						
FISHING/BOGGED RODS						
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY	½					
OTHER						
Travel	1					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL
120m	-47½°	84°		T 8X			

COMMENTS- Test cement at start of shift. Cement did not work, to much clay, sands & contaminated water. Continue drilling NQ. Drill to 133-50 when sand enters hole bogging NQ rods. Work rods free to 101m. Rods still tight at End of shift

Signed- Diamond Drill Tasmania Pty Ltd

Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT SHIFT- (DAY)/NIGHT DATE- 6 /8/2019

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	7:00	5:00	10
ASSISTANT	N. Barrett	7:00	5:00	10
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD5	-50	77°				

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING					AMC Polymer	x 1
MOVING						
TEAR DOWN/SET UP						
CASING						
PULL/ RUN RODS						
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS			5			
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY						
OTHER Travel	1					
Rig Breakdown	4					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS- Try to work NQ rods free. Rods still very tight + stuck in hole.
Had a rig breakdown. Cracked the transmission Remove off rig a take into Zeehan Workshop for repairs. Rig shut down until further notice.

Signed- Diamond Drill Tasmania Pty Ltd

Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-** 12 /8/2019

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	7	5	10
ASSISTANT	N. Barrett	7	5	10
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50	77°				

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING						
MOVING						
TEAR DOWN/SET UP						
CASING						
PULL/ RUN RODS						
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS						
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY						
OTHER						
Rig Maintenance	10					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS-
Replace rigs transmission.
Test up machine.

Signed- Diamond Drill Tasmania Pty Ltd

Signed- Client

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-** 13 /8/2019

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	7	6	11
ASSISTANT	N. Barret	7	6	11
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50°	77°				

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME	CONSUMABLES	QUANTITY
DRILLING				3m HQ Rod	x 9
MOVING					
TEAR DOWN/SET UP					
CASING					
PULL/ RUN RODS					
REAMING					
CONDITION HOLE					
FISHING/BOGGED RODS			8		
CEMENTING					
BREAKDOWN/MAINT'					
SURVEY					
OTHER Travel	1				
Wait on Client Instruction	2				

SURVEY DEPTH	DIP	AZI	DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS- Continue to try to free NQ rods. Still stuck. Talk to client + decide to try free up HQ casing + try advance hole to 101m where NQ is stuck. Got HQ moving but was very tight + casing broke off at 39.00m, leaving 24m of HQ down the hole. Talk to Client again + decide to work NQ drill string again. Got some movement + was able to push rods back to bottom. Hole freed up from 120m but is still very tight trying to pull back from that point.

[signature]

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-** 14 /8/2019

CLIENT	**Moina Gold Pty Ltd**
LOCATION	Lake Margaret
RIG #	**44 Track**

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	7	6	11
ASSISTANT	N. Barrett	7	6	11
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50°	77°				

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME		CONSUMABLES	QUANTITY
DRILLING						
MOVING						
TEAR DOWN/SET UP						
CASING						
PULL/ RUN RODS						
REAMING						
CONDITION HOLE						
FISHING/BOGGED RODS		9				
CEMENTING						
BREAKDOWN/MAINT'						
SURVEY						
OTHER						
Travel	1					
Rig Maintenance	1					

SURVEY DEPTH	DIP	AZI		DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS- Talk to client & decide to run BQ rods down hole, drill through the NQ rods & barrel leave BQ on bottom of hole as a guide for fishing & recovery tools to try & reconnect HQ & advance to 100 m.
Drilled the BQ rods through NQ Barrel.
Try to remove NQ rods for attempt at HQ recovery NQ rods very tight due to sands & gravels in hole. Get NQ to 94 m when they bogged down again.

DIAMOND DRILLING TASMANIA PTY LTD

DAILY DRILLING REPORT **SHIFT- DAY/NIGHT** **DATE-** 15/8/2019

CLIENT	Moina Gold Pty Ltd
LOCATION	Lake Margaret
RIG #	44 Track

	NAME	START	FINISH	HOURS
DRILLER	A. Harvey	7	5	10
ASSISTANT	N. Barrett	7	5	10
ASSISTANT				
ASSISTANT				

HOLE#	DIP	AZI	DRILLING TYPE	FROM	TO	TOTAL
LMD 5	-50	77°				

ACTIVITIES	NON CHARGE	INACTIVE RATE	WORK TIME	CONSUMABLES	QUANTITY
DRILLING				NQ Barrel 4m	x 1
MOVING				NQ T8X Drill Bit	x 1
TEAR DOWN/SET UP				NQ Reamer Shell	x1
CASING				NQ Drill Rod	x1
PULL/ RUN RODS					
REAMING					
CONDITION HOLE					
FISHING/BOGGED RODS		7			
CEMENTING					
BREAKDOWN/MAINT'					
SURVEY					
OTHER Travel	1				
Rig Maintenance	1				
Wait on Client Instruction	1				

SURVEY DEPTH	DIP	AZI	DIAMOND ARTICLES	ON	OFF	TOTAL

COMMENTS- Continue trying to work NQ rods free. Could push down very slowly. High torque in hole. Got NQ rods back down to 108m when NQ rods parted 3 meters above barrel at 97m. Pull the parted NQ rods out of hole. Talk to client. Remove BQ guide rods out of hole & use the BQ to try & reconnect & fish out the NQ. Could not re-enter broken NQ rods. Shut down drill awaiting client instruction