

**Exploration Drilling Grant
Initiative – Round 7
Report on Drill Hole SQD1
Squib Prospect
RL 3/2005 “Narrawa Creek”**

ABSTRACT

The Squib prospect is located in Tasmania's central north on the northern margin of the highly fertile Devonian Dolcoath Granite, a granodiorite which has introduced a range of minerals into the Moina area with W, Mo, Bi, Sn, F, Au, Ag, Pb and Zn found in a range of settings around and within the granite margin including lodes, pegmatites, greisens, skarns, disseminations and replacive bodies.

A single hole was drilled to 321.5m at the Squib Prospect testing a near coincident 3D IP conductivity anomaly and the depth and strike extent of W, Mo and Au mineralization from the Squib mine.

The drillhole was co-funded by the Tasmanian Government as part of the Exploration Drilling Grants Initiative Round 7 and this final report fulfils the requirements of the grant.

The hole was collared in biotite hornfelsed quartzite of the Moina Sandstone. Apart from an aplitic dyke intersected between 34.6m and 35.1m and two other probable dykes the hole stayed in quartzite with variable biotite hornfelsing and occasional more sericitic quartzite until 164.5m where the hole passed into variably but commonly greisenised granite. The hole continued in greisenised granite past the proposed depth of 200m and was finally stopped at 321.5m

Coarse sphalerite as well as arsenopyrite, pyrite and galena is found along the margins of the main aplite dyke from 34.6m to 35.1m assaying

- 34.6m to 35.1m, 0.5m @ 1.23g/t Au, +2.5% As, 0.25% Cu, 0.22% Pb, 1.25% Zn.

The dyke intercepted from 34.6m to 35.1m occurs near to the 3D IP resistivity low anomaly and is considered to explain it.

The quartzite contains a number of quite thin quartz veins/veinlets commonly with visible wolframite and/or molybdenite. Other than these the sulphide content of the quartzite is low. Best intersections are;

- 61.75m to 62.1m, 0.35m @ 0.17g/t Au, 6980ppm W, 1375ppm Mo, 600ppm Bi and 6.32g/t Ta
- 84.95m to 85.1m, 0.15m @ 1.07% W, 617ppm Mo
- 101.05m to 101.075m, 0.025m @ 0.75g/t Au, 0.114% Mo, 0.475% Bi
- 109.05m to 109.15m, 0.1m @ 0.338% Mo
- 140.6m to 140.64m, 0.04m @ 1.045% W and 0.578% Mo

The contact zone with the granite is increasingly greisenised as the granite is approached. This zone contains a narrow quartz vein with coarse wolframite and molybdenite on or around the contact assaying

- 162.15m to 162.165m, 0.015m @ 0.2g/t Au, +2.5% Mo, 0.716% Bi.

A thin aplitic dyke with coarse molybdenite just uphole from the contact assays

- 162.15m to 162.165m, 0.015m @ 0.2g/t Au, +2.5% Mo, 0.716% Bi

The granite is cut by thin quartz veinlets and extensive greisenisation which constitutes +25% of the granite intersected. Visible mineralisation occurs in quartz veins with better intersections;

- 175.2m to 175.5m, 0.3m @ 0.238% W
- 203.75m to 203.8m, 0.05m @ 0.02g/t Au, 1.195% W, 1.02% Mo, 14.45g/t Ta
- 232.85m to 232.97m, 0.12m @ 2490ppm Be
- 232.97m to 233.15m, 0.18m @ 0.32g/t Au, 0.53% Cu
- 277.45m to 280.8m, 3.35m @ 0.16g/t Au

Aside from these narrow higher grade occurrences background W, Mo, Bi, Au are still quite low and sub-economic. Additionally there is no evidence of lithium or significant rare earth oxides or uranium. The variably greisenised quartzite in the contact zone with the granite, and much of the greisenised granite was sampled as contiguous composites. Assays show mean values are;

- Gold, 0.017g/t in the contact zone and 0.04g/t Au in the granite.
- Total Rare Earth Oxide + Y, 301ppm in contact zone, 197.3ppm in granite
- Lithium, 84.2ppm in contact zone, 98ppm in granite
- Uranium, 42ppm in contact zone, 27ppm in granite

Table of Contents		pg
1.0	Introduction	1
2.0	Work Done	
2.1	Drilling	2
2.2	Core Logging, Samplin and Assaying	2
3.0	Discussion of Results	5
3.1	Introduction	5
3.2	Geology	5
3.3	Assays	8
4.0	Conclusions	14
5.0	Environmental	15
6.0	References	16
7.0	Digital File listing	17

Figures

1.1	Northern margin of Dolcoath Granite showing prospects (black text) granite (pink), tungsten +/- molybdenite bearing lodes (maroon solid and dashed lines), and 3D IP conductivity isosurfaces.	2
2.1	Diamond drill rig drilling SQD1	4
3.1	Section in plane of drillhole i.e. looking to 354° showing lithology, veins, greisens significant intersections.	11
3.2	Plan view of SQD1 on background of 3D IP resistivity at 50m depth (conductivity highs are blue).	12
3.3	Aplitic dyke/vein with coarse molybdenite	13
3.4	15mm wide quartz vein with wolframite and molybdenite, in greisen on contact zone between Moina Sandstone and Dolcoath Granite.	13
3.5	Pegmatitic textures in core of greisen	13
3.6	Long section in plane of drillhole with selected assays shown – in separate digital file	

Table

3.1	Composited Contiguous Sections Assay Summary	10
-----	--	----

Appendices

A	Sample Intervals
B	Original Assay Results
C	SQD1 Drill Log
D	Tabulated Assay Results

1.0 Introduction

The Squib prospect is located on the southern side of the Narrawa Creek Valley on the western side of Lake Cethana at Moina in Tasmania's central north. The prospect lies on the northern margin of the Devonian Dolcoath Granite, a highly fertile granodiorite which has introduced a range of minerals into the Moina area with W, Mo, Bi, Sn, F, Au, Ag, Pb and Zn found in a range of settings around and within the granite margin including lodes, pegmatites, greisens, skarns, disseminations and replacive bodies. Soil geochemistry shows anomalism in all of these elements.

The northern margin of the granite can be seen to have a series of lobes protruding in a west-northwest orientation. These lobes contain greisen lode style mineralisation extending in a similar orientation and dipping moderately (-45°) to the southwest. From northeast to southwest these are Poveys-Sayers, Southern Wolframite, Blacks, Squib lodes. These greisenised lobes correspond with west-northwest trending conductivity anomalies determined by 3D IP (and UTEM) geophysical surveying.

Recent drilling of a similar prospect, the Sayers prospect, just east of the Squib prospect by Moina Gold Pty Ltd has proven the prospectivity of the greisens for the granophile elements whilst confirming the Intrusive Related Gold model association with the Dolcoath Granite.

The two holes here were targeted on 3D IP chargeability and conductivity anomalies coincident with the Sayers structure.

A similar 3D IP conductivity anomaly extends in a west-northwesterly orientation from the Squib prospect coincident with the Squib structure (bearing in mind offset due to shallow dip of Squib structure). The Squib structure is prospective for gold as well as tungsten, bismuth and molybdenite with historic dump sampling assaying 6.95g/t gold and 0.14% tungsten, and 2.5g/t gold and 5.03% tungsten.

Furthermore this conductivity anomaly continues on to the Higgs gold+silver+lead+zinc deposit which is hosted in biotite hornfels.

The Squib structure has considerable potential to be a long lived structure at depth beneath the Squib and Higgs workings also with the model being pursued the Intrusive Related Gold style of which the high grade gold deposit Pogo in North America is an example. Further 3D IP conductivity anomalies lie within the granite down dip from the Squib and Higgs workings.

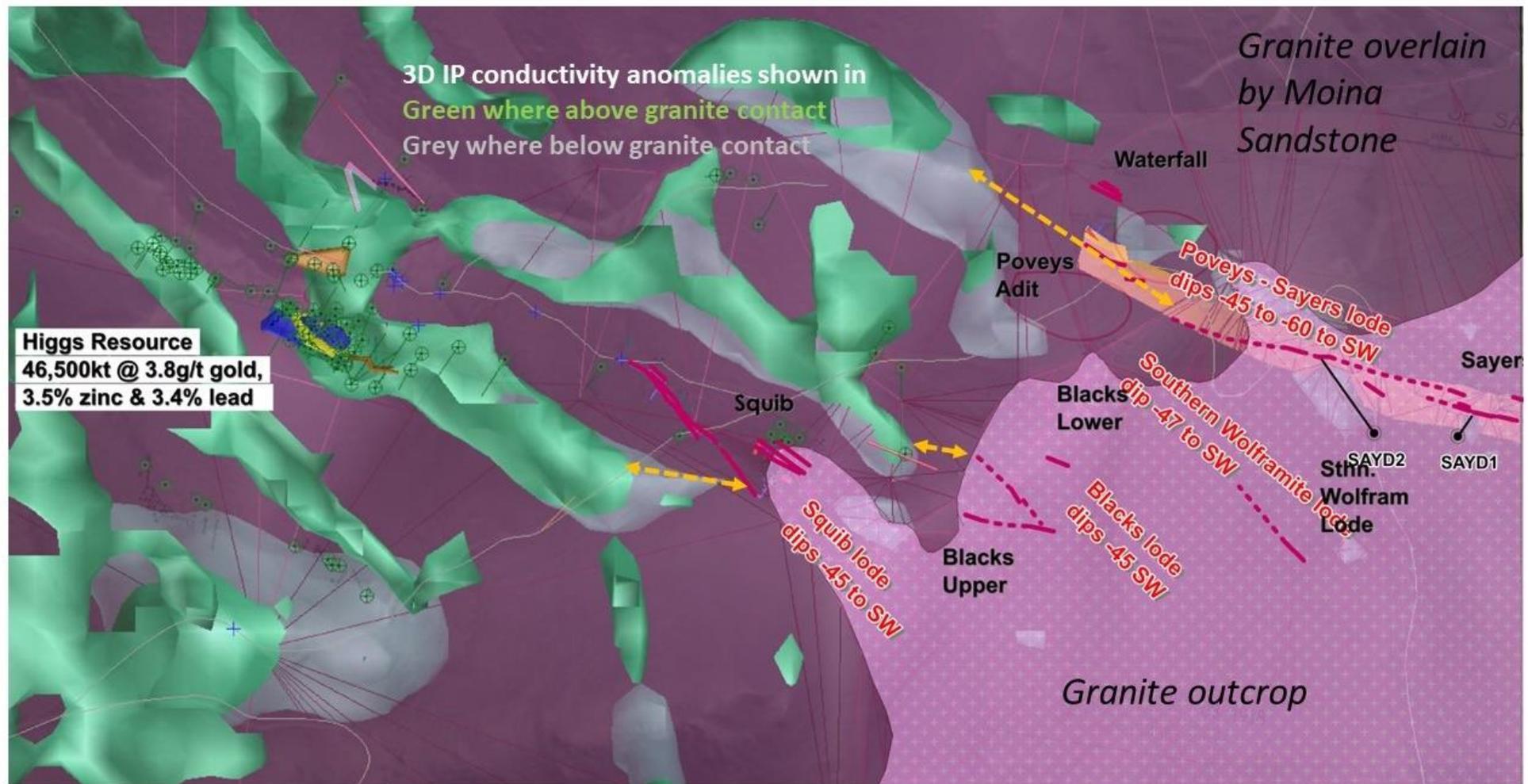


Figure 1.1: Northern margin of Dolcoath Granite showing prospects (black text) granite (pink), tungsten +/- molybdenite bearing lodes (maroon solid and dashed lines), and 3D IP conductivity isosurfaces.

2.0 Work Done – SQD1

2.1 Drilling

In mid-2022 Moina Gold Pty Ltd were successful in its applications for Tasmanian Government co-funding for diamond drilling under round 7 of the Exploration Drilling Grant Initiative (EDGI).

The original EDGI programme was for 2 x 200m holes from essentially the same or similar collars targeting a combination of a north-northwesterly trending 3D IP conductivity anomaly with the similarly oriented vein and greisen style mineralisation around the granite margin beneath the Squib workings. The more northerly hole was more optimal for the 3D IP anomaly, the southerly more optimal for testing the Squib workings. The southerly hole was chosen to be drilled first.

Drilling of the Squib EDGI grant holes commenced late in both the annual reporting year and the round 7 EDGI reporting period such that an extension was sought and granted for a further 4 months (until 4th August, 2023) to allow for completion of drilling, logging, receipt of assays, and reporting.

Drilling was done by Spauldings drillers using a C1400 track mounted rig. Drillers were Dayle Meares, Cliff Blacklow and Scotty McLoughlin. Work was done single shift 5 days a week.

Drilling commenced on 5th April. The hole was drilled in HQ3. Surveys by single shot every 30m. Hole collar surveyed by hand-held GPS with reference to listmap ESRI airphoto.

The hole and stayed in biotite hornfelsed quartzitic sandstone until variably greisenised granite was intersected at 164.5m depth. Visible wolframite and molybdenite and possibly bismuth minerals are seen in some of the greisen zones and so the hole was continued beyond the proposed 200m depth to a depth of 321.5m and was stopped on 5th May.

This first hole had effectively consumed the bulk of the total 400m EDGI grant in one hole and the second hole was not drilled.

Consideration was given to the possibility of extending the hole and so it has not been cased with PVC.

The hole's collar position was determined by handheld GPS with reference to the ESRI airphoto on MRT's website.

2.2 Core Logging, Sampling and Assaying

Core has been photographed, logged and recoveries measured. The drill log is included in text form in appendix C.

Core was logged and selectively sampled. Individual samples of relatively short sample length were collected of discrete mineralised zones.

In addition contiguous sections were sampled on nominally 1m sample lengths (but varies) and assayed as composites. This was done in the upper part of the hole in a section of extensively veined quartzite. It was also done through the upper part of the granite covering the extensively greisenised zone. These samples were physically composited with weightings based on sample interval lengths. The intent was to assay individual samples from anomalous composites but this has not been warranted.

The sample list including detailing the original samples included in the composite samples is included as appendix A.

Samples were assayed by ALS Burnie, who did the sample prep and gold fire assaying (ALS code AA25), and ALS Vancouver who completed all remaining analyses.

Sodium peroxide fusion (ALS code ME-MS89L) was chosen as the method as it would allow for complete dissolution of hard oxides e.g. cassiterite, REE, and would not interfere with Li analyses. Over range values for W, MO and As of 25000ppm was exceeded in a few instances but no over range assaying has been done leaving these particular assays as minima.



Figure 2.1: Diamond drill rig drilling SQD1.

3.0 Results

3.1 Introduction

A summary log of SQD1 is provided below with the full log included as appendix C.

The course of the drillhole and lithology intersected is shown in plan in figure 3.2, and in section in figures 3.1 and 3.6 (separate digital file).

Assays are included in table form in appendix D. Anomalous values are referred to in text and also illustrated on figures 3.1 to 3.3. Detailed assays for selected individual elements are shown on figure 3.6.

Composited weighted average grades of sections of quartzite, the greisenised contact with the granite, and ~50% of the greisenised granite are presented in table 3.1.

3.2 Geology

The hole intersected contact metamorphosed quartzite, with variable dark brown biotite hornfelsing, and some minor zones of yellowish green sericitic quartzite, with at least two and probably two more aplitic dykes, before passing through an intrusive contact at 164.5m into variably but extensively greisenised medium grained Dolcoath Granodiorite in which it remained to end of hole at 321.5m.

The granite is extensively greisenised with greisens containing quartz, white mica, topaz and occasionally disseminated molybdenite and lesser wolframite. The total volume of greisen with respect to granite is just over 25% for the length of the granite intersected.

Detailed logging of greisen phases has not been done as from previous experience this will benefit immensely from hylogging data.

The granite is essentially homogenous with regard grain size. There is some variability in the granite colour from cream to quite bright yellowish orange and a little Kspar red suggesting variable alteration of feldspars.

The contact zone between the granite and quartzite is pervasively greisenised with a number of thin discrete but high grade wolframite and molybdenite veins/dykes in the quartzite immediately uphole from the contact e.g. 164.25m (see figure 3.4). Some greisens immediately downhole from this contact have developed to the extent that they contain internal pegmatitic zones (albeit thin).

Molybdenite and wolframite and lesser bismuth minerals occurs in thin <2mm quartz (+/- topaz) greisen type veins which remain discrete within the quartzite (there is a swarm of such veinlets between 12.15m and 28.3m) but which can expand into thick greisens in the granite.

SQD1 Summary Log:

0.00 30.60 Quartzite Hornfels with Minor Biotite Hornfelsed Quartzite

Medium light grey, occasionally brownish grey where biotitised, contact metamorphosed quartzite with variable biotite hornfelsing.

12.15m to 28.3m, Swarm of thin quartz veinlets +/- Mo +/- WO₃.

- 12m to 24m, 12m @ 370ppm W and 193ppm Mo

30.60 44.95 Aplite Dyke(s) cross-cutting variably biotitised Quartzite Hornfelsed Quartz Sandstone

Zone with one clearly defined aplitic dyke (34.6m to 35.1) with sphalerite, arsenopyrite and pyrite mineralization. Second possible dyke from 44.45m to 44.95m less well developed and has tourmaline in breccia veins.

- 34.6m to 35.1m, 0.5m @ 1.23g/t Au, +2.5% As, 0.25% Cu, 0.22% Pb, 1.25% Zn

44.95 164.1 Biotitised Hornfelsed Quartz Sandstones

Variably light to medium brownish grey quartzitic sandstones with biotite hornfelsing. Occasional sericitised quartzite (bleaching) zones. Discrete quartz veinlets +/- wolframite +/- molybdenite.

- 61.75m to 62.1m, 0.35m @ 0.17g/t Au, 6980ppm W, 1375ppm Mo, 600ppm Bi and 6.32g/t Ta
- 84.95m to 85.1m, 0.15m @ 1.07% W, 617ppm Mo
- 101.05m to 101.075m, 0.025m @ 0.75g/t Au, 0.114% Mo, 0.475% Bi
- 109.05m to 109.15m, 0.1m @ 0.338% Mo
- 140.6m to 140.64m, 0.04m @ 1.045% W and 0.578% Mo

162.05m to 162.065m, 15mm thick pegmatitic vein? aplite? with coarse slugs of molybdenite (see figure 3.3)

- 162.15m to 162.165m, 0.015m @ 0.2g/t Au, +2.5% Mo, 0.716% Bi

164.1 164.5 Greisen on Contact between Quartzite and Granite

Greisenised quartzite (bedding textures recognizable) against granite. Contact is at ~75 degrees to core axis, parallel to greisens and greisen veins in quartzite and granite.

164.25m to 164.275m, 25mm thick quartz vein with abundant wolframite and molybdenite. (see figure 3.4)

- 164.24m to 164.275m, 0.035m @ 0.32g/t Au, +2.5% W, 0.929% Mo and 30.4g/t Ta

164.50 321.50 Granite with variably common to occasional greisen zones up to 2m wide

Generally yellowish orange sometimes cream granodiorite with two pale zones, cross-cut by a sheeted system of greisen zones from a few mm to up to 1.25m in width. Associated with variable minor wolframite and molybdenite. Greisens show zonation of quartz, micas and topaz with a number having evolved sufficiently for the development of (thin) pegmatitic cores (see figure 3.5).

- 175.2m to 175.5m, 0.3m @ 0.238% W
- 203.75m to 203.8m, 0.05m @ 0.02g/t Au, 1.195% W, 1.02% Mo, 14.45g/t Ta
- 232.85m to 232.97m, 0.12m @ 2490ppm Be
- 232.97m to 233.15m, 0.18m @ 0.32g/t Au, 0.53% Cu
- 277.45m to 280.8m, 3.35m @ 0.16g/t Au

321.50 End of hole

3.3 Assays

The hole has intersected anomalous Au, As, Cu, Pb, Zn, W, Mo, Bi, Ta and Be but not at grades and/or widths which are economic. Discrete sampling of dykes and greisen veins in quartzite and bulk sampling of the granite has not revealed significantly anomalous Au, U, Li or REE.

Gold

Best gold is 0.5m @ 1.23 g/t in the aplite dyke from 34.6m to 35.1m. Very narrow quartz veins in quartzite also show anomalous gold averaging 0.12g/t (non-weighted) with the 10 samples assaying up to 0.025m @ 0.75g/t, 0.35m @ 0.17g/t and 0.2m @ 0.05g/t.

In the ~10m (uphole) adjacent to the granite similar quartz veins and a thin aplitic dyke/vein show abundant wolframite and/or molybdenite with gold averaging 0.09g/t (unweighted average of 6 samples 6) and up to 0.035m @ 0.32g/t, 0.015m @ 0.2g/t and 0.225m @ 0.01g/t. The whole 10.45m interval from 154.05m to 164.5m gave a weighted gold assay of 0.017g/t.

Contiguous sampling of the majority of the granite (164.5m to 201.45m, 217m to 238.5m and 261.05m to 280.8m) averaged 0.041g/t Au.

Tungsten

A principal target element was tungsten found in wolframite and which is anomalous in surface samples and historical records. The hole was lamped and no scheelite was noted.

Wolframite is visible in quartz veinlets in quartzite, as well as in granite. Assays are reported for W (as opposed to WO₃).

High grade occurrences are 0.35m @ 6980ppm (from 61.75m), 0.15m @ 1.07% (from 84.95m) and 1.05% (from 140.6m) from veins within the quartzite, 0.035m @ +2.5% (from 164.24m) from the greisenised contact zone (see figure 3.3), and 0.3m @ 2380ppm (from 175.2m) and 0.05m @ 1.195% (from 203.75m).

Bulk composite sampling of the contact zone and granite assayed 253ppm W. Contiguous composites of the more greisenised sections (164.5m to 201.45m, 217m to 238.5m and 261.05m to 280.8m) in the granite average 152ppm.

Bulk composite of a vein swarm within the quartzite between 12.15m and 28.3m assayed only 12m @ 370ppm W (from 12m).

Molybdenum

A second target mineral known to be present from surface sampling and nearby drilling.

Molybdenum is visible in a significant number of the quartz veinlets within the quartzite, as well as quartz veinlets and greisens in the granite.

High grade intersections are 0.04m @ 5780ppm (from 140.6m), 0.1m @ 3380ppm (from 109.05m), 0.35m @ 1375ppm (from 61.75m) and 0.025m @ 1140ppm (from 101.05m) from within the quartzite, 0.035m @ 9290ppm MO (from 164.24m) from within the contact zone, and 0.02m @ 1.02% Mo (from 209.85m) from within the granite.

Molybdenite is also present in significant quantities in a thin aplite dyke? between (see figure 3.4) where it assayed 0.01m @ >2.5% Mo.

The greisenised contact zone composites to 150.3ppm Mo whilst the greisenised granite sections assayed only averaged 41ppm Mo.

Bulk composite of a vein swarm within the quartzite between 12.15m and 28.3m assayed only 12m @ 195ppm Mo (from 12m).

Bismuth

Bismuth minerals including bismuthinite, native bismuth and some rarer species of bismuth sulphide, are known from surface sampling and nearby drilling and are a target mineral.

Sporadically generally weak to moderately anomalous bismuth occurs in quartz veinlets in quartzite and similar veins and greisen in granite.

Highest grade intersections are 0.025m @ 4750ppm (from 101.05m) and 0.35m @ 600ppm (from 61.75m) in quartzite, 0.01m @ 7160ppm (from 162.15m) and 0.035m @ 312ppm (from 164.24m) , and 1m @ 299ppm (from 172.2m) in granite.

The contact zone composites to 29.2m Bi whilst the greisenised granite averages 45.1ppm Bi.

Base Metals (Cu, Pb, Zn)

Base metals show sporadic moderate anomalism in some of the quartz veins within the quartzite with best copper 0.025m (from 101.05m) @ 2780ppm (next best is 130ppm) with lead up to 350ppm and zinc up to 990ppm.

Similar veins and greisens within the granite show almost universally low values (exception is one instance of chalcopyrite)

Base metals are also present in significant grades in the aplitic dyke from 34.6m to 35.1m which assayed 0.5m @ 0.25% Cu, 0.22% Pb, 1.25% Zn (and 1.23g/t Au and +2.5% As). This structure lies along strike from the Higgs deposit and in particular the postulated southwest dipping basal controlling structure to base metal mineralisation at Higgs. This has previously been ascribed to a southwest dipping back thrust (West Higgs Fault) and the two may be contiguous.

Lithium

Lithium is a target mineral. Rare(?) examples are reported of spodumene in the Shepherd and Murphy mine nearby.

There is no suggestion of the presence of significant lithium in any of the rock types intersected i.e. the quartzite, granite, quartz veinlets or greisen.

There are no significantly anomalous intercepts with a maximum of 199ppm in the quartzite and 250ppm in the granite. There is no recognisable trend in Li grades within the granite or quartzite.

The contact zone averaged 84.2ppm whilst the greisenised granite averaged 98ppm throughout.

Cesium

Lithium bearing pegmatites are classified as Lithium-Cesium-Tantalum types.

Cesium is not anomalous with a maximum of 38ppm Cs. The contact zone averages 11.35ppm whilst the greisenised granite averages 13.1ppm.

Tantalum

Tantalum is pathfinder element for lithium as well as a target in itself.

Tantalum is low in most samples of quartz veinlets in quartzite with best 0.35m @ 6.32ppm (from 61.75m). Samples of veinlets and dykes from the contact zone are <5 with the wolframite and molybdenite rich vein from 164.24m to 164.275m assaying 0.035m @ 30.4ppm Ta.

Whilst most of the samples from the greisenised granite ranged from 4-7ppm Ta a single anomalous sample, again associated with wolframite and molybdenite, from 203.75m to 203.8m, 0.05m @ 14.45ppm Ta.

The contact zone averages 2ppm Ta whilst the greisenised granite composites average 5.34ppm.

Beryl

Beryl is known to exist in surface sampling and nearby drilling and was noted in logging.

Beryl assays are generally low, with a background of ~5ppm, with discrete peak anomalies.

The main aplitic dyke is anomalous in beryl at 0.5m @ 209ppm (from 34.6m). The second highest Be assay of 0.5m @ 32.2ppm from 44.45m to 44.95m supports the interpretation of this zone containing two thin incipient aplitic dyke.

There are no anomalies in the contact zone.

Within the granite peak value is 0.12m @ 2490ppm Be (232.85m to 232.97m), also 3.7m @ 184ppm Be (195.9m to 199.6m), 0.6m @ 378ppm Be (209.85m to 210.45m), and 1m @ 439ppm Be (217m to 218m).

Rare Earth Oxides and Yttrium

The potential for rare earth oxides is evidenced by the presence of monazite, (Ce, La, Th)PO₄, and xenotime, YPO₄, commonly present in greisens in the area.

Total Rare Earth Oxide (TREO) is calculated/reported herein by adding the 15 rare earth elements with Y₃PO₄ also.

In the quartzite composited samples (12m to 16m, 41m to 44.05m, 66m to 84.95m and 85.1m to 90m) average 163ppm TREO.

Sample of quartz veinlets and dykes within the quartzite average 463ppm TREO but with up to 0.3m @ 1119ppm (from 102.6m) and 0.1m @ 1137ppm (from 109.05m). These samples are relatively elevated in all of the rare earths compared to the quartzite background including yttrium which is 336ppm from 102.6m to 102.9m compared with an average of 33ppm for the quartzite.

The contact zone averages 301ppm TREO with a range 184ppm to 754ppm. Yttrium averages 72ppm in the contact zone.

The composited sections of greisenised granite (164.5m to 201.45m, 217m to 238.5m and 261.05m to 280.8m) average 197ppm TREO with a maximum of 740ppm and minimum of 311ppm.

The greisenised granite averages 84ppm yttrium.

Uranium, Thorium, Rubidium, Niobium

Composited quartzite averages 2.41ppm U, 8.6ppm Th, 248ppm Rb and 9ppm Nb.

Individual veins and dykes in the quartzite average 2,38ppm U, 17ppm Th, 293ppm Rb and 24ppm Nb.

Elevated U and Th i.e. 0.1m @ 5.1ppm U and 51.2ppm Th and occurs in vein from 109.05m to 109.15m.

The contact zone averages 4.2ppm U, 16.7ppm Th, 361ppm Rb and 16.7ppm Nb with a maximum U of 0.225m @ 94.6ppm (from 164.275m). Anomalous Nb occurs from 164.24m with 0.035m @ 478ppm Nb.

The greisenised granite averages 26.9ppm U, 43.6ppm Th, 754ppm Rb and 38.7ppm Nb. Maximum U is 0.3m @ 92.8ppm (from 175.2m).

Table 3.1: Composited Contiguous Sections Assay Summary

Rock		Quartzite - immediately adjacent to granite	Granite 61% Greisen 39%	Granite 49% Greisen 51%	Granite 69% Greisen 31%	Average Granite Greisen
From/To (m)		154.05m to 164.5m	164.5m to 210.45m	217m to 238.5m	261.05m to 280.8m	
Interval		10.45	41.15	11.5	19.75	72.4
Element	Units					
Au	ppm	0.017	0.036	0.036	0.05	0.04
W	ppm	253	235	117	104	152
Mo	ppm	150.3	35.6	55.8	31.6	41.0
Bi	ppm	29.2	57.5	42.0	35.8	45.1
U	ppm	4.2	26.8	28.8	25.1	26.9
Li	ppm	84.2	104	101	88.6	98.0
Cs	ppm	11.35	11.25	14	14.1	13.1
Ta	ppm	2.0	5.5	5.5	5.0	5.34
Be	ppm	4.3	41.2	69.2	9.6	40.0
Nb	ppm	16.7	39.6	40.2	36.3	38.7
Rb	ppm	361	644	773	844	754
Th	ppm	16.7	45.4	41.8	43.7	43.6
La	ppm	37.1	11.2	21.1	9.2	13.9
Ce	ppm	91.0	26.3	49.8	20.8	32.3
Pr	ppm	10.3	3.4	6.5	2.7	4.19
Nd	ppm	37.7	13.3	24.2	10.7	16.1
Sm	ppm	10.2	4.8	8.4	3.8	5.67
Eu	ppm	0.6	0.0	0.1	0.0	0.04
Gd	ppm	9.9	6.2	9.9	5.3	7.14
Tb	ppm	1.8	1.3	2.1	1.2	1.54
Dy	ppm	11.3	9.3	14.7	8.4	10.8
Ho	ppm	2.4	2.1	3.3	2.0	2.44
Er	ppm	7.2	6.6	10.5	6.3	7.80
Tm	ppm	1.1	1.0	1.7	0.9	1.22
Yb	ppm	7.6	7.1	11.7	6.1	8.29
Lu	ppm	1.1	1.1	1.7	0.9	1.23
Y	ppm	71.7	71.2	112	70.4	84.7
TREO	ppm	301	165	278	149	197.3

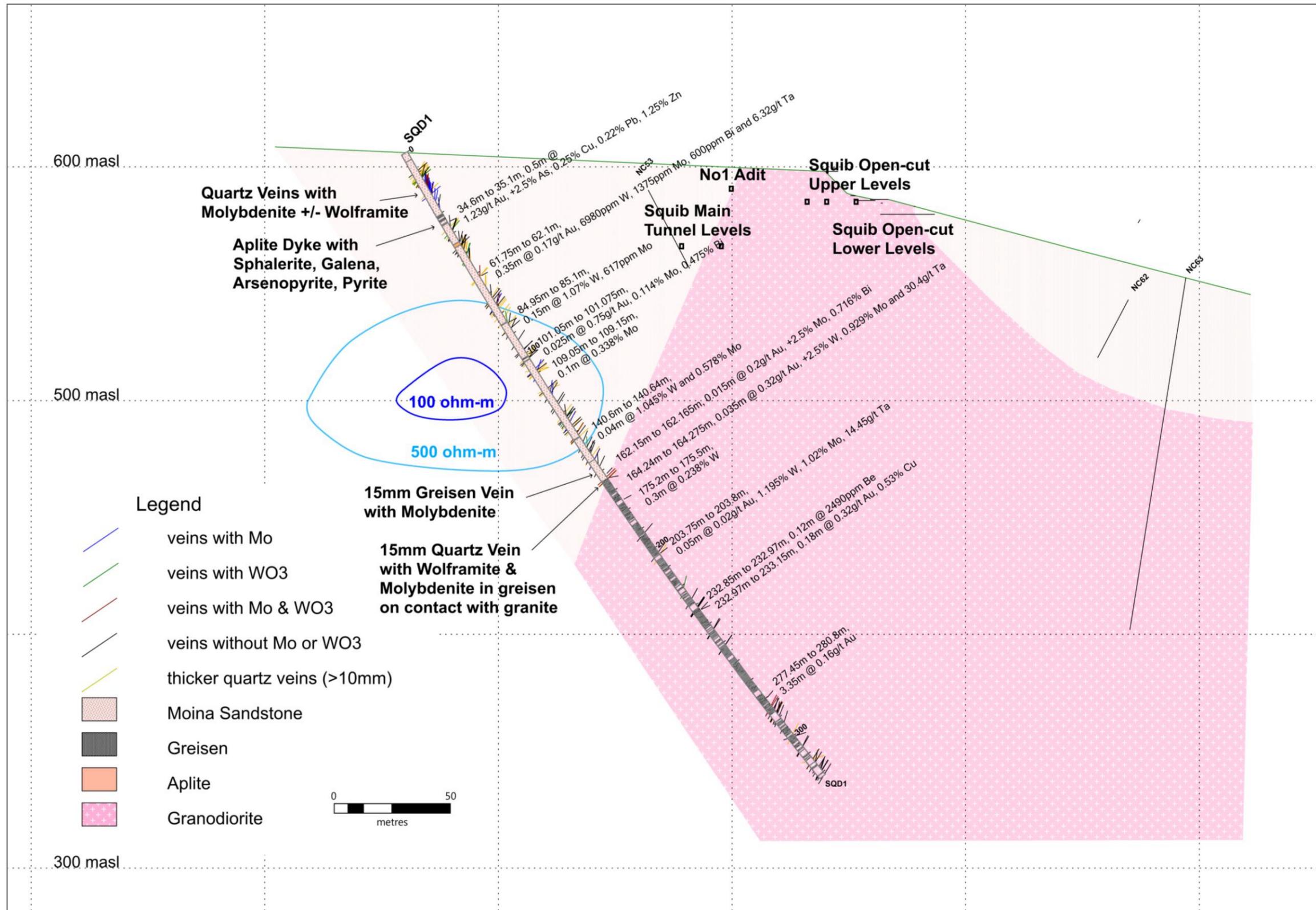


Figure 3.1: Section in plane of drillhole i.e. looking to 354° showing lithology, veins, greisens significant intersections.

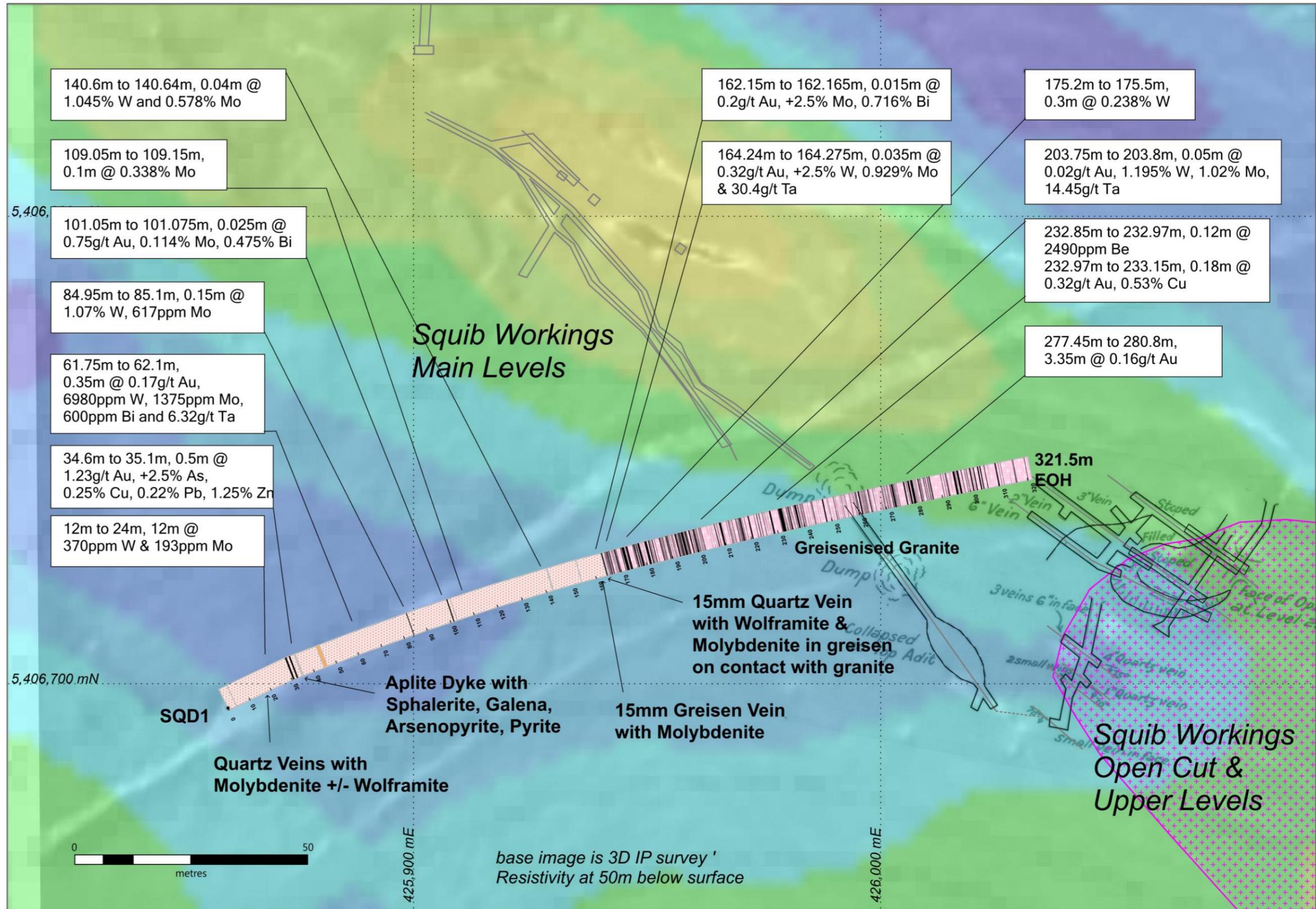


Figure 3.2: Plan view of SQD1 on background of 3D IP resistivity at 50m depth (conductivity highs are blue). Legend as for figure 3.1 Grey lines are tungsten +/- molybdenite bearing veins.



Figure 3.3: Aplitic dyke/vein with coarse molybdenite ,from 162.15m to 162.165m



Figure 3.4: 15mm wide quartz vein with wolframite and molybdenite, in greisen on contact zone between Moina Sandstone and Dolcoath Granite from 164.24m to 164.275m



Figure 3.5: Pegmatitic textures in core of greisen ~232.9m

4.0 Conclusions

The hole has provided an adequate test of the 3D IP conductivity anomaly with the source considered to be the aplitic dyke from 34.6m to 35.1m (possibly also the associated incipient dyke from 44.45m to 44.95m) containing sufficient sulphides to potentially become conductive along strike.

This mineralised dyke lies along strike from the Higgs gold+base metal deposit. Its position and mineralogy is such that it is quite likely that it's the southwest dipping basal controlling structure to the Higgs mineralised system.

The hole has tested both the (1) northeastern margin and (2) down-dip extent of the Squib W-Mo-Au-Bi mineralised system within the granite.

The actual contact with the granite is masked by greisenisation though textures suggestive of the contact are around $\sim 70^\circ$ to core axis.

An orientation of $\sim 70^\circ$ for the contact is consistent with the hole penetrating a steeply southwest dipping margin to the granite as opposed to intersecting acutely across a more shallowly northerly dipping margin to the granite. This is also consistent with the description of the vein followed in the No.1 adit and Squib main tunnel which is described as a 'contact vein' by Reid (1919).

This zone contains a discrete quartz vein with abundant wolframite and molybdenite which is interpreted as the vein worked in the No1 adit and which continues into the Squib Main Levels where it is likely to be the southwest branch. Though thin the structure assayed 0.035m @ 0.32g/t Au, +2.5% W, 0.929% Mo and 30.4g/t Ta.

Within the granite body the drillhole traversed the Squib greisens at depth providing a test of their grades and mineralogy. The results of this are disappointing with the greisenised granite (over 25% is greisenised) averaging 152ppm W, 41ppm Mo and 45.1ppm Bi.

In particular the hole tested the greisens (both internal to the granite and external) for Au under the Intrusive Related Gold model. Gold averages 0.017g/t in the contact zone and 0.04g/t throughout the greisenised granite.

The hole has also tested the greisenised rocks for Li and REE with little success.

Beryl grades are lower and sporadic than at Sayers prospect along strike to the southeast.

The Squib hole SQD1 is one of a now expanding number of holes which have tested the northern margin of the Dolcoath Granite and is beginning to define the nature and extent of tungsten, molybdenum, bismuth, gold and beryl mineralisation along the margin of the Dolcoath Granite, as well as providing valuable information regarding the distribution of other commodities such as Li, Au and REE's.

Potential exists for further high grade tungsten, molybdenite and bismuth mineralisation in discrete dykes and/or narrow veins. There may be opportunities where such veins widen or split. Better opportunities are;

- (1) Aplite dyke along strike between SQD1 and Higgs deposit and down-dip where 3D IP isosurfaces show deep conductivity anomaly
- (2) High grade No1 Adit vein on granite contact around Squib main workings.

5.0 Environment

There are no outstanding rehabilitation requirements. SQD1 was drilled on an existing track and the collar has been cemented according to MRT guidelines.

6.0 References

- Askins, P. W. (1980) E.L. 7/74 Tasmania, Report on All Investigations, Tin Spur-Olivers Hill-Devonian Areas; Commonwealth Aluminium Corporation Ltd (TCR 80_1430)
- Black, L. P.; McClenaghan, M. P.; Korsch, R. Everard, J. L.; Foudoulis, C. (2005) Significance of Devonian–Carboniferous igneous activity in Tasmania as derived from U-Pb SHRIMP dating of zircon. *Australian Journal of Earth Sciences* 52:807–829.
- Blake, F. (1937) Higgs Gold Mine, Narrawa Creek. Tas. Geol. Survey; Typewritten reports, 1937 (unpublished) UR1937_088_91
- Jack, R.H. (1961) Gold Mine, Narrawa Creek, Moina; Economic and General Geology TR5-102-104
- Jennings, I.B. (1958) The Round Mount District; Geological Survey Bulletin 45 (GSB45)
- Jennings, I. B. (1963) One Mile Geological Map Series.K/55-6-45. Middlesex. Explanatory Report Geological Survey Tasmania.
- Keid, H.G.W. (1947) The Sunrise Mine. Narrawa Creek, Moina, Tas. Geol. Survey; typewritten reports, 1947 (unpublished) (UR1947/125-135)
- MacDonald, G. Farrell, J. (2011). RL 3/2005 annual report on exploration activity. Unpub. Rep. for Frontier Resources Ltd.
- MacDonald, G. (2012) Annual Report on Exploration RL3/2005 – “Narrawa” April 2011 to April 2012. Unpublished report for Frontier Resources Ltd (RL032005_201204)
- MacDonald, G. (2013) Annual Report on Exploration RL3/2005 – “Narrawa” April 2012 to April 2013. Unpublished report for Frontier Resources Ltd (RL032005_201304)
- MacDonald, G. (2022) Annual Report on Exploration RL3/2005 – “Narrawa” April 2021 to April 2022. Unpublished report for Moina Gold Pty Ltd. (RL032005_202004)
- Mueller, F. (2009) Narrawa Resource Estimate (in-house report, Geostats Pty Ltd)
- Morrison, K. C. Reed A. R. and Turner N. J. (2003) The Dolcoath Granite: A gold exploration target. *Mineral Resources Tasmania Tasmanian Geological Survey Record* 2003/16 (UR2003/16)
- Newnham, L. A. (1993) EL 20/1992 annual report on exploration activity. Unpub. Rep. for Goldstream NL. (TCR 93_3484)
- Newnham, L. A. (1997) Summary Report Compiled upon Termination of Joint Venture Agreement - Moina Area (Hugo Skarn) - RL10/1988 Geotech International Pty Ltd, Goldstream Mining NL, Newnham Exploration and Mining Services (TCR 04_5043)
- Purvis, J. G. (2000) Second Progress Report – Dolcoath EL 37/97. J. G. Purvis and Associated Propriety Ltd.; Jervis, Tasmanian Company Report (TCR00_4423).
- Reid, A. M. (1919) The mining fields of Moina, Mt Claude, and Lorinna; Geological Survey Bulletin 29 (GSB29)

7.0 File listing

Exploration Work Type	Filename	File format
Report	EDGIRnd7_SQD1_Final_report_inc_Assays_202401	<i>pdf</i>
Drilling	SQD1_202304_Collars_SL_1 SQD1_202304_Surveys_DS_! SQD1_202304_Lithology_DL_1 SQD1_202401_assays_DG_1	xls xls xls xls
Section	Figure 3.6 Long section in plane of drillhole with selected assays shown	png
File Verification Listing (<i>this file</i>)	SQD1_EDGIRnd7_Final_Report_with_Assays_202401_Filelisting	xls

Appendix A – Sample Intervals

Original Sample Number	From	To	Assayed Sample Number
41702	OREAS Standard 22D		41702
41703	163.35	164.15	41703
41704	164.15	164.24	41704
41705	164.24	164.275	41705
41706	164.275	164.5	41706
41715	172.2	173.2	41715
41718	175.2	175.5	41718
41733	189.2	190.05	41733
41739	195.1	195.9	41739
41749	203.75	203.8	41749
41756	209.85	210.45	41756
41764	217	218	41764
41775	228	229	41775
41779	232	232.85	41779
41780	232.97	233.15	41780
41785	237.15	238.5	41785
41797	OREAS Standard 22D		41797
41810	261.05	261.5	41810
41815	265	266	41815
41897	162.15	162.165	41897
41898	140.6	140.64	41898
41899	84.95	85.1	41899
41900	101.05	101.075	41900
41916	44.45	44.95	41916
41917	61.75	62.1	41917
41918	48	48.2	41918
41919	109.05	109.15	41919
41920	34.6	35.1	41920
41921	102.6	102.75	41921
41922	102.75	102.9	41922
41926	162.165	163.35	41926
41935	232.85	232.97	41935
41877	12	13	comp1
41878	13	14	comp1
41879	14	15	comp1
41880	15	16	comp1
41881	16	17	comp2
41882	17	18	comp2
41883	18	19	comp2
41884	19	20	comp2
41885	20	21	comp3
41886	21	22	comp3
41887	22	23	comp3
41888	23	24	comp3
41923	41	42	comp4

41924	42	43.05	comp4
41915	43.05	44.45	comp4
41891	66	67	comp5
41892	67	68	comp5
41893	68	69	comp5
41894	69	70	comp5
41895	70	71	comp5
41896	71	72	comp6
41901	76	77	comp6
41902	77	78	comp6
41903	78	79	comp6
41904	79	80	comp6
41905	80	81	comp7
41906	81	82	comp7
41907	82	83	comp7
41908	83	84	comp7
41909	84	84.95	comp7
41910	85.1	86	comp8
41911	86	87	comp8
41912	87	88	comp8
41913	88	89	comp8
41914	89	90	comp8
41933	154.05	155.05	comp9
41932	155.05	156.05	comp9
41931	156.05	157.05	comp9
41930	157.05	158.05	comp9
41929	158.05	159.05	comp10
41928	159.05	160.05	comp10
41927	160.05	161.05	comp10
41925	161.05	162.15	comp10
41707	164.5	165.8	comp11
41708	165.8	166.6	comp11
41709	166.6	167.35	comp11
41710	167.35	168.3	comp11
41711	168.3	169.15	comp12
41712	169.15	170	comp12
41713	170	171	comp12
41714	171	172.2	comp12
41716	173.2	174.25	comp13
41717	174.25	175.2	comp13
41719	175.5	176.45	comp14
41720	176.45	177.25	comp14
41721	177.25	178.55	comp14
41722	178.55	179.15	comp14
41723	179.15	180	comp14
41724	180	181.1	comp15
41725	181.1	181.9	comp15

41726	181.9	183	comp15
41727	183	184	comp15
41728	184	185	comp16
41729	185	186	comp16
41730	186	187	comp16
41731	187	188	comp16
41732	188	189.2	comp16
41734	190.05	191	comp17
41735	191	192	comp17
41736	192	193	comp17
41737	193	194	comp17
41738	194	195.1	comp17
41740	195.9	197	comp18
41741	197	198	comp18
41742	198	198.5	comp18
41743	198.5	199.6	comp18
41744	199.6	200.3	comp19
41745	200.3	201	comp19
41746	201	202	comp19
41747	202	203	comp19
41748	203	203.75	comp20
41750	203.8	205	comp20
41776	229	230	comp21
41777	230	231	comp21
41778	231	232	comp21
41781	233.15	234	comp22
41782	234	235	comp22
41783	235	236	comp22
41784	236	237.15	comp22
41811	261.5	262.15	comp23
41812	262.15	263	comp23
41813	263	264	comp23
41814	264	265	comp23
41816	266	267	comp24
41817	267	268	comp24
41818	268	269	comp24
41819	269	270	comp24
41820	270	271	comp25
41821	271	272	comp25
41822	272	272.65	comp25
41823	272.65	274	comp25
41824	274	275.1	comp26
41825	275.1	276.2	comp26
41826	276.2	276.6	comp26
41827	276.6	277.45	comp26
41828	277.45	277.95	comp27
41829	277.95	279	comp27

41830	279	279.5	comp27
41831	279.5	280	comp27
41832	280	280.8	comp27
41847	295.1	295.8	comp28
41848	295.8	296.55	comp28
41849	296.55	297.15	comp28

Appendix B – Original Assay Results



Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 1
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 This copy reported on 25-OCT-2023
 Account: MOIGOL

CERTIFICATE BU23252549

Project: Moina Gold Pty Ltd
 This report is for 173 samples of Drill Core submitted to our lab in Burnie, TAS, Australia on 7-SEP-2023.
 The following have access to data associated with this certificate:
 GRANT MACDONALD
 GEOFFREY SUMMERS

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-OC	Pulverizing OC Test
CMP-23	Pulp Login - Composite Sample
LEV-01	Waste Disposal Levy
LOG-22	Sample Login - Rcd w/o BarCode
LOG-24	Pulp Login - Rcd w/o BarCode
CRU-21	Crush entire sample
PUL-23	Pulv Sample - Split/Retain
BAG-01	Bulk Master for Storage
BAG-21	Raw Sample in a new bag
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
ME-MS89L	Super Trace DL Na2O2 by ICP-MS	

!

Signature:

James Hepburn, Laboratory Manager, Burnie

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 *****

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 2 - C
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

CERTIFICATE OF ANALYSIS BU23252549

Sample Description	Method Analyte Units LOD	Nb ppm	Nd ppm	Ni ppm	Pb ppm	Pr ppm	Rb ppm	Re ppm	Sb ppm	Se ppm	Sm ppm	Sr ppm	Ta ppm	Tb ppm	Te ppm
41702		0.9	1.05	<10	0.7	0.24	0.7	<0.01	<0.3	<3	0.21	<20	0.11	0.03	<0.5
41703		19.6	42.7	20	14.1	11.25	690	0.01	0.7	<3	10.45	38	2.45	1.48	<0.5
41704		31.1	77.0	10	5.9	21.0	550	<0.01	1.5	<3	19.50	33	20	3.51	<0.5
41705		487	25.2	10	43.4	6.80	51.6	0.74	3.1	<3	6.92	7	<20	30.4	9.7
41706		41.3	65.9	<10	43.7	16.45	731	0.01	1.3	5	24.2	74	20	4.87	3.3
41707															
41708															
41709															
41710															
41711															
41712															
41713															
41714															
41715		42.9	24.2	<10	56.6	6.63	770	0.01	2.8	<3	8.76	66	<20	5.47	2.15
41716															
41717															
41718		52.8	47.0	<10	29.8	11.85	482	0.04	3.9	<3	19.45	58	20	5.56	5.72
41719															
41720															
41721															
41722															
41723															
41724															
41725															
41726															
41727															
41728															
41729															
41730															
41731															
41732		33.8	29.8	<10	21.3	7.39	830	<0.01	1.8	5	10.50	55	<20	4.07	2.71
41733															
41734															
41735															
41736															
41737															
41738															
41739		40.7	28.3	20	42.9	6.94	961	<0.01	2.2	4	10.65	73	<20	5.80	2.97
41740															
41741															

***** See Appendix Page for comments regarding this certificate *****



Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 2 - D
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

CERTIFICATE OF ANALYSIS BU23252549

Sample Description	Method Analyte Units LOD	ME-MS89L Th ppm 0.1	ME-MS89L Ti % 0.005	ME-MS89L Ti ppm 0.02	ME-MS89L Tm ppm 0.01	ME-MS89L U ppm 0.2	ME-MS89L V ppm 1	ME-MS89L W ppm 0.3	ME-MS89L Y ppm 0.2	ME-MS89L Yb ppm 0.02	ME-MS89L Zn ppm 1.0
41702		0.7	0.021	<0.02	0.02	0.2	4	<0.3	1.1	0.13	10
41703		18.5	0.277	2.96	0.78	5.8	48	828	46.9	5.27	50
41704		57.7	0.124	2.40	1.59	20.0	15	46.6	100.5	10.40	60
41705		12.5	0.014	0.57	1.50	9.2	4	>25000	44.6	14.25	110
41706		94.6	0.049	3.27	3.35	40.2	4	693	215	21.3	80
41707											
41708											
41709											
41710											
41711											
41712											
41713											
41714											
41715		44.9	0.026	3.59	1.80	24.1	1	168.5	115.5	12.05	120
41716											
41717											
41718		45.1	0.022	2.47	4.31	92.8	1	2380	264	30.2	80
41719											
41720											
41721											
41722											
41723											
41724											
41725											
41726											
41727											
41728											
41729											
41730											
41731											
41732		44.8	0.027	3.89	2.15	25.0	1	90.2	137.5	14.95	90
41733											
41734											
41735											
41736											
41737											
41738											
41739		45.5	0.028	4.54	2.54	49.0	1	65.6	164.5	17.40	90
41740											
41741											

***** See Appendix Page for comments regarding this certificate *****

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230
 Project: Moina Gold Pty Ltd

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry



CERTIFICATE OF ANALYSIS BU23252549

Method Analyte Units LOD	ME-MSS9L Er ppm 0.02	ME-MSS9L Eu ppm 0.03	ME-MSS9L Fe % 0.05	ME-MSS9L Ca ppm 0.5	ME-MSS9L Cd ppm 0.03	ME-MSS9L Ce ppm 0.5	ME-MSS9L Ho ppm 0.01	ME-MSS9L In ppm 0.3	ME-MSS9L K % 0.05	ME-MSS9L La ppm 0.08	ME-MSS9L Li ppm 2	ME-MSS9L Lu ppm 0.05	ME-MSS9L Mg % 0.01	ME-MSS9L Mn ppm 1.0	ME-MSS9L Mo ppm 2
41742															
41743															
41744															
41745															
41746															
41747															
41748															
41749															
41750															
41756															
41764															
41775															
41776															
41777															
41778															
41779															
41780															
41781															
41782															
41783															
41784															
41785															
41797															
41810															
41811															
41812															
41813															
41814															
41815															
41816															
41817															
41818															
41819															
41820															
41821															
41822															
41823															
41824															
41825															
41826															

***** See Appendix Page for comments regarding this certificate *****



Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 3 - C
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

CERTIFICATE OF ANALYSIS BU23252549

Method Analyte Units LOD	ME-MS9L Nb ppm 0.8	ME-MS9L Nd ppm 0.07	ME-MS9L Ni ppm 10	ME-MS9L Pb ppm 0.5	ME-MS9L Pr ppm 0.03	ME-MS9L Rb ppm 0.5	ME-MS9L Re ppm 0.01	ME-MS9L Sb ppm 0.3	ME-MS9L Se ppm 3	ME-MS9L Sm ppm 0.04	ME-MS9L Sn ppm 3	ME-MS9L Sr ppm 20	ME-MS9L Ta ppm 0.04	ME-MS9L Tb ppm 0.01	ME-MS9L Te ppm 0.5
41742															
41743															
41744															
41745															
41746															
41747															
41748	346	40.7	<10	59.2	10.50	795	0.18	0.5	5	14.90	18	20	14.45	4.17	<0.5
41749															
41750	42.7	27.2	<10	20.0	7.03	755	0.01	1.9	<3	10.25	65	<20	5.37	2.90	1.7
41756															
41764	42.6	35.8	20	67.0	8.63	792	0.01	2.0	3	13.10	47	<20	5.24	3.46	1.2
41775	48.3	22.6	<10	207	5.47	823	<0.01	11.9	<3	9.04	20	20	5.24	2.65	1.0
41776															
41777															
41778															
41779	41.6	27.8	<10	21.3	7.38	791	<0.01	2.8	4	9.90	70	20	5.19	2.53	0.5
41780	3.8	47.0	10	19.8	13.95	120.5	<0.01	4.8	<3	13.10	20	<20	0.22	2.14	2.2
41781															
41782															
41783															
41784															
41785	34.4	26.8	<10	16.3	7.03	1215	<0.01	1.4	<3	9.38	97	<20	4.15	2.27	<0.5
41797	1.5	0.97	<10	0.7	0.25	1.9	<0.01	<0.3	<3	0.17	<3	<20	0.21	0.03	<0.5
41810	34.2	22.1	40	25.1	5.59	989	<0.01	4.5	3	8.16	92	<20	4.32	2.06	<0.5
41811															
41812															
41813															
41814															
41815															
41816	41.7	32.2	<10	24.5	8.14	553	<0.01	0.5	4	11.90	15	<20	5.46	3.07	1.8
41817															
41818															
41819															
41820															
41821															
41822															
41823															
41824															
41825															
41826															

***** See Appendix Page for comments regarding this certificate *****



Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 3 - D
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

CERTIFICATE OF ANALYSIS BU23252549

Sample Description	Method Analyte Units LOD	ME-MSSSL Th ppm 0.1	ME-MSSSL Ti % 0.005	ME-MSSSL Ti ppm 0.02	ME-MSSSL Tl ppm 0.02	ME-MSSSL Tm ppm 0.01	ME-MSSSL U ppm 0.2	ME-MSSSL V ppm 1	ME-MSSSL W ppm 0.3	ME-MSSSL Y ppm 0.2	ME-MSSSL Yb ppm 0.02	ME-MSSSL Zn ppm 10
41742												
41743												
41744												
41745												
41746												
41747												
41748												
41749		43.2	0.007	3.85	3.72	29.6	1	11950	206	26.0	10	
41750												
41756		40.9	0.024	3.50	2.60	36.2	1	197.0	154.0	17.30	80	
41764		45.7	0.024	3.54	2.66	22.1	1	122.0	171.5	18.30	50	
41775		44.8	0.019	3.95	2.40	34.8	2	33.6	140.0	16.75	20	
41776												
41777												
41778												
41779		43.0	0.023	3.55	2.26	31.5	2	129.0	133.5	16.15	100	
41780		13.9	<0.005	0.70	1.60	13.4	2	14.1	85.2	10.65	220	
41781												
41782												
41783												
41784												
41785		41.3	0.023	5.83	1.90	32.0	2	93.7	109.0	12.85	70	
41797		0.7	0.021	<0.02	0.01	0.2	4	1.1	1.1	0.12	10	
41810		40.5	0.023	4.70	2.03	39.8	2	36.4	115.5	13.20	80	
41811												
41812												
41813												
41814												
41815												
41816		47.9	0.029	2.43	2.15	25.0	2	25.3	138.5	14.75	10	
41817												
41818												
41819												
41820												
41821												
41822												
41823												
41824												
41825												
41826												

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 4 - C
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

CERTIFICATE OF ANALYSIS BU23252549

Method Analyte Units LOD	Nb ppm	Nd ppm	Ni ppm	Pb ppm	Pr ppm	Rb ppm	Re ppm	Sb ppm	Se ppm	Sm ppm	Sr ppm	Ta ppm	Tb ppm	Te ppm
41827	0.8	0.07	10	0.5	0.03	0.5	0.01	0.3	3	0.04	20	0.04	0.01	0.5
41828														
41829														
41830														
41831														
41832														
41847														
41848														
41849														
41849														
41877														
41878														
41879														
41880														
41881														
41882														
41883														
41884														
41885														
41886														
41887														
41888														
41891														
41892														
41893														
41894														
41895														
41896	9.1	10.90	10	185.0	3.13	491	0.01	15.5	9	3.63	15	1.46	1.19	15.1
41897	66.3	8.30	20	2.9	2.46	75.5	0.17	3.2	-3	2.26	7	2.18	0.27	<0.5
41898	25.6	11.00	10	5.0	2.81	93.3	0.19	0.6	-3	3.42	15	0.97	0.59	1.6
41899	6.5	25.6	80	350	7.66	323	0.01	9.4	4	6.03	20	0.49	0.74	127.0
41900														
41901														
41902														
41903														
41904														
41905														
41906														
41907														
41908														
41909														

***** See Appendix Page for comments regarding this certificate *****



Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 4 - D
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

CERTIFICATE OF ANALYSIS BU23252549

Sample Description	Method Analyte Units LOD	ME-MS89L Th ppm 0.1	ME-MS89L Ti % 0.005	ME-MS89L Ti ppm 0.02	ME-MS89L Tm ppm 0.01	ME-MS89L U ppm 0.2	ME-MS89L V ppm 1	ME-MS89L W ppm 0.3	ME-MS89L Y ppm 0.2	ME-MS89L Yb ppm 0.02	ME-MS89L Zn ppm 10
41827											
41828											
41829											
41830											
41831											
41832											
41847											
41848											
41849											
41877											
41878											
41879											
41880											
41881											
41882											
41883											
41884											
41885											
41886											
41887											
41888											
41891											
41892											
41893											
41894											
41895											
41896											
41897											
41898											
41899											
41900		2.3	0.036	2.33	0.94	5.7	16	46.4	67.4	6.61	80
41901		2.1	0.084	0.86	0.28	0.4	7	10450	7.4	2.43	20
41902		3.1	0.085	0.47	0.37	1.3	15	10700	16.4	2.61	30
41903		10.3	0.209	2.05	0.44	1.6	37	51.6	23.0	2.58	180
41904											
41905											
41906											
41907											
41908											
41909											

***** See Appendix Page for comments regarding this certificate *****



Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 5 - A
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

CERTIFICATE OF ANALYSIS BU23252549

Sample Description	Method Analyte Units	WEI-21 Recd Wt. kg	PUL-OC Pass7Sum %	Au-AA25 ppm	ME-MS59L Ag ppm	ME-MS59L As ppm	ME-MS59L Ba ppm	ME-MS59L Be ppm	ME-MS59L Bi ppm	ME-MS59L Ca %	ME-MS59L Cd ppm	ME-MS59L Ce ppm	ME-MS59L Co ppm	ME-MS59L Cs ppm	ME-MS59L Cu ppm	ME-MS59L Dy ppm	
41910	LOD	3.46															
41911		3.75															
41912		3.80															
41913		4.13															
41914		3.72															
41915		3.95															
41916		1.56	<0.01	18	84	32.2	14.4	0.8	1.0	80.3	15.3	11.0	120	8.47			
41917		1.11	0.17	475	152	9.1	600	0.1	0.8	85.1	3.8	11.1	50	9.44			
41918		0.84	0.05	39	82	12.0	25.1	0.6	<0.8	36.1	11.7	20.0	130	5.46			
41919		0.44	0.03	16	59	8.2	23.2	0.2	<0.8	45.6	4.6	9.9	60	10.90			
41920		1.65	1.23	>25000	14	209	25.4	0.2	88.5	24.0	7.2	7.8	2500	3.86			
41921		0.48	0.01	55	42	5.7	25.2	4.2	1.5	290	4.1	6.4	50	56.4			
41922		0.56	0.03	62	23	4.6	113.0	0.4	<0.8	166.0	2.9	4.3	<20	57.6			
41923		3.97															
41924		4.31															
41925		3.61															
41926		3.65															
41927		3.04	<0.01	14	66	5.0	24.6	0.4	<0.8	87.2	7.1	14.2	130	7.14			
41928		3.44															
41929		2.90															
41930		3.84															
41931		2.79															
41932		3.33															
41933		3.07															
41935		0.23	<0.01	4	28	2490	14.5	0.6	<0.8	47.9	1.2	36.0	100	18.25			
comp1		0.02	0.02	22	39	6.3	92.5	0.1	<0.8	32.5	6.7	3.5	60	4.07			
comp2		0.02	0.02	31	101	8.8	6.8	0.1	0.8	35.9	5.5	8.6	60	6.48			
comp3		0.02	0.02	15	85	7.4	2.1	0.4	2.2	47.1	8.5	10.4	90	4.23			
comp4		<0.01	<0.01	44	107	9.5	6.5	0.2	2.1	58.1	11.9	27.3	130	5.29			
comp5		<0.01	<0.01	5	154	36.3	1.0	0.6	<0.8	29.6	16.2	5.5	150	3.28			
comp6		0.01	0.01	41	281	6.2	14.1	0.2	<0.8	51.7	13.1	5.8	110	4.46			
comp7		0.04	0.04	25	94	3.8	8.9	0.4	<0.8	38.3	16.7	4.3	300	4.56			
comp8		0.02	0.02	35	134	7.6	15.9	0.2	<0.8	67.9	12.3	6.6	170	4.84			
comp9		0.03	0.03	10	58	3.8	28.8	0.4	<0.8	80.6	6.4	11.7	30	5.87			
comp10		0.01	0.01	20	140	4.5	4.5	0.3	<0.8	125.0	7.3	9.6	80	9.36			
comp11		0.02	0.02	<4	18	3.3	40.3	0.3	<0.8	55.8	0.9	7.5	20	17.60			
comp12		0.03	0.03	4	14	3.0	21.0	0.4	<0.8	54.2	1.1	8.8	<20	15.45			
comp13		0.03	0.03	<4	20	4.1	18.1	0.5	<0.8	51.7	0.9	10.7	<20	20.6			
comp14		0.06	0.06	6	17	3.2	153.0	0.5	<0.8	47.4	0.8	9.1	30	18.70			
comp15		0.03	0.03	34	18	3.1	57.9	0.2	<0.8	58.1	0.9	8.3	50	18.40			

***** See Appendix Page for comments regarding this certificate *****

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry



CERTIFICATE OF ANALYSIS BU23252549

Method Analyte Units LOD	ME-MSSSL Er ppm 0.02	ME-MSSSL Eu ppm 0.03	ME-MSSSL Fe ppm 0.05	ME-MSSSL Ni ppm 0.05	ME-MSSSL Ca ppm 0.5	ME-MSSSL Cd ppm 0.03	ME-MSSSL Ce ppm 0.5	ME-MSSSL Ho ppm 0.01	ME-MSSSL In ppm 0.3	ME-MSSSL K ppm 0.05	ME-MSSSL La ppm 0.08	ME-MSSSL Li ppm 2	ME-MSSSL Lu ppm 0.05	ME-MSSSL Mg ppm 0.01	ME-MSSSL Mn ppm 10	ME-MSSSL Mo ppm 2
41910																
41911																
41912																
41913																
41914																
41915																
41916																
41917																
41918																
41919																
41920																
41921																
41922																
41923																
41924																
41925																
41926																
41927																
41928																
41929																
41930																
41931																
41932																
41933																
comp1																
comp2																
comp3																
comp4																
comp5																
comp6																
comp7																
comp8																
comp9																
comp10																
comp11																
comp12																
comp13																
comp14																
comp15																

***** See Appendix Page for comments regarding this certificate *****



Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 5 - C
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

CERTIFICATE OF ANALYSIS BU23252549

Sample Description	Method Analyte Units LOD	Nb	Nd	Ni	Pb	Fr	Rb	Re	Sb	Se	Sm	Sr	Ta	Tb	Te
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
41910		0.8	0.07	1.0	0.5	0.03	0.5	0.01	0.3	3	0.04	3	0.04	0.01	0.5
41911		9.2	31.8	30	28.7	8.12	185.0	<0.01	0.8	<3	7.09	20	0.68	1.37	<0.5
41912		103.5	34.9	20	96.5	10.00	530	0.11	6.7	4	8.91	20	6.32	1.43	10.9
41913		4.5	15.55	30	6.0	3.86	418	<0.01	1.7	<3	3.95	18	0.34	0.89	1.3
41914		11.0	150.0	30	32.3	48.2	439	<0.01	1.0	3	36.9	30	0.76	2.50	0.7
41920		5.2	8.98	10	21.70	2.50	309	<0.01	125.0	<3	2.17	18	0.44	0.63	<0.5
41921		6.5	103.0	30	166.5	31.5	322	<0.01	5.5	<3	35.8	34	2.08	8.36	2.7
41922		5.3	69.0	30	20.9	20.5	239	<0.01	1.4	7	27.0	20	0.29	7.95	2.3
41923															
41924															
41925		15.2	35.2	20	10.0	9.26	412	0.01	1.9	<3	8.43	20	1.63	1.18	<0.5
41926															
41927															
41928															
41929															
41930															
41931															
41932															
41933															
41935		38.4	25.3	<10	18.4	6.38	855	<0.01	0.5	<3	9.41	53	4.76	2.56	<0.5
comp1		6.2	14.20	30	55.5	3.81	163.5	0.01	2.4	<3	3.16	11	0.41	0.59	0.6
comp2		19.8	14.75	40	83.9	4.36	403	0.01	2.0	<3	4.08	23	1.94	0.90	<0.5
comp3		7.6	21.5	20	109.0	5.63	231	0.01	1.0	<3	5.27	106	0.59	0.73	<0.5
comp4		10.8	23.6	30	15.2	6.17	501	<0.01	0.5	<3	5.23	64	0.88	0.88	<0.5
comp5		5.0	12.70	40	4.1	3.38	152.5	0.01	<0.3	<3	2.89	15	0.30	0.54	<0.5
comp6		9.0	21.5	20	13.7	5.72	208	<0.01	1.3	<3	4.89	16	0.75	0.75	<0.5
comp7		6.2	16.85	30	5.8	4.50	154.5	0.01	0.8	<3	4.26	19	0.51	0.75	<0.5
comp8		10.4	27.6	40	5.1	7.79	296	<0.01	2.1	<3	6.21	25	0.71	0.83	0.5
comp9		12.8	32.0	20	6.2	8.15	270	<0.01	0.6	<3	7.10	23	1.61	0.98	0.5
comp10		14.6	49.0	20	10.4	13.25	349	<0.01	1.9	<3	11.45	40	1.90	1.55	<0.5
comp11		38.8	25.9	<10	24.9	6.85	456	<0.01	1.4	5	8.39	32	5.21	2.36	1.6
comp12		44.2	28.0	20	20.9	7.00	493	<0.01	1.1	3	10.10	31	6.88	2.13	0.6
comp13		41.4	27.9	10	19.6	6.66	468	<0.01	1.5	<3	10.05	26	5.00	2.83	0.5
comp14		42.8	25.1	<10	25.4	6.21	501	0.01	1.7	3	8.95	44	6.25	2.61	4.8
comp15		40.8	29.1	<10	27.6	7.31	436	<0.01	3.5	4	9.31	37	5.78	2.53	1.6

***** See Appendix Page for comments regarding this certificate *****



Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 5 - D
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

CERTIFICATE OF ANALYSIS BU23252549

Sample Description	Method Analyte Units LOD	ME-MS89L Th ppm 0.1	ME-MS89L Ti % 0.005	ME-MS89L Ti ppm 0.02	ME-MS89L Tm ppm 0.01	ME-MS89L U ppm 0.2	ME-MS89L V ppm 1	ME-MS89L W ppm 0.3	ME-MS89L Y ppm 0.2	ME-MS89L Yb ppm 0.02	ME-MS89L Zn ppm 10
41910											
41911											
41912											
41913											
41914											
41915		11.5	0.267	2.17	0.70	3.3	47	42.9	50.1	4.51	880
41916		12.4	0.372	2.51	0.99	3.4	55	6980	40.1	7.13	170
41917		5.6	0.145	2.69	0.40	1.1	32	22.9	27.0	2.86	60
41918		51.2	0.353	2.11	0.55	5.1	59	85.3	28.1	3.48	70
41919		3.2	0.135	3.69	0.37	1.0	23	51.7	26.1	2.51	12450
41920		35.2	0.189	1.62	5.79	2.5	28	67.3	271	38.0	310
41921		37.6	0.121	1.26	6.31	4.1	20	43.9	259	45.1	60
41922											
41923											
41924											
41925		13.4	0.249	2.27	0.59	4.7	46	44.7	37.6	3.95	50
41926											
41927											
41928											
41929											
41930											
41931											
41932											
41933											
41935		36.0	0.038	3.66	2.16	29.0	6	21.1	130.0	14.80	40
comp1		4.9	0.139	0.95	0.37	1.8	24	285	18.1	2.52	130
comp2		17.5	0.140	2.19	0.73	6.3	29	494	38.8	4.79	220
comp3		6.9	0.176	1.68	0.39	2.1	29	330	22.9	2.68	490
comp4		9.8	0.312	5.11	0.48	2.1	57	36.3	29.7	3.04	990
comp5		4.2	0.103	0.85	0.30	0.9	21	112.0	20.0	1.92	30
comp6		8.7	0.267	1.27	0.43	2.1	38	55.6	23.7	2.83	60
comp7		6.6	0.155	0.88	0.38	2.0	27	150.0	26.0	2.77	100
comp8		11.2	0.292	1.57	0.43	2.7	50	32.2	25.9	2.90	30
comp9		11.9	0.216	1.14	0.46	1.6	44	20.1	28.7	2.85	40
comp10		16.9	0.302	1.88	0.77	3.9	54	199.0	48.1	5.31	70
comp11		49.3	0.028	1.88	1.99	22.8	3	166.0	126.5	13.45	20
comp12		48.9	0.027	2.00	1.73	20.9	2	81.7	101.0	12.05	20
comp13		48.9	0.026	1.97	2.20	21.5	1	118.0	136.5	15.10	20
comp14		45.7	0.026	2.14	2.08	32.2	2	61.4	130.0	14.00	20
comp15		45.9	0.027	1.94	2.12	38.7	2	107.0	134.5	14.65	80

***** See Appendix Page for comments regarding this certificate *****



Australian Laboratory Services Pty. Ltd.
 32, Shand Street
 Stairford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 6 - A
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

CERTIFICATE OF ANALYSIS BU23252549

Method Analyte Units	WEF-21 Recvd Wt. kg	PUL-OC Pass7Sum %	AU-AA25 Au ppm	ME-MS89L Ag ppm	ME-MS89L As ppm	ME-MS89L Ba ppm	ME-MS89L Be ppm	ME-MS89L Bi ppm	ME-MS89L Ca %	ME-MS89L Cd ppm	ME-MS89L Ce ppm	ME-MS89L Co ppm	ME-MS89L Cs ppm	ME-MS89L Cu ppm	ME-MS89L Dy ppm
Sample Description	0.02	0.01	0.01	5	4	2	0.4	0.1	0.1	0.8	0.2	0.5	0.1	20	0.03
comp16	0.07	<5	0.02	<5	4	29	4.2	34.6	0.5	<0.8	55.3	0.7	11.2	20	20.3
comp17	0.02	<5	0.02	<5	<4	38	4.4	45.0	0.5	<0.8	45.4	0.8	11.3	20	18.10
comp18	0.06	<5	0.06	<5	5	38	184.0	54.2	0.7	<0.8	53.9	1.0	20.3	30	20.3
comp19	0.01	<5	0.01	<5	5	28	22.1	31.1	0.7	<0.8	51.1	0.7	10.5	60	20.4
comp20	<0.01	<5	<0.01	<5	<4	41	4.9	1.5	0.5	<0.8	38.6	<0.5	5.9	<20	15.75
comp21	0.02	<5	0.02	<5	23	24	5.1	10.9	0.5	<0.8	45.9	0.9	10.3	40	17.45
comp22	0.02	<5	0.02	<5	4	25	4.8	7.4	0.5	<0.8	52.2	0.6	8.4	30	18.95
comp23	0.02	<5	0.02	<5	6	22	4.5	48.1	0.5	<0.8	50.3	0.7	12.5	90	18.40
comp24	0.01	<5	0.01	<5	<4	20	8.1	7.6	0.5	<0.8	55.1	0.8	5.8	<20	19.55
comp25	0.05	<5	0.05	<5	39	29	24.8	54.9	0.4	<0.8	52.5	0.6	14.4	30	18.35
comp26	0.03	<5	0.03	<5	63	38	5.0	19.1	0.5	<0.8	35.0	0.7	15.7	30	30.9
comp27	0.16	<5	0.16	<5	123	27	5.1	54.5	0.5	<0.8	40.4	1.0	23.9	70	20.8
Comp28	0.11	<5	0.11	<5	59	26	3.7	174.0	0.8	<0.8	55.9	1.3	11.6	80	18.60

***** See Appendix Page for comments regarding this certificate *****



Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 6 - B
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

CERTIFICATE OF ANALYSIS BU23252549

Sample Description	Method Analyte Units LOD	Er	Eu	Fe	Ga	Cd	Ce	Ho	In	K	La	Li	Lu	Mg	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm
comp16		13.90	0.16	2.56	24.3	14.85	4.5	4.56	<0.3	3.01	22.5	116	2.27	0.07	850
comp17		12.80	0.10	2.37	23.5	12.40	3.8	3.96	<0.3	4.18	17.95	80	2.00	0.04	700
comp18		14.30	0.10	3.46	27.0	15.20	5.8	4.58	<0.3	3.80	21.2	126	2.14	0.05	1030
comp19		14.10	0.11	2.37	24.0	14.40	4.4	4.48	0.3	3.73	19.80	89	2.16	0.03	630
comp20		11.15	0.08	1.13	26.2	11.05	4.0	3.49	<0.3	5.73	15.35	27	1.72	0.02	240
comp21		12.25	0.08	3.04	24.5	12.40	5.2	3.96	<0.3	3.15	18.60	83	2.20	0.07	850
comp22		13.10	0.09	1.85	22.6	13.05	4.1	4.17	<0.3	3.76	20.9	45	2.09	0.05	400
comp23		12.50	0.06	2.33	22.8	13.15	3.9	4.11	0.3	3.80	21.5	82	1.98	0.03	540
comp24		13.40	0.09	1.52	22.8	14.15	3.8	4.18	<0.3	4.06	21.6	27	2.09	0.03	360
comp25		13.90	0.08	2.20	23.9	12.50	4.1	4.20	<0.3	4.07	21.2	75	2.11	0.05	670
comp26		25.9	0.08	1.81	27.7	15.30	4.2	7.92	<0.3	5.31	13.50	93	3.08	0.04	410
comp27		16.90	0.08	3.33	26.1	12.15	6.2	5.13	0.4	4.02	16.60	180	2.31	0.03	880
Comp28		12.85	0.07	3.63	21.0	13.60	5.8	4.11	<0.3	2.64	21.8	110	2.01	0.05	930

***** See Appendix Page for comments regarding this certificate *****

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry



Project: Moina Gold Pty Ltd
CERTIFICATE OF ANALYSIS BU23252549

Sample Description	Method Analyte Units LOD	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Se	Sm	Sr	Ta	Tb	Te
comp16	ppm	38.3	30.6	<10	31.4	7.17	627	0.01	1.3	3	10.55	<20	5.44	2.99	0.6
comp17	ppm	40.2	25.6	<10	27.5	6.08	815	0.01	0.6	3	9.30	<20	5.77	2.45	0.7
comp18	ppm	36.7	30.7	<10	26.8	7.17	929	0.01	0.8	<3	11.70	20	5.02	2.95	1.7
comp19	ppm	33.8	28.3	<10	31.3	6.53	738	<0.01	0.5	<3	10.75	<20	4.97	2.95	<0.5
comp20	ppm	25.0	22.4	<10	26.8	5.13	854	<0.01	<0.3	3	7.69	20	3.52	2.16	<0.5
comp21	ppm	41.7	26.0	<10	19.8	6.05	705	<0.01	1.5	3	9.50	<20	5.82	2.51	<0.5
comp22	ppm	39.9	27.6	<10	22.4	6.70	682	<0.01	0.7	4	9.48	<20	6.07	2.64	<0.5
comp23	ppm	37.7	27.9	<10	23.8	6.60	776	<0.01	1.3	<3	9.54	<20	5.01	2.56	<0.5
comp24	ppm	41.7	29.1	30	23.4	6.96	612	<0.01	0.3	6	9.87	<20	6.06	2.76	<0.5
comp25	ppm	38.3	27.6	<10	26.1	6.66	779	<0.01	1.2	<3	9.12	<20	5.51	2.48	<0.5
comp26	ppm	29.3	20.0	10	26.5	4.57	1070	<0.01	1.7	5	8.32	<20	4.29	3.84	<0.5
comp27	ppm	31.7	23.1	<10	31.0	5.23	1105	<0.01	3.7	3	8.08	<20	4.09	2.61	0.5
Comp28	ppm	37.6	30.2	<10	69.7	7.31	651	0.01	4.4	3	10.80	<20	4.21	2.70	1.5

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 6 - D
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

CERTIFICATE OF ANALYSIS BU23252549

Sample Description	Method Analyte Units LOD	ME-MS89L		ME-MS89L		ME-MS89L		ME-MS89L		ME-MS89L		ME-MS89L		ME-MS89L	
		Th ppm	Ti %	Ti ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Th ppm	Ti ppm	Tm ppm	U ppm
comp16		47.2	0.000	2.67	2.24	26.6	2	175.0	138.0	14.35	30				
comp17		42.9	0.024	3.43	1.99	25.4	2	345	121.0	13.25	30				
comp18		41.9	0.026	3.69	2.16	18.2	2	177.5	137.5	14.45	40				
comp19		44.2	0.025	2.95	2.17	25.1	2	62.0	135.5	14.30	40				
comp20		38.3	0.020	3.55	1.74	18.6	2	23.8	106.0	11.90	10				
comp21		38.8	0.020	2.87	1.97	28.5	2	150.0	121.0	14.25	30				
comp22		43.6	0.023	2.62	2.06	28.1	2	125.0	128.0	14.25	20				
comp23		46.7	0.027	3.31	1.98	25.0	2	111.0	124.0	13.15	30				
comp24		45.0	0.028	2.38	1.98	26.9	3	159.5	128.0	13.75	10				
comp25		46.4	0.028	3.30	2.10	21.9	2	129.0	128.5	14.10	20				
comp26		38.8	0.025	4.76	3.59	26.8	2	53.7	282	21.1	70				
comp27		40.1	0.026	4.77	2.42	23.4	3	82.8	178.5	16.05	70				
Comp28		43.2	0.031	2.72	2.03	25.7	3	181.5	124.5	13.70	40				

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

CERTIFICATE OF ANALYSIS BU23252549



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 79 Distinction Road, Wangara, WA, Australia BAG-21</p> <p>Processed at ALS Burnie located at 39 River Road, Burnie, TAS, Australia. Au-AA25 CMP-23 LEV-01 LOG-24 PUL-QC SPL-21 WEI-21</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. ME-MS89L</p> <p>CRU-21 PUL-23</p>



Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 1
 Total # Pages: 4 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 This copy reported on 25-OCT-2023
 Account: MOIGOL

QC CERTIFICATE BU23252549

Project: Moina Gold Pty Ltd

This report is for 173 samples of Drill Core submitted to our lab in Burnie, TAS, Australia on 7-SEP-2023.
 The following have access to data associated with this certificate:
 GRANT MACDONALD | GEOFFREY SUMMERS

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-QC	Pulverizing QC Test
CMP-23	Pulp Login - Composite Sample
LEV-01	Waste Disposal Levy
LOG-22	Sample login - Rcd w/o BarCode
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-21	Crush entire sample
PUL-23	Pulp Sample - Split/Retain
BAG-01	Bulk Master for Storage
BAG-21	Raw Sample in a new bag
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
AU-AA25	Ore Grade Au 30q FA AA finish	AAS
ME-MS89L	Super Trace DL Na2O2 by ICP-MS	

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:

James Heppburn, Laboratory Manager, Burnie

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry



Project: Moina Gold Pty Ltd

QC CERTIFICATE OF ANALYSIS BU23252549

Method Analyte Units LOD	ME-MS89L Ni ppm	ME-MS89L Pb ppm	ME-MS89L Pr ppm	ME-MS89L Rb ppm	ME-MS89L Re ppm	ME-MS89L Sb ppm	ME-MS89L Se ppm	ME-MS89L Sm ppm	ME-MS89L Sn ppm	ME-MS89L Sr ppm	ME-MS89L Ta ppm	ME-MS89L Tb ppm	ME-MS89L Te ppm	ME-MS89L Th ppm	ME-MS89L Ti %	ME-MS89L Tl %
AMIS0341	20	10.8	0.11	4070	<0.01	11.6	<3	0.18	83	30	716	0.04	<0.5	4.8	0.012	
AMIS0341	10	9.9	0.10	4350	<0.01	11.5	<3	0.12	79	30	704	0.04	<0.5	4.8	0.013	
Target Range - Lower Bound	<10	9.1	0.09	3640	<0.01	11.5	<3	0.10	31	<20	666	0.03	<0.5	4.7	<0.005	
Target Range - Upper Bound	40	12.3	0.23	4440	0.02	14.7	10	0.28	47	70	814	0.07	1.0	5.9	0.021	
AMIS0343	30	6.7	0.11	3810	<0.01	6.9	<3	0.12	79	40	189.5	0.03	<0.5	2.8	0.005	
Target Range - Lower Bound	<10	5.1	0.04	3280	<0.01	6.0	<3	<0.04	74	<20	160.0	<0.01	<0.5	2.2	<0.005	
Target Range - Upper Bound	30	7.7	0.18	4000	0.03	8.0	9	0.20	97	60	196.0	0.04	1.5	2.9	0.021	
CT-22																
CT-22																
Target Range - Lower Bound																
Target Range - Upper Bound																
OREAS 146	70	785	559	28.4	<0.01	0.4	6	434	46	3310	3.91	45.9	<0.5	984	0.885	
OREAS 146	70	781	561	30.4	0.01	0.5	24	425	43	3250	4.41	43.8	<0.5	944	0.890	
Target Range - Lower Bound	60	657	493	26.1	<0.01	<0.3	<3	390	38	2940	3.65	39.9	<0.5	813	0.752	
Target Range - Upper Bound	110	804	603	33.1	0.03	1.3	13	476	54	3640	4.55	48.7	1.2	993	1.030	
OREAS 297																
OREAS 297																
OREAS 297																
Target Range - Lower Bound																
Target Range - Upper Bound																
SY-5	100	60.0	54.0	72.6	<0.01	0.4	3	30.2	4	3340	1.03	2.09	<0.5	24.3	1.045	
SY-5	100	61.8	54.5	70.9	<0.01	0.4	3	31.2	4	3170	1.16	2.21	<0.5	26.6	1.090	
Target Range - Lower Bound	60	58.8	49.7	68.7	<0.01	<0.3	<3	28.0	<3	2770	0.91	2.02	<0.5	22.6	0.886	
Target Range - Upper Bound	100	73.0	60.9	85.1		1.2	8	34.3	9	3430	1.21	2.50	1.0	27.8	1.225	
TAZ-20																
Target Range - Lower Bound																
Target Range - Upper Bound																

STANDARDS

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry



Project: Moina Gold Pty Ltd
QC CERTIFICATE OF ANALYSIS BU23252549

Sample Description	Method Analyte Units LOD	ME-MS89L		ME-MS89L		ME-MS89L		ME-MS89L		ME-MS89L		ME-MS89L		
		Tl ppm	0.02	0.01	0.01	U ppm	0.2	V ppm	1	W ppm	0.3	Y ppm	0.2	Zn ppm
AMIS0341		35.7	0.01	12.0	5	4.5	1.8	0.09	110					
AMIS0341		35.7	0.02	11.6	7	5.0	1.8	0.12	110					
Target Range - Lower Bound		30.0	<0.01	11.3	3	3.7	1.2	0.07	80					
Upper Bound		36.8	0.04	14.3	7	5.3	2.2	0.17	140					
AMIS0343		33.1	0.01	6.4	7	3.4	1.2	0.08	90					
Target Range - Lower Bound		27.5	<0.01	5.1	3	2.7	0.7	-0.02	60					
Upper Bound		33.7	0.03	6.7	7	4.3	1.7	0.09	100					
CT-22														
CT-22														
Target Range - Lower Bound														
Upper Bound														
OREAS 146		0.48	9.98	2.6	153	28.9	984	51.1	1560					
OREAS 146		0.45	9.29	2.5	164	27.7	972	47.8	1560					
Target Range - Lower Bound		0.39	8.90	2.2	144	24.2	814	47.1	1380					
Upper Bound		0.52	10.90	3.2	178	30.2	996	57.7	1680					
OREAS 297														
OREAS 297														
OREAS 297														
Target Range - Lower Bound														
Upper Bound														
SY-5		0.56	0.71	4.8	140	0.9	56.7	4.51	140					
SY-5		0.61	0.74	5.3	133	<0.3	58.1	4.58	140					
Target Range - Lower Bound		0.53	0.64	4.4	118	<0.3	50.5	4.16	100					
Upper Bound		0.70	0.81	5.8	146	0.6	62.1	5.12	160					
TAZ-20														
Target Range - Lower Bound														
Upper Bound														

STANDARDS

***** See Appendix Page for comments regarding this certificate *****



Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 3 - A
 Total # Pages: 4 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

QC CERTIFICATE OF ANALYSIS BU23252549

Method Analyte Units LOD	Au-AA25	ME-MS99	Eu														
	ppm	ppm															
BLANK	<0.01																
BLANK	<0.01																
BLANK	<0.01																
BLANK	<0.01																
Target Range - Lower Bound	<0.01																
Upper Bound	0.02																
BLANK		<4	<4	<4	2	<0.4	<0.1	0.1	<0.8	<0.2	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.03
BLANK		<4	<4	<4	2	<0.4	0.1	<0.1	<0.8	<0.2	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.03
BLANK		<4	<4	<4	2	<0.4	<0.1	0.1	<0.8	<0.2	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.03
BLANK		<4	<4	<4	3	0.4	0.1	<0.1	<0.8	<0.2	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.03
Target Range - Lower Bound	<4	<4	<4	<2	<2	<0.4	<0.1	<0.1	<0.8	<0.2	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.03
Upper Bound	10	8	4	4	4	0.8	0.2	0.2	1.6	0.4	1.0	0.2	0.2	0.2	0.06	0.04	0.06
41739	0.04																
DUP	0.05																
Target Range - Lower Bound	0.03																
Upper Bound	0.06																
41779		<5	18	27	4.6	4.6	15.9	0.8	<0.8	54.8	1.2	15.9	130	18.25	13.65	0.07	
DUP		<5	14	26	4.6	4.6	14.1	0.8	<0.8	54.2	1.3	15.9	120	17.65	13.30	0.08	
Target Range - Lower Bound		<5	11	23	4.0	4.0	14.2	0.7	<0.8	51.6	0.7	15.0	100	17.00	12.80	0.04	
Upper Bound		10	21	30	5.2	5.2	15.9	0.9	1.6	57.4	1.8	16.8	150	18.90	14.15	0.11	
41921	0.01																
DUP	0.01																
Target Range - Lower Bound	<0.01																
Upper Bound	0.02																
comp18	0.06		<5	5	38	184.0	54.2	0.7	<0.8	53.9	1.0	20.3	30	20.3	14.30	0.10	
DUP	0.04		<5	4	41	156.0	52.3	0.7	<0.8	57.2	1.0	19.3	30	21.3	14.70	0.11	
Target Range - Lower Bound	0.04		<5	<4	36	161.0	50.5	0.6	<0.8	52.6	<0.5	18.7	<20	19.75	13.75	0.07	
Upper Bound	0.06		10	8	43	179.0	56.0	0.8	1.6	58.5	1.6	20.9	40	21.9	15.25	0.14	

BLANKS

DUPLICATES

***** See Appendix Page for comments regarding this certificate *****



Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 3 - B
 Total # Pages: 4 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

QC CERTIFICATE OF ANALYSIS BU23252549

Sample Description	Method Analyte Units LOD	ME-MS99L															
		Fe %	Ca ppm	Ca ppm	Cd ppm	Ge ppm	Ho ppm	In ppm	K %	La ppm	Li ppm	Lu ppm	Mg %	Min ppm	Mo ppm	Nb ppm	Nd ppm
BLANK		0.01	0.5	0.5	0.03	0.5	0.01	0.3	0.05	0.08	2	0.05	0.01	1.0	2	0.8	0.07
BLANK																	
BLANK																	
BLANK																	
Target Range - Lower Bound		<0.01	<0.5	<0.03	<0.03	<0.5	<0.01	<0.3	<0.05	<0.08	<2	<0.05	<0.01	<10	<2	<0.8	<0.07
Upper Bound		<0.01	<0.5	<0.03	<0.03	<0.5	<0.01	<0.3	<0.05	<0.08	<2	<0.05	<0.01	<10	<2	<0.8	<0.07
BLANK		<0.01	<0.5	<0.03	<0.03	<0.5	<0.01	<0.3	<0.05	<0.08	<2	<0.05	<0.01	<10	<2	<0.8	<0.07
BLANK		<0.01	<0.5	<0.03	<0.03	<0.5	<0.01	<0.3	<0.05	<0.08	<2	<0.05	<0.01	<10	<2	<0.8	<0.07
BLANK		<0.01	<0.5	<0.03	<0.03	<0.5	<0.01	<0.3	<0.05	<0.08	<2	<0.05	<0.01	<10	<2	<0.8	<0.07
Target Range - Lower Bound		<0.01	<0.5	<0.03	<0.03	<0.5	<0.01	<0.3	<0.05	<0.08	<2	<0.05	<0.01	<10	<2	<0.8	<0.07
Upper Bound		0.02	1.0	0.06	0.06	1.0	0.02	0.6	0.10	0.16	4	0.10	<0.05	20	4	1.6	0.14
41739																	
DUP		4.80	24.2	11.60	5.6	4.15	4.15	<0.3	2.56	20.9	159	2.38	0.05	1630	60	41.6	27.8
Target Range - Lower Bound		4.56	26.7	10.85	5.8	3.98	3.98	0.3	2.57	20.8	163	2.24	0.05	1620	61	39.4	28.0
Upper Bound		4.34	23.7	10.65	4.9	3.85	3.85	<0.3	2.39	19.75	151	2.14	0.04	1530	55	37.7	26.4
41921		4.82	27.2	11.80	6.5	4.28	4.28	0.6	2.74	22.0	171	2.48	0.06	1720	66	43.3	29.4
DUP																	
Target Range - Lower Bound		3.46	27.0	15.20	5.8	4.58	4.58	<0.3	3.80	21.2	126	2.14	0.05	1030	15	36.7	30.7
Upper Bound		3.35	25.2	16.25	5.3	4.66	4.66	<0.3	3.74	21.8	119	2.31	0.05	980	15	36.7	32.0
comp 18		3.22	24.3	14.90	4.8	4.38	4.38	<0.3	3.53	20.3	114	2.06	0.04	940	12	34.1	29.7
DUP		3.59	27.9	16.55	6.3	4.86	4.86	0.6	4.01	22.7	131	2.39	0.06	1070	18	39.3	33.0

BLANKS

DUPLICATES

***** See Appendix Page for comments regarding this certificate *****

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry



QC CERTIFICATE OF ANALYSIS BU23252549

Method Analyte Units LOD	ME-MS89L Ni ppm	ME-MS89L Pb ppm	ME-MS89L Pr ppm	ME-MS89L Rb ppm	ME-MS89L Re ppm	ME-MS89L Sb ppm	ME-MS89L Se ppm	ME-MS89L Sn ppm	ME-MS89L Sr ppm	ME-MS89L Ta ppm	ME-MS89L Tb ppm	ME-MS89L Te ppm	ME-MS89L Th ppm	ME-MS89L Tl ppm	ME-MS89L %	
Sample Description	1.0	0.5	0.03	0.5	0.01	0.3	3	0.04	20	0.04	0.01	0.5	0.1	0.005		
BLANKS																
BLANK	<10	<0.5	<0.03	<0.5	<0.01	<0.3	<3	<0.04	<20	<0.04	<0.01	<0.5	<0.1	<0.005		
BLANK	<10	<0.5	<0.03	<0.5	<0.01	<0.3	<3	<0.04	<20	<0.04	<0.01	<0.5	<0.1	<0.005		
BLANK	<10	<0.5	<0.03	<0.5	<0.01	<0.3	<3	<0.04	<20	<0.04	<0.01	<0.5	<0.1	<0.005		
BLANK	10	<0.5	<0.03	<0.5	<0.01	<0.3	<3	20	20	0.04	<0.01	<0.5	<0.1	<0.005		
Target Range - Lower Bound	<10	<0.5	<0.03	<0.5	<0.01	<0.3	<3	<0.04	<20	<0.04	<0.01	<0.5	<0.1	<0.005		
Target Range - Upper Bound	20	1.0	0.06	1.0	0.02	0.6	6	0.08	40	0.08	0.02	1.0	0.2	0.010		
DUPLICATES																
41739																
DUP	<10	21.3	7.38	791	<0.01	2.8	4	9.90	20	5.19	2.53	0.5	43.0	0.023		
Target Range - Lower Bound	<10	19.8	7.22	770	0.01	2.6	7	9.80	20	4.99	2.40	0.7	41.2	0.021		
Target Range - Upper Bound	<10	19.0	6.91	741	<0.01	2.3	<3	9.32	64	4.80	2.33	<0.5	39.9	0.015		
Upper Bound	20	22.1	7.70	820	0.02	3.1	6	10.40	77	5.38	2.60	1.0	44.3	0.029		
41921																
DUP	<10	26.8	7.17	929	0.01	0.8	<3	11.70	20	5.02	2.95	1.7	41.9	0.026		
Target Range - Lower Bound	<10	27.4	7.65	929	0.01	1.0	<3	11.60	20	4.99	3.22	1.5	44.1	0.026		
Target Range - Upper Bound	<10	25.2	7.01	882	<0.01	0.6	<3	11.05	35	4.71	2.92	1.0	40.8	0.019		
Upper Bound	20	29.0	7.81	976	0.02	1.2	6	12.25	46	5.30	3.25	2.2	45.3	0.033		

***** See Appendix Page for comments regarding this certificate *****

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230
 Project: Moina Gold Pty Ltd

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry



QC CERTIFICATE OF ANALYSIS BU23252549

Method Analyte Units LOD	ME-MS99 ppm 0.02	ME-MS99 Tm ppm 0.01	ME-MS99 U ppm 0.2	ME-MS99 V ppm 1	ME-MS99 W ppm 0.3	ME-MS99 Y ppm 0.2	ME-MS99 Yb ppm 0.02	ME-MS99 Zn ppm 10
Sample Description	BLANKS							
BLANK	<0.02	<0.01	<0.2	<1	<0.3	<0.2	<0.02	<10
BLANK	<0.02	<0.01	<0.2	<1	0.4	<0.2	<0.02	10
BLANK	<0.02	<0.01	<0.2	<1	<0.3	<0.2	<0.02	<10
BLANK	0.02	<0.01	<0.2	2	<0.3	<0.2	<0.02	<10
Target Range - Lower Bound	<0.02	<0.01	<0.2	<1	<0.3	<0.2	<0.02	<10
Upper Bound	0.04	0.02	0.4	2	0.6	0.4	0.04	20
41739 DUP	DUPLICATES							
Target Range - Lower Bound	3.55	2.26	31.5	2	129.0	133.5	16.15	100
Upper Bound	3.43	2.17	29.5	2	127.0	130.0	14.80	100
41779 DUP	3.30	2.09	28.8	<1	121.5	125.0	14.70	90
Target Range - Lower Bound	3.68	2.34	32.2	3	134.5	138.5	16.25	120
Upper Bound								
41921 DUP	DUPLICATES							
Target Range - Lower Bound	3.69	2.16	18.2	2	177.5	137.5	14.45	40
Upper Bound	3.73	2.25	19.4	2	162.5	140.0	15.50	40
comp18 DUP	3.50	2.08	17.7	<1	161.0	131.5	14.20	30
Target Range - Lower Bound	3.92	2.33	19.9	3	179.0	146.0	15.75	50
Upper Bound								

***** See Appendix Page for comments regarding this certificate *****



Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 4 - A
 Total # Pages: 4 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

QC CERTIFICATE OF ANALYSIS BU23252549

Method Analyte Units	Au-AA25	ME-MS89L Ag ppm	ME-MS89L As ppm	ME-MS89L Ba ppm	ME-MS89L Be ppm	ME-MS89L Bi ppm	ME-MS89L Ca %	ME-MS89L Cd ppm	ME-MS89L Ce ppm	ME-MS89L Co ppm	ME-MS89L Cs ppm	ME-MS89L Cu ppm	ME-MS89L Dy ppm	ME-MS89L Er ppm	ME-MS89L Eu ppm
Sample Description	LOD	5	4	2	0.4	0.1	0.1	0.8	0.2	0.5	0.1	2.0	0.03	0.02	0.03
ORIGINAL	0.08														
DUP	0.08														
Target Range - Lower Bound	0.07														
Upper Bound	0.09														
ORIGINAL		<5	<4	826	8.1	4.2	3.6	<0.8	59.1	13.2	97.4	<20	2.03	0.92	1.32
DUP		<5	<4	831	8.1	3.4	3.6	<0.8	59.2	13.5	98.7	<20	2.05	0.86	1.34
Target Range - Lower Bound		<5	<4	785	7.3	3.5	3.3	<0.8	56.0	12.2	93.0	<20	1.91	0.83	1.23
Upper Bound		10	8	872	8.9	4.1	3.9	1.6	62.3	14.5	103.0	40	2.17	0.95	1.43
ORIGINAL		<5	<4	669	20.7	7.9	2.9	<0.8	55.3	11.8	204	40	2.08	0.87	1.17
DUP		<5	<4	695	20.5	8.1	3.0	<0.8	57.9	12.0	208	40	2.16	0.91	1.14
Target Range - Lower Bound		<5	<4	646	19.2	7.5	2.7	<0.8	53.6	10.8	195.5	<20	1.98	0.83	1.07
Upper Bound		10	8	718	22.0	8.5	3.2	1.6	59.6	13.0	216	60	2.26	0.95	1.24

DUPLICATES

***** See Appendix Page for comments regarding this certificate *****

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry



Project: Moina Gold Pty Ltd
QC CERTIFICATE OF ANALYSIS BU23252549

Method Analyte Units LOD	ME-MS89L Ni ppm 1.0	ME-MS89L Pb ppm 0.5	ME-MS89L Pr ppm 0.03	ME-MS89L Rb ppm 0.5	ME-MS89L Re ppm 0.01	ME-MS89L Sb ppm 0.3	ME-MS89L Se ppm 3	ME-MS89L Sm ppm 0.04	ME-MS89L Sn ppm 3	ME-MS89L Sr ppm 20	ME-MS89L Ta ppm 0.04	ME-MS89L Tb ppm 0.01	ME-MS89L Te ppm 0.5	ME-MS89L Th ppm 0.1	ME-MS89L Tl % 0.005
ORIGINAL															
DUP															
Target Range - Lower Bound	30	9.0	7.26	5.17	-0.01	<-0.3	<-3	5.38	5	860	5.82	0.43	<-0.5	2.7	0.305
Upper Bound	40	9.2	7.25	5.19	-0.01	<-0.3	<-3	5.09	5	860	5.05	0.44	<-0.5	2.6	0.307
ORIGINAL															
DUP															
Target Range - Lower Bound	20	8.1	6.86	4.92	<-0.01	<-0.3	<-3	4.88	<-3	800	5.12	0.40	<-0.5	2.4	0.278
Upper Bound	50	10.1	7.85	5.44	0.02	0.6	6	5.54	6	920	5.75	0.47	1.0	2.9	0.334
ORIGINAL															
DUP															
Target Range - Lower Bound	20	11.9	6.82	1225	<-0.01	<-0.3	<-3	5.17	5	630	10.40	0.42	<-0.5	3.5	0.278
Upper Bound	20	12.0	7.04	1235	<-0.01	<-0.3	<-3	5.24	3	650	11.10	0.47	<-0.5	3.9	0.273
ORIGINAL															
DUP															
Target Range - Lower Bound	<10	10.9	6.55	1170	<-0.01	<-0.3	<-3	4.90	<-3	590	10.15	0.41	<-0.5	3.4	0.250
Upper Bound	30	13.0	7.31	1290	0.02	0.6	6	5.51	6	690	11.95	0.48	1.0	4.0	0.301

DUPLICATES

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: 4 - D
 Total # Pages: 4 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

QC CERTIFICATE OF ANALYSIS BU23252549

Method	ME-MS89L										
Analyte	TI	U	V	W	Y	Yb	Zn				
Units	ppm										
LOD	0.02	0.01	0.2	0.3	0.2	0.02	1.0				
ORIGINAL	4.16	0.12	1.4	76	<0.3	11.2	0.81	100			
DUP	4.14	0.13	1.4	79	<0.3	10.5	0.80	100			
Target Range - Lower Bound	3.92	0.11	1.1	73	<0.3	10.1	0.74	90			
Target Range - Upper Bound	4.38	0.14	1.7	82	0.6	11.6	0.87	120			
ORIGINAL	8.35	0.12	1.7	73	<0.3	10.7	0.72	90			
DUP	8.59	0.11	2.0	75	17.7	10.8	0.73	100			
Target Range - Lower Bound	8.03	0.10	1.6	69	8.3	10.0	0.67	80			
Target Range - Upper Bound	8.91	0.13	2.1	79	9.8	11.5	0.78	110			

DUPLICATES

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
 www.alsglobal.com/geochemistry

To: MOINA GOLD PTY LTD
 PO BOX 3110
 SOUTH BURNIE TAS 7230

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 24-OCT-2023
 Account: MOIGOL

Project: Moina Gold Pty Ltd

QC CERTIFICATE OF ANALYSIS BU23252549



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 Burnie located at 39 River Road, Burnie, TAS, Australia. Au-AA25 CMP-23 LEV-01 LOG-24 PUL-QC WEI-21</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. ME-MS89L</p> <p>CRU-21 PUL-23</p>

Appendix C – SQD1 Log

Moina Gold Pty Ltd

BHID

SQD1

Project	Prospect	GDA94 East	GDA94 North	RL	Depth	Geologist
Moina	Squib	425,862	5,406,695	606.5	321.5	GMacDonald

Surveys

Depth	Azm (TN)	Dip
0	64	-60
15	64.56	-60.14
45	69.2	-59.44
75	70.5	-58.74
105	71.7	-58.04
135	73.46	-56.9
165	75.09	-55.88
195	75.81	-55.1
225	76.89	-54.06
255	77.9	-53.41
285	78.24	-52.28
315	78.83	-51.39

Drilled:	Start:	"April 2023"
	Finish:	"May 2023"
Drill Co:	Spauldings	
Driller:	McLoughlin/Blacklow/Meares/Marshall	

Diam:	From	Size
	0	HQ3
Casing:	removed	

Summary Log

0	3.7	Quartzite weakly weathered
3.7	34.6	Hornfelsed (quartzite, biotite) quartz sandstone & some incipient greisenisation
34.6	35.1	Aplite dyke with Sn & WO3
35.1	44.45	Hornfelsed (quartzite, biotite) quartz sandstone & some incipient greisenisation
44.45	44.95	Aplite dyke (?)
44.95	164.1	Hornfelsed (quartzite, biotite) quartz sandstone
164.1	164.5	Greisen on contact
164.5	321.5	Granodiorite with extensive greisenisation

Collar Survey method/accuracy

Handheld GPS (error +/- 4m)

Down Hole Survey method

Eastman single shot

SQD1**0.00 3.7 Weathered Quartzite**

Medium brownish grey, weak/moderately weathered quartzite rock which continues downhole. Negligible soil development.

3.7 30.5 Quartzite

Quartzite. Hornfelsed medium grained quartz sandstone. Predominantly quartzite hornfels with zone biotite hornfelsing 22.6m to 24.9m. Light grey 3.7m to ~22.6m, brownish grey ~22.6m to 24.9m, light grey 24.9m to 30.5m. From 16.3m to 18.5m is yellowish brown zone of incipient greisenisation. Bedding is 70° to core axis at 24.5m.

9.15	quartz vein, 5mm thick at 80° to core axis
10.1	quartz vein, 20mm thick at 60° to core axis
11.0	quartz vein, 15mm thick at 75° to core axis
11.1	quartz vein, 30mm thick at 45° to core axis
11.4	quartz vein, 20mm thick at 70° to core axis
11.75	quartz vein, 15mm thick at 65° to core axis
11.85	quartz vein, 25mm thick at 70° to core axis
11.9	quartz vein, 50mm thick at 80° to core axis
12.15	quartz vein, 2mm thick at 45° to core axis with WO3
12.25	quartz vein, 40mm thick at 80° to core axis
12.3	quartz vein, 1mm thick at 45° to core axis
12.4	quartz vein, 2mm thick at 45° to core axis with WO3
12.6	quartz vein, 15mm thick at 60° to core axis
12.7	quartz vein, 10mm thick at 40° to core axis
12.9	quartz vein, 5mm thick at 60° to core axis
15.15	quartz vein, 1mm thick at 30° to core axis with Mo
15.8	quartz vein, 4mm thick at 30° to core axis with Mo
16	quartz vein, 5mm thick at 30° to core axis with Mo and WO3 and pyrite
16.4	greisen vein, 8mm thick, at 40° to core axis, with Mo and WO3
16.7	quartz vein, 1mm thick at 0° to core axis with Mo
16.9	quartz vein, 1mm thick at 0° to core axis and pyrite
17	quartz vein, 1mm thick at 25° to core axis with pyrite and with Mo
17.15	quartz vein, 1mm thick at 25° to core axis with pyrite and with Mo
17.25	quartz vein, 15mm thick at 30° to core axis with Mo and WO3
17.35	disseminated Mo in greisen
17.75	quartz vein, 8mm thick at 30° to core axis with Mo
17.95	quartz vein, 3mm thick at 30° to core axis with Mo and WO3

18.25	quartz vein, 2mm thick at 25° to core axis with Mo
18.65	quartz vein, 10mm thick at 25° to core axis with Mo
18.75	quartz vein, 1mm thick at 30° to core axis with Mo
18.775	quartz vein, 1mm thick at 30° to core axis with Mo
19.5	quartz vein, 25mm thick at 75° to core axis
19.6	quartz vein, 1mm thick at 25° to core axis with Mo
20.2	quartz vein, 1mm thick at 25° to core axis with Mo
20.6	quartz vein, 1mm thick at 40° to core axis with Mo
20.7	quartz vein, 1mm thick at 40° to core axis with Mo
20.75	quartz vein, 1mm thick at 80° to core axis with Mo
20.8	quartz vein, 1mm thick at 40° to core axis with Mo
21	quartz vein, 2mm thick at 25° to core axis with Mo
21.1	quartz vein, 2mm thick at 25° to core axis with Mo
21.5	quartz vein, 2mm thick at 30° to core axis with Mo and WO3
23.85	quartz vein, 3mm thick at 30° to core axis with Mo
24.55	quartz vein, 2mm thick at 40° to core axis with Mo
26.8	quartz vein, 1mm thick at 40° to core axis
28.3	quartz vein, 1mm thick at 20° to core axis with Mo

30.5 34.6 Quartzite with Incipient Greisenisation

Continuation of unit uphole now with overprinting incipient greisenisation. Orangey brown weakly weathered zone of silicification and muscovite overprinting quartzite as incipient greisen. Most intense greisenisation 30.5m to 31.15m and 32.15m to 32.8m. Bedding is 65° to core axis at 33m and 40° at 40m.

30.5	31.15	incipient greisen
32.15	32.8	incipient greisen

34.6 35.1 Aplitic Dyke

Tan brown, weakly weathered carbonate (sideritic?) altered aplite dyke.

34.6		Upper contact is sharp at 70° to core axis.
34.6	34.7	Sulphidic rubble with arsenopyrite and coarse black sphalerite
34.7	35.0	Tan brown massive carbonate altered aplite with two patches of sphalerite
35.0	35.1	Pegmatitic lower contact ~60° to core axis with coarse WO3 blades in semi-massive arsenopyrite>pyrite

35.1 44.45 Quartzite with Incipient Greisenisation

Continuation of unit uphole now with overprinting incipient greisenisation. Medium brownish grey quartzite with gritty zone 39.95m to 40.25m. Bedding 40 ° to core axis at 40.0m.

37 quartz vein, 10mm thick at 75° to core axis
37.2 quartz vein, 8mm thick at 25° to core axis
38.5 quartz vein, 1mm thick at 70° to core axis with WO3
38.65 quartz vein, 3mm thick at 50° to core axis
38.65 quartz vein, 20mm thick at 60° to core axis
38.9 quartz vein, 20mm thick at 80° to core axis
39.05 quartz vein

44.45 44.95 Aplite Dyke (?)

Tan brown, weakly weathered carbonate (sideritic?) altered fine grained massive rock with ~5% irregular thin black tourmaline veins/autobreccia. Both upper and lower contacts are in broken core. Lower contact rubbly material is semi-massive arsenopyrite + pyrite. There is no obvious Mo or WO3 in this probable dyke.

44.95 52.5 Quartzite

Mottled brownish grey and medium grey quartzite. Mottling due to variable biotite alteration of variable silty fraction in primary sediment.

45.05 greisen vein, 1mm thick, at 25° to core axis, with pyrite
45.05 greisen vein, 20mm thick, at 45° to core axis, with pyrite
46 greisen vein, 5mm thick, at 60° to core axis, with pyrite
46.2 greisen vein, 2mm thick, at 75° to core axis, with pyrite
46.5 greisen vein, 2mm thick, at 50° to core axis, with pyrite
46.7 greisen vein, 2mm thick, at 50° to core axis, with pyrite
47.05 greisen vein, 5mm thick, at 30° to core axis,
47.8 quartz vein, 15mm thick at 30° to core axis, with pyrite and biotite
48.05 quartz vein 40mm thick with pyrite and biotite
48.5 quartz vein, 2mm thick at 40° to core axis
50.05 quartz vein, 50mm thick at 40° to core axis, with pyrite and biotite
50.4 quartz vein, 15mm thick at 30° to core axis with pyrite
50.75 quartz vein, 5mm thick at 50° to core axis with WO3
51 quartz vein, 4mm thick at 45° to core axis with WO3

52.5 59.3 Quartzite

Quartzite, light greenish grey, weakly foliated, hornfelsed quartz sandstone with pervasive sericitization and silicification imparting the colour. Bedding is 45° to core axis at 56.5m.

53.3 greisen-like with orange aplitic? material, with Mo and WO3

- 53.4 quartz vein, 2mm thick at 30° to core axis
- 53.5 quartz vein, 2mm thick at 25° to core axis
- 54.3 quartz vein, 10mm thick at 25° to core axis

59.3 92.8 Quartzite

Mottled brownish grey and medium grey quartzite. Mottling due to variable biotite alteration of variable silty fraction in primary sediment. From 64.5m to ~90.0m the rock contains a variable amount (up to 5%) of disseminated pyrite as pervasive alteration. Bedding is 35° to core axis at 75.4m and 20° to core axis at 89.5m.

- 61.8 quartz vein, 30mm thick at 75° to core axis and bismuth
- 61.85 61.9 quartz vein, 50mm thick at 70° to core axis
- 62.1 quartz vein, 8mm thick at 30° to core axis with Mo and WO₃
- 67 67.2 blotchy silicified zone with probable vein and significant moly on fracture surface
- 71.7 quartz vein, 1mm thick at 25° to core axis
- 72.25 72.3 quartz vein 50mm thick with pyrite
- 72.45 greisen vein, 2mm thick, at 70° to core axis,
- 73.4 quartz vein, 2mm thick at 70° to core axis
- 75.35 greisen vein, 2mm thick, at 60° to core axis, with Mo
- 75.55 greisen vein, 3mm thick, at 45° to core axis,
- 75.85 biotite vein at 50° to core axis
- 76.05 quartz vein 15mm thick with pyrite
- 76.25 greisen vein, 10mm thick, at ° to core axis, with Mo and WO₃
- 76.4 quartz vein, 8mm thick at 70° to core axis with pyrite
- 77.05 quartz vein 30mm thick with pyrite
- 77.8 quartz vein 10mm thick
- 80.2 quartz vein, 15mm thick at 70° to core axis with pyrite
- 80.7 semi-massive sulphide vein 15mm thick at 50° to core axis with, pyrite, chalcopyrite, chalcopyrite, arsenopyrite
- 82.35 quartz vein, 25mm thick at 60° to core axis
- 84.05 84.35 greisen, 300mm thick, gradational upper contact, lower contact at 60° to core axis
- 85 quartz vein, 10mm thick at 20° to core axis with WO₃
- 85.8 greisen vein, 10mm thick, at 40° to core axis, with pyrite
- 86.3 quartz vein, 15mm thick at 65° to core axis
- 87.65 greisen vein, 3mm thick, at 80° to core axis, with pyrite
- 87.85 greisen vein, 3mm thick, at 55° to core axis, with pyrite

92.8 101.7 Quartzite

Predominantly banded brownish grey and medium layers after S0. Dark layers coarse biotite. Bedding is 45° to core axis at 95.5m.

- 93.65 greisen vein, 8mm thick, at 65° to core axis, with pyrite

98.1 quartz vein, 3mm thick at 80° to core axis
98.4 quartz vein 1mm thick
101.05 quartz vein, 25mm thick at 70° to core axis with pyrite and chalcopyrite
101.2 101.6 greisen, 400mm thick

101.7 103.9 Quartzite

Mottled brownish grey and medium grey quartzite. Mottling due to variable biotite alteration of variable silty fraction in primary sediment.

102.3 quartz vein, 40mm thick at 60° to core axis
102.4 quartz vein 5mm thick with pyrite and biotite
102.55 quartz vein, 8mm thick at 80° to core axis
102.65 greisen, 40mm thick, at 75° to core axis, inc. central seam (light green mineral) epidote?
102.8 greisen, 40mm thick, at 75° to core axis inc. 15mm thick central seam pegmatitic beryl crystals

103.9 108.5 Quartzite

Quartzite, light greenish grey, weakly foliated, hornfelsed quartz sandstone with pervasive sericitization and silicification imparting the colour. Bedding is 40° to core axis at 106m.

107.85 greisen vein, 5mm thick, at 75° to core axis, with Mo

108.5 124.2 Quartzite

Dark brownish grey to medium grey quartzite with colour due to variable biotite hornfelsing of quartzite, with zones of light greenish grey to yellowish grey due to overprinting white mica alteration. Bedding is 15° to core axis at 111m and 10° to core axis at 118.5m.

108.55 quartz vein, 20mm thick at 70° to core axis
108.8 biotite vein at 80° to core axis
108.85 greisen vein, 2mm thick, at 85° to core axis,
109.1 greisen vein, 20mm thick, at ° to core axis, with Mo
109.6 quartz vein 30mm thick with pyrite
117.8 greisen vein, 4mm thick, at 80° to core axis,
118.4 quartz vein, 80° to core axis
119.75 greisen vein, 1mm thick, at 40° to core axis, with Mo
120.25 greisen vein, 1mm thick, at 65° to core axis,
121.3 greisen vein, 3mm thick, at 35° to core axis, with Mo
121.55 semi-massive pyrite vein 10mm thick at 70 to core axis.

124.2 132.0 Quartzite

Similar to 103.9m to 108.5m. Bedding is 25° to core axis at 124.5m and 15° to core axis at 132m.

125.05 greisen vein, 15mm thick, at 65° to core axis,
 126.05 greisen vein, 3mm thick, at 65° to core axis,
 130.8 quartz vein, 20mm thick at 70° to core axis

132.0 164.1 Quartzite

Intermixed zones of mottled dark brownish grey to medium grey variably biotite hornfelsed quartzite with light greenish grey to yellowish grey white mica bleaching alteration. Main lighter zones are 140.5m to 145.0m, 147.4m to 148.9m, 155.2m to 157.4m. Bedding is 20° to core axis at 145m and 40° to core axis at 161m.

132.1 quartz vein, 3mm thick at 25° to core axis
 132.2 quartz vein, 1mm thick at 70° to core axis
 132.4 quartz vein, 8mm thick at 80° to core axis
 132.65 quartz vein, 40mm thick at 65° to core axis with WO₃
 133.5 quartz vein 8mm thick
 134.5 quartz vein, 25mm thick at 70° to core axis with pyrite
 135.05 quartz vein, 8mm thick at 60° to core axis with Mo
 136.7 greisen vein, 8mm thick, at 80° to core axis,
 137.6 137.65 quartz vein, 50mm thick at 70° to core axis with pyrite and chalcopyrite
 137.7 greisen vein, 5mm thick, at 80° to core axis,
 140.6 quartz vein, 35mm thick at 65° to core axis with Mo and WO₃
 141.7 greisen vein, 8mm thick, at 70° to core axis, with pyrite
 142.45 142.5 quartz vein, 100mm thick at 80° to core axis
 142.55 aplite vein/dyke at 75° to core axis
 142.8 aplite vein/dyke
 145.3 greisen vein, 8mm thick, at 55° to core axis,
 148.15 quartz vein, 3mm thick at 60° to core axis
 148.6 quartz vein, 8mm thick at 30° to core axis with WO₃
 149.6 greisen vein, 3mm thick, at 65° to core axis,
 150.65 greisen vein, 2mm thick, at 50° to core axis,
 151.2 greisen vein, 3mm thick, at 55° to core axis,
 152.45 152.5 quartz vein, 25mm thick at 70° to core axis
 154.2 quartz vein, 15mm thick at 60° to core axis with Mo
 157 greisen vein, 3mm thick, at 30° to core axis,
 158 greisen vein, 2mm thick, at 60° to core axis,
 159.25 quartz vein, 25mm thick at 60° to core axis, with pyrite
 162.15 15mm greisen vein or thin aplitic dyke with abundant coarse slugs of molybdenite
 162.45 greisen vein, 30mm thick at 5° to core axis
 162.55 greisen vein, 5mm thick at 40° to core axis

162.6 greisen vein, 2mm thick at 70° to core axis
 162.85 greisen vein, 20mm thick, at 25° to core axis with pyrite and beryl
 163.35 quartz vein, 5mm thick at 80° to core axis with Mo and WO3

164.1 164.5 Greisen on Contact

Greisen between quartzite uphole and granite downhole. Some ghosted mottling textures suggest greisen has over printed biotite hornfelsed quartzite. Contains major quartz + WO3 + Mo vein 15mm true thickness 80° to core axis at 164.25m.

164.1 164.5 greisen, 350mm thick, irregular upper contact, lower contact at 80° to core axis, with 25mm quartz + abundant Mo + WO3 at 164.25

164.5 321.5 Granite with variably common to occasional greisen zones up to 2m wide

Creamy to yellowish orange granodiorite cross-cut by a sheeted system of greisen zones from a few mm to up to 2m in width. Associated with variable minor wolframite and molybdenite. Granite colour variable; 164.6m to 173.3m very light grey, 173.3m to 175.65m yellowish orange to pale yellowish orange, 175.65m to 183.9m very light grey, 183.9m to 203m yellowish orange, 203m to 226m mottled light greenish grey to light grey, 226m to 235m pale yellowish orange, 235m to 240m mottled light greenish grey/light grey, 240 to 266.6m very light yellowish grey, 266.6m to 321.5m mottled pale yellowish orange to yellowish orange. Red k-feldspar zones are 290.2m to 290.35m, 300.6m to 300.7m and 313.05m to 313.2m.

164.85 greisen, 20mm thick, at 70° to core axis
 164.95 greisen, 10mm thick, at 70° to core axis
 165.15 greisen, 30mm thick, at 70° to core axis
 165.4 165.5 greisen, 100mm thick, at 70° to core axis
 165.5 165.55 greisen, 30mm thick, at 70° to core axis
 165.6 incipient greisen at 70° to core axis
 165.65 incipient greisen at 70° to core axis
 165.7 incipient greisen at 70° to core axis
 165.75 incipient greisen at 70° to core axis
 165.8 incipient greisen at 70° to core axis
 165.8 166 greisen, 200mm thick, upper contact at 70° to core axis, lower contact at 70°
 166.25 166.6 greisen, 350mm thick, upper contact at 60° to core axis, lower contact at 80°
 166.75 greisen, 15mm thick
 166.9 167 incipient greisen, upper contact at 50° to core axis, lower contact at 45°
 167.1 167.15 incipient greisen, irregular upper and lower contacts
 167.2 167.35 greisen, 150mm thick, upper contact at 60° to core axis, lower contact at 70°
 167.4 incipient greisen at 70° to core axis
 167.65 incipient greisen at 70° to core axis
 167.7 incipient greisen at 70° to core axis
 167.8 incipient greisen at 70° to core axis
 167.95 incipient greisen at 70° to core axis

168.25	168.35	greisen, 100mm thick, upper contact at 70° to core axis, lower contact at 80°
168.65	168.75	greisen, 100mm thick, upper contact at 55° to core axis, lower contact at 80°
169.15	169.35	incipient greisen, irregular upper and lower contacts
169.4	169.7	greisen, 300mm thick, upper contact at 55° to core axis, lower contact at 35°
169.9	170.05	greisen, 150mm thick, upper contact at 70° to core axis, lower contact at 50°
170.05		incipient greisen at 45° to core axis
170.2		incipient greisen at 45° to core axis
170.35		incipient greisen at 45° to core axis
170.5		incipient greisen at 45° to core axis
170.7		incipient greisen at 45° to core axis
171.7	171.9	incipient greisen, upper contact at 45° to core axis, lower contact at 70°
172		incipient greisen at 70° to core axis
172.1		incipient greisen at 70° to core axis
172.2	173.25	greisen, 1050mm thick, at 70° to core axis
173.65	173.9	greisen, 250mm thick
174	174.25	incipient greisen
174.2	174.5	greisen, 300mm thick, upper contact at 60° to core axis, lower contact at 70°
174.35	174.45	fault
174.5	175.1	k-feldspar altered
176.25		greisen, 5mm thick, at 70° to core axis
176.4	176.55	greisen, 150mm thick, upper contact at 75° to core axis, lower contact at 60°, with 30mm massive pyrophyllite with coarse fluorite in centre
176.55		greisen, 10mm thick, at 80° to core axis
176.6		greisen, 30mm thick, at 80° to core axis
176.7		greisen, 15mm thick, at 75° to core axis
176.85	177.25	greisen, 400mm thick, at 70° to core axis
177.35		greisen, 15mm thick, at 65° to core axis
177.45		greisen, 25mm thick, at 70° to core axis
177.7		greisen, 80mm thick, at 70° to core axis
177.8		greisen, 50mm thick, at 65° to core axis
177.85	178.1	greisen, 250mm thick, upper contact at 70° to core axis, lower contact at 70°
178.2		greisen, 30mm thick, at 70° to core axis
178.4	178.5	greisen, 100mm thick, upper contact at 60° to core axis, lower contact at 70°
178.55	179.15	greisen, 600mm thick, upper contact at 45° to core axis, lower contact at 65°
179.25		incipient greisen, irregular upper and lower contacts
179.4		greisen, 40mm thick, at 85° to core axis
179.55		incipient greisen at 60° to core axis

179.75		greisen, 30mm thick, at 75° to core axis
180.2	180.3	greisen, 100mm thick, with irregular upper and lower contacts
180.85		greisen, 20mm thick, at 70° to core axis
180.95		greisen, 10mm thick, at 70° to core axis
181.1	181.9	greisen, 800mm thick, upper contact at 60° to core axis, lower contact at 75°
181.95	182	greisen, 50mm thick, upper contact at 75° to core axis, irregular lower contact
182.5	182.9	greisen, 400mm thick, upper contact at 60° to core axis, lower contact at 60°
183.15	183.3	greisen, 150mm thick, upper contact at 75° to core axis, lower contact at 60°
183.5		incipient greisen at 70° to core axis
183.6		incipient greisen at 70° to core axis
183.7		incipient greisen at 70° to core axis
183.8		incipient greisen at 70° to core axis
183.9	184.15	greisen, 250mm thick, upper contact at 70° to core axis, lower contact at 70°
183.9		incipient greisen at 70° to core axis
184.15		incipient greisen zones
184.9	185	incipient greisen
186.7	187	greisen, 300mm thick, irregular contacts
187.2	187.4	incipient greisen
187.75	187.95	incipient greisen
188.05		greisen, 20mm thick, at 70° to core axis
188.2		incipient greisen at 70° to core axis
188.5		greisen, 5mm thick, at 70° to core axis
188.75		greisen, 20mm thick, at 70° to core axis
189	189.05	greisen, 50mm thick, at 70° to core axis
189.2	189.5	greisen, 300mm thick, at 70° to core axis
189.6	189.65	greisen, 50mm thick, at 70° to core axis
189.75	189.85	incipient greisen at 70° to core axis
189.9	190.05	greisen, 150mm thick, upper contact at 65° to core axis, lower contact at 80°
190.45		incipient greisen at 70° to core axis
190.55		incipient greisen at 70° to core axis
190.7		incipient greisen at 70° to core axis
190.85	190.9	incipient greisen at 70° to core axis
191.05		incipient greisen at 70° to core axis
191.15		incipient greisen at 70° to core axis
191.25		incipient greisen at 70° to core axis
191.5	191.65	greisen, 150mm thick, with irregular upper and lower contacts

191.75		greisen, 10mm thick
191.9		greisen, 10mm thick
191.95	192.05	greisen, 100mm thick, upper contact at 75° to core axis, lower contact at 75°
192.25		quartz vein, 5mm thick at 75° to core axis
192.7	193.2	incipient greisen, upper contact at 60° to core axis, lower contact at 70°
193.45	193.6	greisen, 150mm thick, upper contact at 70° to core axis, lower contact at 70°
193.9	194.1	incipient greisen, upper contact at 70 to core axis, lower contact irregular
194.15	194.3	greisen, 150mm thick, upper contact at 70° to core axis, lower contact at 70°
194.45	194.8	greisen, 350mm thick, upper contact at 70° to core axis, lower contact at 75°
195.1	195.9	incipient greisen, upper contact at 60° to core axis, lower contact at 65°
196	196.1	greisen, 100mm thick, irregular upper contact, lower contact at 70° to core axis
196.15	196.2	greisen, 40mm thick, at 70° to core axis
196.25	196.3	greisen, 20mm thick, at 70° to core axis
196.4		greisen, 50mm thick, at 70° to core axis
196.5		greisen, 50mm thick, at 70° to core axis
196.6		greisen, 50mm thick, at 70° to core axis
196.7		greisen, 50mm thick, at 70° to core axis
196.75	197	greisen, 250mm thick, at 70° to core axis
197.1	197.25	greisen, 150mm thick, at 70° to core axis
197.35		greisen, 15mm thick, at 70° to core axis
197.45		greisen, 15mm thick, at 70° to core axis
197.55		greisen, 15mm thick, at 70° to core axis
197.65		greisen, 10mm thick, at 70° to core axis
198.1	198.5	greisen, 400mm thick, upper contact at 60° to core axis, lower contact at 30°
198.8		greisen, 5mm thick, at 60° to core axis
198.9	199	incipient greisen at 50° to core axis
199.15		greisen, 15mm thick, at 70° to core axis
199.3	199.4	greisen, 70mm thick, upper contact at 60° to core axis, lower contact at 60°
199.3	199.35	greisen, 25mm thick, at 70° to core axis
199.6	199.9	greisen, 300mm thick, upper contact at 35° to core axis, lower contact at 45°
200	200.3	greisen, 300mm thick, upper contact at 60° to core axis, lower contact at 60°
200.5	200.6	incipient greisen, irregular upper and lower contacts
200.7		incipient greisen
200.8		greisen, 15mm thick, at 70° to core axis
200.9	201	incipient greisen at 70° to core axis
201.1	201.175	greisen, 75mm thick, at 70° to core axis

201.6		greisen, 5mm thick, at 70° to core axis
201.65		greisen, 15mm thick, at 70° to core axis
201.7		greisen, 15mm thick, at 70° to core axis
201.8	201.85	greisen, 70mm thick, at 65° to core axis
201.8		greisen, 10mm thick, at 80° to core axis
201.95		greisen, 30mm thick, at 65° to core axis
202.15	202.3	greisen, 150mm thick, upper contact at 80° to core axis, lower contact at 75°
202.4		quartz vein, 5mm to 10mm thick, at 70° to core axis
202.6	202.8	greisen, 200mm thick, upper contact at 85° to core axis, lower contact at 75°
203.35		greisen, 10mm thick, upper contact at 75° to core axis, lower contact at 75°
203.35		greisen, 15mm thick, upper contact at 75° to core axis, lower contact at 75°
203.75		quartz vein, 10mm thick at 65° to core axis
205.05		incipient greisen at 65° to core axis
205.1		incipient greisen at 70° to core axis
205.55		incipient greisen, upper contact at 65° to core axis, lower contact at 65°
205.6		incipient greisen, upper contact at 65° to core axis, lower contact at 65°
205.95		incipient greisen at 70° to core axis
206		incipient greisen at 70° to core axis
206.5	206.55	incipient greisen at 75° to core axis
206.65	206.7	incipient greisen at 75° to core axis
206.8		greisen, 5mm thick, at 75° to core axis
207.25		incipient greisen at 75° to core axis
207.3	207.35	greisen, 30mm thick, upper contact at 70° to core axis, lower contact at 70°
207.6		greisen, 10mm thick, at 75° to core axis
207.7		greisen, 10mm thick, at 75° to core axis
207.9	208.15	greisen, 250mm thick, at 75° to core axis
208.2	208.25	greisen, 50mm thick, upper contact at 75° to core axis, lower contact at 75°
208.65	208.7	greisen, 30mm thick, upper contact at 85° to core axis, lower contact at 60°
208.8	208.95	greisen, 120mm thick, upper contact at 65° to core axis, lower contact at 75°
209.05		greisen, 10mm thick, at 70° to core axis
209.2		greisen, 30mm thick, upper contact at 75° to core axis, lower contact at 75°
209.85	210.45	greisen, 600mm thick, upper contact at 60° to core axis, lower contact at 40°
210.75	210.85	greisen, 80mm thick, irregular upper contact, lower contact at 65° to core axis
212.05		incipient greisen at 75° to core axis
212.1		incipient greisen at 85° to core axis
212.15		incipient greisen at 75° to core axis

212.4	212.45	greisen, 50mm thick, upper contact at 75° to core axis, lower contact at 85°
213	213.05	greisen, 50mm thick, upper contact at 75° to core axis, lower contact at 65°
213.1	213.15	greisen, 80mm thick, upper contact at 60° to core axis, lower contact at 75°
213.35	213.45	greisen, 100mm thick, upper contact at 60° to core axis, lower contact at 60°
213.7	213.8	incipient greisen, upper contact at 75° to core axis, lower contact at 80°
214.3	214.4	incipient greisen, irregular upper and lower contacts
214.55	214.6	greisen, 70mm thick, upper contact at 65° to core axis, lower contact at 65°
215.8		greisen, 30mm thick, upper contact at 70° to core axis, lower contact at 70°
215.9	216	greisen, 100mm thick, upper contact at 70° to core axis, lower contact at 70°
216.05	216.15	greisen, 100mm thick, upper contact at 50° to core axis, lower contact at 80°
216.25		greisen, 20mm thick, at 75° to core axis
216.45	216.5	greisen, 50mm thick, upper contact at 70° to core axis, lower contact at 80°
216.45		incipient greisen at 75° to core axis
216.5		incipient greisen at 75° to core axis
216.55	216.6	greisen, 50mm thick, upper contact at 80° to core axis, lower contact at 80°
216.65	216.8	incipient greisen
217.05	217.35	incipient greisen
217.45	217.8	greisen, 350mm thick, upper contact at 65° to core axis, lower contact at 65°, with two light green seams 5-10mm thick epidote
218.05	218.2	greisen, 150mm thick, upper contact at 60° to core axis, lower contact at 70°
219	219.1	greisen, 100mm thick, upper contact at 70° to core axis, lower contact at 70°
220.4	220.85	greisen, 450mm thick
221.05		quartz vein, 15mm thick at 50° to core axis with WO ₃
222.7	222.8	greisen, 80mm thick, upper contact at 60° to core axis, lower contact at 70°
222.85		greisen, 20mm thick, at 65° to core axis
223.6	223.85	greisen, 250mm thick, upper contact at 85° to core axis, lower contact at 60°
224.5	224.7	greisen, 150mm thick, upper contact at 55° to core axis, lower contact at 55°
224.675	224.725	greisen, 50mm thick, with irregular upper and lower contacts
224.85		incipient greisen at 70° to core axis
225.45	225.6	k-feldspar altered
225.8	225.95	greisen, 150mm thick, upper contact at 65° to core axis, lower contact at 65°, with Mo
226.15		incipient greisen at 70° to core axis
226.45		incipient greisen at 65° to core axis
226.55		incipient greisen at 65° to core axis
226.8		incipient greisen at 65° to core axis
226.95		quartz vein, 5mm to 10mm thick, at 65° to core axis
227		quartz vein, 5mm to 10mm thick, at 65° to core axis

227.4		greisen, 40mm thick, at 70° to core axis
227.5		greisen, 10mm thick, at 70° to core axis
227.8	227.85	greisen, 50mm thick, upper contact at 60° to core axis, lower contact at 60°
228		incipient greisen at 65° to core axis
228.05		incipient greisen at 65° to core axis
228.1		incipient greisen at 65° to core axis
228.15		incipient greisen at 65° to core axis
228.2		incipient greisen at 65° to core axis
228.25		incipient greisen at 65° to core axis
228.3		incipient greisen at 65° to core axis
228.35		incipient greisen at 65° to core axis
228.4		incipient greisen at 65° to core axis
228.45	229.95	greisen, 1500mm thick, upper contact at 65° to core axis, irregular lower contact, much is light green epidote
230.05		incipient greisen at 70° to core axis
230.05	231.05	coarser grained granite
231.05		quartz vein, 1mm to 2mm thick, at 60 to 80° to core axis
231.15		quartz vein, 1mm to 2mm thick, at 60 to 80° to core axis
231.25		quartz vein, 1mm to 2mm thick, at 60 to 80° to core axis
231.35		quartz vein, 1mm to 2mm thick, at 60 to 80° to core axis
231.45		quartz vein, 1mm to 2mm thick, at 60 to 80° to core axis
231.55		quartz vein, 1mm to 2mm thick, at 60 to 80° to core axis
231.65	231.8	greisen, 150mm thick, upper contact at 70° to core axis, lower contact at 70°, with Mo and WO3
231.95	233.2	greisen, 1250mm thick, with Mo, with central seam at 233.0 with coarse euhedral quartz and beryl?
233.4		incipient greisen, 70°/80° to core axis, with Mo and WO3
233.5		incipient greisen, 70°/80° to core axis, with Mo and WO3
233.6		incipient greisen, 70°/80° to core axis, with Mo and WO3
233.7		incipient greisen, 70°/80° to core axis, with Mo and WO3
233.8		incipient greisen, 70°/80° to core axis, with Mo and WO3
233.9		incipient greisen, 70°/80° to core axis, with Mo and WO3
234		incipient greisen, 70°/80° to core axis, with Mo and WO3
234.1		incipient greisen, 70°/80° to core axis, with Mo and WO3
234.2		incipient greisen, 70°/80° to core axis, with Mo and WO3
234.3		incipient greisen, 70°/80° to core axis, with Mo and WO3
234.4		incipient greisen, 70°/80° to core axis, with Mo and WO3
234.5		incipient greisen, 70°/80° to core axis, with Mo and WO3
234.65	234.8	greisen, 150mm thick, upper contact at 60° to core axis, lower contact at 50°

234.9		incipient greisen at 75° to core axis
235		incipient greisen at 75° to core axis
235.1		incipient greisen at 75° to core axis
235.2		incipient greisen at 75° to core axis
235.3		incipient greisen at 75° to core axis
235.4	235.75	greisen, 350mm thick, irregular contacts
236		incipient greisen, upper contact at moderate angles to core axis, lower contact at high angles
236.1		incipient greisen, upper contact at moderate angles to core axis, lower contact at high angles
236.2		incipient greisen, upper contact at moderate angles to core axis, lower contact at high angles
236.3		incipient greisen, upper contact at moderate angles to core axis, lower contact at high angles
236.4		incipient greisen, upper contact at moderate angles to core axis, lower contact at high angles
236.5		incipient greisen, upper contact at moderate angles to core axis, lower contact at high angles
236.7		incipient greisen, upper contact at moderate angles to core axis, lower contact at high angle
236.8		incipient greisen, upper contact at moderate angles to core axis, lower contact at high angle
236.9		incipient greisen, upper contact at moderate angles to core axis, lower contact at high angles
237		incipient greisen, upper contact at moderate angles to core axis, lower contact at high angles
237.1		incipient greisen, upper contact at moderate angles to core axis, lower contact at high angles
237.2		incipient greisen, upper contact at moderate angles to core axis, lower contact at high angles
237.3		incipient greisen, upper contact at moderate angles to core axis, lower contact at high angles
237.4	237.55	greisen, 150mm thick, upper contact at 50° to core axis, lower contact at 60° , with WO3
237.65		greisen, 30mm thick, upper contact at 60° to core axis, lower contact at 60°, with Mo
237.85	238.5	greisen, 650mm thick, with irregular upper and lower contacts, central light green seam is epidote
238.9	239.05	greisen, 150mm thick, upper contact at 80° to core axis, irregular lower contact
239.15	239.2	greisen, 50mm thick
239.4		incipient greisen at 65° to core axis
239.8	239.9	incipient greisen, irregular upper and lower contacts
240	240.15	greisen, 150mm thick, irregular upper contact, lower contact at 60° to core axis
240.15	247.95	weakly greisenised zone mottled grey and rotten
240.25		incipient greisen
240.35		Incipient greisen at 60° to core axis
240.6	240.65	greisen, 50mm thick
240.7	240.8	greisen, 100mm thick
241.7		incipient greisen
241.8		incipient greisen
242.5	242.55	incipient greisen
242.85		quartz vein 1mm thick

243		quartz vein, 1mm to 2mm thick
243.35	243.4	greisen, 50mm thick, at 75° to core axis
243.6		incipient greisen at 60° to core axis
243.8		incipient greisen at 75° to core axis
243.85	243.95	incipient greisen, irregular upper and lower contacts
244		greisen, 15mm thick, upper contact at 60° to core axis, lower contact at 60°
244.15		greisen, 20mm thick, upper contact at 75° to core axis, lower contact at 75°
244.2	244.25	greisen, 50mm thick, upper contact at 60° to core axis, lower contact at 60°
244.85		greisen, 2mm thick, upper contact at 65° to core axis, lower contact at 65°
244.95		greisen, 15mm thick, at 70° to core axis
245		greisen, 10mm thick, at 70° to core axis
245.25		greisen, 2mm thick, at 70° to core axis
245.5		greisen, 10mm thick, at 75° to core axis
245.7		greisen, 15mm thick, with irregular upper and lower contacts
245.8		greisen, 5mm thick, at 60° to core axis
245.95	246.05	greisen, 50mm thick, upper contact at 70° to core axis, lower contact at 60° , with WO3
246.3		greisen, 2mm thick, at 70° to core axis
246.65		greisen, 15mm thick, upper contact at 70° to core axis, lower contact at 70°
247.95	248.3	greisen, 400mm thick, upper contact at 60° to core axis, lower contact at 70°
248.55		greisen, 15mm thick, upper contact at 75° to core axis, lower contact at 75°
249.7	249.8	greisen, 80mm thick, with irregular upper and lower contacts
250.05	250.1	greisen, 50mm thick, with irregular upper and lower contacts
251		greisen, 15mm thick, at 70° to core axis
251.15		incipient greisen at 70° to core axis
251.2		incipient greisen at 70° to core axis
251.35		quartz vein, 2mm thick at 70° to core axis
251.45		quartz vein, 1mm thick at 70° to core axis
251.5		greisen, 10mm thick, at 75° to core axis
251.6		greisen, 10mm thick, at 75° to core axis
251.75		greisen, 20mm thick, at 70° to core axis
252	252.1	greisen, 100mm thick, upper contact at 60° to core axis, lower contact at 60°
252.1	252.2	greisen, 100mm thick, upper contact at 50° to core axis, lower contact at 70°
252.6	252.7	greisen, 100mm thick, upper contact at 50° to core axis, lower contact at 65°
253		greisen, 15mm thick, upper contact at 75° to core axis, lower contact at 75°
253.1		greisen, 5mm thick, at 75° to core axis
253.45		greisen, 15mm thick, at 75° to core axis

253.5		greisen, 15mm thick, at 75° to core axis
254	254.0	greisen, 15mm thick, upper contact at 75° to core axis, lower contact at 60°
254.35	254.45	greisen, 50mm thick, upper contact at 75° to core axis, lower contact at 70°
254.8		greisen, 100mm thick, at 80° to core axis
255.2		greisen, 15mm thick, at 70° to core axis
255.55		greisen, 15mm thick, at 70° to core axis
255.6		greisen, 5mm thick, upper contact at 70° to core axis, lower contact at 70°
255.85		greisen, 20mm thick, upper contact at 75° to core axis, lower contact at 75°
256.1		greisen, 10mm thick, at 75° to core axis
256.2	256.3	greisen, 100mm thick, upper contact at 70° to core axis, lower contact at 80°
257.85	258	greisen, 150mm thick, irregular upper contact, lower contact at 45° to core axis
258.25		greisen, 20mm thick, upper contact at 75° to core axis, lower contact at 75°
258.65		greisen, 15mm thick, upper contact at 80° to core axis, lower contact at 80°
259.05		greisen, 20mm thick, upper contact at 75° to core axis, lower contact at 75°
259.2		greisen, 20mm thick, upper contact at 75° to core axis, lower contact at 75°
259.3		greisen, 20mm thick, upper contact at 75° to core axis, lower contact at 75°
259.5		incipient greisen at 75° to core axis
259.55		incipient greisen at 75° to core axis
259.85	260.0	greisen, 200mm thick, upper contact at 65° to core axis, lower contact at 75°
260.25	260.45	greisen, 200mm thick, upper contact at 75° to core axis, lower contact at 50°
260.9		incipient greisen at 75° to core axis
260.95		greisen, 15mm thick, at 75° to core axis
261.05	261.5	greisen, 450mm thick, upper contact at 70° to core axis, lower contact at 80°
261.55		greisen, 15mm thick, upper contact at 65° to core axis, lower contact at 65°
261.85		greisen, 50mm thick, at 80° to core axis
261.95	262	greisen, 50mm thick, at 70° to core axis
262.35	262.3	greisen, 150mm thick, upper contact at 70° to core axis, lower contact at 70°
262.35	262.45	greisen, 100mm thick, upper contact at 80° to core axis, lower contact at 80°
262.7		greisen, 40mm thick, at 75° to core axis
262.8		greisen, 20mm thick, at 75° to core axis
262.9		greisen, 30mm thick, at 75° to core axis
263		greisen, 30mm thick, at 75° to core axis
263.2	263.3	greisen, 100mm thick, upper contact at 65° to core axis, lower contact at 70°
263.45	263.6	greisen, 150mm thick, upper contact at 60° to core axis, lower contact at 70°
263.9	263.95	greisen, 40mm thick, upper contact at 60° to core axis, lower contact at 75°
264.05		greisen, 15mm thick, at 75° to core axis

264.2		greisen, 20mm thick, upper contact at 75° to core axis, lower contact at 70°
264.6	264.85	greisen, 250mm thick, upper contact at 75° to core axis, lower contact at 80°
264.9	264.95	greisen, 50mm thick, upper contact at 75° to core axis, lower contact at 65°
265.05	265.1	greisen, 40mm thick, upper contact at 50° to core axis, lower contact at 50°
265.2		greisen, 15mm thick, at 75° to core axis
265.3	265.35	greisen, 50mm thick, upper contact at 70° to core axis, lower contact at 70°
265.85		greisen, 10mm thick, irregular contacts
266.4	266.5	greisen, 100mm thick, upper contact at 80° to core axis, lower contact at 45°, inc. 10mm thick central seam light yellowish green mineral possible spodumene
267		greisen, 20mm thick, upper contact at 80° to core axis, lower contact at 75°
267.35	267.45	greisen, 5mm thick, at 75° to core axis
267.8		greisen, 5mm thick, at 75° to core axis
267.95		greisen, 5mm thick, at 70° to core axis
268.1		greisen, 5mm thick, at 70° to core axis
268.25		greisen, 5mm thick, at 85° to core axis
268.4		greisen, 15mm thick, upper contact at 75° to core axis, lower contact at 75°
268.5	268.6	greisen, 15mm thick, at 75° to core axis
268.75		greisen, 5mm thick, upper contact at 80° to core axis, lower contact at 80°
268.8		greisen, 15mm thick, upper contact at 80° to core axis, lower contact at 75°
268.9		greisen, 25mm thick, at 60° to core axis
269.05		greisen, 25mm thick, at 60° to core axis
269.1		greisen, 15mm thick, at 70° to core axis
269.2		greisen, 5mm thick, at 60° to core axis
269.3		greisen, 5mm thick, at 70° to core axis
269.4		greisen, 5mm thick, at 70° to core axis
269.5	269.6	incipient greisen, upper contact at 60° to core axis, lower contact at 60°
269.75	279.9	greisen, 150mm thick, upper contact at 75° to core axis, lower contact at 45°
269.9	270	greisen, 20mm thick, at 60° to core axis
270.05	270.1	greisen, 70mm thick, upper contact at 70° to core axis, lower contact at 70°
270.2		greisen, 10mm thick, at 70° to core axis
270.35		greisen, 10mm thick, at 70° to core axis
270.45		greisen, 20mm thick, upper contact at 80° to core axis, lower contact at 80°
270.6	270.7	greisen, 150mm thick, upper contact at 65° to core axis, lower contact at 65°
270.9		incipient greisen
271.05	271.1	greisen, 30mm thick, upper contact at 75° to core axis, lower contact at 75°
271.15		greisen, 10mm thick, at 75° to core axis

271.35		greisen, 10mm thick, at 75° to core axis
271.45	271.6	greisen, 150mm thick, upper contact at 60° to core axis, lower contact at 70°
271.7	271.75	greisen, 50mm thick, upper contact at 60° to core axis, lower contact at 60°
271.9		greisen, 10mm thick, at 70° to core axis
272.05	272.1	greisen, 50mm thick, upper contact at 60° to core axis, lower contact at 60°
272.65	272.9	greisen, 250mm thick, upper contact at 65° to core axis, lower contact at 65°
273.15	273.65	greisen, 500mm thick, irregular upper contact, lower contact at 80° to core axis
273.45		greisen, 20mm thick, at 70° to core axis
273.55	273.7	incipient greisen, upper contact at 30° to core axis, lower contact at 65°
273.85	273.9	greisen, 50mm thick, upper contact at 75° to core axis, lower contact at 80°
273.9	274	greisen, 100mm thick, upper contact at 75° to core axis, lower contact at 80°
274.05	274.1	incipient greisen at 75° to core axis
274.3	274.4	greisen, 100mm thick, upper contact at 60° to core axis, lower contact at 75°
274.55	274.6	greisen, 50mm thick, upper contact at 80° to core axis, lower contact at 80°
274.8	274.85	incipient greisen, upper contact at 70° to core axis, lower contact at 80°
274.93	275	greisen, 75mm thick, upper contact at 80° to core axis, lower contact at 80°
275.05	275.1	greisen, 30mm thick, irregular contacts
277.45	277.8	greisen, 350mm thick, upper contact at 35° to core axis, lower contact at 60°
277.85	277.95	greisen, 100mm thick, upper contact at 75° to core axis, lower contact at 80°
278.4		greisen, 30mm thick
278.5		greisen, 30mm thick
278.6	278.7	greisen, 100mm thick, upper contact at 70° to core axis, lower contact at 65°
279	279.5	greisen, 500mm thick, upper contact at 60° to core axis, lower contact at 80°
279.6	279.65	greisen, 70mm thick, upper contact at 70° to core axis, lower contact at 70°
280	280.8	greisen, 800mm thick, upper contact at 75° to core axis, lower contact at 75°
280.85		greisen, 5mm thick, at 65° to core axis
281.05	281.1	greisen, 30mm thick, upper contact at 75° to core axis, lower contact at 75°
281.15	281.2	greisen, 30mm thick, at 70° to core axis
281.3	281.4	greisen, 80mm thick, upper contact at 65° to core axis, lower contact at 65°
281.7		greisen, 5mm thick, at 70° to core axis
281.8	281.9	greisen, 100mm thick, upper contact at 75° to core axis, lower contact at 75°
282.6	282.7	greisen, 100mm thick, with irregular upper and lower contacts
282.7	283	greisen, 250mm thick, upper contact at 70° to core axis, lower contact at 70°
283.3	283.5	greisen, 200mm thick, upper contact at 60° to core axis, lower contact at 60° , with WO ₃ , with central quartz vein
283.75		incipient greisen at 65° to core axis
283.95		quartz vein, 5mm thick at 65° to core axis with Mo and WO ₃

284.3		incipient greisen at 70° to core axis
284.4		quartz vein, 2mm thick at 70° to core axis with Mo and WO3
284.45		greisen, 15mm thick, at 70° to core axis
284.6	284.7	greisen, 175mm thick, upper contact at 75° to core axis, lower contact at 60°, with Mo and
284.95		greisen, 10mm thick, at 65° to core axis
285.075	285.1	greisen, 25mm thick, upper contact at 85° to core axis, lower contact at 70°, with Mo and WO3
285.2	285.35	greisen, 150mm thick, upper contact at 80° to core axis, irregular lower contact
285.6		quartz vein, 2mm thick at 65° to core axis
285.7		incipient greisen, upper contact at 65° to core axis, lower contact at 65°
285.9	286	greisen, 100mm thick, upper contact at 60° to core axis, lower contact at 70°
286.1	286.2	incipient greisen
286.25		quartz vein, 2mm to 5mm thick, at 55° to core axis
286.3	286.35	greisen, 50mm thick
286.625	286.95	greisen, 325mm thick, upper contact at 70° to core axis, lower contact at 60°
286.8	286.95	greisen, 150mm thick, upper contact at 70° to core axis, lower contact at 70°
287.45		quartz vein, 2mm to 5mm thick, at 65° to core axis
287.5		quartz vein, 10mm thick at 70° to core axis with Mo and WO3
288.15		quartz vein, 5mm thick at 50° to core axis
288.3		quartz vein, 2mm thick at 60° to core axis
289.65		quartz vein 2mm thick
289.75	289.9	k-feldspar altered
290.75	290.9	greisen, 150mm thick, upper contact at 45° to core axis, lower contact at 55°, with Mo
291.65	291.75	greisen, 100mm thick, upper contact at 70° to core axis, irregular lower contact
291.9		greisen, 15mm thick, at 65° to core axis
292.3		incipient greisen at 50° to core axis
292.45	292.65	greisen, 200mm thick, upper contact at 60° to core axis, lower contact at 65°, with Mo
292.8	292.9	greisen, 100mm thick, upper contact at 60° to core axis, lower contact at 55°
293		quartz vein, 5mm thick at 55° to core axis
293.9		incipient greisen, upper contact at 60° to core axis, lower contact at 60°
294.3		incipient greisen
295.15	295.8	greisen, 650mm thick, upper contact at 60° to core axis, lower contact at 75°
295.9	295.95	greisen, 50mm thick, upper contact at 40° to core axis, lower contact at 55°, with Mo
296.15		incipient greisen at 65° to core axis
296.225		incipient greisen at 65° to core axis
296.55	297.15	greisen, 600mm thick, upper contact at 60° to core axis, lower contact at 60°, with Mo and WO3
297.6		incipient greisen at 70° to core axis

297.7		incipient greisen at 70° to core axis
298.1	298.275	greisen, 175mm thick, upper contact at 70° to core axis, lower contact at 70°
299.25		quartz vein, 15mm thick at 65° to core axis
299.3	299.45	greisen, 150mm thick, upper contact at 75° to core axis, lower contact at 75°
299.6	299.7	k-feldspar altered
299.9	300.05	greisen, 150mm thick, upper contact at 60° to core axis, lower contact at 60°, with Mo
300.45		greisen, 25mm thick, upper contact at 65° to core axis, lower contact at 65°
300.55		quartz vein, 5mm thick at 70° to core axis
300.7	300.75	greisen, 40mm thick, upper contact at 60° to core axis, lower contact at 60°
301	301.4	greisen, 400mm thick, upper contact at 80° to core axis, lower contact at 70°
301.8	301.9	greisen, 100mm thick, irregular contacts
302.3	302.6	greisen, 300mm thick, upper contact at 70° to core axis, lower contact at 70°
303.75	304.15	greisen, 400mm thick, irregular upper contact, lower contact at 60° to core axis
304.6	304.9	greisen, 300mm thick, irregular upper contact, lower contact at 70° to core axis
306		quartz vein, 2mm to 4mm thick, at 65° to core axis
306.05		quartz vein, 1mm to 2mm thick, at 70° to core axis
306.1	306.2	greisen, 200mm thick, upper contact at 65° to core axis, lower contact at 70°
306.6		incipient greisen at 55° to core axis
307.4	307.45	greisen, 30mm thick, upper contact at 60° to core axis, lower contact at 65°
309.85	310.05	greisen, 200mm thick, upper contact at 45° to core axis, lower contact at 55°
310.1		greisen, 200mm thick, upper contact at 65° to core axis, lower contact at 60°
311.05	311.15	greisen, 100mm thick, at 70° to core axis
311.8	311.85	greisen, 100mm thick, upper contact at 45° to core axis, lower contact at 45°
312.05	312.25	k-feldspar altered
313		quartz vein, 1mm to 2mm thick, at 70° to core axis
313.15		quartz vein, 15mm thick at 70° to core axis
314.4		greisen, 15mm thick, upper contact at 70° to core axis, lower contact at 70°
314.65		quartz vein, 2mm to 4mm thick, at 50° to core axis
314.7		quartz vein, 1mm to 2mm thick, at 70° to core axis
315.9	316	greisen, 100mm thick
316.2	316.35	greisen, 150mm thick, upper contact at 40° to core axis, lower contact at 50°
317.2		quartz vein, 1mm to 2mm thick, at 70° to core axis
317.85		incipient greisen at 75° to core axis
318.05		quartz vein, 1mm to 2mm thick, at 60° to core axis
318.6		quartz vein, 1mm to 2mm thick, at 55° to core axis
319.1		quartz vein, 1mm to 2mm thick, at 70° to core axis

319.25		quartz vein, 1mm to 2mm thick, at 70° to core axis
320.1	320.25	greisen, 150mm thick, upper contact at 80° to core axis, lower contact at 55°
321.15		quartz vein, 2mm to 10mm thick, at 70° to core axis

321.5 End of Hole

Appendix D – Assay Results Tabulated

Sample_id	From	To	Sample_type	Au	Ag	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cs	Cu	Dy	Er	Eu
	<i>metres</i>	<i>metres</i>	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm							
			Assay_code	Au- AA25	ME- MS89L													
			Lower_limit	0.01	5	4	2	0.4	0.1	0.1	0.8	0.2	0.5	0.1	20	0.03	0.02	0.03
			Upper_limit	100	12500	25000	25000	25000	25000	25	25000	25000	25000	25000	25000	25000	25000	25000
41702			OREAS 22D	<0.01	<5	<4	8	<0.4	<0.1	<0.1	<0.8	2.3	0.8	0.2	<20	0.18	0.14	<0.03
41703	163.35	164.15	original	<0.01	<5	<4	156	4.9	4.1	0.5	<0.8	103.5	4.2	14.8	110	8.74	5.27	1.05
41704	164.15	164.24	original	<0.01	<5	<4	52	3.7	1.2	0.8	<0.8	176.5	1.5	6.9	20	18	10.95	0.32
41705	164.24	164.275	original	0.32	<5	9	19	0.8	312	0.9	<0.8	56	2.8	0.9	50	8.74	7.55	0.17
41706	164.275	164.5	original	0.01	<5	6	52	4.7	91.9	0.8	<0.8	120.5	1.7	13.6	30	36.9	22.7	0.18
41715	172.2	173.2	original	0.04	<5	10	37	3.8	299	0.6	<0.8	49.8	1.2	14.9	110	15.7	10.75	0.06
41718	175.2	175.5	original	<0.01	<5	21	27	3.7	29.7	2.2	<0.8	84.7	1.1	8.8	20	40.2	27.2	0.15
41733	189.2	190.05	original	0.03	<5	8	38	4.3	38	0.8	<0.8	55.2	0.8	19.7	110	19.35	14.15	0.07
41739	195.1	195.9	original	0.04	<5	33	30	4.9	103	0.8	<0.8	49.4	1.3	24.8	110	22.4	16.5	0.05
41749	203.75	203.8	original	0.02	<5	5	64	3.5	55.9	0.9	<0.8	79	0.5	7.4	<20	29.6	22.4	0.08
41756	209.85	210.45	original	0.02	<5	13	19	378	57.8	0.7	<0.8	51.4	1.6	20.4	120	21.2	15.55	0.05
41764	217	218	original	0.08	<5	19	28	439	152	0.8	<0.8	63.1	1.3	18.3	40	24	16.75	0.07
41775	228	229	original	0.06	<5	395	38	12	237	1.5	<0.8	39.4	1.6	11.5	110	19.55	14.9	0.06
41779	232	232.85	original	0.03	<5	18	27	4.6	15.9	0.8	<0.8	54.8	1.2	15.9	130	18.25	13.65	0.07
41780	232.97	233.15	original	0.32	<5	127	10	1.7	23.1	0.8	1	110	2.5	2.9	5300	14.55	9.91	0.08
41785	237.15	238.5	original	0.04	<5	134	29	5.3	9.4	0.5	<0.8	52.8	0.7	35.8	20	16.25	11.6	0.06
41797			OREAS 22D	<0.01	<5	<4	8	<0.4	0.2	<0.1	<0.8	2.3	0.8	0.2	<20	0.18	0.09	<0.03
41810	261.05	261.5	original	0.06	<5	18	19	6.2	57.5	0.5	<0.8	41.4	1.9	26.3	200	16.15	11.8	<0.03
41815	265	266	original	0.01	<5	7	23	5.7	13.5	0.5	<0.8	60	0.6	7	20	21	13.9	0.07
41897	162.15	162.165	original	0.2	<5	483	32	3.7	7160	0.4	<0.8	24.5	3.6	7.1	100	8.41	6.13	0.44
41898	140.6	140.64	original	0.02	<5	69	12	1.6	10.7	0.8	<0.8	20.9	2	1.4	<20	1.84	1.4	0.12
41899	84.95	85.1	original	0.02	<5	19	33	2.7	38.4	0.3	<0.8	23	7.1	1.6	120	3.7	2.38	0.39
41900	101.05	101.075	original	0.75	<5	25	57	5.8	4750	0.1	1.1	69.8	13.2	8.1	2780	4.57	2.74	0.58
41916	44.45	44.95	original	<0.01	<5	18	84	32.2	14.4	0.8	1	80.3	15.3	11	120	8.47	4.87	1.56
41917	61.75	62.1	original	0.17	<5	475	152	9.1	600	0.1	0.8	85.1	3.8	11.1	50	9.44	5.93	0.85
41918	48	48.2	original	0.05	<5	39	82	12	25.1	0.6	<0.8	36.1	11.7	20	130	5.46	2.84	0.72
41919	109.05	109.15	original	0.03	<5	16	59	8.2	23.2	0.2	<0.8	456	4.6	9.9	60	10.9	4.04	1.39

41920	34.6	35.1	original	1.23	7	>25000	14	209	25.4	0.2	88.5	24	7.2	7.8	2500	3.86	2.36	0.43
41921	102.6	102.75	original	0.01	<5	55	42	5.7	252	4.2	1.5	290	4.1	6.4	50	56.4	36.1	1.66
41922	102.75	102.9	original	0.03	<5	62	23	4.6	113	0.4	<0.8	166	2.9	4.3	<20	57.6	38	1.29
41926	162.165	163.35	original	<0.01	<5	14	66	5	24.6	0.4	<0.8	87.2	7.1	14.2	130	7.14	4.12	0.93
41935	232.85	232.97	original	<0.01	<5	4	28	2490	14.5	0.6	<0.8	47.9	1.2	36	100	18.25	13.5	0.14
comp1	12	16	composite	0.02	<5	22	39	6.3	92.5	0.1	<0.8	32.5	6.7	3.5	60	4.07	2.35	0.33
comp10	158.05	162.15	composite	0.01	<5	20	140	4.5	4.5	0.3	<0.8	125	7.3	9.6	80	9.36	5.44	1.4
comp11	164.5	168.3	composite	0.02	<5	<4	18	3.3	40.3	0.3	<0.8	55.8	0.9	7.5	20	17.6	13.25	0.12
comp12	168.3	172.2	composite	0.03	<5	4	14	3	21	0.4	<0.8	54.2	1.1	8.8	<20	15.45	10.75	0.09
comp13	173.2	175.2	composite	0.03	<5	<4	20	4.1	18.1	0.5	<0.8	51.7	0.9	10.7	<20	20.6	14.15	0.07
comp14	175.5	180	composite	0.06	<5	6	17	3.2	153	0.5	<0.8	47.4	0.8	9.1	30	18.7	13.3	0.1
comp15	180	184	composite	0.03	<5	34	18	3.1	57.9	0.2	<0.8	58.1	0.9	8.3	50	18.4	14.15	0.11
comp16	184	189.2	composite	0.07	<5	4	29	4.2	34.6	0.5	<0.8	55.3	0.7	11.2	20	20.3	13.9	0.16
comp17	190.05	195.1	composite	0.02	<5	<4	38	4.4	45	0.6	<0.8	45.4	0.8	11.3	20	18.1	12.8	0.1
comp18	195.9	199.6	composite	0.06	<5	5	38	184	54.2	0.7	<0.8	53.9	1	20.3	30	20.3	14.3	0.1
comp19	199.6	203	composite	0.01	<5	5	28	22.1	31.1	0.7	<0.8	51.1	0.7	10.5	60	20.4	14.1	0.11
comp2	16	20	composite	0.02	<5	31	101	8.8	6.8	0.1	0.8	35.9	5.5	8.6	60	6.48	4.5	0.42
comp20	203	205	composite	<0.01	<5	<4	41	4.9	1.5	0.5	<0.8	38.6	<0.5	5.9	<20	15.75	11.15	0.08
comp21	229	232	composite	0.02	<5	23	24	5.1	10.9	0.5	<0.8	45.9	0.9	10.3	40	17.45	12.25	0.08
comp22	233.15	237.15	composite	0.02	<5	4	25	4.8	7.4	0.5	<0.8	52.2	0.6	8.4	30	18.95	13.1	0.09
comp23	261.5	265	composite	0.02	<5	6	22	4.5	48.1	0.5	<0.8	50.3	0.7	12.5	90	18.4	12.5	0.06
comp24	266	270	composite	0.01	<5	<4	20	8.1	7.6	0.5	<0.8	55.1	0.8	5.8	<20	19.55	13.4	0.09
comp25	270	274	composite	0.05	<5	39	29	24.8	54.9	0.4	<0.8	52.5	0.6	14.4	30	18.35	13.9	0.08
comp26	274	277.45	composite	0.03	<5	63	38	5	19.1	0.5	<0.8	35	0.7	15.7	30	30.9	25.9	0.08
comp27	277.45	280.8	composite	0.16	<5	123	27	5.1	54.5	0.5	<0.8	40.4	1	23.9	70	20.8	16.9	0.08
comp28	295.1	297.15	composite	0.11	<5	59	26	3.7	174	0.8	<0.8	55.9	1.3	11.6	80	18.6	12.85	0.07
comp3	20	24	composite	0.02	<5	15	85	7.4	2.1	0.4	2.2	47.1	8.5	10.4	90	4.23	2.57	0.93
comp4	41	44.45	composite	<0.01	<5	44	107	9.5	6.5	0.2	2.1	58.1	11.9	27.3	130	5.29	3.22	1.02
comp5	66	71	composite	<0.01	<5	5	154	36.3	1	0.6	<0.8	29.6	16.2	5.5	150	3.28	2.04	0.38
comp6	71	80	composite	0.01	<5	41	281	6.2	14.1	0.2	<0.8	51.7	13.1	5.8	110	4.46	2.9	0.72
comp7	80	84.95	composite	0.04	<5	25	94	3.8	8.9	0.4	<0.8	38.3	16.7	4.3	300	4.56	2.83	0.59
comp8	85.1	90	composite	0.02	<5	35	134	7.6	15.9	0.2	<0.8	67.9	12.3	6.6	170	4.84	2.93	0.82

comp9	154.05	158.05	composite	0.03	<5	10	58	3.8	28.8	0.4	<0.8	80.6	6.4	11.7	30	5.87	3.39	1.06
-------	--------	--------	-----------	------	----	----	----	-----	------	-----	------	------	-----	------	----	------	------	------

Sample_id	From	To	Sample_type	Fe	Ga	Gd	Ge	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd
-----------	------	----	-------------	----	----	----	----	----	----	---	----	----	----	----	----	----	----	----

	metres	metres	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
			Assay_code	ME-MS89L														
			Lower_limit	0.05	0.5	0.03	0.5	0.01	0.3	0.05	0.08	2	0.05	0.01	10	2	0.8	0.07
			Upper_limit	25	25000	25000	25000	25000	25000	25	25000	25000	25000	30	25000	25000	25000	25000
41702			OREAS 22D	0.43	0.9	0.17	1.2	0.04	<0.3	0.05	1.14	17	<0.05	0.01	90	3	0.9	1.05
41703	163.35	164.15	original	4.55	18.8	8.74	2.7	1.75	<0.3	2.45	39.9	176	0.76	0.28	1580	352	19.6	42.7
41704	164.15	164.24	original	5.24	21.4	17.05	3.4	3.64	<0.3	1.32	66	85	1.5	0.15	1960	2	31.1	77
41705	164.24	164.275	original	5.84	4.2	6.57	5.1	2.01	0.4	0.2	21.4	24	2.3	0.03	5160	9290	487	25.2
41706	164.275	164.5	original	5.26	28.9	29	5.9	8.01	0.3	1.85	43.7	157	3.04	0.11	2110	19	41.3	65.9
41715	172.2	173.2	original	4.62	28.4	9.98	5	3.56	0.4	2.01	19.1	163	1.84	0.05	1710	7	42.9	24.2
41718	175.2	175.5	original	3.51	20.7	25.1	6	8.77	<0.3	1.45	30.7	101	4.46	0.05	1430	138	52.8	47
41733	189.2	190.05	original	3.17	23.6	12.6	4	4.31	0.6	3.21	22.2	149	2.3	0.05	1030	28	33.8	29.8
41739	195.1	195.9	original	3.84	22	13.05	3.7	5.07	0.7	3.09	18.85	191	2.49	0.04	1210	6	40.7	28.3
41749	203.75	203.8	original	1.61	21.5	18.8	3.5	6.82	<0.3	4.9	29.4	40	4	0.02	1170	10200	346	40.7
41756	209.85	210.45	original	5.22	27.1	13.25	11.4	5.07	0.4	2.01	20	201	2.61	0.03	1490	70	42.7	27.2
41764	217	218	original	4	26.7	16.8	7.9	5.39	0.3	2.81	24.5	158	2.76	0.04	1120	41	42.6	35.8
41775	228	229	original	3.42	22.2	11.5	3.7	4.5	<0.3	2.99	14.95	73	2.4	0.13	1810	7	48.3	22.6
41779	232	232.85	original	4.6	24.2	11.6	5.6	4.15	<0.3	2.56	20.9	159	2.38	0.05	1630	60	41.6	27.8
41780	232.97	233.15	original	4.11	6.2	11.1	37.6	3.07	7.1	0.77	41.9	85	1.55	0.02	240	46	3.8	47
41785	237.15	238.5	original	3.27	25.7	10.65	3.9	3.58	0.9	3.56	20.7	250	1.92	0.02	1020	48	34.4	26.8
41797			OREAS 22D	0.42	0.9	0.21	1.9	0.04	<0.3	0.05	1.1	12	<0.05	<0.01	90	3	1.5	0.97
41810	261.05	261.5	original	5.09	28	9.61	9.1	3.61	0.6	3.04	17.7	211	1.95	0.03	1270	10	34.2	22.1
41815	265	266	original	1.63	22.6	14.5	3.9	4.54	<0.3	3.79	23.6	36	2.15	0.03	380	6	41.7	32.2
41897	162.15	162.165	original	24.5	21.9	4.6	1.6	1.91	0.3	1.36	9.46	41	0.96	0.96	14350	>25000	9.1	10.9
41898	140.6	140.64	original	3.54	2.3	1.72	2.2	0.39	<0.3	0.22	8.05	16	0.4	0.1	1560	5780	66.3	8.3
41899	84.95	85.1	original	3.52	6.6	2.94	1.9	0.75	<0.3	0.46	10	63	0.36	0.12	1590	617	25.6	11
41900	101.05	101.075	original	5.74	13.5	4.15	14.2	0.9	3.9	1.23	30.6	116	0.37	0.23	530	1140	6.5	25.6
41916	44.45	44.95	original	18.5	6.5	7.84	1.9	1.77	0.9	1.34	30.7	31	0.72	1.51	17200	6	9.2	31.8
41917	61.75	62.1	original	4.38	15.4	7.22	2.6	1.87	0.3	2.02	38.5	168	1.04	0.37	1880	1375	103.5	34.9

41918	48	48.2	original	4.73	12.2	5.14	2.2	1.03	<0.3	1.65	14.65	199	0.39	0.71	1300	7	4.5	15.55
41919	109.05	109.15	original	5.47	21.4	18.5	3	1.64	<0.3	1.58	160	116	0.49	0.5	2470	3380	11	150
41920	34.6	35.1	original	>25.0	27.9	2.94	0.8	0.87	5	1.21	10.95	81	0.31	1.68	11650	32	5.2	8.98
41921	102.6	102.75	original	3.99	14	36	7.7	11.8	0.4	0.87	89.5	83	5.09	0.37	2600	168	6.5	103
41922	102.75	102.9	original	4.46	10.4	31.4	6	12.15	<0.3	0.62	61.9	52	6.31	0.55	2590	156	5.3	69
41926	162.165	163.35	original	4.6	14	7.16	2.2	1.41	<0.3	1.65	32.4	114	0.58	0.54	1230	173	15.2	35.2
41935	232.85	232.97	original	3.7	28.9	11.7	4.8	4.09	0.4	3.08	18.3	147	2.2	0.08	930	3	38.4	25.3
comp1	12	16	composite	2.21	4.9	3.16	1.2	0.83	<0.3	0.87	14.65	40	0.39	0.13	630	116	6.2	14.2
comp10	158.05	162.15	composite	4.28	12.8	9.88	2.7	1.84	<0.3	1.76	47.8	74	0.71	0.39	5330	76	14.6	49
comp11	164.5	168.3	composite	2.68	23.6	10.95	3.9	4.07	<0.3	1.56	22.4	108	1.98	0.07	890	35	38.8	25.9
comp12	168.3	172.2	composite	2.81	23.5	11.5	3.6	3.28	<0.3	1.56	21.6	108	1.86	0.07	890	9	44.2	28
comp13	173.2	175.2	composite	2.23	22.9	13.4	4.6	4.58	<0.3	1.91	19.9	107	2.15	0.09	630	6	41.4	27.9
comp14	175.5	180	composite	2.97	24	12.45	4.4	4.17	<0.3	1.55	18.65	105	2.04	0.06	1000	29	42.8	25.1
comp15	180	184	composite	2.6	20.5	12.3	3.9	4.23	<0.3	1.52	23.2	86	2.15	0.06	780	42	40.8	29.1
comp16	184	189.2	composite	2.56	24.3	14.85	4.5	4.56	<0.3	3.01	22.5	116	2.27	0.07	850	36	39.3	30.6
comp17	190.05	195.1	composite	2.37	23.5	12.4	3.8	3.96	<0.3	4.18	17.95	80	2	0.04	700	14	40.2	25.6
comp18	195.9	199.6	composite	3.46	27	15.2	5.8	4.58	<0.3	3.8	21.2	126	2.14	0.05	1030	15	36.7	30.7
comp19	199.6	203	composite	2.37	24	14.4	4.4	4.48	0.3	3.73	19.8	89	2.16	0.03	630	5	33.8	28.3
comp2	16	20	composite	2.61	11	4.19	2.3	1.46	<0.3	2.46	18.25	63	0.73	0.19	610	319	18.8	14.75
comp20	203	205	composite	1.13	26.2	11.05	4	3.49	<0.3	5.73	15.35	27	1.72	0.02	240	13	25	22.4
comp21	229	232	composite	3.04	24.5	12.4	5.2	3.96	<0.3	3.15	18.6	83	2.2	0.07	850	59	41.7	26
comp22	233.15	237.15	composite	1.85	22.6	13.05	4.1	4.17	<0.3	3.76	20.9	45	2.09	0.05	400	73	39.9	27.6
comp23	261.5	265	composite	2.33	22.6	13.15	3.9	4.11	0.3	3.8	21.5	82	1.98	0.03	540	30	37.7	27.9
comp24	266	270	composite	1.52	22.8	14.15	3.8	4.18	<0.3	4.06	21.6	27	2.09	0.03	360	12	41.7	29.1
comp25	270	274	composite	2.2	23.9	12.5	4.1	4.2	<0.3	4.07	21.2	75	2.11	0.05	670	54	38.3	27.6
comp26	274	277.45	composite	1.81	27.7	15.3	4.2	7.92	<0.3	5.31	13.5	93	3.08	0.04	410	34	29.3	20
comp27	277.45	280.8	composite	3.33	26.1	12.15	6.2	5.13	0.4	4.02	16.6	180	2.31	0.03	880	38	31.7	23.1
comp28	295.1	297.15	composite	3.63	21	13.6	5.8	4.11	<0.3	2.64	21.8	110	2.01	0.05	930	79	37.6	30.2
comp3	20	24	composite	4.35	6.1	4.62	2	0.85	<0.3	1.16	19.2	55	0.37	0.4	1420	144	7.6	21.5
comp4	41	44.45	composite	8.96	11.4	5.05	2.9	1.07	0.5	2.45	25.1	56	0.44	1.55	3480	5	10.8	23.6

			Assay_code	ME-MS89L														
			Lower_limit	10	0.5	0.03	0.5	0.01	0.3	3	0.04	3	20	0.04	0.01	0.5	0.1	0.005
			Upper_limit	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25
41702			OREAS 22D	<10	0.7	0.24	0.7	<0.01	<0.3	<3	0.21	<3	<20	0.11	0.03	<0.5	0.7	0.021
41703	163.35	164.15	original	20	14.1	11.25	690	0.01	0.7	<3	10.45	38	30	2.45	1.48	<0.5	18.5	0.277
41704	164.15	164.24	original	10	5.9	21	550	<0.01	1.5	<3	19.5	33	20	3.51	2.93	<0.5	57.7	0.124
41705	164.24	164.275	original	10	43.4	6.8	51.6	0.74	3.1	<3	6.92	7	<20	30.4	1.27	9.7	12.5	0.014
41706	164.275	164.5	original	<10	43.7	16.45	731	0.01	1.3	5	24.2	74	20	4.87	5.74	3.3	94.6	0.049
41715	172.2	173.2	original	<10	56.6	6.63	770	0.01	2.8	<3	8.76	66	<20	5.47	2.15	5.2	44.9	0.026
41718	175.2	175.5	original	<10	29.8	11.85	482	0.04	3.9	<3	19.45	58	20	5.56	5.72	1	45.1	0.022
41733	189.2	190.05	original	<10	21.3	7.39	830	<0.01	1.8	5	10.5	55	<20	4.07	2.71	0.9	44.8	0.027
41739	195.1	195.9	original	20	42.9	6.94	961	<0.01	2.2	4	10.65	73	<20	5.8	2.97	<0.5	45.5	0.026
41749	203.75	203.8	original	<10	59.2	10.5	795	0.18	0.5	5	14.9	18	20	14.45	4.17	<0.5	43.2	0.007
41756	209.85	210.45	original	<10	20	7.03	755	0.01	1.9	<3	10.25	65	<20	5.37	2.9	1.7	40.9	0.024
41764	217	218	original	20	67	8.63	792	0.01	2	3	13.1	47	<20	5.24	3.46	1.2	45.7	0.024
41775	228	229	original	<10	207	5.47	823	<0.01	11.9	<3	9.04	20	20	5.24	2.65	1	44.8	0.019
41779	232	232.85	original	<10	21.3	7.38	791	<0.01	2.8	4	9.9	70	20	5.19	2.53	0.5	43	0.023
41780	232.97	233.15	original	10	19.8	13.95	120.5	<0.01	4.8	<3	13.1	20	<20	0.22	2.14	2.2	13.9	<0.005
41785	237.15	238.5	original	<10	16.3	7.03	1215	<0.01	1.4	<3	9.38	97	<20	4.15	2.27	<0.5	41.3	0.023
41797			OREAS 22D	<10	0.7	0.25	1.9	<0.01	<0.3	<3	0.17	<3	<20	0.21	0.03	<0.5	0.7	0.021
41810	261.05	261.5	original	40	25.1	5.59	989	<0.01	4.5	3	8.16	92	<20	4.32	2.06	<0.5	40.5	0.023
41815	265	266	original	<10	24.5	8.14	553	<0.01	0.5	4	11.9	15	<20	5.46	3.07	1.8	47.9	0.029
41897	162.15	162.165	original	10	165	3.13	491	0.01	15.5	9	3.63	15	20	1.46	1.19	15.1	2.3	0.036
41898	140.6	140.64	original	20	2.9	2.46	75.5	0.17	3.2	<3	2.26	7	<20	2.18	0.27	<0.5	2.1	0.034
41899	84.95	85.1	original	10	5	2.81	93.3	0.19	0.6	<3	3.42	15	20	0.97	0.59	1.6	3.1	0.065
41900	101.05	101.075	original	80	350	7.66	323	0.01	9.4	4	6.03	35	20	0.49	0.74	127	10.3	0.209
41916	44.45	44.95	original	30	28.7	8.12	185	<0.01	0.8	<3	7.09	51	20	0.68	1.37	<0.5	11.5	0.267
41917	61.75	62.1	original	20	96.5	10	530	0.11	6.7	4	8.91	69	20	6.32	1.43	10.9	12.4	0.372
41918	48	48.2	original	30	6	3.86	418	<0.01	1.7	<3	3.95	18	<20	0.34	0.89	1.3	5.6	0.145

41919	109.05	109.15	original	30	32.3	48.2	439	<0.01	1	3	36.9	35	30	0.76	2.5	0.7	51.2	0.353
41920	34.6	35.1	original	10	2170	2.5	309	<0.01	125	<3	2.17	18	<20	0.44	0.63	<0.5	3.2	0.135
41921	102.6	102.75	original	30	166.5	31.5	322	<0.01	5.5	<3	35.8	34	40	2.08	8.36	2.7	35.2	0.189
41922	102.75	102.9	original	30	20.9	20.5	239	<0.01	1.4	7	27	22	20	0.29	7.95	2.3	37.6	0.121
41926	162.165	163.35	original	20	10	9.26	412	0.01	1.9	<3	8.43	30	20	1.63	1.18	<0.5	13.4	0.249
41935	232.85	232.97	original	<10	18.4	6.38	855	<0.01	0.5	<3	9.41	53	<20	4.76	2.56	<0.5	36	0.038
comp1	12	16	composite	30	55.5	3.81	163.5	0.01	2.4	<3	3.16	11	<20	0.41	0.59	0.6	4.9	0.139
comp10	158.05	162.15	composite	20	10.4	13.25	349	<0.01	1.9	<3	11.45	40	20	1.9	1.55	<0.5	16.9	0.302
comp11	164.5	168.3	composite	<10	24.9	6.85	456	<0.01	1.4	5	8.39	32	20	5.21	2.36	1.6	49.3	0.028
comp12	168.3	172.2	composite	20	20.9	7	493	<0.01	1.1	3	10.1	31	<20	6.88	2.13	0.6	48.9	0.027
comp13	173.2	175.2	composite	10	19.6	6.66	468	<0.01	1.5	<3	10.05	26	<20	5	2.83	0.5	48.9	0.026
comp14	175.5	180	composite	<10	25.4	6.21	501	0.01	1.7	3	8.95	44	<20	6.25	2.61	4.8	45.7	0.026
comp15	180	184	composite	<10	27.6	7.31	436	<0.01	3.5	4	9.31	37	<20	5.78	2.53	1.6	45.9	0.027
comp16	184	189.2	composite	<10	31.4	7.17	627	0.01	1.3	3	10.55	31	<20	5.44	2.99	0.6	47.2	0.03
comp17	190.05	195.1	composite	<10	27.5	6.08	815	0.01	0.6	3	9.3	45	<20	5.77	2.45	0.7	42.9	0.024
comp18	195.9	199.6	composite	<10	26.8	7.17	929	0.01	0.8	<3	11.7	42	20	5.02	2.95	1.7	41.9	0.026
comp19	199.6	203	composite	<10	31.3	6.53	738	<0.01	0.5	<3	10.75	33	<20	4.97	2.95	<0.5	44.2	0.025
comp2	16	20	composite	40	83.9	4.36	403	0.01	2	<3	4.08	23	<20	1.94	0.9	<0.5	17.5	0.14
comp20	203	205	composite	<10	28.8	5.13	854	<0.01	<0.3	3	7.69	10	20	3.52	2.16	<0.5	38.3	0.02
comp21	229	232	composite	<10	19.8	6.05	705	<0.01	1.5	3	9.5	34	<20	5.82	2.51	<0.5	38.8	0.02
comp22	233.15	237.15	composite	<10	22.4	6.7	682	<0.01	0.7	4	9.48	18	<20	6.07	2.64	<0.5	43.6	0.023
comp23	261.5	265	composite	<10	23.8	6.6	776	<0.01	1.3	<3	9.54	31	<20	5.01	2.56	<0.5	46.7	0.027
comp24	266	270	composite	30	23.4	6.96	612	<0.01	0.3	6	9.87	12	<20	6.06	2.76	<0.5	45	0.028
comp25	270	274	composite	<10	26.1	6.66	779	<0.01	1.2	<3	9.12	27	<20	5.51	2.48	<0.5	46.4	0.028
comp26	274	277.45	composite	10	26.5	4.57	1070	<0.01	1.7	5	8.32	42	<20	4.29	3.84	<0.5	38.8	0.025
comp27	277.45	280.8	composite	<10	31	5.23	1105	<0.01	3.7	3	8.08	81	<20	4.09	2.61	0.5	40.1	0.026
comp28	295.1	297.15	composite	<10	69.7	7.31	651	0.01	4.4	3	10.8	37	<20	4.21	2.7	1.5	43.2	0.031
comp3	20	24	composite	20	109	5.63	231	0.01	1	<3	5.27	106	<20	0.59	0.73	<0.5	6.9	0.176
comp4	41	44.45	composite	30	15.2	6.17	501	<0.01	0.5	<3	5.23	64	20	0.88	0.88	<0.5	9.8	0.312
comp5	66	71	composite	40	4.1	3.38	152.5	0.01	<0.3	<3	2.89	15	<20	0.3	0.54	<0.5	4.2	0.103

			Assay_code	ME-MS89L							
			Lower_limit	0.02	0.01	0.2	1	0.3	0.2	0.02	10
			Upper_limit	25000	25000	25000	25000	25000	25000	25000	25000
41702			OREAS 22D	<0.02	0.02	0.2	4	<0.3	1.1	0.13	10
41703	163.35	164.15	original	2.96	0.78	5.8	48	828	46.9	5.27	50
41704	164.15	164.24	original	2.4	1.59	20	15	46.6	100.5	10.4	60
41705	164.24	164.275	original	0.67	1.5	9.2	4	>25000	44.6	14.25	110
41706	164.275	164.5	original	3.27	3.35	40.2	4	693	215	21.3	80
41715	172.2	173.2	original	3.59	1.8	24.1	1	168.5	115.5	12.05	120
41718	175.2	175.5	original	2.47	4.31	92.8	1	2380	264	30.2	80
41733	189.2	190.05	original	3.89	2.15	25	1	90.2	137.5	14.95	90
41739	195.1	195.9	original	4.54	2.54	49	1	65.6	164.5	17.4	90
41749	203.75	203.8	original	3.65	3.72	29.6	1	11950	206	26	10
41756	209.85	210.45	original	3.5	2.6	36.2	1	197	154	17.3	80
41764	217	218	original	3.54	2.66	22.1	1	122	171.5	18.3	50
41775	228	229	original	3.95	2.4	34.8	2	33.6	140	16.75	20
41779	232	232.85	original	3.55	2.26	31.5	2	129	133.5	16.15	100
41780	232.97	233.15	original	0.7	1.6	13.4	2	14.1	85.2	10.65	220
41785	237.15	238.5	original	5.83	1.9	32	2	93.7	109	12.85	70
41797			OREAS 22D	<0.02	0.01	0.2	4	1.1	1.1	0.12	10
41810	261.05	261.5	original	4.7	2.03	39.8	2	36.4	115.5	13.2	80
41815	265	266	original	2.43	2.15	25	2	25.3	138.5	14.75	10
41897	162.15	162.165	original	2.33	0.94	5.7	16	46.4	67.4	6.61	80
41898	140.6	140.64	original	0.86	0.28	0.4	7	10450	7.4	2.43	20
41899	84.95	85.1	original	0.47	0.37	1.3	15	10700	16.4	2.61	30
41900	101.05	101.075	original	2.05	0.44	1.6	37	51.6	23	2.58	180
41916	44.45	44.95	original	2.17	0.7	3.3	47	42.9	50.1	4.51	880
41917	61.75	62.1	original	2.51	0.99	3.4	55	6980	40.1	7.13	170
41918	48	48.2	original	2.69	0.4	1.1	32	22.9	27	2.86	60

41919	109.05	109.15	original	2.11	0.55	5.1	59	85.3	28.1	3.48	70
41920	34.6	35.1	original	3.69	0.37	1	23	51.7	26.1	2.51	12450
41921	102.6	102.75	original	1.62	5.79	2.5	28	67.3	271	38	310
41922	102.75	102.9	original	1.26	6.31	4.1	20	43.9	259	45.1	60
41926	162.165	163.35	original	2.27	0.59	4.7	46	44.7	37.6	3.95	50
41935	232.85	232.97	original	3.66	2.16	29	6	21.1	130	14.8	40
comp1	12	16	composite	0.95	0.37	1.8	24	285	18.1	2.52	130
comp10	158.05	162.15	composite	1.88	0.77	3.9	54	199	48.1	5.31	70
comp11	164.5	168.3	composite	1.88	1.99	22.8	3	166	126.5	13.45	20
comp12	168.3	172.2	composite	2	1.73	20.9	2	81.7	101	12.05	20
comp13	173.2	175.2	composite	1.97	2.2	21.5	1	118	136.5	15.1	20
comp14	175.5	180	composite	2.14	2.08	32.2	2	614	130	14	20
comp15	180	184	composite	1.94	2.12	38.7	2	107	134.5	14.65	80
comp16	184	189.2	composite	2.67	2.24	26.6	2	175	138	14.35	30
comp17	190.05	195.1	composite	3.43	1.99	25.4	2	345	121	13.25	30
comp18	195.9	199.6	composite	3.69	2.16	18.2	2	177.5	137.5	14.45	40
comp19	199.6	203	composite	2.95	2.17	25.1	2	62	135.5	14.3	40
comp2	16	20	composite	2.19	0.73	6.3	29	494	38.8	4.79	220
comp20	203	205	composite	3.55	1.74	18.6	2	23.8	106	11.9	10
comp21	229	232	composite	2.87	1.97	28.5	2	150	121	14.25	30
comp22	233.15	237.15	composite	2.62	2.06	28.1	2	125	128	14.25	20
comp23	261.5	265	composite	3.31	1.98	25	2	111	124	13.15	30
comp24	266	270	composite	2.38	1.98	26.9	3	159.5	128	13.75	10
comp25	270	274	composite	3.3	2.1	21.9	2	129	128.5	14.1	20
comp26	274	277.45	composite	4.76	3.59	26.8	2	53.7	282	21.1	70
comp27	277.45	280.8	composite	4.77	2.42	23.4	3	82.8	178.5	16.05	70
comp28	295.1	297.15	composite	2.72	2.03	25.7	3	181.5	124.5	13.7	40
comp3	20	24	composite	1.68	0.39	2.1	29	330	22.9	2.58	490
comp4	41	44.45	composite	5.11	0.48	2.1	57	36.3	29.7	3.04	990
comp5	66	71	composite	0.85	0.3	0.9	21	112	20	1.92	30

comp6	71	80	composite	1.27	0.43	2.1	38	55.6	23.7	2.83	60
comp7	80	84.95	composite	0.88	0.38	2	27	150	26	2.77	100
comp8	85.1	90	composite	1.57	0.43	2.7	50	32.2	25.9	2.9	30
comp9	154.05	158.05	composite	1.14	0.46	1.6	44	20.1	29.7	2.85	40

