



Diversified Minerals Pty. Ltd. Henty Gold
Mine ABN 61 005 674 073 Postal
Address: PO Box 231 Queenstown TAS
7467 Site Office: Howards Road
Queenstown TAS 7467 Phone: (03) 6473
2444 Facsimile: (03) 6473 1857

Diversified Minerals Pty. Ltd.

EL8/2009

DDH MXUD04

Drilling Report

September 2020

Held by: Unity Mining Limited

Manager & Operator: Diversified Minerals Pty Ltd

Author: Mike Blake

Date: September 2020

Map Sheets: Tasmania 1:25,000 Series Selina
(3836)
Tasmania 1:100,000 Series
Sophia (8014)

Geographic Co-ord (GDA94): Min East: 380,900m
Max East: 387,100m
Min North: 5,362,900m
Max North: 5,376,100m

Commodity(s): Base metals, gold, silver

Contents

List of files	3
INTRODUCTION.....	4
Location & Access	4
Drillhole Details.....	7
RESULTS	8
CONCLUSIONS.....	9
Rehabilitation.....	9

List of Figures

Figure 1: EL8/2009 Tullah location map	5
Figure 2. MXUD04 Geological and Structural Setting	6
Figure 4. DDH MXUD04 drill location.....	7
Figure 5. Moxon Saddle DDHMXUD04 (shown in red)	8
Figure 6. Moxon Saddle DDHMXUD04 drillsite after demobilization and cleanup	9
Figure 7. DDH MXUD04 looking north	10
.....	10

List of files

EL8_2009_MXUD04_REPORT.pdf

EL8_2009_MXUD04_COLLAR.xls

EL8_2009_MXUD04_SURVEY.xls

EL8_2009_MXUD04_GEOCHEM.xls

EL8_2009_MXUD04_Log.pdf

EL8_2009_MXUD04_Section.pdf

EL8_2009_2019_08_FILELISTING.xls

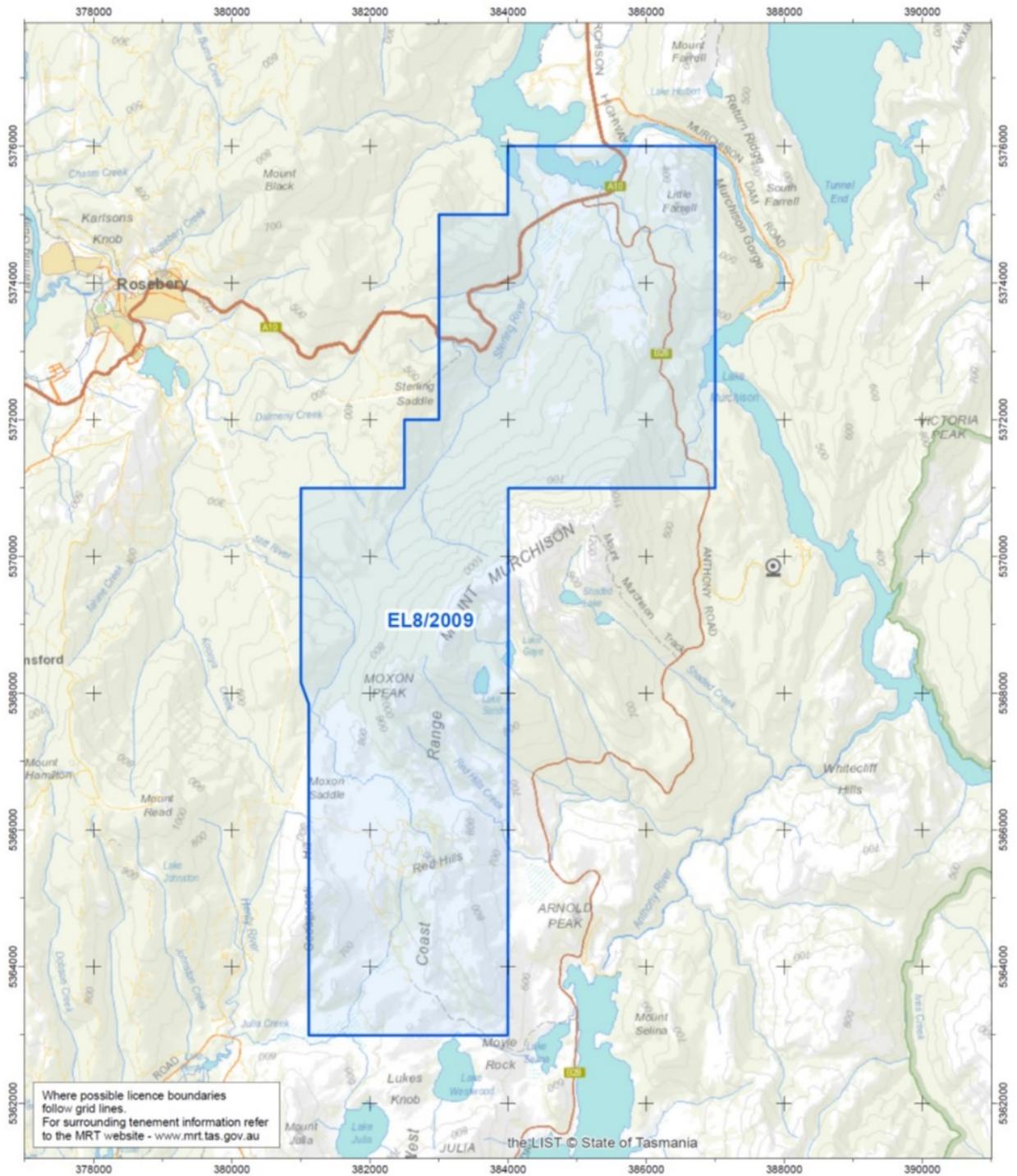
INTRODUCTION

This report is an account of DDH MXUD04, a helicopter supported diamond drill hole on Tenement EL 08/2009 (Red Hills) during the tenement year November 2019 – November 2020.

Location & Access

EL 8/2009 Red Hills is centred approximately 25 km north of Queenstown in western Tasmania. The western boundary of the EL abuts UML's Henty Gold Mine Lease 7M-1991 (Figure 1).

Access to the EL 8/2009 area from the south is via the Anthony Road (B28), the unsealed Howards Road to the Henty mine site, then by mine service road and formed 4WD tracks. The main 4WD track from the Henty mine crosses from the west over Moxon Saddle into the central section of the EL. The northern part of the EL is accessed by 4WD tracks from the Murchison Highway (A10), between Tullah and Rosebery and from the northern section of the Anthony Rd.



EL8/2009 43km²
Vicinity of Red Hills



1:75,000

Coordinate Datum - GDA94 MGA Zone 55



Base image by TASMAPP
(www.tasmap.tas.gov.au)
© State of Tasmania

Figure 1: EL8/2009 Tullah location map

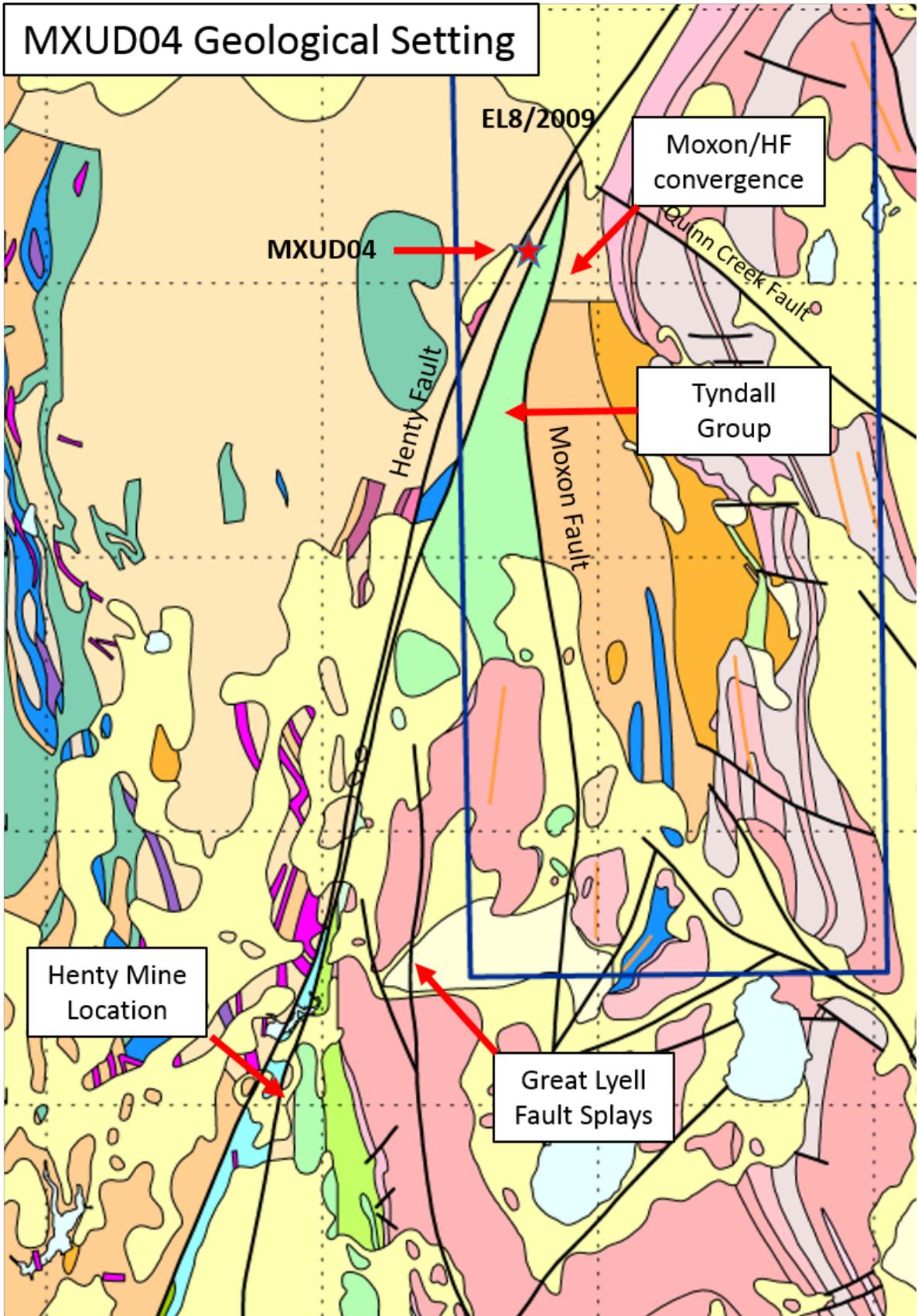


Figure 2. MXUD04 Geological and Structural Setting

Drillhole Details

DDH MXUD04 is located in the south western corner of EL 8/2009, adjacent to the Stitt River, opposite the western flank of Mt Moxon. The location is only accessible on foot, so the drilling program was helicopter supported. Access to the drill site was via a 30m drive from the Henty Mine site along the Red Hills and powerline track, and 30 minute walk in along cut lines and old tramway formation.

The target for MXUD04 was henty style mineralization in a potential structural shear corridor in Tyndall Group lithologies, near the convergence of the Henty and Moxon Faults.

MXUD04 was successful for 70k of funding from round 2 of the Tasmanian Government's Exploration Drilling Grant Initiative (EDGI).

The drilling contract was awarded to Delta Drilling Pty. Ltd., and was drilled with a Helicopter portable Longyear 44 rig, which was transported by Tasmanian Helicopters Pty. Ltd.

DDH Collar Location and Orientation (GDA94)						
ID	Easting*	Northing*	RL (m AHD)	Azimuth (deg.)*	Dip (deg.)	Depth (m)
MXUD04	381484	5368259	624	106	-57	422

*Positions 2 metre accuracy with GPS pickup. Azimuth is magnetic.

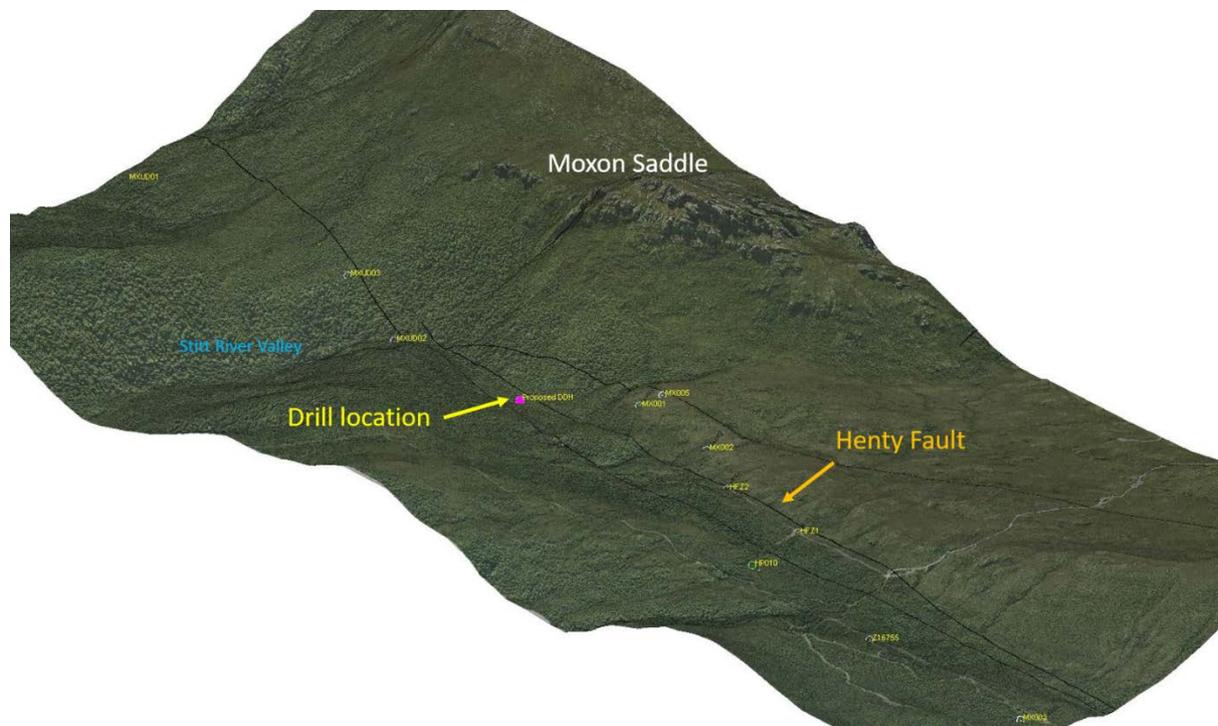


Figure 4. DDH MXUD04 drill location.

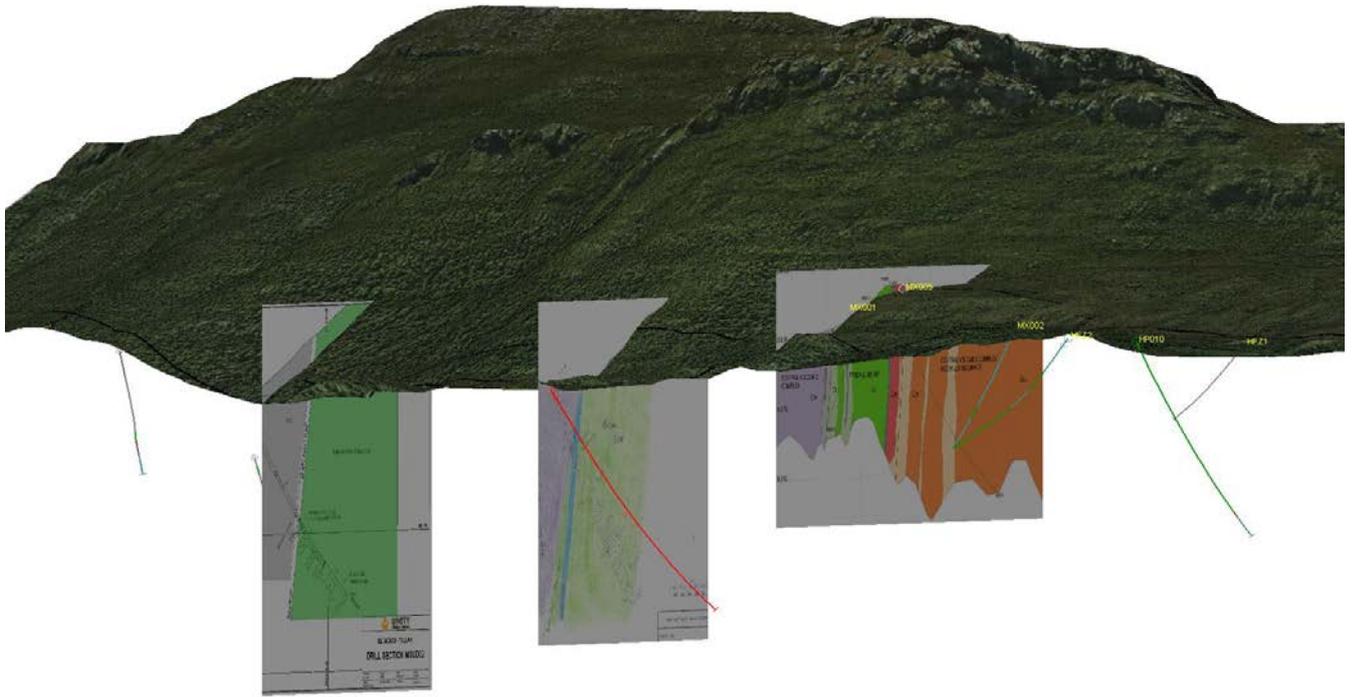


Figure 5. Moxon Saddle DDHMXUD04 (shown in red)

RESULTS

Visual indications highlighted an area of weathering and vugging near surface, and shearing with trace base metals in black shale adjacent to the Henty Fault. Analytical results show an area of elevated Au near surface, and trace base metals in the black shale with no associated gold detected.

The drill hole was extended beyond the Henty Fault target to determine the nature and any associated mineralization at the Tyndall/CVC contact delineated by the Moxon Fault to the East. Unfortunately the drilling was stopped short of the secondary target in Tyndall Group rhyolitic volcanoclastics due to ground conditions and budget constraints.

Results summary:

- No Significant Au overall (max 0.05ppm)
- Elevated trace Au, base metals and Bi proximal to fault zone at 28.8-30.8m
- Elevated Trace Au, base metals Bi, and As in black shales adjacent to Henty Fault

REHABILITATION

The drill site for MXUD04 is located in *Athrotaxis selaginoides* rainforest and will be left to rehabilitate naturally. Clearing for the drillsite was kept to a minimum, and use of drilling fluids was avoided. Drill cuttings filtered naturally through litter in the drill sump located in a natural depression, and did not create significant accumulations.

At the conclusion of drilling, a weak artesian flow that was encountered at 237.6 metres was sealed by placement of a NQ Van Ruth Sub Set Grout Packer at 227m with a 10m cement cap. A further HQ Van Ruth Packer was placed at 57 m. The drill collar was secured with HWT Casing, and cemented to a depth of 9m below the collar.

All foreign materials were removed from the site at the end of the program.



Figure 6. Moxon Saddle DDHMXUD04 drillsite after demobilization and cleanup

CONCLUSIONS

Although DDH MXUD04 was not successful in identifying significant Au mineralisation, it does indicate a convergence of stratigraphy with the Henty Fault, which is also a feature in the Henty Mine vicinity. This can be inferred by the presence of black shale adjacent to the Henty Fault, which is intersected in DDH MX001, 400m to the south. This is significant for exploration interpretations of where prospective lithologies may be in contact with the Henty Fault.

Figure 7. DDH MXUD04 looking north

