# PEGASUS GOLD AUSTRALIA PTY LTD

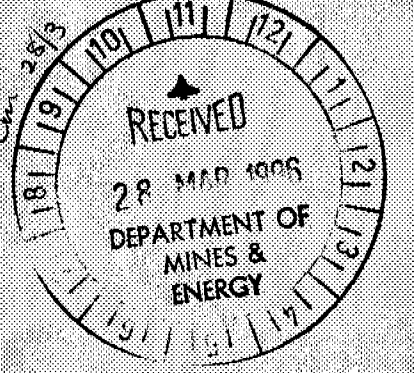
# EL 7635 HORSESHOE

## MOUNT TODD DISTRICT, NT

## ANNUAL REPORT FOR EXPLORATION YEAR ENDING 25 FEBRUARY 1996








Distribution:

| | |
|---|---|
| NTDME | x 1 |
| Pegasus Mt Todd | x 1 |
| Pegasus Perth | x 1 |

Author: Nick Burn
Date: March 1996
Ref. No.: 0396.056

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# FIGURES



# APPENDICES

## 1. INTRODUCTION

Exploration Licence 7635 - Horseshoe was granted to Zapopan NL (now Pegasus Gold Australia Pty Ltd) on 26 February, 1992 for a term of four (4) years. The licence originally covered an area of approximately 10 square kilometres, comprising 3 graticular blocks. During February, 1994 one block was relinquished and current area is now approximately 6.6 square kilometres (*Figure 1*).

This report summarises previous exploration activity and details work completed during Year 4 of EL 7635.

## 2. LOCATION AND ACCESS

EL 7635 is located about 55km north of Katherine and some 10km northeast of the Mt Todd Gold Mine. Access to EL 7635 is by way of the Stuart Highway, then east along the Edith Falls Road, and north along Mt Todd Mine access roads and exploration tracks. The licence is situated immediately north of the historic Horseshoe tin workings.

Topography within EL 7635 is mostly gently undulating, and the country is lightly timbered. Numerous small creeks and drainages are present including Driffield Creek which traverses the licence.

## 3. GEOLOGICAL SETTING

EL 7635 is located within the southeastern portion of the Early Proterozoic Pine Creek Geosyncline. Meta-sediments, granitoids, basic intrusives, acid and intermediate volcanic rocks occur within this geological province (*Figure 2*).

Within the Mt Todd district, the oldest outcropping rocks are assigned to the Burrell Creek Formation. These rocks consist primarily of interbedded greywackes, siltstones, and shales of turbidite affinity, which are interdispersed with minor volcanics.

Rocks of the Burrell Creek Formation have been folded about northerly trending F1 fold axes. The folds are open to closed style and have moderately westerly dipping axial planes with some rocks being overturned. A later north-south compression event resulted in east-west trending open style upright D2 folds.

Locally, EL7635 is comprised predominantly of interbedded red-brown siltstone and fine to coarse grained greywacke, with lesser thin mudstone units. The bedding of this sedimentary sequence generally strikes north-south and is broadly folded on north-northeast and north-northwest orientations. Most commonly bedding dips to the west in the range of 50° - 80°.

Prominent zones of sheeted / anastomosing and lode style quartz veins hosted mainly by greywacke are present within EL 7635, these areas forming low silicified ridges. The vein sets strike in an arc from northwest to northeast and dip at steep angles. These veins have been found to be auriferous in part.

170000mE

180000mE

190000mE

200000mE

14° 00'

14° 05'

8450000mN

8440000mN

132° 00'

132° 05'

132° 10'

STUART

Fergusson River

HIGHWAY

Edith River

NITMILUK NATIONAL PARK

BLACK MOUNTAIN
EL 6800
EL 6800
EL 7942
EL 7756
EL7941
CENTRAL
DRIFFIELD MINING CENTRE
EL 7756
EL 7635
GOLD TREND
GOLD TREND

WOOLGNI

EL 7989
Yinberrie Hill
EL 6037
ANOMALY 1
ALFRED
EL 7745
ERL 119
EL 7519
HORSESHOE
QUIGLEYS
MLN 1070
Mt. Todd
DICK
GRAYSON
BATMAN
MLN 1071
MLN 1127
EL 7227
EDITH RIVER

Prospect Location

EL 7304 Exploration Licence

ERL 119 Exploration Retention Licence

MLN 1127 Mineral Lease

Mineral Claim

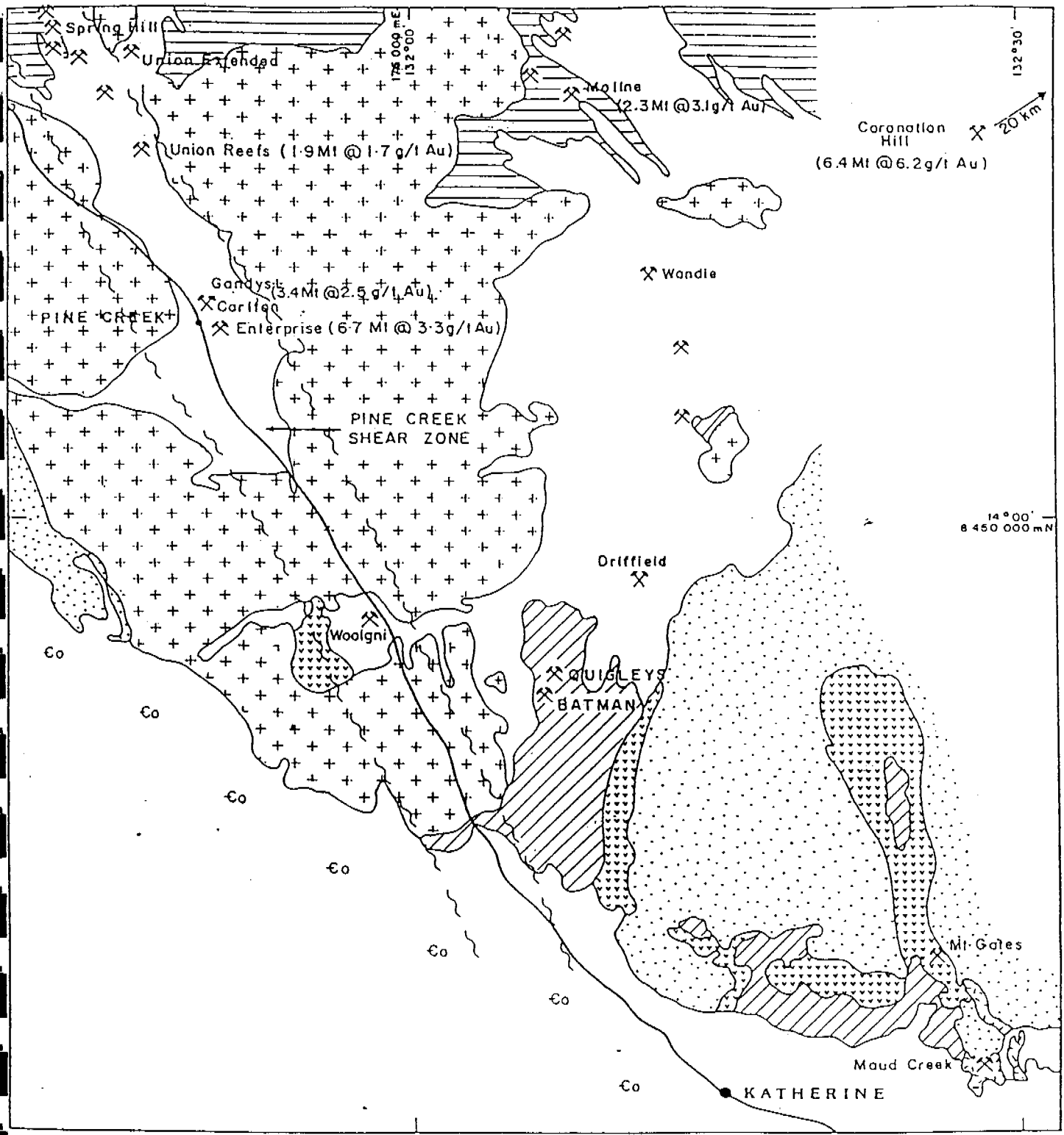
Z Zapopan NL

# Zapopan N.L.

MT TODD PROJECT

TENEMENT LOCATION

| | |
|---|---|
| SCALE: 1:100.000 | |
| PREPARED BY R.P. | DATE |
| DRAWN BY C.S.D.S. | DRAWING NO FIG. 1 |




Co Palaeozoic

Middle Proterozoic

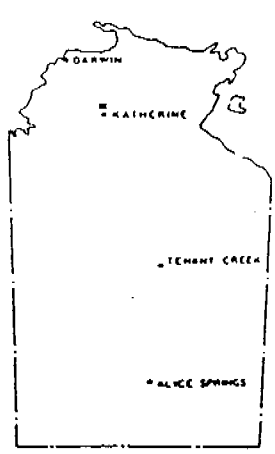
EARLY PROTEROZOIC

- Cullen Batholith
- Edith River Group (including Plum Tree Ck. volc.)
- El Sherana Group
- Burrell Creek Formation
- Pre Burrell Creek Formation

Dolerite

Gold mineralization

LOCATION PLAN




0 20 km

ZAPOPAN NL

Project: MOUNT TODD

Title: MOUNT TODD REGIONAL GEOLOGICAL SETTING

| | | | |
|---|---|---|---|
| Author FF | Date 5-88 | Scale 1:500 000 | |
| Drawn I.R.B. | Office Cns | Revised | Date 4/90 |
| Drawing No. | | | Fig. No. 2 |

# 4. EXPLORATION HISTORY

## 4.1 Previous Exploration

Previously exploration within the area covered by EL 7635 was initially undertaken by Billiton Australia Gold Pty Ltd. This company carried out the following work:

- stream sediment sampling
- detailed grid based soil sampling
- griding and surveying
- rock chip sampling
- geologic mapping
- costeaning
- RAB drilling
- RC percussion drilling
- airborne magnetic survey

This work delineated 2 significant gold prospects; the Central prospect at the northern end of the EL and the Horseshoe prospect at the southern extremity. RAB drilling at Central returned a best gold intercept of 0.8 g/t, whilst at Horseshoe RC drilling returned best intercepts of 9m @ 4.1 g/t and 15m @ 1.8 g/t.

## 4.2 Year One

Pegasus began exploration at EL 7635 during 1992 / 1993 and for the first year of the licence, the following work was completed:

- expansion of existing grids
- additional geologic mapping
- BLEG soil sampling
- rock chip sampling

This work was directed at the northern portion of the licence and confirmed the prospectivity of the Central prospect.

## 4.3 Year Two

Year Two exploration comprised:

- grid refurbishment
- soil sampling at Central prospect
- rock ship sampling at Central prospect
- RAB drilling at Central prospect

This drilling program failed to define zones of significant gold mineralisation despite some favourable surface geochemical results.

## 4.4 Year Three

Exploration undertaken by Pegasus during the third year (ending 25 February 1995) of EL 7635 is detailed below:

- Horseshoe prospect grid re-establishment
- geologic mapping and structural interpretation of the Horseshoe prospect area
- RAB drilling at the Horseshoe prospect on sections 200m apart and hole spacing of 25m. Samples were composited over 3m and assayed for gold only. A total of 75 holes were drilled for 1187m.

Geological mapping was undertaken at 1:2000 scale over the area surrounding the Horseshoe prospect.

The Horseshoe prospect lies on the west-dipping eastern limb of the Mt Todd Syncline (F1). Second deformation folding (F2) about east-west axial planes is apparent and Horseshoe occurs around the hinge of one such open F2 syncline (*Figure 3*).

Mineralisation is associated with a series of massive quartz-gossan veins which are preferentially developed within massive greywacke sandstone. These veins or lodes are up to 200cm thick but generally in the range of 10-30cm. The veins strike north to northeast and dip steeply to the east. The vein sets occupy an area up to 200-300m wide and over 1000m along strike, however individual lodes are mostly isolated with little stockwork development between them.

Previous exploration at Horseshoe has produced encouraging results including anomalous surface geochemistry and significant RC drill intercepts (ie. 15m @ 1.82, 9m @ 4.07 g/t Au). Favourable geology is accompanied by zones of substantial quartz - gossan veining.

RAB drilling was carried out during Year 3 to evaluate the potential of areas containing anomalous surface geochemistry. Drilling was undertaken along 6 cross-sections or traverses.

Gold results from this work were somewhat disappointing and only 5 drillholes returned 3m composite assays grading greater than 0.50 g/t Au. These results tend to suggest that the Horseshoe prospect has little potential to host a major stockwork-type gold deposit similar to those seen at Mt Todd Mine to the south. However, some potential for narrow high grade lodes remain.

A summary of significant RAB intercepts is tabled below.

| Hole # | COORDINATES mN | mE | DIP / Az | DEPTH m | WIDTH m | GRADE g/t Au |
|---|---|---|---|---|---|---|
| HRB 025 | 14 600 | 12 125 | -60° / 270° | 0 - 3 | 3 | 0.89 |
| HRB 052 | 15 000 | 12 600 | -60° / 270° | 0 - 3 | 3 | 1.45 |
| HRB 054 | 15 200 | 12 175 | -60° / 270° | 9 - 12 | 3 | 1.06 |
| HRB 058 | 15 200 | 12 275 | -60° / 270° | 12 - 15 | 3 | 1.40 |
| HRB 077 | 15 200 | 12 750 | -60° / 270° | 15 - 18* | 3 | 3.67 |

* : denotes end of hole

## 5. YEAR 4 PROGRAMME AND RESULTS

Exploration undertaken by Pegasus during the fourth year of EL 7635 is detailed below:

- grid refurbishment
- acquisition of airborne geophysics
- RC drilling at the Horseshoe prospect to test RAB drill anomalies. A total of 8 holes for 460m were completed with samples composited over 3m and assayed for Au, Cu, Pb, Zn, As and Ni

8441000 AMG

191000 AMG

12000 E

12500 E

13000 E

1.52 0.20 0.44 1.10 3.63 7.05 12.9 12.4 4.82 16.2 | 19.1 13.4 4.13 1.62 0.92 1.68 1.37 1.10 1.15 4.06 3.41 — 15500N

2.55 0.77 2.72 4.86 4.50 2.52 14.1 19.4 10.1 | 8.92 7.53 2.05 1.01 1.29 0.40 4.07 7.20 3.90 22.0 17.00

1.58 1.93 11.7 6.96 9.50 8.89 4.89 12.2 4.61 56.0 | 9.99 16.8 9.96 6.30 4.41 5.51 8.54 12.7 3.65 4.18

12ppb

2.55 3.74 1.50 11.3 19.8 11.2 6.63 3.18 96.0 52.0 | 26.0 13.6 8.71 11.5 24.0 23.0 21.0 17.7 9.75 5.81 4.37

8440000 AMG

0.51 0.36 0.57 1.08 1.49 1.91 5.24 13.5 14.0 12.4 | 6.46 14.0 68.0 30.0 12.7 6.24 1.89 1.20 0.44 0.75

12 ppb

0.29 0.63 2.61 2.12 1.56 1.94 8.58 14.3 16.4 | 28.0 16.8 3.23 3.69 3.24 12.1 5.52 1.49 1.14 0.44 0.42 — 15000N

4.52 3.90 14.4 12.9 2.39 3.29 2.36 7.65 23.0 11.7 9.54 | 24.0 8.84 1.59 2.31 1.97 3.99 5.87 4.16 1.63 1.76

1.04 2.63 4.43 2.75 11.4 12.6 6.30 152.0 2.48 2.42 | 2.16 1.64 1.33 1.53 2.22 5.00 1.85 2.13 1.71 1.68 1.50

12 ppb

4.07 6.30 9.21 7.50 7.79 15.5 14.9 12.7 4.11 3.56 0.87 | 0.77 0.92 0.42 0.09 0.24 0.30 1.37 6.48 2.98 1.32

4.88 7.65 11.8 9.90 22.0 16.7 9.72 4.13 2.10 0.58 | 0.68 1.55 0.53 0.48 0.17 0.51 1.31 1.02 1.10 0.90 0.53

26.0 27.0 9.45 5.87 4.92 4.02 3.02 3.98 1.38 | 1.10 0.62 0.81 0.51 2.70 0.92 0.90 1.43 0.92 0.71 0.75

35.0 29.0 28.0 6.87 5.08 7.55 6.23 4.38 5.00 1.08 | 1.22 0.80 1.02 0.81 1.43 1.80 0.80 1.38 1.13 1.05 — 14500N

# ZAPOPAN NL

## EL 7635

HORSESHOE PROSPECT
SOIL GEOCHEMISTRY
GOLD IN PPB

SCALE 1:5000

FIG. 4A

191000mE

132°08·5'

192000mE

14°03'

TENEMENT BOUNDARY

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <0·1 | <0·1 | <0·1 | 12·0 | <0·1 | 13·1 | <0·1 | 24·5 | <0·1 | 4·2 | 2·2 | 1·1 | 2·6 | 1·6 | 2·3 | 1·4 | 19900N |
| HS062 | 061 | 060 | 059 | 058 | 057 | 056 | 055 | 063 | 064 | 065 | 066 | 067 | 068 | 069 | HS070 | |
| <0·1 | 0·6 | 0·3 | 0·6 | 0·4 | <0·1 | 0·4 | 0·6 | 0·2 | <0·1 | 2·5 | 7·3 | 1·8 | 2·2 | 1·5 | 1·6 | 19800N |
| HS046 | 045 | 044 | 043 | 042 | 041 | 040 | 039 | 047 | 048 | 049 | 050 | 051 | 052 | 053 | HS054 | |
| 0·3 | 0·8 | 0·1 | 0·5 | 0·2 | 0·6 | 2·3 | 0·9 | 0·4 | 0·7 | 0·8 | 3·8 | 2·1 | 2·7 | 2·2 | 2·3 | 19700N |
| HS030 | 029 | 028 | 027 | 026 | 025 | 024 | 023 | 031 | 032 | 033 | 034 | 035 | 036 | 037 | HS038 | |
| 1·2 | 1·4 | 1·2 | 2·3 | 0·8 | 0·7 | 2·4 | | 0·7 | 2·6 | 19·8 | 5·9 | 1·7 | 2·8 | 2·6 | 5·7 | 2·3 | 2·9 | 2·7 | 3·3 | 3·3 | 3·2 | 19600N |
| HS008 | 007 | 006 | 005 | 004 | 003 | 002 | 001 | 009 | 010 | 011 | 012 | 013 | 014 | 015 | 016 | 017 | 018 | 019 | 020 | 021 | HS022 | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7.8 | 2.5 | 1.0/0.9 | 3.1 | 75.3 | 1.2 | 3.2 | 23.8 | 2.1 | 5.9 | 19500 N |
| 246669 | 246670 | 246671 | 246672 | 246673 | 246674 | 246675 | 246676 | 246677 | 246678 | |
| 18.7 | 5.3 | 3.0 | 1.3 | 20.2 | 0.5 | 0.3 | 2.9 | 0.5 | 0.9 | 19400N |
| 002167 | 002166 | 002165 | 002164 | 002163 | 002162 | 002161 | 002160 | 002159 | 002158 | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5·4 | 0·2 | <0·1 | 0·1 | 0·1 | 0·6 | 0·4 | 17·6 | 28·0 | 42·0 | 2·2 | 0·8 | 1·8 | 1·4 | 1·7 | 2·5 | 1·4 | 3·0 | 2·5 | 1·6 | 0·9 | 1·1 | 0·5 |
| HS077 | 076 | 075 | 074 | 073 | 072 | HS071 | 7.4 | 21.5 | 11.4 | 105·3 | 5.2 | 3.4 | 0.7 | 1.3 | 1.4 | 2.1 | 9300N | HS078 | 079 | 080 | 081 | 082 | 083 | 084 | 085 | 086 | 087 | HS088 |
| | | | | | | | 002168 | 25.8 | 002171 | 002172 | 002173 | 002174 | 002175 | 002176 | 002177 | 002178 | | | | | | | | | | | | |
| | | | | | | | HS097 | 002169 002170 096 | 095 | 094 | HS093 | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.1 | 13.9 | 10.5 | 3.9 | 6.7 | 2.3 | 2.4 | 2.5 | 2.6 | 2.6 | 19200N |
| 002179 | 002180 | 002181 | 7.2 | 002183 | 002184 | 002185 | 002186 | 002187 | 002186 | |
| | | | 002182 | | | | | | | |
| | | | HS090 | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 2.0 | 1.3 | 4.8 1.5 | 35.2 | 3.6 | 30.5 | 16.8 | 22.8 | 2.9 | 2.2 | 19100N |
| 002189 | 002190 | 002191 002192 | 002193 | 002194 | 002195 | 002196 | 002197 | 002198 | 002199 | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4.6 | 7.7 | 18.2 | 87.8 | 46.8 | 15.6 | 5.2 | 69.6 70.2 | 3.2 | 2.7 10.8 | 19000N |
| 246711 | 246712 | 246713 | 246714 | 246715 | 246716 | 246717 | 246718 | 246719 | 246720 246721 | |

12 750 E

13 750 E

LEGEND:

8444000mN — GRID LINE WITH 50m INTERVAL

002166 · SAMPLE NUMBER (BILLITON)

75.3 · SOIL Au RESULTS IN ppb

HS030 · 1994 SAMPLES

10ppb Au CONTOUR

# ZAPOPAN NL

## EL 7635

## CENTRAL PROSPECT

SOIL GEOCHEMISTRY

| SCALE | DRAWN | DWG |
|---|---|---|
| 1:40 000 | RFP | FIG. 4B |

## 5.1 RC Drilling

A small RC drill programme was carried out during Year 4 to test the source of anomalous RAB results generated during Year 3.

Three RC traverses targetted anomalies on lines 15100N and 15200N. Drilling intersected weathered greywacke and minor siltstone and shale horizons with moderate quartz veining.

A summary of significant results are tabled below:

| HOLE # | DEPTH (m) | ASSAY | RESPLIT |
|---|---|---|---|
| DP 13 | | Nil | |
| DP 14 | 42-45 | 3m @ 0.4 g/t | 43-44 : 1m @ 1.02 g/t |
| DP 15 | 3-6 | 3m @ 1.45 g/t | 3-4 : 1m @ 4.85 g/t |
| DP 16 | 24-30 | 6m @ 5.00 g/t | 24-25 : 1m @ 2.69 g/t |
| | 42-57 | 15m @ 4.41 g/t | 44-45 : 1m @ 15.97 g/t |
| | | | 46-47 : 1m @ 0.78 g/t |
| | | | 50-51 : 1m @ 1.10 g/t |
| DP 17 | | Nil | |
| DP 18 | | Nil | |
| DP 19 | 15-18 | 3m @ 0.34 g/t | 16-17 : 1m @ 0.78 g/t |
| DP 20 | 42-45 | 3m @ 0.39 g/t | 43-44 : 1m @ 0.7 g/t |

All composite assays > 0.3 g/t Au were reassayed over 1m intervals.

A drillhole location plan is shown as *Figure 5* with RC drill logs contained in Appendix 1 and analytical results listed in Appendix 2.

## 5.2 Airborne Geophysics

A regional airborne geophysical survey, including coverage of EL 7635, was completed for Zapopan by World Geoscience during June 1995 at 50m flight line spacing. Specifications of the survey are detailed below:

| | |
|---|---|
| Aircraft | VH-ADH C206 |
| Magnetometer | Split beam cesium scintrex VIW2321-CS2 |
| | Resolution : 0.001 nano Tesla |
| | Cycle Rate : 0.1 seconds |
| | Sample interval : 6.0 metres |
| Spectrometer | Packets Perm. 1000 256 Channel |
| | Volume : 16.56 litres |
| | Cycle Rate : 1.0 seconds |
| | Sample Interval : 60 metres |
| Data Acquisition | Packets Pads 1000 digital acquisition system |
| | 11 Channel RMS GR33A Chart Recorder |
| Flight Line Spacing | Traverse lines : 50 metres |
| | Tie Lines : 984 metres |

| | |
|---|---|
| Flight Line Direction | Transverse Lines : 270 - 090 degrees<br>Tie Lines : 000 - 180 degrees |
| Survey Height | 60 metres - mean terrain clearance |
| Navigation | GPS satellite positioning system |

See *Figure 6* for total field magnetic contours.

## 6. CONCLUSIONS AND RECOMMENDATIONS

Exploration by Pegasus within EL 7635 has targetted previously defined anomalous surface geochemistry at the Horseshoe and Central prospects.

RAB drilling of the Central Prospect soil anomalies failed to locate broad zones of gold mineralization with a best intercept of 3m @ 0.23 g/t Au (HRB022; 15-18m).

Previous exploration at the Horseshoe Prospect has produced encouraging results including anomalous surface geochemistry and significant RC drill intercepts. RAB drilling to further evaluate the potential of the surface anomalies was disappointing with a maximum intercept of 3m @ 3.67 g/t Au (HRB077; 15-18m).

RC drilling of these RAB anomalies returned moderate results with drillhole DF016 intersecting 6m @ 5.00 g/t and 15m @ 4.41 g/t Au. Resplits of the anomalous 3m intercepts returned high 1m intervals which tend to indicate narrow, high grade quartz veins are the source of the anomalous geochemistry.

Ongoing exploration to test for further narrow high grade lodes is warranted, with continued RC drill follow up of RAB and surface geochemical anomalies recommended. Further exploration is also proposed on conceptual targets determined from the recently acquired airborne geophysics.

## 7. REHABILITATION

All RAB drillholes within EL 7635 were back filled and sealed during the term of the licence. No PVC collar pipe or plastic sample bags were used.

RC drilling at the Horseshoe prospect required access and pad preparation by dozing (D6). The onset of the wet season prevented rehabilitation but this will be undertaken during the first half of 1996, once access is re-established.

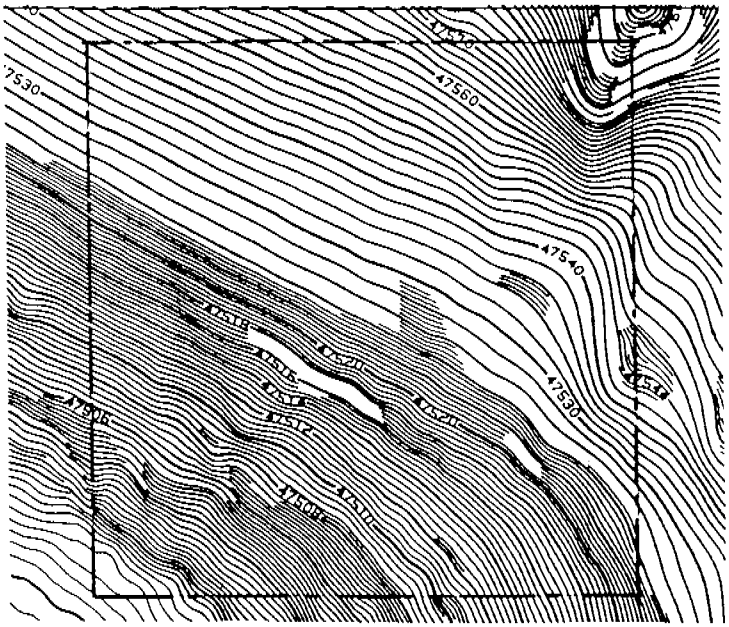
## 8. PROPOSED WORK PROGRAMME FOR RENEWAL PERIOD

The following exploration work programmes are proposed upon renewal of EL 7635:

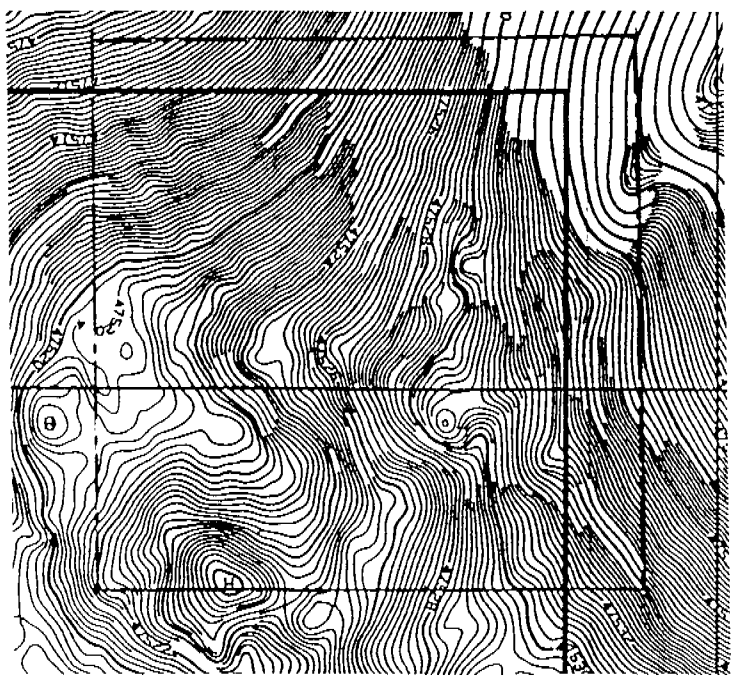
Year One

| | |
|---|---|
| RC Percussion Drilling (1000m) | $45,000 |
| Rehabilitation of Disturbed Areas | $ 3,000 |
| TOTAL | $48,000 |

8445000mN




8442500mN



8440000mN

190000mE

192500mE

N

| | |
|---|---|
| PEGASUS GOLD AUSTRALIA | |
| Project: HORSESHOE | |
| Title: EL 7635 TOTAL FIELD MAGNETIC CONTOURS | |
| Author / Date | Scale 1:25000 |
| Drawn / Office | Revised / Date |
| Drawing No. | Fig No. 6 |

Year Two

| | |
|---|---|
| RC Percussion Drilling | $50,000 |
| Rehabilitation of Disturbed Areas | $ 3,000 |
| TOTAL | $53,000 |

## 9. EXPENDITURE STATEMENT

Total expenditure for the period 26 February 1995 - 25 February 1996 is tabled below:

| COST DESCRIPTION | EXPENDITURE |
|---|---|
| Travel & Accommodation | 6,200 |
| Salaries & Wages | 5,254 |
| Assays | 4,735 |
| Plant & Equipment | 3,120 |
| Geophysics | 5,356 |
| Contract Geologist | 3,310 |
| Motor Vehicles | 515 |
| RC Drilling | 12,040 |
| Administration | 6,948 |
| | TOTAL $47,478 |

# APPENDIX 1

## RC DRILLHOLE LOG SHEETS

# RILL HOLE SUMMARY SHEET

Z
Zapopan NL

| | |
|---|---|
| HOLE NUM. | DP020 |
| Program | |
| Prospect | HORSESHOE |
| Project | |

## Weathering Data

| | |
|---|---|
| eathered -> Transition Depth: | 34 m |
| Transition -> Fresh Depth: | 43 m |
| ater Encountered At : | m |

## Hole Orientation and Design Data

| | Depth | Collar Orientation / Coordinates | | | | | Target / Reason for E.O.H. |
|---|---|---|---|---|---|---|---|
| | | Dip | Azimuth | Northing | Easting | R.L. | |
| Design | 50m | -90 | | 15200 | 12725 | | Test RAB Anomaly |
| Actual | | | | | | | |

## Drilling and Logging Data

| From | To | Contractor | Drilling Type | Drill Size | Rig Type | Logged By | Date Drilled | Comments |
|---|---|---|---|---|---|---|---|---|
| 0 | 50m | GADEN | RC | 5½" | UDR-650 TRACK | INC | 15/12/95 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

## Downhole Survey Data

| Depth | Survey Values | | Comment | Grid Conversion | Final Survey Values | |
|---|---|---|---|---|---|---|
| | Dip | Mag.Azm | | | Dip | Grid Azm. |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| Intercept Summary | From (m) | To (m) | Length (m) | Grade (g/t) |
|---|---|---|---|---|
| n. intercept length : m | | | | |
| min. waste inclusion m | | | | |
| say cutoff : g/t | | | | |
| ercept cutoff : g/t | | | | |

| From (m) | To (m) | Length (m) | Grade (g/t) |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

General Comments :

| | INITIAL |
|---|---|
| ASSAY DATA ENTERED | |
| SURVEY DATA IN DATABASE | |
| SURVEY DATA CHECKED | |

DP020

15200N 12725E

| A | A | B | C | D | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | Assay Data | | | | | | Rock | | | | | | Sulphide Minerals | | | | | | | | | Veining | | | Alteration | | | | | | |
| 2 | Sample # | Au1 | Au2 | Au3 | From | To | Gr | Cod | Fab | Col | H20 | Wx | Rec | Py | Ph | Cp | Ap | Ga | Sp | ? | Sul | FeOx | Qtz | Cc | Other | Si | Cc | Cl | ? | Comments | | | |
| 3 | BQO2206 | | | | 0 | 1 | C | GW | | LB | D | W | M | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | 1 | 2 | M | GW | | LB | D | W | M | | | | | | | | | | | | | | | | CY | | | |
| 5 | | | | | 2 | 3 | F | GW | | RB | D | W | M | | | | | | | | | 0.5 | | | | | | | | | | |
| 6 | BQO2207 | | | | 3 | 4 | M | GW | | B | D | W | P | | | | | | | | | 1 | | | | | | | | | | |
| 7 | | | | | 4 | 5 | C | GW | | B | D | W | P | | | | | | | | | | | | | | | | CY | | | |
| 8 | | | | | 5 | 6 | M | GW | | RB | D | W | M | | | | | | | | | 0.1 | | | | | | | CY | | | |
| 9 | BQO2208 | | | | 6 | 7 | F | GW | | B | D | W | P | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | 7 | 8 | M | GW | | RB | D | W | P | | | | | | | | | 0.1 | | | | | | | CY | | | |
| 11 | | | | | 8 | 9 | F | GW | | GR | D | W | M | | | | | | | | | 0.5 | | | | | | | | | | |
| 12 | BQO2209 | | | | 9 | 10 | M | GW | | LB | D | W | P | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | 10 | 11 | M | GW | | LYB | D | W | P | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | 11 | 12 | M | GW | | LRB | D | W | P | | | | | | | | | | | | | | | | | | | |
| 15 | BQO2210 | | | | 12 | 13 | F | GW/SI | | GR | D | W | P | | | | | | | | | 0.1 | 1 | | | | | | | | | |
| 16 | | | | | 13 | 14 | M | GW | | LYB | D | W | P | | | | | | | | | 0.5 | | | | | | | | | | |
| 17 | | | | | 14 | 15 | M | GW | | LYB | D | W | P | | | | | | | | | | | | | | | | | | | |
| 18 | BQO2211 | | | | 15 | 16 | M | GW | | LYB | D | W | P | | | | | | | | | 0.1 | | | | | | | | | | |
| 19 | | | | | 16 | 17 | F | GW | | RB | D | W | M | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | 17 | 18 | M | GW | | RB | D | W | M | | | | | | | | | 0.5 | 1 | | | | | | | | | |
| 21 | BQO2212 | | | | 18 | 19 | M | GW | | RB | D | W | M | | | | | | | | | 2 | 0.5 | | | | | | | | | |
| 22 | | | | | 19 | 20 | M | GW | | RB | D | W | P | | | | | | | | | 0.5 | 0.5 | | | | | | | | | |
| 23 | | | | | 20 | 21 | F | GW | | RB | D | W | P | | | | | | | | | | | | | | | | | | | |
| 24 | BQO2213 | | | | 21 | 22 | F | GW | | RB | D | W | P | | | | | | | | | | | | | | | | CY | | | |
| 25 | | | | | 22 | 23 | M | GW | | RB | D | W | M | | | | | | | | | 0.1 | 0.1 | | | | | | CY | | | |
| 26 | | | | | 23 | 24 | | SI | | YW | D | W | M | | | | | | | | | | | | | | | | CY | | | |
| 27 | BQO2214 | | | | 24 | 25 | M | SI | | RB | D | W | M | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | 25 | 26 | F | GW | | RB | D | W | M | | | | | | | | | 0.5 | 2 | | | | | | | | | |
| 29 | | | | | 26 | 27 | M | GW | | GB | D | W | M | | | | | | | | | 0.1 | 0.1 | | | | | | | | | |
| 30 | BQO2215 | | | | 27 | 28 | C | GW | | B | D | W | M | | | | | | | | | 0.1 | | | | | | | | | | |
| 31 | | | | | 28 | 29 | C | GW | | B | D | W | M | | | | | | | | | 0.1 | | | | | | | | | | |
| 32 | | | | | 29 | 30 | C | GW | | B | D | W | P | | | | | | | | | 0.1 | | | | | | | | | | |
| 33 | BQO2216 | | | | 30 | 31 | M | GW | | B | D | W | M | | | | | | | | | 0.1 | | | | | | | | | | |
| 34 | | | | | 31 | 32 | M | GW | | B | D | W | M | | | | | | | | | 0.1 | | | | | | | | | | |
| 35 | | | | | 32 | 33 | M | GW | | RB | D | W | M | | | | | | | | | 0.1 | 0.1 | | | | | | | | | |
| 36 | BQO2217 | | | | 33 | 34 | M | GW | | LVB | D | T | M | | | | | | | | | | | | | | | | W | | | |
| 37 | | | | | 34 | 35 | C | GW | | LVE | D | T | M | | | | | | | | | | | | | | | | W | | | |
| 38 | | | | | 35 | 36 | C | GW | | LVE | D | T | M | | | | | | | | | | | | | | | | W | | | |
| 39 | BQO2218 | | | | 36 | 37 | F | GW | | RVB | D | T | M | | | | | | | | | 0.1 | | | | | | | W | | | |
| 40 | | | | | 37 | 38 | M | SI | | LEB | D | T | M | | | | | | | | | | | | | | | | W | | | |
| 41 | | | | | 38 | 39 | F | GW | | LGE | D | T | M | | | | | | | | | | | | | | | | W | | | |
| 42 | BQO2219 | | | | 39 | 40 | M | GW | | LGE | D | T | M | 100 | | | | | | | 0.1 | 0.1 | | | | | | W | | | |
| 43 | | | | | 40 | 41 | M | GW | | LVE | D | T | M | 100 | | | | | | | 1 | 0.1 | 1 | | | | | W | | | |
| 44 | | | | | 41 | 42 | M | GW | | GVE | D | T | M | 100 | | | | | | | 0.5 | 0.5 | 0.1 | | | | | W | | | |
| 45 | BQO2220 | | | | 42 | 43 | M | GW | | VE | D | F | M | 100 | | | | | | | 0.5 | 0.1 | 1 | | | | | M | | | |
| 46 | | | | | 43 | 44 | M | GW | | LVE | D | F | M | 100 | | | | | | | 2 | | 5 | | | | | W | | | |

DP020

15200N 12725E

| A | A | B | C | D | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | | | | | 44 | 45 | M | GW | | LVE | D | F | M | 100 | | | | | | | 3 | | 5 | | | | | W | | | | | |
| 48 | BQO2221 | | | | 45 | 46 | FM | GW/TU | | LGV | D | F | M | 100 | | | | | | | 0.5 | | 5 | | | | | W | | | | | |
| 49 | | | | | 46 | 47 | F | GW/TU | | LGV | D | F | M | 100 | | | | | | | 5 | | 10 | | | | | M | | | | | |
| 50 | | | | | 47 | 48 | M | GW | | GV | D | F | M | 100 | | | | | | | 1 | | 5 | | | | | M | | MINOR F.G. | GV | TUFF | |
| 51 | BQO2222 | | | | 48 | 49 | M | GW | | GV | D | F | M | 100 | | | | | | | 0.1 | | 3 | | | | | M | | | | | |
| 52 | | | | | 49 | 50 | C | GW | | GV | D | F | M | 100 | | | | | | | 0.5 | | 1 | | | | | M | | E.O.H. | | | |

# DRILL HOLE SUMMARY SHEET

Zapopan NL

| HOLE NUM. | DP019 |
|---|---|
| Program | |
| Prospect | HORSESHOE |
| Project | |

## Weathering Data

| | |
|---|---|
| Weathered -> Transition Depth: | 34 m |
| Transition -> Fresh Depth: | ____ m |
| Water Encountered At : | ____ m |

## Hole Orientation and Design Data

| | Depth | Collar Orientation / Coordinates | | | | | Target / Reason for E.O.H. |
|---|---|---|---|---|---|---|---|
| | | Dip | Azimuth | Northing | Easting | R.L. | |
| Design | 50m | -90° | | 15200 | 12750 | | Test RAB Anomaly |
| Actual | | | | | | | |

## Drilling and Logging Data

| From | To | Contractor | Drilling Type | Drill Size | Rig Type | Logged By | Date Drilled | Comments |
|---|---|---|---|---|---|---|---|---|
| 0 | 50m | GADEN | RC | 5½" | UDR 650 TRACK | INC | 15/12/95 | |
| | | | | | | | | |
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## Downhole Survey Data

| Depth | Survey Values | | Comment | Grid Conversion | Final Survey Values | |
|---|---|---|---|---|---|---|
| | Dip | Mag.Azm | | | Dip | Grid Azm. |
| | | | | | | |
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| Intercept Summary | From (m) | To (m) | Length (m) | Grade (g/t) |
|---|---|---|---|---|
| min. intercept length : ____ m | | | | |
| min. waste inclusion ____ m | | | | |
| assay cutoff : ____ g/t | | | | |
| intercept cutoff : ____ g/t | | | | |

| From (m) | To (m) | Length (m) | Grade (g/t) |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

**General Comments :**

| | INITIAL |
|---|---|
| ASSAY DATA ENTERED | |
| SURVEY DATA IN DATABASE | |
| SURVEY DATA CHECKED | |

DP019

15200N 12750E

| | A | B | C | D | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | Assay Data | | | | | | Rock | | | | | | Sulphide Minerals | | | | | | | | | Veining | | | Alteration | | | | |
| 2 | Sample # | Au1 | Au2 | Au3 | From | To | Gr | Cod | Fab | Col | H20 | Wx | Rec | Py | Ph | Cp | Ap | Ga | Sp | ? | Sul | FeOx | Qtz | Cc | Other | Si | Cc | Cl | ? | Comments |
| 3 | BQO2189 | | | | 0 | 1 | C | GW | | GR | D | W | P | | | | | | | | | | | | | | | | CY | |
| 4 | | | | | 1 | 2 | M | GW | | RB | D | W | M | | | | | | | | | 0.1 | | | | | | | CY | |
| 5 | | | | | 2 | 3 | M | GW | | GR | D | W | M | | | | | | | | | | | | | | | | | |
| 6 | BQO2190 | | | | 3 | 4 | C | GW | | GR | D | W | P | | | | | | | | | | | | | | | | CY | |
| 7 | | | | | 4 | 5 | FM | GW | | RB | D | W | M | | | | | | | | | 0.1 | | | | | | | CY | |
| 8 | | | | | 5 | 6 | C | GW | | LGV | D | W | M | | | | | | | | | 2 | | | | | | | CY | |
| 9 | BQO2191 | | | | 6 | 7 | C | GW | | RB | D | W | M | | | | | | | | | 3 | | | | | | | | |
| 10 | | | | | 7 | 8 | C | GW | | RB | D | W | M | | | | | | | | | 1 | | | | | | | | |
| 11 | | | | | 8 | 9 | M | GW | | RB | D | W | P | | | | | | | | | 0.5 | 5 | | | | | | | |
| 12 | BQO2192 | | | | 9 | 10 | C | GW | | LGV | D | W | M | | | | 100 | | | | 0.1 | 1 | 20 | | | | | | | AP IN QTZ |
| 13 | | | | | 10 | 11 | C | GW | | GRB | D | W | M | | | | | | | | | 1 | 15 | | | | | | CY | |
| 14 | | | | | 11 | 12 | C | GW | | RB | D | W | M | | | | | | | | | 1 | 5 | | | | | | | |
| 15 | BQO2193 | | | | 12 | 13 | F | GW | | RB | D | W | M | | | | | | | | | 3 | 0.1 | | | | | | | |
| 16 | | | | | 13 | 14 | F | GW | | GR | D | W | M | | | | 100 | | | | 0.1 | 10 | 2 | | | | | | | AP IN QTZ |
| 17 | | | | | 14 | 15 | M | SI | | GR | D | W | M | | | | | | | | | 0.5 | 0.1 | | | | | | CY | |
| 18 | BQO2194 | | | | 15 | 16 | M | SI | | RB | D | W | M | | | | | | | | | 3 | | | | | | | CY | |
| 19 | | | | | 16 | 17 | F | GW | | GR | D | W | M | | | | | | | | | 0.5 | | | | | | | | |
| 20 | | | | | 17 | 18 | F | GW | | RB | D | W | M | | | | | | | | | 3 | | | | | | | CY | |
| 21 | BQO2195 | | | | 18 | 19 | C | GW | | GR | D | W | M | | | | | | | | | 0.5 | | | | | | | | |
| 22 | | | | | 19 | 20 | M | GW | | RB | D | W | M | | | | | | | | | 0.1 | | | | | | | CY | |
| 23 | | | | | 20 | 21 | C | GW | 2 | RB | D | W | M | | | | | | | | | 0.1 | | | | | | | | |
| 24 | BQO2196 | | | | 21 | 22 | C | GW | | RB | D | W | M | | | | | | | | | 0.1 | | | | | | | | |
| 25 | | | | | 22 | 23 | M | GW | | RB | D | W | M | | | | | | | | | 1 | | | | | | | | |
| 26 | | | | | 23 | 24 | M | GW | | LB | D | W | M | | | | | | | | | 0.1 | | | | | | | | |
| 27 | BQO2197 | | | | 24 | 25 | M | GW | | RB | D | W | M | | | | | | | | | 0.1 | | | | | | | | |
| 28 | | | | | 25 | 26 | F | GW | | RB | D | W | M | | | | | | | | | | | | | | | | | |
| 29 | | | | | 26 | 27 | F | GW | | RB | D | W | M | | | | | | | | | 0.1 | | | | | | | | |
| 30 | BQO2198 | | | | 27 | 28 | M | GW | 1 | RB | D | W | M | | | | | | | | | 0.5 | | | | | | | | |
| 31 | | | | | 28 | 29 | M | GW | | RB | D | W | M | | | | | | | | | 0.1 | | | | | | | | |
| 32 | | | | | 29 | 30 | C | GW | | RVB | D | W | M | | | | | | | | | 0.1 | | | | | | | | |
| 33 | BQO2199 | | | | 30 | 31 | M | GW | | RVB | D | W | M | | | | | | | | | | | | | | | | | |
| 34 | | | | | 31 | 32 | C | GW | | RVB | D | W | M | | | | | | | | | | | | | | | | | |
| 35 | | | | | 32 | 33 | M | GW | | RB | D | W | M | | | | | | | | | | | | | | | | | |
| 36 | BQO2200 | | | | 33 | 34 | C | GW | | LVB | D | T | M | | | | | | | | | | | | | | | | | |
| 37 | | | | | 34 | 35 | M | GW | | LVB | D | T | M | | | | | | | | | | | | | | | | | |
| 38 | | | | | 35 | 36 | C | GW | | RVB | D | T | M | | | | | | | | | | | | | | | W | | |
| 39 | BQO2201 | | | | 36 | 37 | C | GW | | RVB | D | T | M | | | | | | | | | | | | | | | W | | |
| 40 | | | | | 37 | 38 | C | GW | | RVB | D | T | M | | | | | | | | | 0.1 | | | | | | W | | |
| 41 | | | | | 38 | 39 | C | GW | | GVE | D | T | M | | | | | | | | | | | | | | | W | | |
| 42 | BQO2202 | | | | 39 | 40 | C | GW | | LGE | D | T | M | | | | | | | | | 0.1 | | | | | | W | | |
| 43 | | | | | 40 | 41 | C | GW | | VE | D | T | M | | | | | | | | | | | | | | | W | | |

DP019

15200N 12750E

| A | A | B | C | D | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | | | | | 41 | 42 | C | GW | | VEB | D | T | M | | | | | | | | | | | | | | | W | | |
| 45 | BQO2203 | | | | 42 | 43 | C | GW | | VB | D | T | M | | | | | | | | | 0.1 | | | | | | W | | |
| 46 | | | | | 43 | 44 | C | GW | | VE | D | T | M | | | | | | | | | 0.1 | 0.1 | | | | | W | | |
| 47 | | | | | 44 | 45 | C | GW | | VE | D | T | M | | | | | | | | | | | | | | | W | | |
| 48 | BQO2204 | | | | 45 | 46 | M | GW | | EV | D | T | M | | | | | | | | | | 0.1 | | | | | W | | |
| 49 | | | | | 46 | 47 | M | GW | | EV | D | T | M | | | | | | | | | | | | | | | W | | |
| 50 | | | | | 47 | 48 | C | GW | | DV | D | T | M | | | | | | | | | | | | | | | W | | |
| 51 | BQO2205 | | | | 48 | 49 | FM | GW | | DV | D | T | M | | | | | | | | | | 0.1 | | | | | M | | |
| 52 | | | | | 49 | 50 | M | GW | | EV | D | T | M | | | | | | | | | | | | | | | M | | E.O.H. |

# RILL HOLE SUMMARY SHEET

Z
Zapopan NL

| | |
|---|---|
| HOLE NUM. | DP018 |
| Program | |
| Prospect | HORSESHOE |
| Project | |

## Weathering Data

| | |
|---|---|
| Weathered -> Transition Depth: | m |
| Transition -> Fresh Depth: | m |
| Water Encountered At : | m |

## Hole Orientation and Design Data

| | Depth | Collar Orientation / Coordinates | | | | | Target / Reason for E.O.H. |
|---|---|---|---|---|---|---|---|
| | | Dip | Azimuth | Northing | Easting | R.L. | |
| Design | 50m | -90° | | 15200N | 12715 | | TEST RAB Anomaly |
| Actual | | | | | | | |

## Drilling and Logging Data

| From | To | Contractor | Drilling Type | Drill Size | Rig Type | Logged By | Date Drilled | Comments |
|---|---|---|---|---|---|---|---|---|
| 0 | 50m | CADEN | RC | 5½" | UDR 650 TRACK | INC | 14/12/05 | |
| | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |

## Downhole Survey Data

| Depth | Survey Values | | Comment | Grid Conversion | Final Survey Values | |
|---|---|---|---|---|---|---|
| | Dip | Mag.Azm | | | Dip | Grid Azm. |
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| Intercept Summary | From (m) | To (m) | Length (m) | Grade (g/t) |
|---|---|---|---|---|
| min. intercept length : m | | | | |
| min. waste inclusion m | | | | |
| ssay cutoff : g/t | | | | |
| tercept cutoff : g/t | | | | |

| From (m) | To (m) | Length (m) | Grade (g/t) |
|---|---|---|---|
| | | | |
| | | | |
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| | | | |

**General Comments :**

| | INITIAL |
|---|---|
| ASSAY DATA ENTERED | |
| SURVEY DATA IN DATABASE | |
| SURVEY DATA CHECKED | |

DP018

15200N 12775E

| | A | B | C | D | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | Assay Data | | | | | | Rock | | | | | | Sulphide Minerals | | | | | | | | | Veining | | | Alteration | | | | |
| 2 | Sample # | Au1 | Au2 | Au3 | From | To | Gr | Cod | Fab | Col | H20 | Wx | Rec | Py | Ph | Cp | Ap | Ga | Sp | ? | Sul | FeOx | Qtz | Cc | Other | Si | Cc | Cl | ? | Comments |
| 3 | BQO2171 | | | | 0 | 1 | F | GW | | RB | D | W | P | | | | | | | | | | | | | | | | CY | |
| 4 | | | | | 1 | 2 | | SI | | LGR | D | W | P | | | | | | | | | | | | | | | | CY | |
| 5 | | | | | 2 | 3 | | SI | | RW | D | W | P | | | | | | | | | 0.5 | | | | | | | CY | |
| 6 | BQO2172 | | | | 3 | 4 | F | GW | | RB | D | W | P | | | | | | | | | 0.1 | | | | | | | | |
| 7 | | | | | 4 | 5 | M | GW | | RB | D | W | P | | | | | | | | | | | | | | | | | |
| 8 | | | | | 5 | 6 | C | GW | | RB | D | W | P | | | | | | | | | 0.1 | 0.1 | | | | | | | |
| 9 | BQO2173 | | | | 6 | 7 | M | GW | | LB | D | W | P | | | | | | | | | | | | | | | | CY | |
| 10 | | | | | 7 | 8 | C | GW | | LB | D | W | P | | | | | | | | | | | | | | | | | |
| 11 | | | | | 8 | 9 | C | GW | | LB | D | W | P | | | | | | | | | 0.5 | 0.1 | | | | | | | |
| 12 | BQO2174 | | | | 9 | 10 | C | GW | | LB | D | W | P | | | | | | | | | 1 | | | | | | | | |
| 13 | | | | | 10 | 11 | M | GW | | LGR | D | W | P | | | | | | | | | | | | | | | | CY | |
| 14 | | | | | 11 | 12 | M | GW | | LGR | D | W | P | | | | | | | | | 0.1 | | | | | | | | |
| 15 | BQO2175 | | | | 12 | 13 | M | GW | | LGR | D | W | P | | | | | | | | | | | | | | | | | |
| 16 | | | | | 13 | 14 | M | GW | | LGR | D | W | P | | | | | | | | | 0.5 | | | | | | | | |
| 17 | | | | | 14 | 15 | C | GW | | RB | D | W | P | | | | | | | | | | | | | | | | | |
| 18 | BQO2176 | | | | 15 | 16 | M | GW | | RB | D | W | M | | | | | | | | | | | | | | | | | |
| 19 | | | | | 16 | 17 | M | GW | | RB | D | W | M | | | | | | | | | 0.1 | | | | | | | | |
| 20 | | | | | 17 | 18 | M | GW | | RB | D | W | M | | | | | | | | | | | | | | | | | |
| 21 | BQO2177 | | | | 18 | 19 | F | GW | | B | D | W | M | | | | | | | | | 0.5 | | | | | | | | |
| 22 | | | | | 19 | 20 | M | GW | | B | D | W | M | | | | | | | | | | | | | | | | | |
| 23 | | | | | 20 | 21 | M | GW | | RB | D | W | M | | | | | | | | | 1 | | | | | | | | |
| 24 | BQO2178 | | | | 21 | 22 | M | GW | | GR | D | W | M | | | | | | | | | 0.1 | | | | | | | | |
| 25 | | | | | 22 | 23 | M | GW | | GR | D | W | P | | | | | | | | | | | | | | | | | |
| 26 | | | | | 23 | 24 | M | GW | | GR | D | W | P | | | | | | | | | 0.1 | | | | | | | | |
| 27 | BQO2179 | | | | 24 | 25 | M | GW | | RB | D | W | P | | | | | | | | | 0.1 | | | | | | | | |
| 28 | | | | | 25 | 26 | M | GW | | RB | D | W | P | | | | | | | | | 0.1 | | | | | | | | |
| 29 | | | | | 26 | 27 | M | GW | | RB | D | W | P | | | | | | | | | | | | | | | | | |
| 30 | BQO2180 | BAG NUMBER MISSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | BQO2181 | | | | 27 | 28 | F | GW | | GR | D | W | P | | | | | | | | | 0.1 | 0.1 | | | | | | | |
| 32 | | | | | 28 | 29 | F | GW | | B | D | W | P | | | | | | | | | 0.5 | | | | | | | | |
| 33 | | | | | 29 | 30 | M | GW | | LVB | D | W | P | | | | | | | | | 0.1 | | | | | | | | |
| 34 | BQO2182 | | | | 30 | 31 | C | GW | | B | D | W | P | | | | | | | | | 0.1 | | | | | | | | |
| 35 | | | | | 31 | 32 | F | GW | | RB | D | W | P | | | | | | | | | 0.1 | | | | | | | | |
| 36 | BQO2183 | | | | 32 | 33 | C | GW | | GR | D | W | P | | | | | | | | | 0.5 | | | | | | | | |
| 37 | | | | | 33 | 34 | M | GW | | LB | D | W | P | | | | | | | | | 0.5 | | | | | | | | |
| 38 | | | | | 34 | 35 | M | GW | | VB | D | W | P | | | | | | | | | | | | | | | | | |
| 39 | BQO2184 | | | | 35 | 36 | F | GW | | GR | D | W | P | | | | | | | | | 0.5 | | | | | | | | |
| 40 | | | | | 36 | 37 | F | GW | | GR | D | W | P | | | | | | | | | 0.1 | | | | | | | | |
| 41 | | | | | 37 | 38 | C | GW | | RB | D | W | M | | | | | | | | | 0.1 | | | | | | | | |
| 42 | BQO2185 | | | | 38 | 39 | C | GW | | GVB | D | W | M | | | | | | | | | | 0.1 | | | | | | | |

DP018

15200N 12775E

| A | A | B | C | D | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43 | | | | | 39 | 40 | M | GW | | RB | D | W | M | | | | | | | | | | | | | | | | | |
| 44 | | | | | 40 | 41 | M | GW | | B | D | W | M | | | | | | | | | 0.5 | | | | | | | | |
| 45 | BQO2186 | | | | 41 | 42 | M | GW | | GB | D | W | M | | | | | | | | | 0.1 | | | | | | | | |
| 46 | | | | | 42 | 43 | C | GW | | GV | D | W | M | | | | | | | | | | | | | | | | | |
| 47 | | | | | 43 | 44 | C | GW | | LGV | D | W | M | | | | | | | | | 0.1 | | | | | | | | |
| 48 | BQO2187 | | | | 44 | 45 | C | GW | | LGV | D | W | M | | | | | | | | | | | | | | | | | |
| 49 | | | | | 45 | 46 | M | GW | | GE | D | W | M | | | | | | | | | 0.1 | | | | | | | | |
| 50 | | | | | 46 | 47 | M | GW | | GEB | D | W | M | | | | | | | | | | | | | | | | | |
| 51 | BQO2188 | | | | 47 | 48 | F | GW | | B | D | W | M | | | | | | | | | 0.1 | | | | | | | | |
| 52 | | | | | 48 | 49 | F | GW | | VB | D | W | M | | | | | | | | | 0.1 | 20 | | | | | | | |
| 53 | | | | | 49 | 50 | M | GW | | EVB | D | W | M | | | | | | | | | | | | | | | | | E.O.H. |

# RILL HOLE SUMMARY SHEET

Z
Zapopan NL

| | |
|---|---|
| HOLE NUM. | DP 017 |
| Program | |
| Prospect | HORSESHOE |
| Project | |

## Weathering Data

| | | |
|---|---|---|
| Weathered -> Transition Depth: | 32 | m |
| Transition -> Fresh Depth: | 47 | m |
| Water Encountered At : | | m |

## Hole Orientation and Design Data

| | Depth | Collar Orientation / Coordinates | | | | | Target / Reason for E.O.H. |
|---|---|---|---|---|---|---|---|
| | | Dip | Azimuth | Northing | Easting | R.L. | |
| Design | 70m | -60° | 270 | 15100 | 12750 | | Test RAB Anomalies |
| Actual | | | | | | | |

## Drilling and Logging Data

| From | To | Contractor | Drilling Type | Drill Size | Rig Type | Logged By | Date Drilled | Comments |
|---|---|---|---|---|---|---|---|---|
| 0 | 70m | GADEN | RC | 5½" | UDR-650 TRACK | INC | 14/12/95 | |

## Downhole Survey Data

| Depth | Survey Values | | Comment | Grid Conversion | Final Survey Values | |
|---|---|---|---|---|---|---|
| | Dip | Mag.Azm | | | Dip | Grid Azm. |
| 6m | -61° | 266 | | +3·5 | -61° | 269·5 |
| 70m | -62° | 254 | | +3·5 | -62° | 257·5 |

| Intercept Summary | From (m) | To (m) | Length (m) | Grade (g/t) |
|---|---|---|---|---|
| min. intercept length ____m | | | | |
| min. waste inclusion ____m | | | | |
| assay cutoff ____g/t | | | | |
| intercept cutoff ____g/t | | | | |

| From (m) | To (m) | Length (m) | Grade (g/t) |
|---|---|---|---|
| | | | |

**General Comments :**

| | INITIAL |
|---|---|
| ASSAY DATA ENTERED | |
| SURVEY DATA IN DATABASE | |
| SURVEY DATA CHECKED | |

DP017

15100N 12750E

| | A | B | C | D | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | Assay Data | | | | | | Rock | | | | | | Sulphide Minerals | | | | | | | | | Veining | | | Alteration | | | | | | | | | |
| 2 | Sample # | Au1 | Au2 | Au3 | From | To | Gr | Cod | Fab | Col | H20 | Wx | Rec | Py | Ph | Cp | Ap | Ga | Sp | ? | Sul | FeOx | Qtz | Cc | Other | Si | Cc | Cl | ? | Comments | | | | | |
| 3 | BQO2147 | | | | 0 | 1 | F | GW | | GR | D | W | M | | | | | | | | | | | | | | | | CY | | | | | |
| 4 | | | | | 1 | 2 | F | GW | | GR | D | W | M | | | | | | | | | 0.1 | | | | | | | CY | | | | | |
| 5 | | | | | 2 | 3 | F | GW | | GR | D | W | M | | | | | | | | | | | | | | | | CY | | | | | |
| 6 | BQO2148 | | | | 3 | 4 | M | GW | | GR | D | W | M | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | 4 | 5 | M | GW | | RB | D | W | M | | | | | | | | | | 0.1 | | | | | | | | | | | |
| 8 | | | | | 5 | 6 | F | GW | | RB | D | W | M | | | | | | | | | | | | | | | | CY | | | | | |
| 9 | BQO2149 | | | | 6 | 7 | F | GW | | LYB | D | W | M | | | | | | | | | | | | | | | | CY | | | | | |
| 10 | | | | | 7 | 8 | F | GW | | RB | D | W | M | | | | | | | | | 0.5 | | | | | | | CY | | | | | |
| 11 | | | | | 8 | 9 | M | GW | | RB | D | W | P | | | | | | | | | 0.1 | | | | | | | CY | | | | | |
| 12 | BQO2150 | | | | 9 | 10 | M | GW | | OB | D | W | P | | | | | | | | | | | | | | | | CY | | | | | |
| 13 | | | | | 10 | 11 | C | GW | | LB | D | W | P | | | | | | | | | 0.1 | | | | | | | CY | | | | | |
| 14 | | | | | 11 | 12 | M | GW | | LB | D | W | P | | | | | | | | | 0.1 | | | | | | | CY | | | | | |
| 15 | BQO2151 | | | | 12 | 13 | M | GW | | LB | D | W | P | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | 13 | 14 | M | GW | | LB | D | W | P | | | | | | | | | 0.1 | | | | | | | | | | | | |
| 17 | | | | | 14 | 15 | C | GW | | LB | D | W | P | | | | | | | | | 0.1 | | | | | | | | | | | | |
| 18 | BQO2152 | | | | 15 | 16 | M | GW | | GRB | D | W | P | | | | | | | | | 0.1 | | | | | | | CY | | | | | |
| 19 | | | | | 16 | 17 | M | GW | | B | D | W | P | | | | | | | | | 0.1 | 0.1 | | | | | | | | | | | |
| 20 | | | | | 17 | 18 | M | GW | | B | D | W | P | | | | | | | | | 0.1 | 1 | | | | | | | | | | | |
| 21 | BQO2153 | | | | 18 | 19 | M | GW | | LB | D | W | P | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | 19 | 20 | C | GW | | LB | D | W | P | | | | | | | | | | | | | | | | CY | | | | | |
| 23 | | | | | 20 | 21 | M | GW | | LB | D | W | P | | | | | | | | | | | | | | | | | | | | | |
| 24 | BQO2154 | | | | 21 | 22 | C | GW | | LB | D | W | P | | | | | | | | | 0.1 | | | | | | | | | | | | |
| 25 | | | | | 22 | 23 | C | GW | | LGB | D | W | P | | | | | | | | | | | | | | | | CY | | | | | |
| 26 | | | | | 23 | 24 | M | GW | | LRB | D | W | P | | | | | | | | | 0.1 | | | | | | | CY | | | | | |
| 27 | BQO2155 | | | | 24 | 25 | C | GW | | LVB | D | W | P | | | | | | | | | 0.1 | | | | | | | | | | | | |
| 28 | | | | | 25 | 26 | C | GW | | LVB | D | W | P | | | | | | | | | | | | | | | | W | | | | | |
| 29 | | | | | 26 | 27 | C | GW | | LRB | D | W | P | | | | | | | | | 0.1 | | | | | | | | | | | | |
| 30 | BQO2156 | | | | 27 | 28 | M | GW | | LRB | D | W | P | | | | | | | | | 0.1 | | | | | | | | | | | | |
| 31 | | | | | 28 | 29 | C | GW | | LRB | D | W | P | | | | | | | | | | | | | | | | | | | | | |
| 32 | | | | | 29 | 30 | C | GW | | LGV | D | W | P | | | | | | | | | | | | | | | | | | | | | |
| 33 | BQO2157 | | | | 30 | 31 | C | GW | | LB | D | W | P | | | | | | | | | | | | | | | | CY | | | | | |
| 34 | | | | | 31 | 32 | C | GW | | LGE | D | T | M | | | | | | | | | | | | | | | | | | | | | |
| 35 | | | | | 32 | 33 | C | GW | | RGE | D | T | M | | | | | | | | | 0.1 | | | | | | | | | | | | |
| 36 | BQO2158 | | | | 33 | 34 | C | GW | | RGE | D | T | M | | | | | | | | | 0.1 | | | | | | | | | | | | |
| 37 | | | | | 34 | 35 | C | GW | | LGE | D | T | M | 100 | | | | | | | 0.1 | 0.1 | | | | | | | | | | | | |
| 38 | | | | | 35 | 36 | M | GW | | LB | D | T | M | | | | | | | | | 0.1 | | | | | | | | | | | | |
| 39 | BQO2159 | | | | 36 | 37 | C | GW | | LGE | D | T | P | | | | | | | | | 0.1 | | | | | | | | | | | | |
| 40 | | | | | 37 | 38 | M | GW | | LGE | D | T | M | | | | | | | | | | | | | | | | | | | | | |
| 41 | | | | | 38 | 39 | M | GW | | LGE | D | T | M | | | | | | | | | 1 | | | | | | | | | | | | |
| 42 | BQO2160 | | | | 39 | 40 | M | GW | | LGE | D | T | M | | | | | | | | | | | | | | | | | | | | | |
| 43 | | | | | 40 | 41 | M | GW | | LGE | D | T | M | | | | | | | | | | | | | | | | | | | | | |
| 44 | | | | | 41 | 42 | F | GW | | LGE | D | T | M | | | | | | | | | 0.1 | | | | | | | | | | | | |
| 45 | BQO2161 | | | | 42 | 43 | M | GW | | GEB | D | T | M | | | | | | | | | | | | | | | | | | | | | |
| 46 | | | | | 43 | 44 | M | GW | | GE | D | T | M | | | | | | | | | | | | | | | | | | | | | |
| 47 | | | | | 44 | 45 | C | GW | | GE | D | T | M | | | | | | | | | 0.1 | | | | | | | | | | | | |
| 48 | BQO2162 | | | | 45 | 46 | C | GW | | GE | D | T | M | | | | | | | | | | | | | | | | | | | | | |
| 49 | | | | | 46 | 47 | M | GW | | GE | D | F | M | | | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | 47 | 48 | C | GW | | GE | D | F | M | 100 | | | | | | | 0.1 | | | | | | | | | | | | |
| 51 | BQO2163 | | | | 48 | 49 | M | GW | | GE | D | F | M | 100 | | | | | | | 0.1 | | | | | | | | | | | | |
| 52 | | | | | 49 | 50 | M | GW | 3 | GVE | D | F | M | | | | | | | | | | | | | | | | | | MINOR M.G. LGV TUFF | | | | |

DP017

15100N 12750E

| A | A | B | C | D | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | | | | | 50 | 51 | M | GW | 2 | LGV | D | F | M | | | | | | | | | | | | | | | | | | | | | | |
| 54 | BQO2164 | | | | 51 | 52 | M | GW | | G V | D | F | M | | | | | | | | | | | | | | | | | | | | | | |
| 55 | | | | | 52 | 53 | M | GW | | GVE | D | F | M | | | | | | | | | | | | | | | | | | | | | | |
| 56 | | | | | 53 | 54 | C | GW | | GEV | D | F | M | | | | | | | | | | | | | | | | | | | | | | |
| 57 | BQO2165 | | | | 54 | 55 | M | GW | | GVE | D | F | M | 100 | | | | | | | 0.1 | | | | | | | | CY | | | | | |
| 58 | | | | | 55 | 56 | M | GW | | GVE | D | F | M | 100 | | | | | | | 0.1 | | 1 | | | | | | | | | | | |
| 59 | | | | | 56 | 57 | M | GW | | GVE | D | F | M | 100 | | | | | | | 1 | | 1 | | | | | | | MINOR GV CHERT | | | | | |
| 60 | BQO2166 | | | | 57 | 58 | M | GW | | GV | D | F | M | 20 | 80 | | | | | | 0.5 | | 0.1 | | | | | M | | | | | | |
| 61 | | | | | 58 | 59 | F | GW/SI | | DGV | D | F | M | | 100 | | | | | | 1 | | | | | | | M | | MINOR GV CHERT | | | | | |
| 62 | | | | | 59 | 60 | F | GW | | GV | D | F | M | | 100 | | | | | | 0.1 | | 0.1 | | | | | M | | MINOR GV CHERT | | | | | |
| 63 | BQO2167 | | | | 60 | 61 | F | GW | | LVB | D | F | M | | | | | | | | | | | | | | | H | | FIFTY % VF LB SI | | | | | |
| 64 | | | | | 61 | 62 | F | GW | | LGV | D | F | M | | | | | | | | | | | | | | | H | | | | | | | |
| 65 | | | | | 62 | 63 | VF | GW | | LVB | D | F | M | | | | | | | | | | | | | | | H | | | | | | | |
| 66 | BQO2168 | | | | 63 | 64 | F | GW | | DGV | D | F | M | | | 100 | | | | | 0.1 | | | | | | | H | | | | | | | |
| 67 | | | | | 64 | 65 | F | GW/SI | | DGN | D | F | M | | | | | | | | | | 1 | | | | | H | | | | | | | |
| 68 | | | | | 65 | 66 | F | GW | | DG | D | F | M | 100 | | | | | | | 0.1 | | 0.1 | | | | | H | | | | | | | |
| 69 | BQO2169 | | | | 66 | 67 | M | GW | | DV | D | F | M | | | | | | | | | | 0.1 | | | | | H | | | | | | | |
| 70 | | | | | 67 | 68 | C | GW | | DEV | D | F | M | | | | | | | | | | | | | | | M | | | | | | | |
| 71 | | | | | 68 | 69 | C | GW | | DEV | D | F | M | | | | | | | | | | | | | 0.1 | | | | UNKNOWN IS BRIGHT PINK/RED | | | | | |
| 72 | BQO2170 | | | | 69 | 70 | C | GW | | DEV | D | F | M | | | | | | | | | | | | | | | | | E.O.H. | | | | | |

# DRILL HOLE SUMMARY SHEET

Z
Zapopan NL

| | |
|---|---|
| HOLE NUM. | DP016 |
| Program | HORSESHOE |
| Prospect | HORSESHOE |
| Project | MT TODD |

## Weathering Data

| | | |
|---|---|---|
| Weathered -> Transition Depth: | 39 | m |
| Transition -> Fresh Depth: | — | m |
| Water Encountered At : | 40 | m |

## Hole Orientation and Design Data

| | Depth | Collar Orientation / Coordinates | | | | | Target / Reason for E.O.H. |
|---|---|---|---|---|---|---|---|
| | | Dip | Azimuth | Northing | Easting | R.L. | |
| Design | 70 | -60 | 270 | 15100 | 12650 | | Target |
| Actual | 70 | | | | | | |

## Drilling and Logging Data

| From | To | Contractor | Drilling Type | Drill Size | Rig Type | Logged By | Date Drilled | Comments |
|---|---|---|---|---|---|---|---|---|
| 0 | 70 | GADENS | RC | 5¼" | TYRE 450 | P.M. | 13/12/95 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

## Downhole Survey Data

| Depth | Survey Values | | Comment | Grid Conversion | Final Survey Values | |
|---|---|---|---|---|---|---|
| | Dip | Mag.Azm | | | Dip | Grid Azm. |
| 6 | -59° | 269 | | +3·5 | -59° | 272·5 |
| 50 | -57° | 270 | | +3·5 | -57° | 273·5 |
| | | | Hole caved in. B.O.H. survey not possible. | | | |

| Intercept Summary | | From (m) | To (m) | Length (m) | Grade (g/t) |
|---|---|---|---|---|---|
| min. intercept length : | m | | | | |
| min. waste inclusion : | m | | | | |
| assay cutoff : | g/t | | | | |
| intercept cutoff : | g/t | | | | |

| From (m) | To (m) | Length (m) | Grade (g |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

**General Comments :**

INIT

ASSAY DATA ENTERED
SURVEY DATA IN DATABASE
SURVEY DATA CHECKED

| 3m Composit Sample # | Assay Data Au1 | Au2 | Au3 | From | To | Rock Gr | Code | Fab | Col | H20 | Wx | Rec | Sulphide Minerals Py | Ph | Cp | Ap | Ga | Sp | ? | Sul | FeOx | Veining Qtz | Cc | Alteration Other | Si | Cc | Cl | ? | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 0 | 1 | FM | GW | | B/P | D | W | H | | | | | | | | | 0.5 | 3 | | | | | | CY | W | |
| | | | | 1 | 2 | FM | GW | LM1 | B/P | D | W | H | | | | | | | | | 0.3 | 0.5 | | | | | | CY | M | MNR TUFF? |
| CQ0513 | | | | 2 | 3 | FM | GW | | B/P | D | W | H | | | | | | | | | 0.3 | | | | | | | CY | S | |
| | | | | 3 | 4 | FM | GW | | B | D | W | H | | | | | | | | | 0.3 | | | | | | | CY | S | |
| | | | | 4 | 5 | FM | GW | | B | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | S | |
| CQ0514 | | | | 5 | 6 | FM | GW | | B | D | W | H | | | | | | | | | 0.2 | | | | | | | CY | M | |
| | | | | 6 | 7 | FM | GW | | KB | D | W | H | | | | | | | | | 0.3 | | | | | | | CY | S | |
| | | | | 7 | 8 | FM | GW | | KB | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | S | |
| CQ0515 | | | | 8 | 9 | FM | GW | | KB | D | W | H | | | | | | | | | 0.2 | | | | | | | CY | S | |
| | | | | 9 | 10 | FM | GW | | KB | D | W | H | | | | | | | | | 0.3 | | | | | | | CY | M | |
| | | | | 10 | 11 | FM | GW | | KB | D | W | H | | | | | | | | | 0.2 | | | | | | | CY | M | |
| CQ0516 | | | | 11 | 12 | FM | GW | | KB | D | W | H | | | | | | | | | 1 | | | | | | | CY | M | |
| | | | | 12 | 13 | M | GW | | KB | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | W | |
| | | | | 13 | 14 | FM | GW | | P | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | W | |
| CQ0517 | | | | 14 | 15 | M | GW | | P | D | W | H | | | | | | | | | 0.8 | | | | | | | CY | W | |
| | | | | 15 | 16 | M | GW | | P | D | W | H | | | | | | | | | 1 | | | | | | | CY | W | |
| | | | | 16 | 17 | FM | GW | | P | D | W | H | | | | | | | | | 0.8 | | | | | | | CY | M | |
| CQ0518 | | | | 17 | 18 | F | SH | | P | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | W | |
| | | | | 18 | 19 | F | SH | | P | D | W | H | | | | | | | | | 0.8 | | | | | | | CY | W | |
| | | | | 19 | 20 | FM | GW | | PB | D | W | H | | | | | | | | | 1 | | | | | | | CY | W | MNR SH. |
| CQ0519 | | | | 20 | 21 | FM | GW | | G/P | D | W | H | | | | | | | | | 0.4 | | | | | | | | | |
| | | | | 21 | 22 | FM | GW | | P/B | D | W | H | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | 22 | 23 | FM | GW | | B/P | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | W | |
| CQ0520 | | | | 23 | 24 | FM | GW | | P/B | D | W | H | | | | | | | | | 0.8 | | | | | | | CY | W | |
| | | | | 24 | 25 | F/M | GW/SH | | PB | D | W | H | | | | | | | | | 0.5 | | | | | | | | | GW 40%. |
| | | | | 25 | 26 | M | GW | | P | D | W | H | | | | | | | | | 0.8 | | | | | | | BL | W | |
| CQ0521 | | | | 26 | 27 | M | GW | | P | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | W | |
| | | | | 27 | 28 | FM | GW | | P/G | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | W | |
| | | | | 28 | 29 | FM | GW | | P | D | W | H | | | | | | | | | 0.8 | | | | | | | | | |
| CQ0522 | | | | 29 | 30 | FM | GW | | KB | D | W | H | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | 30 | 31 | FM | GW | | KGB | D | W | H | | | | | | | | | 0.3 | 1 | | | | | | | | MNR TUFF? |
| | | | | 31 | 32 | FM | GW | | KGB | D | W | H | | | | | | | | | 0.2 | | | | | | | | | |
| CQ0523 | | | | 32 | 33 | FM | GW | | PB | D | W | H | | | | | | | | | 0.8 | | | | | | | | | |
| | | | | 33 | 34 | FM | GW | | G/P | D | W | H | | | | | | | | | 0.8 | 0.5 | | | | | | | | |
| | | | | 34 | 35 | FM | GW | | G/P | D | W | H | | | | | | | | | 0.8 | 0.2 | | | | | | | | MNR TUFF? |
| CQ0524 | | | | 35 | 36 | F | GW/SH | | B | D | W | H | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | 36 | 37 | F | SH | | G/B | D | W | H | | | | | | | | | 1.5 | | | | | | | | | MNR GW. |
| | | | | 37 | 38 | F | SH | | P/G | D | W | H | | | | | | | | | 0.5 | | | | | | | | | |
| CQ0525 | | | | 38 | 39 | F/M | SH/GW | | P/G | D | W | H | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | 39 | 40 | M | GW | | LVG | D | T | H | 100 | | | | | | | 3 | 0.2 | 0.2 | | | | | | | | |
| | | | | 40 | 41 | F | SH | | LVG | W | T | M | 100 | | | | | | | 0.3 | 0.3 | | | | | | | | |
| CQ0526 | | | | 41 | 42 | F | SH | | LVG | D | T | H | 100 | | | | | | | 2 | 0.5 | | | | | | | | |
| | | | | 42 | 43 | F | SH | | G | D | T | H | 100 | | | | | | | 3 | 0.3 | | | | | | | | |
| | | | | 43 | 44 | FM | GW | | G | D | T | H | 100 | | | | | | | 5 | 0.2 | | | | | | | | |
| CQ0527 | | | | 44 | 45 | F | SH | | DG | D | T | H | 100 | | | | | | | 1 | 0.8 | | | | | | BL | W | |
| | | | | 45 | 46 | FM | GW | | DG | D | T | H | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | 46 | 47 | FM | GW | | DG | D | T | H | 100 | | | | | | | 3 | 0.2 | | | | | | | | |
| CQ0528 | | | | 47 | 48 | FM | GW | | DG | D | T | H | 100 | | | | | | | 0.5 | 0.3 | | | | | | BL | W | |
| | | | | 48 | 49 | FM | GW | | DG | D | T | H | 100 | | | | | | | 2 | 0.2 | | | | | | | | |
| | | | | 49 | 50 | FM | GW | | DG | D | T | H | 100 | | | | | | | 2 | 0.3 | | | | | | | | |
| CQ0529 | | | | 50 | 51 | FM | GW | | DG | D | T | H | 100 | | | | | | | 2 | 0.3 | 2 | | | | | | | |
| | | | | 51 | 52 | FM | GW | | DG | D | T | H | 100 | | | | | | | 2 | 0.5 | | | | | | | | |
| | | | | 52 | 53 | FM | GW | | DG | D | T | H | 100 | | | | | | | 0.5 | 0.8 | | | | | | | | |
| CQ0530 | | | | 53 | 54 | FM | GW | | DG | D | T | H | 100 | | | | | | | 2 | 1 | 5 | | | | | | | |
| | | | | 54 | 55 | FM | GW | | DG | M | T | H | 100 | | | | | | | 0.3 | 2 | 1 | | | | | | | |

| 3m Composit Sample # | Assay Data Au1 | Au2 | Au3 | From | To | Gr | Rock Code | Fab | Col | H20 | Wx | Rec | Sulphide Minerals Py | Ph | Cp | Ap | Ga | Sp | ? | Sul | FeOx | Veining Qtz | Cc | Alteration Other | Si | Cc | Cl | ? | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 54 | 55 | FM | GW | | DG | M | T | H | 100 | | | | | | | 0.3 | 2 | 1 | | | | | | | |
| | | | | 55 | 56 | FM | GW | | DG | M | T | H | 100 | | | | | | | 0.5 | 0.8 | | | | | | | BL W | |
| CQ0531 | | | | 56 | 57 | M | GW | | DG | M | T | H | | | | | | | | | 0.3 | | | | | | | | |
| | | | | 57 | 58 | FM | GW | | DG | M | T | H | 100 | | | | | | | 0.5 | 0.3 | | | | | | | | |
| | | | | 58 | 59 | M | GW | BK2 | DG | W | T | H | 100 | | | | | | | 0.8 | 2 | 1 | | | | | | | |
| CQ0532 | | | | 59 | 60 | FM | GW | BK1 | DG | W | T | H | 100 | | | | | | | 0.5 | 1 | 0.2 | | | | | | | |
| | | | | 60 | 61 | FM | GW | | DG | W | T | M | 100 | | | | | | | 0.3 | 0.5 | 0.5 | | | | | | BL W | |
| | | | | 61 | 62 | M | GW | | DG | W | T | M | 100 | | | | | | | 1.5 | 0.8 | | | | | | | SE W | |
| CQ0533 | | | | 62 | 63 | FM | GW | | DG | W | T | M | 100 | | | | | | | 1 | 0.5 | | | | | | | SE W | |
| | | | | 63 | 64 | F | GW/SH | | DVG | W | T | M | 100 | | | | | | | 2 | 0.5 | 0.2 | | | | | W | | |
| | | | | 64 | 65 | F | GW/SH | | DVG | W | T | M | 100 | | | | | | | 3 | 1 | | | | | | W | | |
| CQ0534 | | | | 65 | 66 | F/M | GW/SH | | DG | W | T | M | 100 | | | | | | | 0.5 | 1 | | | | | | W | | |
| | | | | 66 | 67 | M | GW | | DG | W | T | M | 100 | | | | | | | 0.5 | 1 | 0.3 | | | W | | W | SE W | MNR CHERT. |
| | | | | 67 | 68 | M | GW | | DG | W | T | M | | | | | | | | | 0.5 | | | | | W | SE W | |
| CQ0535 | | | | 68 | 69 | F/M | SH/GW | | DG | W | T | M | | | | | | | | | 0.3 | | | | | W | SE W | |
| CQ0536 | | | | 69 | 70 | FM | GW | | DG | W | T | M | 100 | | | | | | | 0.5 | 0.2 | 0.3 | | | | W | SE W | END OF HOLE. | |

# DRILL HOLE SUMMARY SHEET

Zapopan NL

| HOLE NUM. | DP015 |
|---|---|
| Program | HORSESHOE |
| Prospect | HORSESHOE |
| Project | MT TODD |

## Weathering Data

| | | |
|---|---|---|
| Weathered -> Transition Depth: | 36 | m |
| Transition -> Fresh Depth: | — | m |
| Water Encountered At : | — | m |

## Hole Orientation and Design Data

| | Depth | Collar Orientation / Coordinates | | | | | Target / Reason for E.O.H. |
|---|---|---|---|---|---|---|---|
| | | Dip | Azimuth | Northing | Easting | R.L. | |
| Design | 70 | -60 | 270 | 15100 | 12600 | | Target |
| Actual | 70 | | | | | | |

## Drilling and Logging Data

| From | To | Contractor | Drilling Type | Drill Size | Rig Type | Logged By | Date Drilled | Comments |
|---|---|---|---|---|---|---|---|---|
| 0 | 70 | GADENS | RC | 5¼" | TYRE 450 | P.M. | 12\|12\|95 | |
| | | | | | | | | |
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## Downhole Survey Data

| Depth | Survey Values | | Comment | Grid Conversion | Final Survey Values | |
|---|---|---|---|---|---|---|
| | Dip | Mag.Azm | | | Dip | Grid Azm. |
| 6 | -61 | 265·5 | | +3·5 | -61 | 269 |
| 70 | -67 | 272 | | +3·5 | -67 | 275·5 |
| | | | | | | |
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| Intercept Summary | From (m) | To (m) | Length (m) | Grade (g/t) |
|---|---|---|---|---|
| min. intercept length : ____ m | | | | |
| min. waste inclusion : ____ m | | | | |
| assay cutoff : ____ g/t | | | | |
| intercept cutoff : ____ g/t | | | | |

| From (m) | To (m) | Length (m) | Grade (g |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

**General Comments :**

INITI

ASSAY DATA ENTERED
SURVEY DATA IN DATABASE
SURVEY DATA CHECKED

DP015 RC LOG

Logged By: P. Manouge.

| 3m Composit Sample # | Assay Data Au1 | Au2 | Au3 | From | To | Gr | Rock Code | Fab | Col | H20 | Wx | Rec | Sulphide Minerals Py | Ph | Cp | Ap | Ga | Sp | ? | Sul | FeOx | Veining Qtz | Cc | Other | Alteration Si | Cc | Cl | ? | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 0 | 1 | F | GW/SI | | P | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | MS |
| | | | | 1 | 2 | F | GW/SI | | P | D | W | H | | | | | | | | | 0.8 | | | | | | | CY | WM |
| CQ0488 | | | | 2 | 3 | FM | GW | | P | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | W |
| | | | | 3 | 4 | FM | GW | | PB | D | W | H | | | | | | | | | 1 | | | | | | | CY | W MNR CONTAMINATION. |
| | | | | 4 | 5 | M | GW | | PG | D | W | H | | | | | | | | | 1 | | | | | | | CY | W MNR SI. |
| CQ0489 | | | | 5 | 6 | M | GW | | P/G | D | W | H | | | | | | | | | 0.8 | | | | | | | CY | W |
| | | | | 6 | 7 | M | GW | | KG | D | W | H | | | | | | | | | 0.5 | | | | | | | | |
| | | | | 7 | 8 | M | GW | | KG | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | M |
| CQ0490 | | | | 8 | 9 | M | GW | | P/G | D | W | H | | | | | | | | | 0.8 | | | | | | | CY | W MNR SI. |
| | | | | 9 | 10 | FM | GW | | P | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | W MNR LM SI. |
| | | | | 10 | 11 | M | GW | | P | D | W | H | | | | | | | | | 0.3 | | | | | | | | |
| CQ0491 | | | | 11 | 12 | M | GW | | P | D | W | H | | | | | | | | | 0.5 | | | | | | | | |
| | | | | 12 | 13 | M | GW | | P | D | W | H | | | | | | | | | 1 | 0.5 | | | | | | | |
| | | | | 13 | 14 | M | GW | | P | D | W | H | | | | | | | | | 0.3 | | | | | | | | |
| CQ0492 | | | | 14 | 15 | F | GW/SI | | RB | D | W | H | | | | | | | | | 0.5 | | | | | | | | |
| | | | | 15 | 16 | FM | GW | | PB | D | W | H | | | | | | | | | 0.5 | | | | | | | | |
| | | | | 16 | 17 | M | GW | | P | D | W | H | | | | | | | | | 0.3 | | | | | | | | |
| CQ0493 | | | | 17 | 18 | F | GW/SI | LM1 | RB | D | W | H | | | | | | | | | 0.5 | | | | | | | | |
| | | | | 18 | 19 | FM | GW | | P/G | D | W | H | | | | | | | | | 0.8 | | | | | | | | |
| | | | | 19 | 20 | FM | GW | | P/B | D | W | H | | | | | | | | | 1 | | | | | | | | MNR LM SI? |
| CQ0494 | | | | 20 | 21 | F/M | GW/SI | BK2 | P/B | D | W | H | | | | | | | | | 2 | 0.3 | | | | | | | SI PHYLLITIC IP. |
| | | | | 21 | 22 | F/M | GW/SI | | P/B | D | W | H | | | | | | | | | 0.5 | | | | | | | | |
| | | | | 22 | 23 | F/M | GW/SI | LM2 | P/B | D | W | H | | | | | | | | | 0.8 | | | | | | | | |
| CQ0495 | | | | 23 | 24 | FM | GW | | P | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | W MNR SI. |
| | | | | 24 | 25 | FM | GW | | RB | D | W | H | | | | | | | | | 0.6 | | | | | | | | MNR PHYLLITIC SI. |
| | | | | 25 | 26 | FM | GW | | P | D | W | H | | | | | | | | | 0.3 | | | | | | | | |
| CQ0496 | | | | 26 | 27 | FM | GW | | P | D | W | H | | | | | | | | | 0.5 | | | | | | | | |
| | | | | 27 | 28 | FM | GW | | P | D | W | H | | | | | | | | | 0.3 | | | | | | | | |
| | | | | 28 | 29 | M | GW | | P | D | W | H | | | | | | | | | 0.5 | 1 | | | | | | | |
| CQ0497 | | | | 29 | 30 | M | GW | | P | D | W | H | | | | | | | | | 0.5 | 0.5 | | | | | | | |
| | | | | 30 | 31 | M | GW | | P | D | W | H | | | | | | | | | 0.5 | 1 | | | | | | | |
| | | | | 31 | 32 | M | GW | | P | D | W | H | | | | | | | | | 0.5 | 0.5 | | | | | | | |
| CQ0498 | | | | 32 | 33 | M | GW | | P/B | D | W | H | | | | | | | | | 0.5 | 0.2 | | | | | | | |
| | | | | 33 | 34 | FM | GW | | P | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | M VERY POWDERY. |
| | | | | 34 | 35 | FM | GW | | Y/P | D | W | H | | | | | | | | | 0.2 | | | | | | | CY | S AS ABOVE. |
| CQ0499 | | | | 35 | 36 | F | GW/SI | | Y | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | M AS ABOVE. |
| | | | | 36 | 37 | FM | GW | | G/Y | D | T | H | | | | | | | | | 0.3 | | | | | | | CY | W |
| | | | | 37 | 38 | FM | GW | | G/Y | D | T | H | | | | | | | | | 0.2 | | | | | | | CY | W/M |
| CQ0501 | | | | 38 | 39 | FM | GW | | G/B | D | T | H | | | | | | | | | 0.3 | | | | | | | CY | M |
| | | | | 39 | 40 | FM | GW | | G/B | D | T | H | | | | | | | | | 0.5 | | | | | | | CY | M |
| | | | | 40 | 41 | FM | GW | | G | D | T | H | | | | | | | | | 0.2 | | | | | | | CY | S |
| CQ0502 | | | | 41 | 42 | FM | GW | | DG | D | T | H | | | | | | | | | 0.2 | | | | | | | CY | S |
| | | | | 42 | 43 | FM | GW | | DG | D | T | H | | | | | | | | | 0.3 | | | | | | | CY | S |
| | | | | 43 | 44 | FM | GW | | DG | D | T | H | | | | | | | | | 0.3 | | | | | W | | CY | S |
| CQ0503 | | | | 44 | 45 | FM | GW | | DG | D | T | H | 100 | | | | | | | 0.1 | 0.2 | 0.2 | | | | W | | CY | W |
| | | | | 45 | 46 | FM | GW | | DG | D | T | H | | | | | | | | | 0.2 | | | | | W | | | |
| | | | | 46 | 47 | FM | GW | | DG | D | T | H | | | | | | | | | 0.3 | | | | | | | | |
| CQ0504 | | | | 47 | 48 | FM | GW | | DG | D | T | H | 100 | | | | | | | 0.1 | 0.2 | 0.1 | | | | | | SE | W |
| | | | | 48 | 49 | M | GW | | DG | D | T | H | | | | | | | | | 0.2 | | | | | W | | SE | W |
| | | | | 49 | 50 | M | GW | | G | D | T | H | | | | | | | | | 0.1 | | | | | W | | SE | W S CY ALTN. |
| CQ0505 | | | | 50 | 51 | FM | GW | | DG | D | T | H | 100 | | | | | | | 0.5 | | 0.5 | | | | W | | SE | W AS ABOVE. |
| | | | | 51 | 52 | FM | GW | | DG | D | T | H | | | | | | | | | | | | | | | | SE | W |

DP015 RC LOG

Logged By: P. Manouge.

| 3m Composit Sample # | Assay Data Au1 | Au2 | Au3 | From | To | Gr | Rock Code | Fab | Col | H20 | Wx | Rec | Sulphide Minerals Py | Ph | Cp | Ap | Ga | Sp | ? | Sul | FeOx | Veining Qtz | Cc | Alteration Other | Si | Cc | Cl | ? | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 51 | 52 | FM | GW | | DG | D | T | H | | | | | | | | | | | | | | | | SE | W | |
| | | | | 52 | 53 | FM | GW | | DG | D | T | H | | | | | | | | | | | | | | | | SE | W | |
| CQ0506 | | | | 53 | 54 | M | GW | | G | D | T | H | | | | | | | | | | | | | | | W | SE | W | MOD BLEACHING. |
| | | | | 54 | 55 | M | GW | | G | D | T | H | 100 | | | | | | | 0.2 | | | | | | W | SE | M | STRONGLY BLEACHED. |
| | | | | 55 | 56 | M | GW | | G | D | T | H | | | | | | | | | | | | | | W | SE | W | AS ABOVE. |
| CQ0507 | | | | 56 | 57 | MC | GW | | G | D | T | H | 100 | | | | | | | 0.3 | | | | | | W | SE | W | |
| | | | | 57 | 58 | C | GW | | G | D | T | H | 100 | | | | | | | 0.1 | | | | | | | SE | M | |
| | | | | 58 | 59 | C | GW | | G | D | T | H | | | | | | | | | | | | | | | SE | M | |
| CQ0508 | | | | 59 | 60 | FM | GW | | G | D | T | H | 95 | | 5 | | | | | 0.2 | | | | | | | SE | M | |
| | | | | 60 | 61 | M/C | GW | | G | D | T | H | | | | | | | | | | | | | | W | SE | M | |
| | | | | 61 | 62 | C | GW | | G | D | T | H | | | | | | | | | | | | | | | SE | M | |
| CQ0509 | | | | 62 | 63 | M | GW | | G | D | T | H | 100 | | | | | | | 0.2 | | | | | | | SE | M | |
| | | | | 63 | 64 | M | GW | | G | D | T | H | | | | | | | | | | | | | | | SE | M | |
| | | | | 64 | 65 | M | GW | | DG | D | T | H | | | | | | | | | | | | | | | SE | M | |
| CQ0510 | | | | 65 | 66 | M | GW | | G | D | T | H | 100 | | | | | | | 0.2 | | 1 | | M | | W | SE | W | |
| | | | | 66 | 67 | M | GW | | G | D | T | H | | | | | | | | | | 0.2 | | W | | W | SE | M | |
| | | | | 67 | 68 | M | GW | | G | D | T | H | | | | | | | | | | | | | | W | SE | M | |
| CQ0511 | | | | 68 | 69 | M | GW | | G | D | T | H | | | | | | | | | | | | | | | SE | M | |
| CQ0512 | | | | 69 | 70 | MC | GW | | G | D | T | H | | | | | | | | | 0.2 | | | | | | SE | M | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | SE | M | END OF HOLE. |

# DRILL HOLE SUMMARY SHEET

Z
Zapopan NL

| | |
|---|---|
| HOLE NUM. | DP014 |
| Program | HORSESHOE |
| Prospect | HORSESHOE |
| Project | MT TODD |

## Weathering Data

| | | |
|---|---|---|
| Weathered -> Transition Depth: | 30 | m |
| Transition -> Fresh Depth: | - | m |
| Water Encountered At : | 48 | m |

## Hole Orientation and Design Data

| | Depth | Collar Orientation / Coordinates | | | | | Target / Reason for E.O.H. |
|---|---|---|---|---|---|---|---|
| | | Dip | Azimuth | Northing | Easting | R.L. | |
| Design | 50 | 90 | - | 15200 | 12150 | | Target |
| Actual | 50 | | | | | | |

## Drilling and Logging Data

| From | To | Contractor | Drilling Type | Drill Size | Rig Type | Logged By | Date Drilled | Comments |
|---|---|---|---|---|---|---|---|---|
| 0 | 50 | GADENS | RC | 5 1/4" | TYPE 450 | P.M. | 12/12/95 | |
| | | | | | | | | |
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## Downhole Survey Data

| Depth | Survey Values | | Comment | Grid Conversion | Final Survey Values | |
|---|---|---|---|---|---|---|
| | Dip | Mag.Azm | | | Dip | Grid Azm. |
| NONE | | | | | | |
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| Intercept Summary | From (m) | To (m) | Length (m) | Grade (g/t) |
|---|---|---|---|---|
| min. intercept length : ____m | | | | |
| min. waste inclusion ____m | | | | |
| assay cutoff : ____g/t | | | | |
| intercept cutoff : ____g/t | | | | |

| From (m) | To (m) | Length (m) | Grade (g. |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

INIT

**General Comments :**

ASSAY DATA ENTERED
SURVEY DATA IN DATABASE
SURVEY DATA CHECKED

| Sample # | Assay Data Au1 | Au2 | Au3 | From | To | Gr | Rock Code | Fab | Col | H20 | Wx | Rec | Sulphide Minerals Py | Ph | Cp | Ap | Ga | Sp | ? | Sul | FeOx | Veining Qtz | Cc | Other | Alteration Si | Cc | Cl | ? | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 0 | 1 | F | GW/SI | | B | D | W | H | | | | | | | | | 0.5 | 0.3 | | | | | | | | |
| | | | | 1 | 2 | VFF | SI | LM1 | B/G | D | W | H | | | | | | | | | 0.8 | | | | | | | | | |
| CQ0471 | | | | 2 | 3 | VF | SI | | P/B | D | W | H | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | 3 | 4 | VF | SI | | P/B | D | W | H | | | | | | | | | 0.3 | | | | | | | | | |
| | | | | 4 | 5 | VF | SI | LM2 | P/B | D | W | H | | | | | | | | | 0.8 | | | | | | | | | |
| CQ0472 | | | | 5 | 6 | VF | SI | LM1 | P/B | D | W | H | | | | | | | | | 0.5 | 0.2 | | | | | | CY | W | |
| | | | | 6 | 7 | F | GW/SI | | P/B | D | W | H | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | 7 | 8 | VF | SI | LM1 | P/B | D | W | H | | | | | | | | | 0.3 | | | | | | | | | |
| CQ0473 | | | | 8 | 9 | VF | SI | | P/B | D | W | H | | | | | | | | | 0.3 | | | | | | | | | |
| | | | | 9 | 10 | VF | SI | LM1 | P/B | D | W | H | | | | | | | | | 0.3 | | | | | | | CY | W | |
| | | | | 10 | 11 | VF | SI | LM1 | P | D | W | H | | | | | | | | | 0.2 | | | | | | | | | |
| CQ0474 | | | | 11 | 12 | VF | SI | LM1 | RB | D | W | H | | | | | | | | | 0.2 | | | | | | | CY | W | |
| | | | | 12 | 13 | VF | SI | | RB | D | W | H | | | | | | | | | 0.3 | | | | | | | | | |
| | | | | 13 | 14 | FM | GW | | P | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | W | MNR SI. |
| CQ0475 | | | | 14 | 15 | FM | GW | | P/B | D | W | H | | | | | | | | | 0.3 | | | | | | | CY | W | VERY POWDERY. |
| | | | | 15 | 16 | FM | GW | | P/B | D | W | H | | | | | | | | | 0.8 | | | | | | | CY | W | AS ABOVE. |
| | | | | 16 | 17 | FM | GW | | P/B | D | W | H | | | | | | | | | 0.5 | 0.8 | | | | | | CY | W | AS ABOVE. |
| CQ0476 | | | | 17 | 18 | FM | GW | | P | D | W | H | | | | | | | | | 0.3 | | | | | | | | | |
| | | | | 18 | 19 | FM | GW | | P | D | W | H | | | | | | | | | 0.3 | 0.3 | | | | | | | | |
| | | | | 19 | 20 | FM | GW | | P/B | D | W | H | | | | | | | | | 0.3 | 0.2 | | | | | | | | |
| CQ0477 | | | | 20 | 21 | FM | GW | | P/B | D | W | H | | | | | | | | | 0.5 | 0.3 | | | | | | | | |
| | | | | 21 | 22 | FM | GW | | P/B | D | W | H | | | | | | | | | 0.3 | | | | | | | | | |
| | | | | 22 | 23 | FM | GW | | P/B | D | W | H | | | | | | | | | 0.3 | | | | | | | | | |
| CQ0478 | | | | 23 | 24 | FM | GW | | B | D | W | H | | | | | | | | | 0.2 | 0.2 | | | | | | | | |
| | | | | 24 | 25 | FM | GW | | B | D | W | H | | | | | | | | | 0.4 | 0.2 | | | | | | | | |
| | | | | 25 | 26 | FM | GW | | P | D | W | H | | | | | | | | | 0.2 | | | | | | | | | |
| CQ0479 | | | | 26 | 27 | FM | GW | | P | D | W | H | | | | | | | | | 0.2 | | | | | | | | | |
| | | | | 27 | 28 | FM | GW | | B/G | D | W | H | | | | | | | | | 0.3 | 0.2 | | | | | | | | |
| | | | | 28 | 29 | FM | GW | | G/B | D | W | H | | | | | | | | | 0.5 | 0.2 | | | | | | | | |
| CQ0480 | | | | 29 | 30 | FM | GW | | G/B | D | W | H | | | | | | | | | 0.3 | | | | | | | | | |
| | | | | 30 | 31 | FM | GW | | G | D | T | H | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | 31 | 32 | FM | GW | | G | D | T | H | | | | | | | | | 0.3 | | | | | | | SE | W | |
| CQ0481 | | | | 32 | 33 | M | GW | | G | D | T | H | | | | | | | | | 0.2 | | | | | | | SE | W | |
| | | | | 33 | 34 | M | GW | | G | D | T | H | | | | | | | | | 0.1 | | | | | | | SE | W | |
| | | | | 34 | 35 | M | GW | | G | D | T | H | | | | | | | | | 0.2 | | | | | | | SE | W | |
| CQ0482 | | | | 35 | 36 | FM | GW | | G | D | T | H | | | | | | | | | 0.2 | | | | | W | | SE | W | |
| | | | | 36 | 37 | FM | GW | BK1 | DG | D | T | H | 100 | | | | | | | 0.2 | 1 | 0.2 | | | | | SE | W | |
| | | | | 37 | 38 | FM | GW | BK1 | DG | D | T | H | 100 | | | | | | | 0.5 | 0.8 | | | | | | SE | W | |
| CQ0483 | | | | 38 | 39 | FM | GW | BK1 | DG | D | T | H | 100 | | | | | | | 0.2 | 1 | | | | | | SE | W | |
| | | | | 39 | 40 | FM | GW | BK1 | DG | D | T | H | | | | | | | | | 1 | 0.3 | | | | | W | SE | W | |
| | | | | 40 | 41 | FM | GW | | DG | D | T | H | 100 | | | | | | | 0.5 | 0.5 | 1 | | | | W | SE | W | |
| CQ0484 | | | | 41 | 42 | FM | GW | | DG | D | T | H | 100 | | | | | | | 0.6 | 0.5 | 0.8 | | | | W | SE | W | |
| | | | | 42 | 43 | FM | GW | | DG | D | T | H | 100 | | | | | | | 2 | 0.5 | 1 | | | | | SE | W | |
| | | | | 43 | 44 | FM | GW | | DG | D | T | H | 100 | | | | | | | 6 | 0.3 | 3 | | | | | SE | W | |
| CQ0485 | | | | 44 | 45 | FM | GW | | DG | D | T | H | 100 | | | | | | | 0.5 | 0.2 | 2 | | | | W | SE | W | |
| | | | | 45 | 46 | FM | GW | | DG | D | T | H | 100 | | | | | | | 0.2 | 0.1 | 0.2 | | | | W | SE | W | |
| | | | | 46 | 47 | M | GW | | DG | D | T | H | 100 | | | | | | | 0.2 | 0.1 | 0.2 | | | | W | SE | W | |
| CQ0486 | | | | 47 | 48 | FM | GW | | DG | D | T | H | 100 | | | | | | | 1 | 0.3 | 5 | | | | W | SE | W | |
| | | | | 48 | 49 | M | GW | | DG | M | T | H | 100 | | | | | | | 0.2 | 0.2 | 0.2 | | | | | SE | W | |
| CQ0487 | | | | 49 | 50 | M | GW | | DG | M | T | H | 100 | | | | | | | 0.3 | 0.2 | | | | | | SE | W | END OF HOLE. |

# DRILL HOLE SUMMARY SHEET

Zapopan NL

| HOLE NUM. | DP013 |
|---|---|
| Program | HORSESHOE |
| Prospect | HORSESHOE |
| Project | MT TODD |

## Weathering Data

| | | |
|---|---|---|
| Weathered -> Transition Depth: | 38 | m |
| Transition -> Fresh Depth: | - | m |
| Water Encountered At : | 34 | m |

## Hole Orientation and Design Data

| | Depth | Collar Orientation / Coordinates | | | | | Target / Reason for E.O.H. |
|---|---|---|---|---|---|---|---|
| | | Dip | Azimuth | Northing | Easting | R.L. | |
| Design | 50 | 90 | - | 15200 | 12175 | | Target |
| Actual | 50 | | | | | | |

## Drilling and Logging Data

| From | To | Contractor | Drilling Type | Drill Size | Rig Type | Logged By | Date Drilled | Comments |
|---|---|---|---|---|---|---|---|---|
| 0 | 50 | GADENS | RC | 5¼" | TYRE 450 | P.M. | 11/12/95<br>12/12/95 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

## Downhole Survey Data

| Depth | Survey Values | | Comment | Grid Conversion | Final Survey Values | |
|---|---|---|---|---|---|---|
| | Dip | Mag.Azm | | | Dip | Grid Azm. |
| NONE | | | | | | |
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| Intercept Summary | | From (m) | To (m) | Length (m) | Grade (g/t) |
|---|---|---|---|---|---|
| min. intercept length : | m | | | | |
| min. waste inclusion : | m | | | | |
| assay cutoff : | g/t | | | | |
| intercept cutoff : | g/t | | | | |

| From (m) | To (m) | Length (m) | Grade (g |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

**General Comments :**

INIT

ASSAY DATA ENTERED
SURVEY DATA IN DATABASE
SURVEY DATA CHECKED

| 3m Composit Sample # | Assay Data Au1 | Au2 | Au3 | From | To | Gr | Rock Code | Fab | Col | H20 | Wx | Rec | Sulphide Minerals Py | Ph | Cp | Ap | Ga | Sp | ? | Sul | FeOx | Veining Qtz | Cc | Other | Alteration Si | Cc | Cl | ? | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 0 | 1 | FM | GW | | LB | D | C | H | | | | | | | | | 0.5 | | | | | | | CY | S | |
| | | | | 1 | 2 | FM | GW | | LB | D | C | H | | | | | | | | | 0.3 | | | | | | | CY | S | |
| CQ0454 | | | | 2 | 3 | FM | GW | | LB | D | C | H | | | | | | | | | 0.3 | | | | | | | CY | S | |
| | | | | 3 | 4 | FM | GW | | LB | D | C | H | | | | | | | | | 0.2 | | | | | | | CY | S | |
| | | | | 4 | 5 | FM | GW | | LB | D | C | H | | | | | | | | | 0.2 | | | | | | | CY | M | |
| CQ0455 | | | | 5 | 6 | F | GW | | LB | D | C | H | | | | | | | | | 0.2 | | | | | | | CY | W | |
| | | | | 6 | 7 | F | GW | | B/LB | D | W | H | | | | | | | | | 0.3 | | | | | | | CY | W | |
| | | | | 7 | 8 | F | GW | | P/B | D | W | H | | | | | | | | | 0.2 | 0.2 | | | | | | CY | W | |
| CQ0456 | | | | 8 | 9 | F | GW | | P/B | D | W | H | | | | | | | | | 0.3 | | | | | | | CY | M | |
| | | | | 9 | 10 | F | GW | | P/B | D | W | H | | | | | | | | | 0.3 | 0.3 | | | | | | CY | M | |
| | | | | 10 | 11 | F | GW | | P/LB | D | W | H | | | | | | | | | 0.3 | | | | | | | CY | W | |
| CQ0457 | | | | 11 | 12 | FM | GW | | B | D | W | H | | | | | | | | | 0.5 | | | | | | | CY | W | |
| | | | | 12 | 13 | FM | GW | | B | D | W | H | | | | | | | | | 0.3 | | | | | | | CY | W | |
| | | | | 13 | 14 | FM | GW | | B | D | W | H | | | | | | | | | 0.2 | | | | | | | CY | M | |
| CQ0458 | | | | 14 | 15 | FM | GW | | P/B | D | W | H | | | | | | | | | 0.5 | 0.5 | | | | | | CY | W | |
| | | | | 15 | 16 | FM | GW | | P/B | D | W | H | | | | | | | | | 0.5 | 0.5 | | | | | | CY | W | |
| | | | | 16 | 17 | F | GW | | P/B | D | W | H | | | | | | | | | 0.3 | | | | | | | CY | W | |
| CQ0459 | | | | 17 | 18 | F | GW/SI | | B/P | D | W | H | | | | | | | | | 0.2 | | | | | | | | | |
| | | | | 18 | 19 | F | GW/SI | | B/P | D | W | H | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | 19 | 20 | F | SI | | PB | D | W | H | | | | | | | | | 0.3 | | | | | | | | | |
| CQ0460 | | | | 20 | 21 | FM | GW | | B | D | W | H | | | | | | | | | 0.3 | 0.2 | | | | | | | | |
| | | | | 21 | 22 | FM | GW | | B | D | W | H | | | | | | | | | 0.2 | | | | | | | | | |
| | | | | 22 | 23 | FM | GW | | P | D | W | H | | | | | | | | | 0.2 | | | | | | | | | |
| CQ0461 | | | | 23 | 24 | FM | GW | | P | D | W | H | | | | | | | | | 0.3 | | | | | | | | | |
| | | | | 24 | 25 | FM | GW | | P | D | W | H | | | | | | | | | 0.2 | | | | | | | | | |
| | | | | 25 | 26 | F | GW/SI | | P/B | D | W | H | | | | | | | | | 0.3 | | | | | | | | | |
| CQ0462 | | | | 26 | 27 | FM | GW | | B | D | W | H | | | | | | | | | 0.2 | | | | | | | | MNR Si. | |
| | | | | 27 | 28 | M | GW | | B | D | W | H | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | 28 | 29 | M | GW | | P | D | W | H | | | | | | | | | 0.5 | | | | | | | | | |
| CQ0463 | | | | 29 | 30 | FM | GW | | P | D | W | H | | | | | | | | | 0.8 | | | | | | | | | |
| | | | | 30 | 31 | FM | GW | | P | D | W | H | | | | | | | | | 0.8 | | | | | | | | | |
| | | | | 31 | 32 | M | GW | | P | D | W | H | | | | | | | | | 0.5 | | | | | | | | | |
| CQ0464 | | | | 32 | 33 | M | GW | | P | D | W | H | | | | | | | | | 0.8 | | | | | | | | | |
| | | | | 33 | 34 | FM | GW | | P | D | W | H | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | 34 | 35 | FM | GW | | PB | W | W | H | | | | | | | | | 0.3 | | | | | | | | | |
| CQ0465 | | | | 35 | 36 | FM | GW | | PB | D | W | H | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | 36 | 37 | FM | GW | | PB | D | W | H | | | | | | | | | 0.3 | | | | | | | | | |
| | | | | 37 | 38 | FM | GW | | PB | D | W | H | | | | | | | | | 0.5 | | | | | | | | | |
| CQ0466 | | | | 38 | 39 | FM | GW | | PB | D | T | H | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | 39 | 40 | FM | GW | | B/G | D | T | H | | | | | | | | | 0.8 | 1 | | | | | | SE | W | |
| | | | | 40 | 41 | FM | GW | BK1 | B/G | M | T | H | | | | | | | | | 1 | 5 | | | | W | | SE | W | |
| CQ0467 | | | | 41 | 42 | FM | GW | | G/B | D | T | H | | | | | | | | | 0.5 | 0.5 | | | | W | | SE | W | |
| | | | | 42 | 43 | FM | GW | | G | D | T | H | | | | | | | | | 0.2 | | | | | | | SE | WM | |
| | | | | 43 | 44 | FM | GW | | G | D | T | H | | | | | | | | | 0.1 | | | | | | | SE | W | |
| CQ0468 | | | | 44 | 45 | FM | GW | | G | D | T | H | | | | | | | | | 0.2 | 0.2 | | | | | | SE | W | |
| | | | | 45 | 46 | FM | GW | | G | D | T | H | 100 | | | | | | | 0.1 | 0.3 | | | | | | | SE | W | |
| | | | | 46 | 47 | FM | GW | | G | W | T | H | | | | | | | | | 0.2 | 2 | | | | W | | SE | W | |
| CQ0469 | | | | 47 | 48 | FM | GW | | G | M | T | H | | | | | | | | | 0.3 | | | | | | | SE | W | VERY POWDERY. |
| | | | | 48 | 49 | FM | GW | | G | D | T | H | | | | | | | | | 0.3 | 1 | | | | W | | SE | W | VERY POWDERY. |
| CQ0470 | | | | 49 | 50 | F | SH | | G | D | T | H | 95 | | | 5 | | | | 0.5 | 0.3 | | | | | | | | END OF HOLE. |

# APPENDIX 2

## RC DRILLHOLE ANALYSES

FACSIMILE REPORT

ASSAY CODE: AC 26378

Zapopan Exploration
Ref: 0597
Attn: NICK BURN/KEVIN SHUGG

59 Samples
Date: 24/12/95
Time: 07:33

Authorisation: Ray Wooldridge

| Analysis | Analytical Technique | Precision & Accuracy | Detection Limit | Data Units |
|---|---|---|---|---|
| Au | FA50 | Acc. ± 15% | 0.01 | ppm |
| Au(R) | FA50 | Acc. ± 15% | 0.01 | ppm |
| Cu | AAS/MA-3 | Prec. ± 10% | 1 | ppm |
| Pb | AAS/MA-3 | Prec. ± 10% | 2 | ppm |
| Zn | AAS/MA-3 | Prec. ± 10% | 1 | ppm |
| As | AAS/MA-3 | Prec. ± 10% | 1 | ppm |
| Ni | AAS/MA-3 | Prec. ± 10% | 2 | ppm |

DP013, 14, 15

| Sample | Au (ppm) | Au(R) (ppm) | Cu (ppm) | Pb (ppm) | Zn (ppm) | As (ppm) |
|---|---|---|---|---|---|---|
| CQ 0454 | 0.01 | | 25 | 33 | 116 | 45 |
| CQ 0455 | 0.06 | | 20 | 11 | 100 | 26 |
| CQ 0456 | 0.01 | <0.01 | 20 | 5 | 100 | 110 |
| CQ 0457 | 0.01 | | 21 | 10 | 91 | 94 |
| CQ 0458 | 0.09 | 0.03 | 24 | 12 | 121 | 120 |
| CQ 0459 | 0.01 | <0.01 | 18 | 7 | 89 | 130 |
| CQ 0460 | <0.01 | <0.01 | 39 | 14 | 101 | 110 |
| CQ 0461 | 0.03 | | 70 | 7 | 65 | 40 |
| CQ 0462 | 0.02 | | 31 | 10 | 78 | 73 |
| CQ 0463 | 0.11 | | 32 | 6 | 97 | 140 |
| CQ 0464 | 0.06 | | 43 | 7 | 75 | 310 |
| CQ 0465 | <0.01 | <0.01 | 24 | 6 | 78 | 88 |
| CQ 0466 | 0.01 | | 130 | 5 | 72 | 490 |
| CQ 0467 | 0.29 | 0.25 | 206 | 50 | 61 | 880 |
| CQ 0468 | 0.02 | | 51 | 11 | 49 | 65 |
| CQ 0469 | 0.09 | | 28 | 14 | 54 | 47 |
| CQ 0470 | <0.01 | <0.01 | 29 | 17 | 54 | 51 |
| CQ 0471 | 0.04 | | 48 | 26 | 159 | 350 |
| CQ 0472 | 0.06 | | 38 | 39 | 145 | 69 |
| CQ 0473 | 0.05 | | 55 | 90 | 227 | 106 |
| CQ 0474 | <0.01 | | 34 | 90 | 158 | 31 |
| CQ 0475 | <0.01 | <0.01 | 31 | 109 | 239 | 39 |
| CQ 0476 | <0.01 | | 23 | 189 | 236 | 94 |
| CQ 0477 | 0.07 | | 23 | 119 | 234 | 46 |
| CQ 0478 | <0.01 | <0.01 | 19 | 38 | 110 | 14 |

| Sample | Ni (ppm) |
|---|---|
| CQ 0454 | 27 |
| CQ 0455 | 29 |
| CQ 0456 | 21 |
| CQ 0457 | 25 |
| CQ 0458 | 26 |
| CQ 0459 | 27 |
| CQ 0460 | 23 |
| CQ 0461 | 27 |
| CQ 0462 | 21 |
| CQ 0463 | 26 |
| CQ 0464 | 20 |
| CQ 0465 | 26 |
| CQ 0466 | 15 |
| CQ 0467 | 10 |
| CQ 0468 | 15 |
| CQ 0469 | 15 |
| CQ 0470 | 17 |
| CQ 0471 | 30 |
| CQ 0472 | 21 |
| CQ 0473 | 33 |
| CQ 0474 | 23 |
| CQ 0475 | 23 |
| CQ 0476 | 17 |
| CQ 0477 | 27 |
| CQ 0478 | 23 |

| Sample | Au (ppm) | Au(R) (ppm) | Cu (ppm) | Pb (ppm) | Zn (ppm) | As (ppm) |
|---|---|---|---|---|---|---|
| CQ 0479 | <0.01 | | 17 | 8 | 75 | 17 |
| CQ 0480 | <0.01 | | 18 | 10 | 58 | 13 |
| CQ 0481 | 0.01 | <0.01 | 22 | 10 | 70 | 10 |
| CQ 0482 | <0.01 | 0.01 | 12 | 13 | 79 | 10 |
| CQ 0483 | 0.04 | | 544 | 240 | 112 | 570 |
| CQ 0484 | <0.01 | | 39 | 119 | 104 | 24 |
| CQ 0485 | 0.38 | 0.33 | 100 | 600 | 602 | 4460 |
| CQ 0486 | 0.06 | | 52 | 168 | 293 | 130 |
| CQ 0487 | <0.01 | | 35 | 45 | 85 | 44 |
| CQ 0488 | 0.10 | 0.07 | 227 | 24 | 95 | 550 |
| CQ 0489 | 1.54 | 1.36 | 415 | 103 | 156 | 540 |
| CQ 0490 | 0.07 | | 72 | 20 | 33 | 47 |
| CQ 0491 | <0.01 | | 82 | 13 | 51 | 31 |
| CQ 0492 | 0.01 | 0.01 | 37 | 4 | 75 | 22 |
| CQ 0493 | <0.01 | | 21 | <2 | 59 | 64 |
| CQ 0494 | 0.14 | | 134 | 15 | 124 | 770 |
| CQ 0495 | 0.09 | | 85 | 13 | 132 | 450 |
| CQ 0496 | 0.13 | | 25 | 7 | 53 | 57 |
| CQ 0497 | 0.04 | | 22 | 6 | 45 | 85 |
| CQ 0498 | 0.04 | | 17 | 7 | 45 | 20 |
| CQ 0499 | <0.01 | <0.01 | 19 | 7 | 69 | 87 |
| CQ 0500 | << Sample not received >> | | | | | |
| CQ 0501 | 0.05 | | 24 | 7 | 71 | 29 |
| CQ 0502 | 0.09 | | 21 | 4 | 65 | 13 |
| CQ 0503 | <0.01 | <0.01 | 22 | 4 | 63 | 8 |

| Sample | Ni (ppm) |
|---|---|
| CQ 0479 | 20 |
| CQ 0480 | 23 |
| CQ 0481 | 18 |
| CQ 0482 | 19 |
| CQ 0483 | 26 |
| CQ 0484 | 23 |
| CQ 0485 | 37 |
| CQ 0486 | 24 |
| CQ 0487 | 15 |
| CQ 0488 | 26 |
| CQ 0489 | 28 |
| CQ 0490 | 4 |
| CQ 0491 | 15 |
| CQ 0492 | 26 |
| CQ 0493 | 19 |
| CQ 0494 | 30 |
| CQ 0495 | 25 |
| CQ 0496 | 20 |
| CQ 0497 | 19 |
| CQ 0498 | 18 |
| CQ 0499 | 22 |
| CQ 0500 | << Sample not received >> |
| CQ 0501 | 32 |
| CQ 0502 | 17 |
| CQ 0503 | 26 |

| Sample | Au (ppm) | Au(R) (ppm) | Cu (ppm) | Pb (ppm) | Zn (ppm) | As (ppm) |
|---|---|---|---|---|---|---|
| CQ 0504 | <0.01 | | 19 | 5 | 79 | 6 |
| CQ 0505 | << Sample not received >> | | | | | |
| CQ 0506 | << Sample not received >> | | | | | |
| CQ 0507 | << Sample not received >> | | | | | |
| CQ 0508 | << Sample not received >> | | | | | |
| CQ 0509 | << Sample not received >> | | | | | |
| CQ 0510 | << Sample not received >> | | | | | |
| CQ 0511 | << Sample not received >> | | | | | |
| CQ 0512 | << Sample not received >> | | | | | |

| Sample | Ni (ppm) |
|---|---|
| CQ 0504 | 20 |
| CQ 0505 | << Sample not received >> |
| CQ 0506 | << Sample not received >> |
| CQ 0507 | << Sample not received >> |
| CQ 0508 | << Sample not received >> |
| CQ 0509 | << Sample not received >> |
| CQ 0510 | << Sample not received >> |
| CQ 0511 | << Sample not received >> |
| CQ 0512 | << Sample not received >> |

ASSAYCORP PTY LTD
A.C.N. 052 982 911
174 Ward Street, Pine Creek, N.T. 0847
P.O. Box 41, Pine Creek, N.T. 0847
Telephone (089) 76 1262
Facsimile (089) 76 1310

**ASSAY CODE: AC 26394**

Zapopan Exploration
PO BOX 718
WEST PERTH 6872

Distribution
***NICK BURN/KEVIN SHUGG***

Client Reference: 0599
Project :
Cost Code:

Date Received: 14/12/95
Number of Samples: 25

Sample Preparation

| Analysis | Analytical Technique | Precision & Accuracy | Detection Limit | Data Units |
|---|---|---|---|---|
| Au | FA50 | Acc. ± 15% | 0.01 | ppm |
| Au(R) | FA50 | Acc. ± 15% | 0.01 | ppm |
| Cu | AAS/MA-3 | Prec. ± 10% | 1 | ppm |
| Pb | AAS/MA-3 | Prec. ± 10% | 2 | ppm |
| Zn | AAS/MA-3 | Prec. ± 10% | 1 | ppm |
| As | AAS/MA-3 | Prec. ± 10% | 1 | ppm |
| Ni | AAS/MA-3 | Prec. ± 10% | 2 | ppm |

DP016

Authorisation: Ray Wooldridge
Report Dated: 23/12/95

ASSAYCORP PTY LTD
A.C.N. 052 082 911
174 Ward Street, Pine Creek, N.T. 0847
P.O. Box 41, Pine Creek, N.T. 0847
Telephone (089) 76 1262
Facsimile (089) 76 1310

**ASSAY CODE: AC 26394**



| Sample | Au (ppm) | Au(R) (ppm) | Cu (ppm) | Pb (ppm) | Zn (ppm) | As (ppm) | Ni (ppm) |
|---|---|---|---|---|---|---|---|
| CQ0512 | << Sample not received >> | | | | | | |
| CQ0513 | 0.01 | 0.03 | 89 | 130 | 116 | 460 | 30 |
| CQ0514 | <0.01 | <0.01 | 168 | 23 | 156 | 170 | 43 |
| CQ0515 | <0.01 | | 215 | 19 | 141 | 300 | 38 |
| CQ0516 | <0.01 | | 203 | 13 | 76 | 450 | 24 |
| CQ0517 | <0.01 | | 121 | 8 | 44 | 470 | 14 |
| CQ0518 | <0.01 | | 142 | 6 | 43 | 700 | 13 |
| CQ0519 | <0.01 | | 88 | 6 | 23 | 470 | 7 |
| CQ0520 | 8.28 8.01 | 7.74 | 106 | 311 | 38 | 1300 | 5 |
| CQ0521 | 2.06 1.98 | 1.90 | 127 | 84 | 38 | 1140 | 5 |
| CQ0522 | 0.36 | | 111 | 27 | 25 | 520 | 11 |
| CQ0523 | 0.28 | | 186 | 125 | 40 | 1310 | 9 |
| CQ0524 | 0.13 | | 316 | 1290 | 60 | 1710 | 10 |
| CQ0525 | 0.24 | | 232 | 455 | 49 | 1510 | 10 |
| CQ0526 | 4.75 4.57 | 4.39 | 3650 | 781 | 49 | 1.30% | 23 |
| CQ0527 | 13.4 14.25 | 15.1 | 2960 | 280 | 87 | 2.90% | 33 |
| CQ0528 | 1.26 1.28 | 1.30 | 457 | 112 | 60 | 2550 | 24 |
| CQ0529 | 0.81 0.87 | 0.94 | 267 | 51 | 60 | 1890 | 24 |
| CQ0530 | 1.03 1.08 | 1.14 | 337 | 106 | 91 | 4070 | 19 |
| CQ0531 | 0.34 | | 132 | 52 | 70 | 1210 | 22 |
| CQ0532 | 0.44 | | 215 | 86 | 62 | 1410 | 16 |
| CQ0533 | 0.26 | 0.26 | 116 | 65 | 62 | 560 | 25 |
| CQ0534 | 0.39 | 0.38 | 172 | 69 | 83 | 870 | 24 |
| CQ0535 | 0.17 | | 99 | 37 | 68 | 370 | 24 |
| CQ0536 | 0.15 | 0.14 | 60 | 29 | 61 | 100 | 19 |

5m @ 4.41

FACSIMILE REPORT

ASSAY CODE: AC 26438

Zapopan Exploration
Ref: 602
Attn: NICK BURN/KEVIN SHUGG

76 Samples
Date: 28/12/95
Time: 13:04

Authorisation: Ray Wooldridge

| Analysis | Analytical Technique | Precision & Accuracy | Detection Limit | Data Units |
|---|---|---|---|---|
| Au | FA50 | Acc. ± 15% | 0.01 | ppm |
| Au(R) | FA50 | Acc. ± 15% | 0.01 | ppm |
| Cu | AAS/MA-3 | Prec. ± 10% | 1 | ppm |
| Pb | AAS/MA-3 | Prec. ± 10% | 2 | ppm |
| Zn | AAS/MA-3 | Prec. ± 10% | 1 | ppm |
| As | AAS/MA-3 | Prec. ± 10% | 1 | ppm |
| Ni | AAS/MA-3 | Prec. ± 10% | 2 | ppm |

DPO17, 18, 19, 20

| Sample | Au (ppm) | Au(R) (ppm) | Cu (ppm) | Pb (ppm) | Zn (ppm) | As (ppm) |
|---|---|---|---|---|---|---|
| BQ02147 | <0.01 | | 50 | 6 | 69 | 100 |
| BQ02148 | <0.01 | | 51 | 4 | 77 | 360 |
| BQ02149 | 0.02 | <0.01 | 95 | 2 | 58 | 180 |
| BQ02150 | <0.01 | <0.01 | 43 | 2 | 50 | 40 |
| BQ02151 | <0.01 | | 31 | <2 | 51 | 57 |
| BQ02152 | <0.01 | | 25 | <2 | 94 | 380 |
| BQ02153 | <0.01 | | 23 | 8 | 75 | 350 |
| BQ02154 | <0.01 | | 47 | 10 | 90 | 310 |
| BQ02155 | <0.01 | | 17 | 3 | 46 | 41 |
| BQ02156 | <0.01 | | 14 | 3 | 47 | 14 |
| BQ02157 | <0.01 | | 18 | 2 | 54 | 21 |
| BQ02158 | 0.01 | <0.01 | 22 | <2 | 64 | 30 |
| BQ02159 | <0.01 | <0.01 | 21 | <2 | 48 | 24 |
| BQ02160 | <0.01 | | 20 | <2 | 73 | 19 |
| BQ02161 | <0.01 | <0.01 | 20 | <2 | 81 | 150 |
| BQ02162 | <0.01 | | 12 | 2 | 45 | 7 |
| BQ02163 | <0.01 | | 19 | 3 | 60 | 4 |
| BQ02164 | <0.01 | | 16 | 4 | 50 | 4 |
| BQ02165 | <0.01 | | 62 | 3 | 43 | 14 |
| BQ02166 | <0.01 | <0.01 | 41 | <2 | 76 | 18 |
| BQ02167 | 0.04 | 0.04 | 15 | 4 | 47 | 7 |
| BQ02168 | <0.01 | | 22 | 2 | 76 | 7 |
| BQ02169 | <0.01 | | 20 | <2 | 63 | 5 |
| BQ02170 | 0.03 | <0.01 | 19 | <2 | 58 | 4 |
| BQ02171 | <0.01 | | 52 | 14 | 78 | 90 |

| Sample | Ni (ppm) |
|---|---|
| BQ02147 | 24 |
| BQ02148 | 32 |
| BQ02149 | 19 |
| BQ02150 | 20 |
| BQ02151 | 25 |
| BQ02152 | 28 |
| BQ02153 | 24 |
| BQ02154 | 24 |
| BQ02155 | 18 |
| BQ02156 | 20 |
| BQ02157 | 220 |
| BQ02158 | 20 |
| BQ02159 | 24 |
| BQ02160 | 24 |
| BQ02161 | 27 |
| BQ02162 | 18 |
| BQ02163 | 23 |
| BQ02164 | 21 |
| BQ02165 | 25 |
| BQ02166 | 26 |
| BQ02167 | 8 |
| BQ02168 | 20 |
| BQ02169 | 22 |
| BQ02170 | 21 |
| BQ02171 | 10 |

| Sample | Au (ppm) | Au(R) (ppm) | Cu (ppm) | Pb (ppm) | Zn (ppm) | As (ppm) |
|---|---|---|---|---|---|---|
| BQ02172 | <0.01 | | 58 | 14 | 101 | 110 |
| BQ02173 | <0.01 | | 41 | 6 | 89 | 63 |
| BQ02174 | <0.01 | | 28 | 3 | 58 | 18 |
| BQ02175 | <0.01 | | 27 | <2 | 47 | 12 |
| BQ02176 | 0.03 | <0.01 | 40 | 5 | 77 | 17 |
| BQ02177 | <0.01 | | 42 | <2 | 167 | 8 |
| BQ02178 | <0.01 | | 25 | 2 | 62 | 34 |
| BQ02179 | <0.01 | <0.01 | 31 | 6 | 97 | 310 |
| BQ02180 | << Sample not received >> | | | | | |
| BQ02181 | <0.01 | | 27 | <2 | 88 | 71 |
| BQ02182 | <0.01 | | 34 | 6 | 91 | 39 |
| BQ02183 | <0.01 | <0.01 | 33 | 5 | 84 | 73 |
| BQ02184 | <0.01 | | 31 | 2 | 118 | 170 |
| BQ02185 | <0.01 | | 17 | 6 | 116 | 150 |
| BQ02186 | <0.01 | | 15 | <2 | 69 | 10 |
| BQ02187 | <0.01 | <0.01 | 24 | 6 | 114 | 38 |
| BQ02188 | 0.02 | | 39 | 11 | 113 | 85 |
| BQ02189 | <0.01 | | 52 | <2 | 97 | 150 |
| BQ02190 | 0.08 | 0.06 | 55 | 7 | 77 | 180 |
| BQ02191 | 0.09 | 0.08 | 50 | 6 | 69 | 310 |
| BQ02192 | 0.13 | 0.08 | 54 | 34 | 72 | 360 |
| BQ02193 | 0.02 | 0.03 | 89 | 24 | 102 | 410 |
| BQ02194 | 0.36 | 0.32 | 143 | 321 | 83 | 500 |
| BQ02195 | 0.01 | | 96 | 26 | 53 | 240 |
| BQ02196 | <0.01 | | 79 | 2 | 65 | 330 |

| Sample | Ni (ppm) |
|---|---|
| BQ02172 | 17 |
| BQ02173 | 21 |
| BQ02174 | 13 |
| BQ02175 | 17 |
| BQ02176 | 22 |
| BQ02177 | 45 |
| BQ02178 | 18 |
| BQ02179 | 27 |
| BQ02180 | << Sample not received >> |
| BQ02181 | 32 |
| BQ02182 | 26 |
| BQ02183 | 24 |
| BQ02184 | 25 |
| BQ02185 | 24 |
| BQ02186 | 21 |
| BQ02187 | 29 |
| BQ02188 | 28 |
| BQ02189 | 33 |
| BQ02190 | 17 |
| BQ02191 | 16 |
| BQ02192 | 15 |
| BQ02193 | 13 |
| BQ02194 | 10 |
| BQ02195 | 20 |
| BQ02196 | 22 |

| Sample | Au (ppm) | Au(R) (ppm) | Cu (ppm) | Pb (ppm) | Zn (ppm) | As (ppm) |
|---|---|---|---|---|---|---|
| BQ02197 | <0.01 | | 83 | 3 | 82 | 430 |
| BQ02198 | <0.01 | | 44 | 4 | 65 | 91 |
| BQ02199 | <0.01 | | 52 | <2 | 78 | 110 |
| BQ02200 | <0.01 | | 23 | 4 | 81 | 53 |
| BQ02201 | <0.01 | | 33 | 5 | 77 | 97 |
| BQ02202 | <0.01 | <0.01 | 19 | 4 | 85 | 54 |
| BQ02203 | <0.01 | | 7 | <2 | 85 | 38 |
| BQ02204 | <0.01 | | 17 | <2 | 125 | 104 |
| BQ02205 | <0.01 | | 11 | <2 | 120 | 79 |
| BQ02206 | <0.01 | <0.01 | 19 | <2 | 73 | 38 |
| BQ02207 | <0.01 | | 21 | <2 | 77 | 88 |
| BQ02208 | <0.01 | | 22 | <2 | 72 | 100 |
| BQ02209 | <0.01 | | 16 | <2 | 71 | 52 |
| BQ02210 | <0.01 | | 29 | 10 | 73 | 120 |
| BQ02211 | 0.02 | | 46 | 19 | 96 | 410 |
| BQ02212 | 0.01 | | 56 | 19 | 76 | 300 |
| BQ02213 | 0.01 | | 41 | 16 | 68 | 300 |
| BQ02214 | 0.03 | <0.01 | 58 | 24 | 71 | 420 |
| BQ02215 | <0.01 | | 42 | <2 | 64 | 180 |
| BQ02216 | <0.01 | | 95 | <2 | 69 | 360 |
| BQ02217 | <0.01 | <0.01 | 25 | <2 | 53 | 30 |
| BQ02218 | <0.01 | | 31 | <2 | 81 | 100 |
| BQ02219 | 0.13 | 0.12 | 373 | 83 | 125 | 180 |
| BQ02220 | 0.42 | 0.36 | 1010 | 49 | 79 | 210 |
| BQ02221 | 0.32 | 0.28 | 375 | 66 | 273 | 2410 |

| Sample | Ni (ppm) |
|---|---|
| BQ02197 | 25 |
| BQ02198 | 20 |
| BQ02199 | 17 |
| BQ02200 | 20 |
| BQ02201 | 23 |
| BQ02202 | 20 |
| BQ02203 | 18 |
| BQ02204 | 22 |
| BQ02205 | 18 |
| BQ02206 | 33 |
| BQ02207 | 25 |
| BQ02208 | 21 |
| BQ02209 | 23 |
| BQ02210 | 24 |
| BQ02211 | 22 |
| BQ02212 | 19 |
| BQ02213 | 15 |
| BQ02214 | 20 |
| BQ02215 | 19 |
| BQ02216 | 18 |
| BQ02217 | 16 |
| BQ02218 | 22 |
| BQ02219 | 19 |
| BQ02220 | 24 |
| BQ02221 | 22 |

| Sample | Au (ppm) | Au(R) (ppm) | Cu (ppm) | Pb (ppm) | Zn (ppm) | As (ppm) |
|---|---|---|---|---|---|---|
| BQ02222 | 0.19 | | 92 | 26 | 114 | 4000 |

| Sample | Ni (ppm) |
|---|---|
| BQ02222 | 25 |

15 500N

15 000N

11500E

12000E

12500E

13000E

EXTENSION OF THE ENLARGED

NUMEROUS SHALLOW DIGGINGS

HORSESHOE TIN FIELD

ALLUVIAL WORKINGS

ALLUVIAL WORKINGS

diggings along bedding plane.

stkwk

(5-10)

70

80

stkwk

72

60

(10-30)

g

(10-30)

stkwk

75

shallow diggings

78

60

54

42

stkwk

g(30)

73

fine wk stockwork

HORSESHOE

52

ALLUVIAL WORKINGS

CREEK

55

60

stk

stk

(200)

shallow diggings

(15)

g

irreg g stkwk + breccia

irreg g+g stkwk + breccia

shallow diggings

52

g

g stkwk

g stkwk

g(10-20)

g stkwk

68

SCALE

0 100 200

METRES

1:2000

GEOLOGICAL BOUNDARY

TREND LINE (OBSERVED)

TREND LINE (INFERRED)

STRIKE AND DIP OF BEDDING

STRIKE AND DIP OF CLEAVAGE

QUARTZ VEIN (OVER 100 cm)

QUARTZ VEIN (UNDER 100 cm)

(200) QUARTZ + GOSSAN BRECCIA VEIN (OVER 10 cm. WIDTH IN CMS)

85 QUARTZ + GOSSAN VEIN SET (VEINS UNDER 10 cm)

CROSS FOLD SYNCLINE (F2)

A

GEOLOGICAL MAP

OF THE

HORSESHOE PROSPECT FIGURE 3

MAPPING BY R.W. MARJORIBANKS FOR ZAPOPAN N.L. NOV '94

CR96/266

191000mE

8440000mN

HRB084 HRB085 HRB086 HRB087 HRB088 HRB090 HRB091 HRB092 HRB093 HRB094

HRB053 HRB054 HRB055 HRB056 HRB057 HRB058 HRB060 HRB061 HRB062 HRB063 HRB064 HRB065 HRB066 HRB067 HRB068 HRB069 HRB070 HRB071 HRB072 HRB073 HRB074 HRB075 HRB076 HRB077 HRB078 HRB079 HRB080

DP015 DP016 DP017

HRB042 HRB043 HRB044 HRB045 HRB046 HRB047 HRB048 HRB049 HRB050 HRB051 HRB052

HRB033 HRB034 HRB035 HRB036 HRB037 HRB038 HRB039 HRB040 HRB041

191000mE

CR96/266

Plotted with MICROMINE
Resources Software
Perth, Australia
Tel +61 9 389 8722
Fax +61 9 386 7462

RAB Drillhole
RC Drillhole

| Scale | DATE | SHEET |
|---|---|---|
| 1:2500 | 15/02/96 | 1 of 1 |
| | REF No. 1 | |

0 100m

EL7635 Horseshoe
Drillhole Location

PEGASUS GOLD AUSTRALIA
NT Exploration
Mt Todd

Fig 5.