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99_4371

vol 1 of 2

DEFIANCE MINING NL

A.C.N. 009161522

ANNUAL REPORT FOR THE PERIOD

2 OCTOBER 1998 TO 1 OCTOBER 1999

FOR ML 43M/89 – MATHINNA

Report No : Def 082D
Date due : 1 September 1999
Author : DG Jackson
Accepted By: AG Keogh
Signature :
Copies : Defiance Mining (1)
: Connemarra Gold Mines (1)
: Mineral Resources Tasmania (1)

99_4371

Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G. ML43M/89

vol 1 of 2

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1. Summary

Defiance Mining NL are exploring ML 43M/89 and a number of other tenements at Mathinna in Joint Venture with Connemarra Gold Mines Pty Ltd, a wholly owned subsidiary of the Mining Contractor, Barminco Pty Ltd.

The targets are high-grade gold bearing reefs containing more than 50,000 ozs and similar in style to the Main and Loanes Reefs at the New Golden Gate Mine.

Since the Joint Venture was signed in September 1998, Defiance has mainly concentrated its field program within 43M/89.

Work completed in ML 43M/89 during the reporting period has included:

- Drilling of 45 RC percussion holes (4246.5m) in the vicinity of the New Golden Gate Mine.
- Entering historical geochemical data from Resolute Samantha Limited into a digital data base and processing the data in a GIS package, at a variety of scales, as both images and dot plans.
- Obtaining regional airborne geophysical data from Mineral Resources Tasmania and having it processed into images by Southern Geoscience Consultants.
- Evaluation of all the available historical data within the tenement and selection of a number of targets for further work.
- Purchasing geological and topographical data in digital form to enhance map production.
- Obtaining detailed survey control in the vicinity of main drilling program.

2. Introduction

ML 43M/89 "Mathinna", of 27ha, is centred approximately one km to the south-south-east of the township of Mathinna which is approximately 65 km east of Launceston. The licence, now nearing its tenth birthday, is due for renewal on 1 October 1999.

The tenement is held in the name of Connemarra Gold Mines Pty Ltd. Defiance Mining NL has signed a joint venture with Connemarra, whereby it can earn a 50% equity in this and other associated tenements, by spending $1 million on exploration for high-grade gold reefs. Resolute Samantha Ltd and Alex White have previously held the ground.

The licence is mostly State Forest, however approximately 5ha in the north-eastern corner of the tenement falls within the Mathinna town boundary. Access is generally excellent with a sealed road to Launceston.

3. Conclusions and Recommendations

- RC percussion drilling has located two new gold bearing quartz-sulphide reefs in the vicinity of the New Golden Gate mine at Mathinna. These reefs called Dylan's Reef and Sophie's Reef, sub-crop under the old tailings dump.

- Sophie's Reef has a north-south strike and dips steeply to the east at about 80 degrees. It has been traced down to 100m depth over about 130m of strike and is intermittently mineralised with gold. Most of the better intersections are in the deeper holes. The Sophie's Reef structure appears to be a continuation of the Main Reef that was one of the main historical producers at the New Golden Gate mine.

- Dylan's Reef has a north-easterly strike and a moderate-steep dip to the south-east. It has a strike of up to 100m and appears to be a splay off Sophie's Reef.

- Drilling at the previously known Central Reef has also intersected a number of excellent gold bearing intersections over 80m of strike. The reef appears to be a composite of a number of shallow east dipping, quartz-sulphide+/-gold rich zones.

- Further RC and core holes are proposed to test Dylan's, Sophie's and Central Reefs in the interval 100m to 200m from surface. This depth range was the most productive from the historically mined Loane's and Main Reefs.

- Indications of additional reefs have also been intersected in several holes and Sophie's Reef is still open along strike to the north and its relationship with Loane's and Main Reefs at its southern end is still uncertain. These targets should be followed up with additional RC drilling.

4. Geology

ML 43M/89 lies near the southern end of the 90-km long, north-north-west trending, line of gold deposits that extend from Mangana in the south to Lyndhurst on the north coast.

The gold deposits occur as auriferous quartz reefs, hosted in the Mathinna Beds, a folded sequence of Silurian-Ordovician age sediments. The Mathinna beds are intruded by younger, Devonian-Carboniferous age granites and are in part overlain by Permo-Triassic glacial marine sediments, Jurassic dolerites and Tertiary basalts.

The gold bearing veins are structurally controlled and occur in a range of orientations and forms within zones of shearing and tectonic deformation. Typical vein features are:

Width	0.1-1.0m	up to 10m
Length	10-100m	up to 350m
Depth	<100m	up to 580m

Grade	15-30g/t	cut off 10g/t
Strike	variable	NW to NE dominant
Dip	typically steep	70-80°
Mineralogy	quartz, arsenopyrite, pyrite	minor galena, chalcopyrite, sphalerite

This overall geological setting is very similar to the high grade, quartz vein style mineralisation in the slate belts of central and eastern Victoria which have historical production of approximately 80Mozs.

5. Summary of Previous Exploration

The first gold discovery in Tasmania was made at Mangana in 1852. As exploration extended to the north, further discoveries were made in the Lyndhurst-Mangana belt (including a number in Mathinna ML 43M/89) and at Lisle, Lefroy and Beaconsfield.

In this first phase of mining, production peaked sometime prior to 1884. In the Lyndhurst-Mangana zone, activity was concentrated on the southern section between Mangana and Alberton within a 70km by 5km belt of deformed sediments.

In about 1887, after the first phase of mining had largely been completed, a Mr A Loane discovered a reef (Loane's Reef) in the abandoned adit of the Golden Gate mine. Sinking of a shaft to evaluate this reef discovered an additional reef (Main Reef). These two reefs were subsequently mined down to about 280m depth and probably each produced somewhere between 50,000 and 100,000 ozs.

Further exploration at depth below, and adjacent to, these reefs discovered a further two reefs (East and West Reefs) which were mined from 250-470m depth. The New Golden Gate Shaft was subsequently extended to 549m.

The bulk of the 265,000 ozs of gold from the New Golden Gate mine was produced in the years 1888 to 1904. Intermittent production occurred through to 1929 when the workings were finally abandoned. New Golden gate production represents approximately 16% of Tasmania's historical production.

Early mills were generally simple stamp and gravity mills, which recovered most of the coarse free gold, but gold associated with sulphides was lost. The New Golden Gate mill experimented with cyanide extraction of their sulphides with limited success.

An important feature of the area is that many of the quartz veins never outcropped and were only discovered during underground development aimed at other veins.

Modern day exploration activity has seen a number of companies hold tenure over the New Golden Gate mine and other mines in the Mathinna-Tower Hill-Mangana area, however, very few have carried out drilling programs in the area of the old mines.

Of the two more comprehensive programs, prior to the recent Defiance program, Epoch Minerals had a best intersection of 8m at 10.7g/t gold in the Central Reef at the New Golden Gate mine and Resolute Samantha Limited had best intersections of 7m at

2.4g/t gold in Mathinna township and 6m at 1.9g/t gold at the old Jubilee workings in the current Tower Hill EL 3/97. For both companies the target was shallow, large tonnage, open pit gold resources and because these did not look achievable, the programs were not continued.

A large number of old workings remain untested by drilling.

A more detailed summary of historical exploration is available in MacDonald (1996)

6. Summary of Work Completed

6.1 Soil Geochemical Data

Resolute Samantha Ltd collected 36 soil and auger samples over Mathinna ML 43M/89 while they held tenure. These samples were collected at 100m by 50m spacing with 50m by 25m infill in anomalous zones. They were analysed at Minlabs in Perth WA for Au by fire assay (AAS finish) with a 50g charge and a detection limit of 1ppb and for As by perchloric acid digest and AAS with a 10ppm detection limit.

After ascertaining that Resolute did not have the data in digital form Defiance arranged to have it entered into a digital database (Appendix 1 - Excel 97 spreadsheet). In the Defiance data base samples below detection limits are entered as half of the detection limit to facilitate statistical processing.

Plots of sample locations and both elements at a variety of scales and in a number of formats were then possible using the Map Info GIS package. Attached Plan Nos TAS089 and TAS090 present the Au and As data as dot plans at 1:5000 scale.

6.2 Airborne Data Processing

Defiance purchased the available airborne magnetic and radiometric data, comprising the Fingal (1993), Mathinna (1990) and Alberton-Mangana (1989) surveys from Mineral Resources Tasmania.

These data where processed by Southern Geoscience consultants to produce a number of images. The Total Magnetic Intensity image is presented here at 1:25000 scale (Plan No TAS087).

Several NNW and NW trending structures are apparent in the processed data in the Mangana area and may be controlling features on the gold mineralisation.

6.3 Prospect Evaluation

Prior to Defiance Mining NL and Connemarra Gold Pty Ltd forming the Mathinna Joint Venture, Connemarra arranged the production of a report on all the potential gold prospects in the area (Colville 1998). Two of these prospects, on which further

work was recommended, are within the Mathinna ML 43M/89 and are summarised below.

6.3.1 New Golden Gate East Reef

The New Golden Gate mine worked two reefs (East and West Reefs) in the lower levels of the mine. The Tas Consols mine only worked the West Reef in its lower levels. Two cross cuts at the 8 and 11 levels appear to have intersected the East Reef, however, the grade were it was intersected was obviously too low to sustain a profitable operation.

Both deep diamond and shallow RC drilling were proposed at this target. The shallow RC program, completed as part of Defiance's initial drill program, resulted in the discovery of Dylan's and Sophie's Reefs. The deep core program is still to be completed.

6.3.2 New Golden Gate Central Reef

This target is based on Epoch Minerals 1987 intersection of 8m from 40m at 10.7g/t gold in hole No 5. (Note: Incorrectly referred to as Epoch hole No 10 into the Upper East Reef in Colville).

6.4 Drilling

RC percussion drill testing of both the above targets was conducted in two programs in October-November 1998 and in June-July 1999.

The first program of 16 holes for 1570.5m tested for extensions of the Central Reef mineralisation north and south of the Epoch hole No 5 intersection (6 holes) and drilled two fences (total of 10 holes) across the up dip projection of the East and Lower West Reef mineralisation. Both aims of the program were successful with 40m of strike of gold bearing reef being established at Central Reef and with the discovery of Dylan's Reef in MT039 on the northernmost of the two reconnaissance fences. A summary of intersections from this program is outlined in Appendix 4.

The second follow up program of 29 holes for 2676m was targeted at better definition of Central Reef and scoping the strike extent and attitude of Dylan's Reef in the top 100m. This program was also highly successful with the strike extent of Central Reef being extended to 80m and the delineation of Dylan's Reef over a strike of 100m and subsequent discovery, Sophie's Reef over a strike of 130m. The intersections obtained in this program are also summarised in Appendix 4.

Holes from both programs were mostly drilled on AMG grid east-west sections angled at between 50 and 60 degrees to the west. Samples were collected in a large plastic bag from the drill cyclone at 1m intervals. Following lithological logging, samples of barren material with no quartz or sulphides present, were collected at 2m (rarely 1m or 3m) intervals using a 50mm poly spear. In zones of moderate interest based on the

lithological logging, poly speared samples were collected every metre. In samples containing significant amounts of quartz and/or sulphides, samples were collected every metre using a riffle splitter.

During the first program, samples were sent to Analabs in Burnie where they were analysed for (detection limits in brackets) the following:

- Au (10ppb) by fire assay.
- Cu (2ppm), Pb (3ppm), Zn (2ppm) and Ag (1ppm) by a triple acid digest with an AAS finish.
- As (1ppm) by a triple acid digest with an AAS vapour hydride finish. (Note: The first 461 samples were only analysed to a 50ppm detection limit)

During the second program the samples also when to Analabs in Burnie, however they were only analysed for Au (10ppb) and As (1ppm) as evaluation of the results from the first program indicated there was no useful benefit from the Cu, Pb, Zn and Ag assays.

Where one or two metre poly speared samples reported anomalous gold the samples were re-sampled at one metre spacing using a riffle splitter. During the first program these samples were only analysed for gold by fire assay, however during the second program analyses for both Au and As were completed. These results (sample Nos 106301-106430) have been merged with the remainder of the assays in Appendix 3.

To check on the accuracy of the 50g fire assaying technique for Au in the Mathinna environment a total of 92 screen fire assays were completed on intersections from the first round of drilling. The approximate range of values was 0.5-40g/t Au. The comparison with the fire assay results is illustrated in Fig 1 and in Appendix 5. The comparison between the two techniques is very good below 10g/t Au but is not as good above 10 g/t Au where (based on a limited sample population) the screen fire assays are generally lower than the corresponding fire assay values.

Following lower than expected Au results based on the amount of visible gold present in samples from holes MT047 and MT052, in the second program, 18 samples from these holes were re-sampled and five kg of material was submitted for bulk leach extractable gold (BLEG). The residues of the BLEG samples were also assayed twice for gold by fire assay to a detection limit of 10ppb. In summary, while individual samples showed a range of differences from 64% to 197% extraction in the BLEG samples compared to the 50g fire assays the overall average increase in grade was only 3.9% by the BLEG technique. A detailed comparison of the original fire assays and the BLEG plus the Au residue in the samples is presented in Appendix 5.

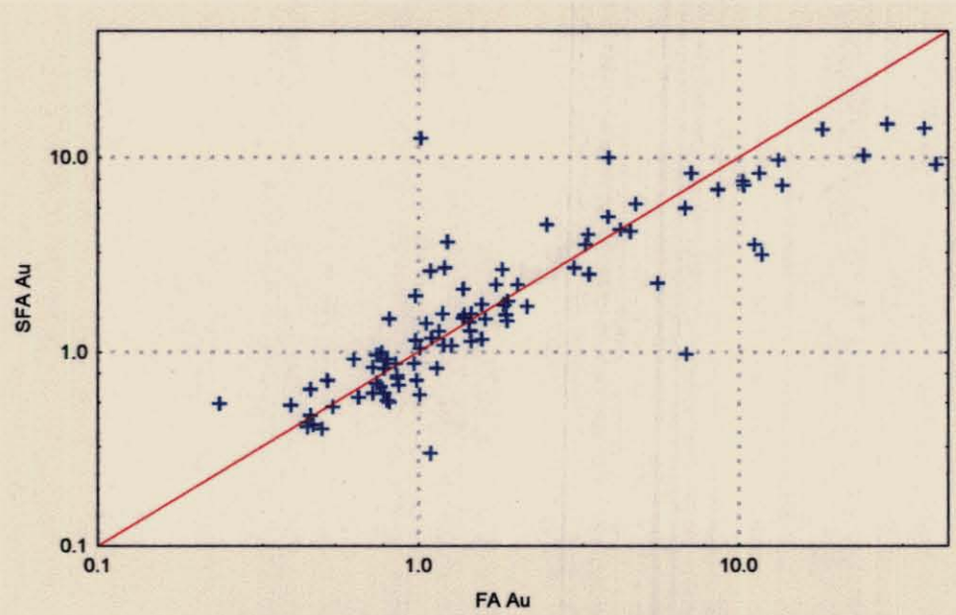

Fig 1. Screen Fire Assay v Fire Assay Comparison

Down hole surveys using an Eastman single shot camera, were conducted on many holes, including most of those with significant intersections. These data are located on the lithological log sheets. It was found that there was a consistent 6-degree difference between the Eastman camera shot at the collar of the hole and a hand held compass. This is most likely due to the alkaline camera batteries being magnetic enough to effect the compass in the camera. Therefore to convert magnetic Eastman compass bearings to AMG grid bearings, 15 degrees were added to allow for the magnetic declination and 6 degrees were subtracted to allow for the magnetic camera batteries.

Locations of all the drill holes can be found in the attached table and on plan No TAS058. Full lithological logs are located in Appendix 1.

At the completion of drilling the holes were plugged with a concrete plug. Following receipt of the assay results the following methodology was followed with respect to disposal of the samples:

- For holes drilled on the old tailings dump the samples were tipped out on site and raked over with a heavy duty garden rake. Examination of the November 1998 drill hole cuttings in June/July 1999 indicated they had mostly been covered with a layer of wind blown tailings and were virtually indistinguishable from their surroundings.

- For holes in other areas the samples were collected and dumped down old mine workings.

In both of the above scenarios the polythene sample bags were disposed of at a recognised council refuse disposal site.

6.5 Gridding and Surveying

A differential GPS was used for initial survey control during the first drilling program with subsequent positioning by chain and compass. Because of some problems with repeating results with the differential GPS it was decided to obtain more accurate survey control after the first drilling program. This was provided by East Coast Surveying from St Helens who established a 500m long AMG grid baseline at 50m centres along 574500E from 5406400N to 5406900N. They also provided AMG coordinates for all the Defiance and Epoch holes that they could locate and established survey stations in a number of prominent locations (Plan No TAS058).

This control was subsequently used to establish drill hole positions for the second program. Detailed survey results for holes MT045-73 are not yet available.

7. Proposed Future Program

In the period late September to late October 1999 Defiance plans to drill a further 1600m of RC and 400m of core in the vicinity of the New Golden Gate mine in 43M/89. This program, which will involve drilling of 14 new holes and deepening of 8 existing holes, has the following aims:

- To establish the configuration, structure and grade of Dylan's and Sophie's Reefs in the interval 100-200m below surface.
- To determine the strike extent of Sophie's Reef to the north of current drilling and its relationship with the previously mined Loane's and Main Reefs at its southern end.
- To better establish the controls on the Central Reef mineralisation.

Additional drill programs will be dependent on the results of this proposed program.

8. References

Colville, R. 1998. *Connemarra Gold Mines* Pty Ltd, Mathinna Gold Project, Annual Report on Exploration Licence 3/97 for the Twelve months ending 19 September 1998.

MacDonald, G. 1996. Resolute Samantha Limited, Annual Report 1995 EL 17/91 "Mathinna".

9. Expenditure Statement – ML 43M/89

For the period 2 October 1998 to 31 August 1999

Item	$
MRT/ Legal/NNTT Costs	1,815
Literature Research	90
Freight	155
Plant Hire	1,235
Geophysics - Aeromags	75
Surveying	2,955
Computing & CAD Services	538
Consultant - Geophysics	766
Assaying	53,686
Drilling	153,633
Salaries & Wages	74,978
Vehicles	11,572
Travel & Accommodation	19,777
Field Communications	1,928
Consumables	9,039
Mine Evaluation	3,000
Overheads at 10%	37,249
Total	372,491

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Connemara Gold Mines Pty Ltd*; Defiance Mining NL
ML 43M/89
Jackson, D.G.

572000 mE
573000 mE
574000 mE
575000 mE
576000 mE
577000 mE
578000 mE
579000 mE
580000 mE

5409000 mN
5408000 mN
5407000 mN
5406000 mN
5405000 mN
5404000 mN

ESK
SOUTH
RIVER
EL 19/91
MATHINNA
C401
B43
C425
ML 43M/89
MATHINNA
ROAD
To Fingal

5 cm

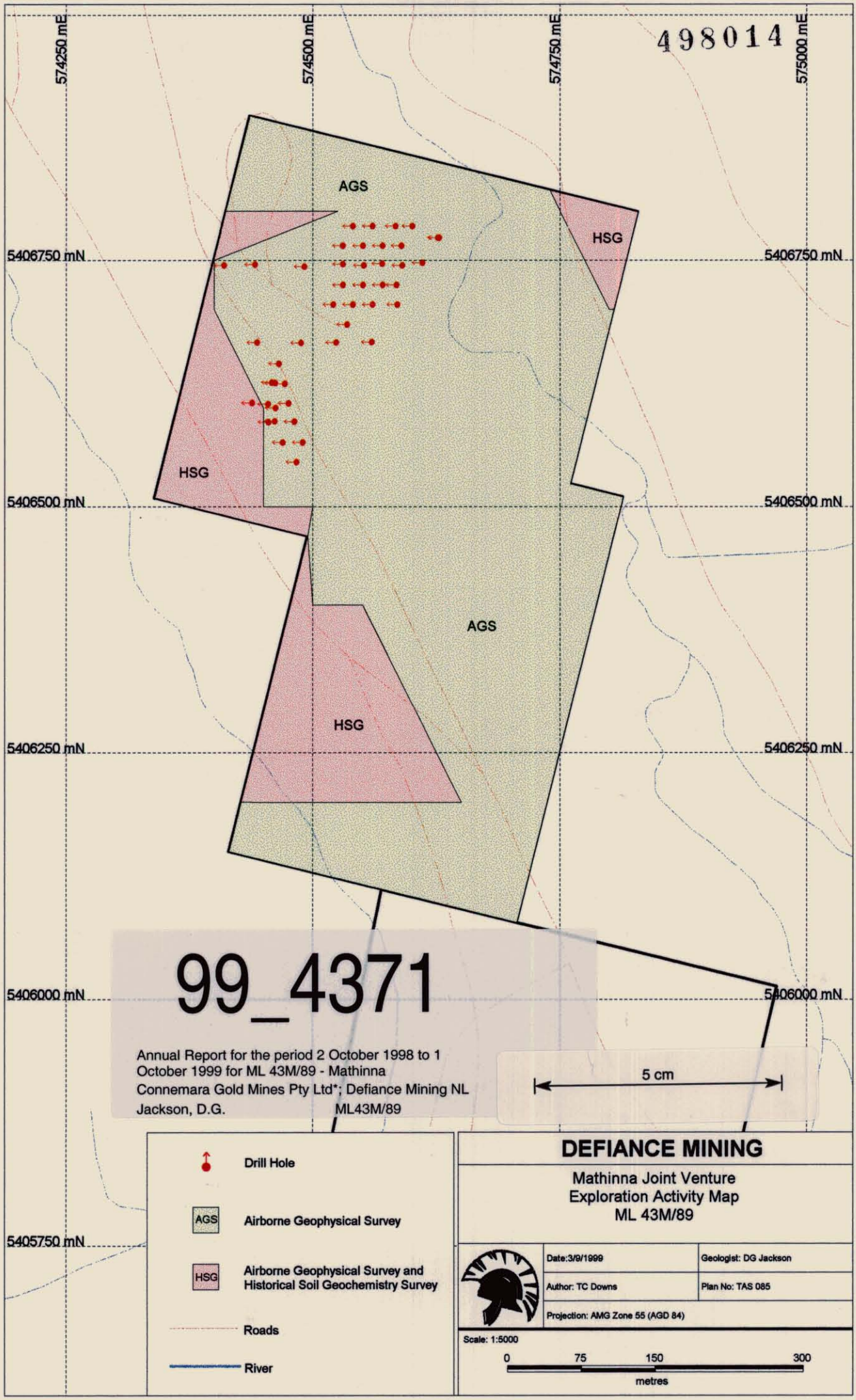
Tenement ML 43M/89
Primary Surfaced Roads
Secondry Surfaced Roads
Unsurfaced Roads and Tracks
River

DEFIANCE MINING NL

Mathinna Joint Venture
Tenement Location Plan
ML 43M/89

Date: 2/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS084
Projection: AMG Zone 55 (AGD 84)	

Scale: 1:25000
0 500 1000
metres


498014
574250 mE
574500 mE
574750 mE
575000 mE
5406750 mN
5406500 mN
5406250 mN
5406000 mN
5405750 mN
AGS
HSG
HSG
AGS
HSG
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Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
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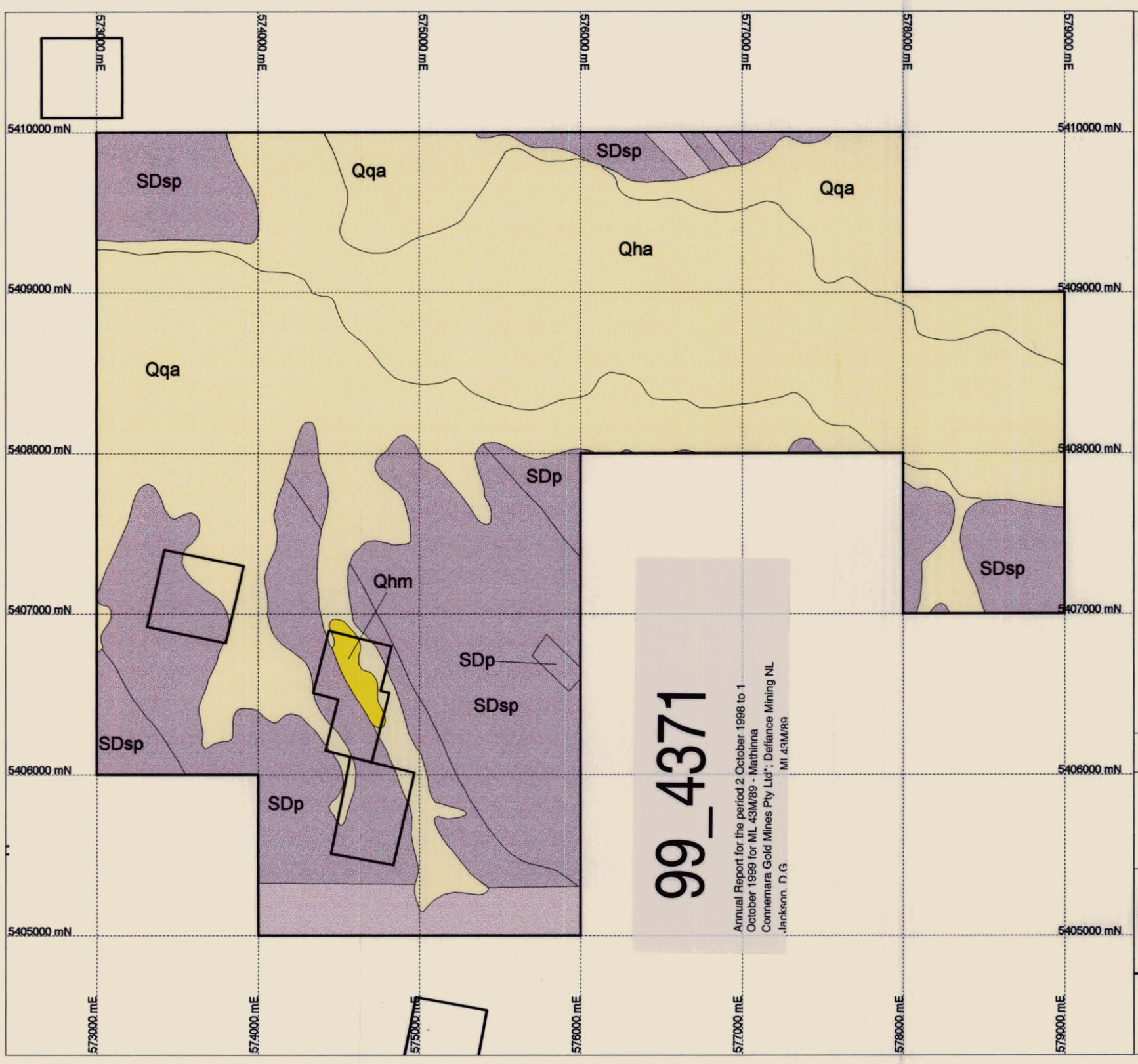
5 cm
Drill Hole
AGS
Airborne Geophysical Survey
HSG
Airborne Geophysical Survey and Historical Soil Geochemistry Survey
Roads
River
DEFIANCE MINING
Mathinna Joint Venture
Exploration Activity Map
ML 43M/89
Date:3/9/1999
Geologist: DG Jackson
Author: TC Downs
Plan No: TAS 085
Projection: AMG Zone 55 (AGD 84)
Scale: 1:5000
0
75
150
300
metres



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Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G

CAINOZOIC

QUATERNARY

- Qhm — Mine tailings and man disturbed ground.
- Qha — Stream alluvium, swamp and marsh deposits.
- Qqa — Older alluvium of river terraces.
- Qqc — Colluvium - derived from Mathinna Group.
- Qpt — Talus consisting of dolerite and subordinate Upper Parmeener rocks.
- Qpb — Dolerite block fields probably underlain by clay from weathered dolerite, with interstitial fines.

Toppled dolerite masses (>100m), coherent or partly disaggregated, produced by cliff failure.

TERITARY

Conglomerate with rounded clasts of Mathinna Group and very rare weathered dolerite, often partly cemented by iron oxides.

MESOZOIC

TRIASSIC

- Rt — Dominantly lithic sandstone with minor mudstone and coal.
- Rtr — Quartz rich lithic sandstone and minor quartz sandstone (Rt), with mudstone and carbonaceous mudstone (Rtm).
- Cross bedded quartz sandstone.

PALAEOZOIC

PERMIAN

- Fl — Fine grained, slightly feldspathic quartz sandstone, micaceous shale and minor carbonaceous mudstone.
- Fmp — Poorly sorted grey mudstone, siltstone and rare sandstone, unfossiliferous except for rare forams. Bed of pebbly sandstone indicated (Fmp).
- Fp — Thick-bedded usually poorly sorted, pebbly sandstone passing upward to interbedded sandstone, siltstone and mudstone. Marine fossils abundant in places.
- Fbd — Dominantly bioclastic limestone.
- Fm — Marine fossiliferous mudstone siltstone and minor sandstone and bioclastic limestone.
- Fm — Fine grained pebbly sandstone with phosphatic nodules. Marine fossils present in some areas.
- Fm — Mudstone siltstone and poorly sorted sandstone. Uncommon marine fossils.
- Fs — Dominantly well sorted quartz sandstone, usually cross-bedded and commonly with interbedded and inter-laminated carbonaceous shale lesser conglomerate and rare coal.
- Fb — Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Fb); dominantly thick-bedded to massive , medium to coarse-grained quartz sandstone and minor conglomerate (Fbs).

EARLY DEVONIAN (?) -SILURIAN- ORDOVICIAN (?)

- SDx — Quartzwacke turbidite sequence of interbedded sandstone siltstone and mudstone (SDx); sequences with significant mudstone indicated (SDxp); dominantly sandstone and siltstone (SDs); some quartzite units indicated (SDsq).
- SDp — Dominantly mudstone and siltstone (SDp). Metapsammite (SDsm, SDqzm), metaquartzite (SDsqm).

IGNEOUS ROCKS

TERTIARY

- Tbb — Basinite.

JURASSIC

- Jd — Dolerite - grain size <0.2mm (vf). Areas with later very fine-grained dykes shown (fd).
- Jmic — Aplite.

MAJOR GRANITIC INTRUSIONS

SCOTTSDALE BATHOLITH

Generally equigranular medium to coarse grained, leucocratic biotite alkali feldspar granite/adamellite with pale pink feldspar.

- Dssp — Sparsely to moderately porphyritic (quartz and K feldspar), fine to coarse grained biotite granite.

DEVONIAN

- Dssc — Equigranular coarse to very coarse grained biotite +/- hornblende adamellite / granodiorite with pink to white feldspars.

BLUE TIER BATHOLITH

- Dbg — Medium grained, equigranular to rarely porphyritic (KF), biotite-hornblende granodiorite. Locally with a strong grain foliation. Variable but usually strongly magnetic (Dbgs). Weakly magnetic (Dbgw).

BEN LOMOND GRANITE

- Dlmr — Fine to coarse grained equigranular to porphyritic (KF) alkali feldspar granite.

5 cm

DEFIANCE MINING NL

Mathinna Joint Venture
Regional Geology
ML 43M/89

Date:2/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS086
Projection: AMG Zone 55 (AGD 84)	

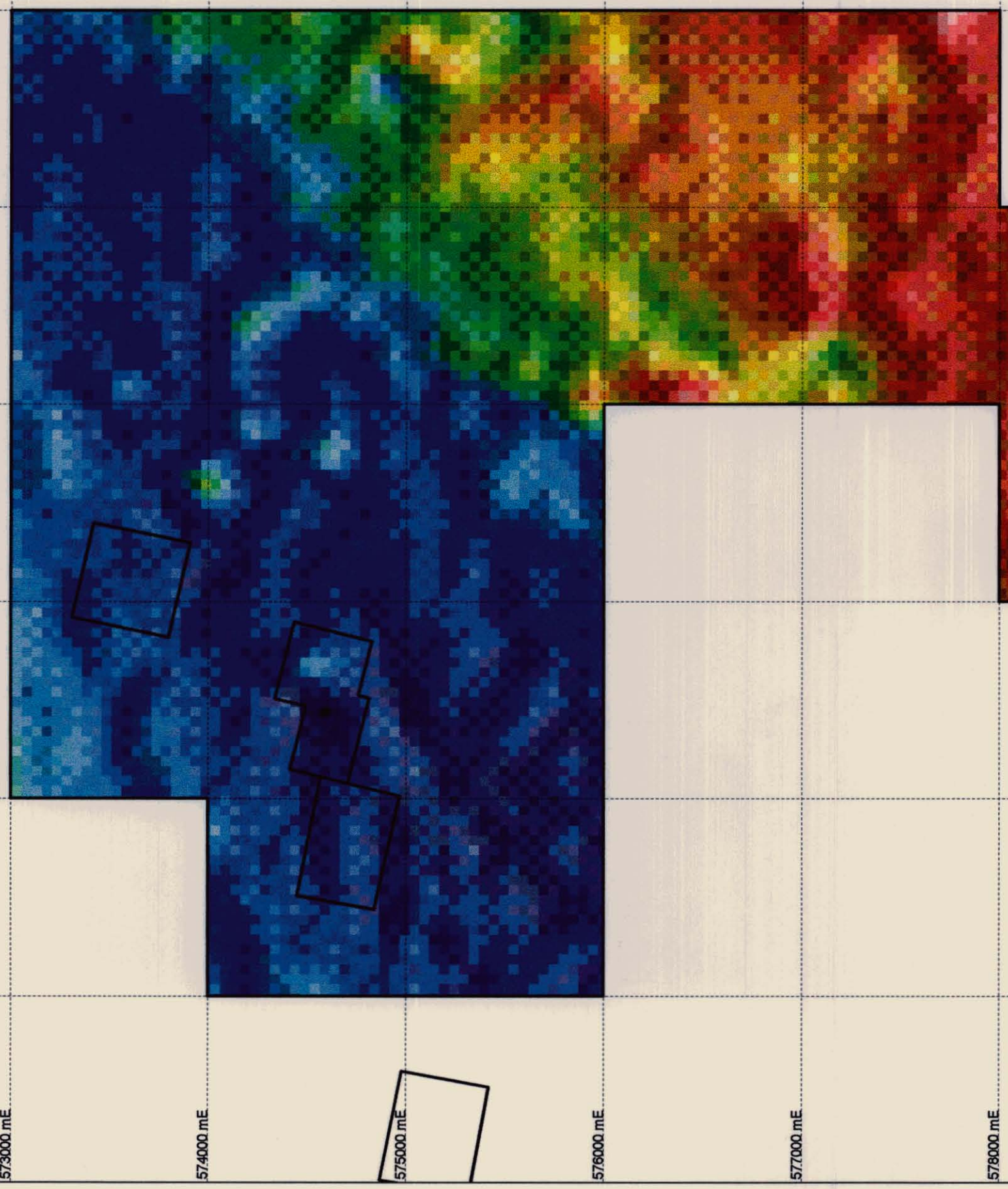
Scale: 1:25000

0 — 1000 — 2000

metres

572000 mE | 573000 mE | 574000 mE | 575000 mE | 576000 mE | 577000 mE | 578000 mE | 579000 mE | 580000 mE

5410000 mN
5409000 mN
5408000 mN
5407000 mN
5406000 mN
5405000 mN



SURVEY SPECIFICATIONS	MATHINNA
Contractor	: Geo Instruments
Aircraft	: -
Instrumentation	: Proton G-813
Survey Date	: Feb 1990
Sample Interval	: 13 metres
Flight Line Spacing	: 150 metres
Flight Line Direction	: 000 - 180 deg.
Tie Line Spacing	: 400 metres
Mean Terrain Clearance	: 80 metres
Navigation	: Control Maps
Grid Cell Size	: 50me x 50mN

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October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson. D.G.
ML43M/89

5 cm

DEFIANCE MINING NL

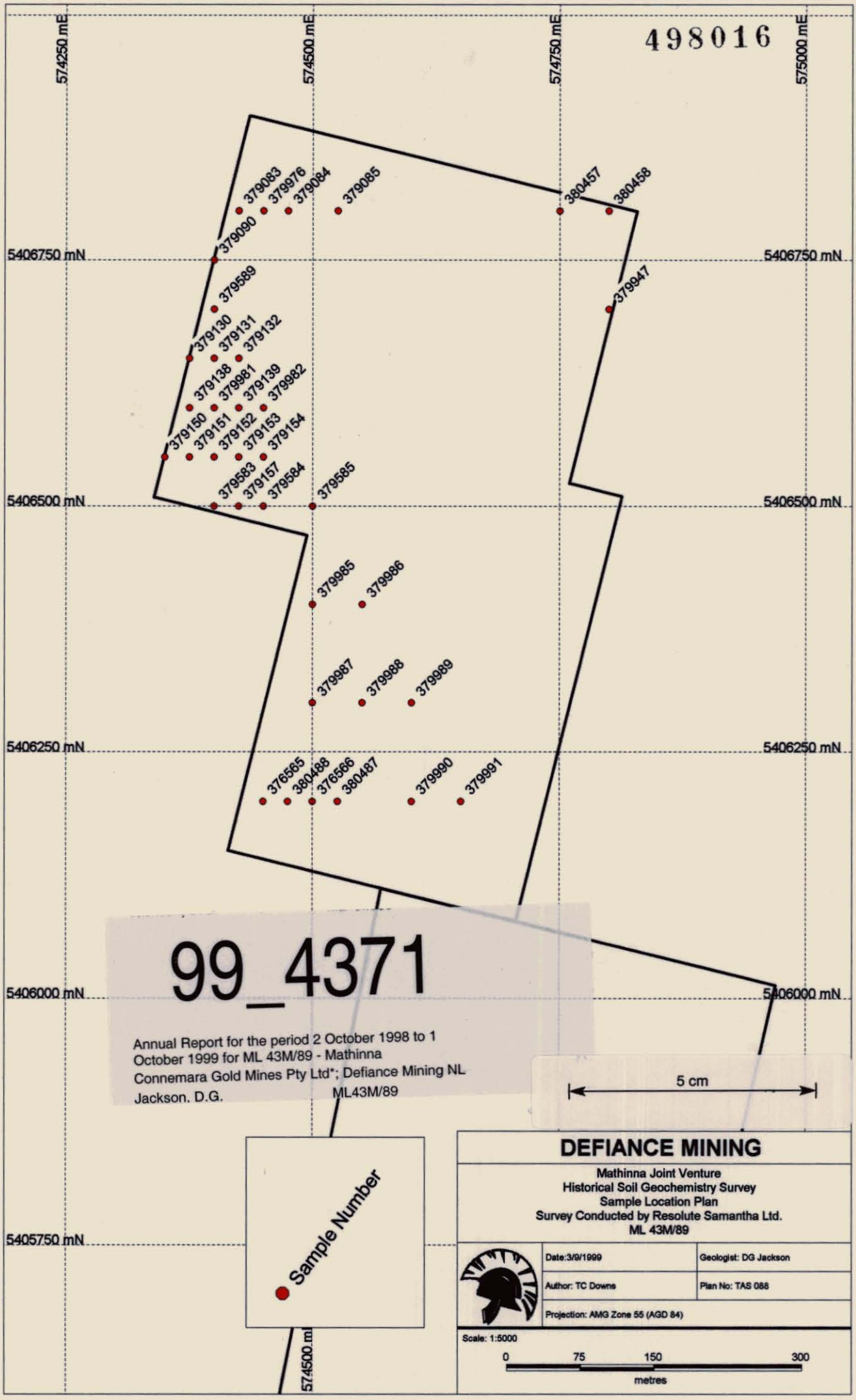
Mathinna Joint Venture
Airborne Geophysical Survey
Total Magnetic Intensity Image (NL)
ML 43M/89

Date: 2/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS087
Projection: AMG Zone 55 (AGD 84)	

Scale: 1:25000

0 500 1000
metres

498016



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Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson. D.G. ML43M/89

5 cm

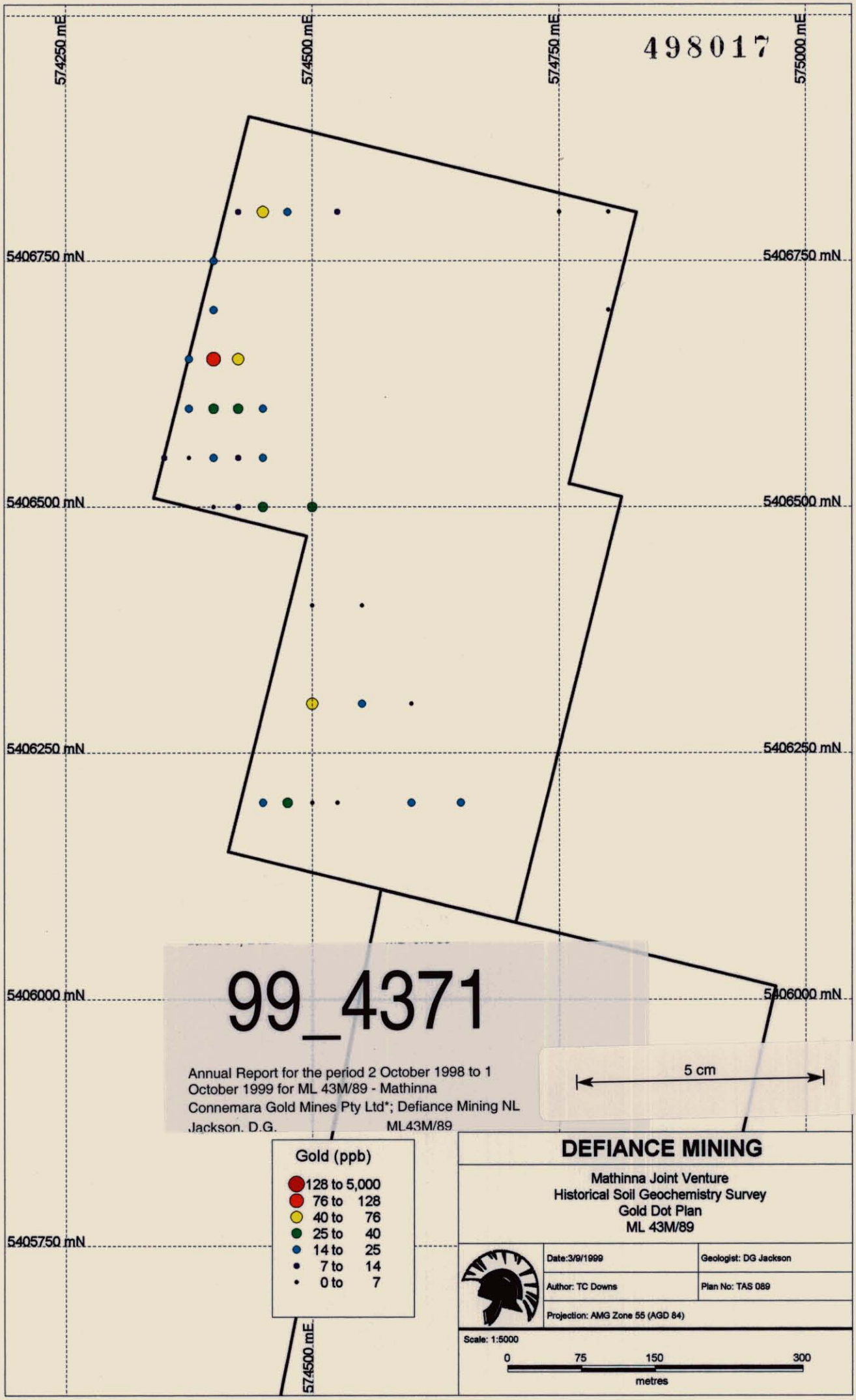
DEFIANCE MINING

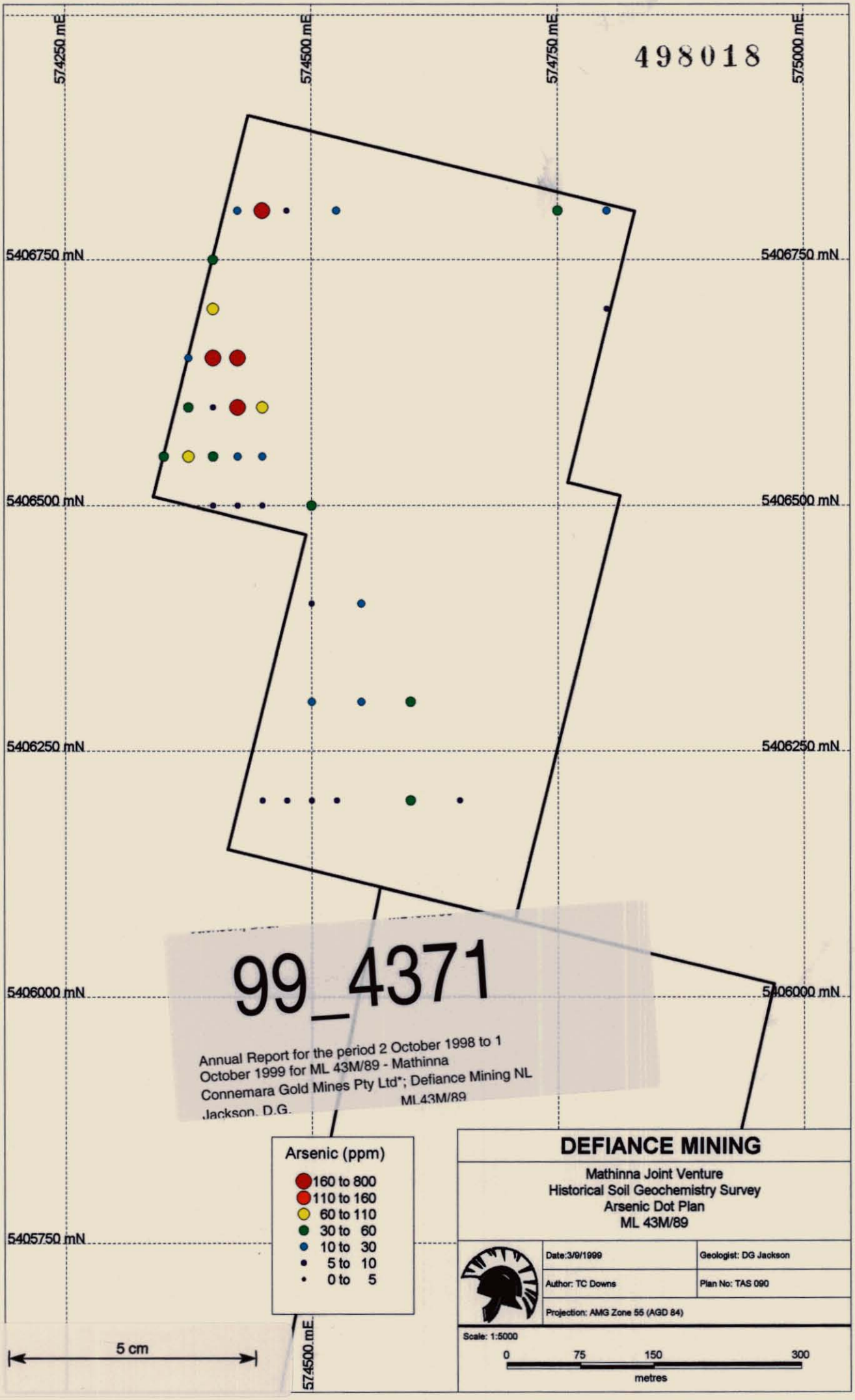
Mathinna Joint Venture
Historical Soil Geochemistry Survey
Sample Location Plan
Survey Conducted by Resolute Samantha Ltd.
ML 43M/89

Date:3/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS 088
Projection: AMG Zone 55 (AGD 84)	

Scale: 1:5000

0 75 150 300
metres


498017
574250 mE
574500 mE
574750 mE
575000 mE
5406750 mN
5406500 mN
5406250 mN
5406000 mN
5405750 mN
99_4371
Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G.
ML43M/89
5 cm
Gold (ppb)
128 to 5,000
76 to 128
40 to 76
25 to 40
14 to 25
7 to 14
0 to 7
DEFIANCE MINING
Mathinna Joint Venture
Historical Soil Geochemistry Survey
Gold Dot Plan
ML 43M/89
Date:3/9/1999
Geologist: DG Jackson
Author: TC Downs
Plan No: TAS 089
Projection: AMG Zone 55 (AGD 84)
Scale: 1:5000
0
75
150
300
metres


498018
574250 mE
574500 mE
574750 mE
575000 mE
5406750 mN
5406500 mN
5406250 mN
5406000 mN
5405750 mN
99_4371
Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G.
ML43M/89
Arsenic (ppm)
160 to 800
110 to 160
60 to 110
30 to 60
10 to 30
5 to 10
0 to 5
DEFIANCE MINING
Mathinna Joint Venture
Historical Soil Geochemistry Survey
Arsenic Dot Plan
ML 43M/89
Date:3/9/1999
Geologist: DG Jackson
Author: TC Downs
Plan No: TAS 090
Projection: AMG Zone 55 (AGD 84)
Scale: 1:5000
0
75
150
300
metres
5 cm

574400 mE
574500 mE
574600 mE
574700 mE
5406900 mN
5406800 mN
5406700 mN
5406600 mN
5406500 mN
5406400 mN
500/900
500/850
500/800
500/750
500/700
500/650
500/600
500/550
500/500
500/450
500/400
STN 5
STN 4
STN 6
Tasmanian Consolidated
New Golden Gate
MT027
MT028
MT029
MT030
MT031
MT032
MT033
MT034
MT035
MT036
MT037
MT038
MT039
MT040
MT041
MT042
MT045
MT046
MT047
MT048
MT049
MT050
MT051
MT052
MT053
MT054
MT055
MT056
MT057
MT058
MT059
MT060
MT061
MT062
MT063
MT064
MT065
MT066
MT067
MT068
MT069
MT070
MT071
MT072
MT073

99_4371

Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G. ML43M/89

Legend

- Grid Control Station
- Survey Sation
- Defiance RC Drillhole 1999
- Defiance RC Drillhole 1998
- Earlier Drillhole
- Mine Shaft
- Drillhole Trace
- Primary Road
- Secondary Road
- Track
- Water Course

5 cm

DEFIANCE MINING

Mathinna Joint Venture
Drillhole Location Plan
ML 43M/89

Date:6/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS058
Projection: AMG Zone 55 (AGD 84)	

Scale: 1:1000

0 12.5 25 50
metres

574400mE

574450mE

574500mE

MT062

300mRL

300mRL

90.0m

250mRL

250mRL

99_4371

Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G. ML43M/89

5 cm

200mRL

Scale 1:500
Section Origin (top left)
574400 m E
5406545 m N
345 m RL
Orientation 90.0 deg

574400mE

498020

HoleID

Au Histogram 1 mm/unit at 1:500

As Histogram 0.002 mm/unit at 1:500

Au Text

As Text

EOH

Gold (ppm)	Arsenic (ppm)
0 - 0.1	0 - 100
0.1 - 1	100 - 1000
1 - 5000	1000 - 100000

DEFIANCE MINING

Mathinna Joint Venture
New Golden Gate Prospect
Tenement ML 43M/39
Section 5406545mN

Date:6/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS059
Projection: Custom Projection	

Scale: 1:500

0 7.5 15 30

metres

574400mE
574450mE
574500mE
300mRL
250mRL
200mRL
MT052
MT061
90
13800
10100
12100
9800
13200
11200
10100
11900
90.0m
109.0m

99_4371

Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G. ML43M/89

498021

5 cm

Scale 1:500
Section Origin (top left)
574370 m E
5406565 m N
345 m RL
Orientation 90.0 deg

HoleID
Au Histogram 1 mm/unit at 1:500
As Histogram 0.002 mm/unit at 1:500
Au Text
As Text
EOH

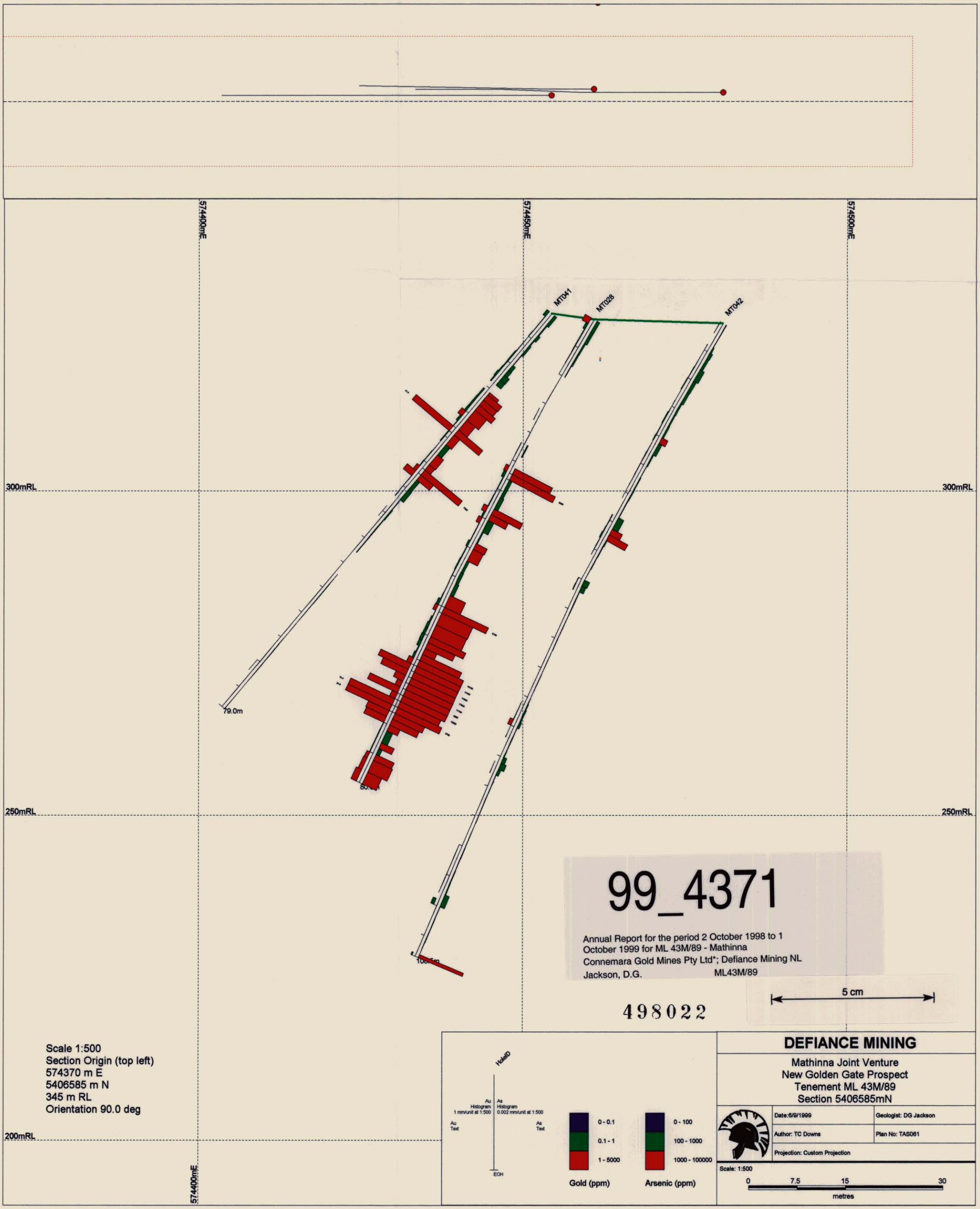
Gold (ppm): 0 - 0.1; 0.1 - 1; 1 - 5000
Arsenic (ppm): 0 - 100; 100 - 1000; 1000 - 100000

DEFIANCE MINING

Mathinna Joint Venture
New Golden Gate Prospect
Tenement ML 43M/89
Section 5406565mN

Date:6/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS060
Projection: Custom Projection	

Scale: 1:500
0 7.5 15 30
metres

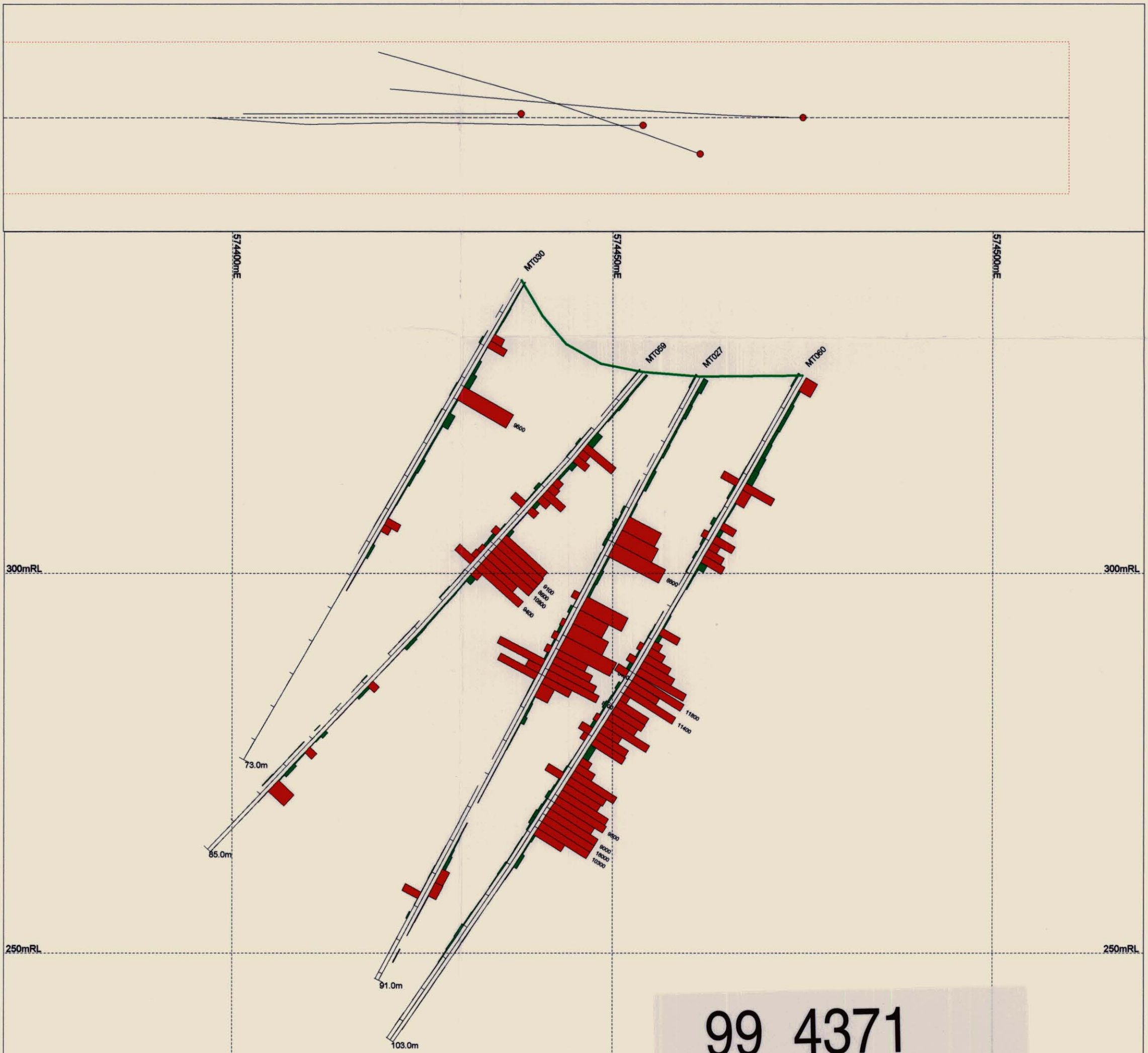


99_4371

Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G. ML43M/89

5 cm

498022



99_4371

Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G. ML43M/89

498023

5 cm

Scale 1:500
Section Origin (top left)
574370 m E
5406605 m N
345 m RL
Orientation 90.0 deg

HoleID
Au Histogram 1 mm/unit at 1:500
Au Text
As Histogram 0.002 mm/unit at 1:500
As Text
EOH

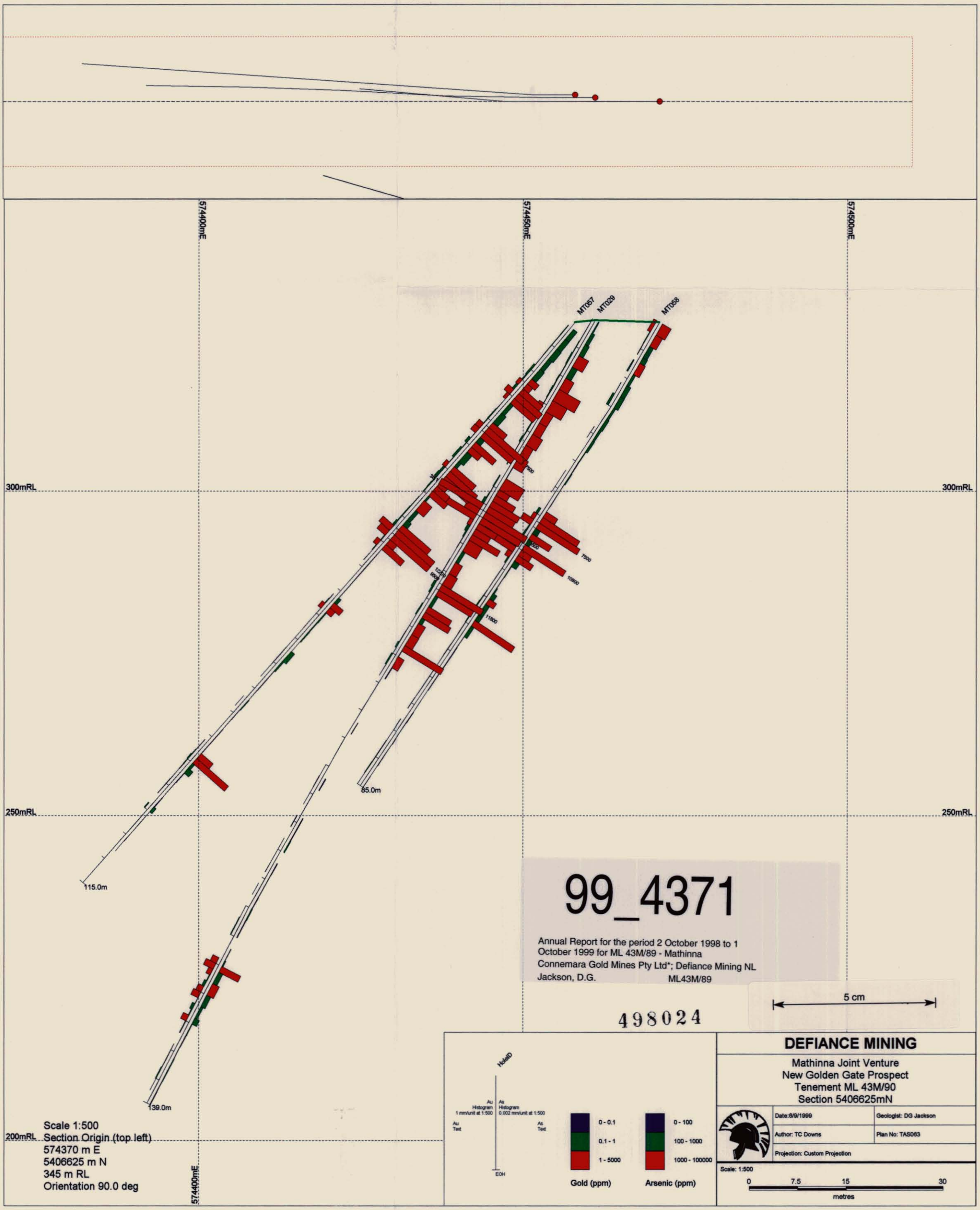
Gold (ppm)	Arsenic (ppm)
0 - 0.1	0 - 100
0.1 - 1	100 - 1000
1 - 5000	1000 - 100000

DEFIANCE MINING

Mathinna Joint Venture
New Golden Gate Prospect
Tenement ML 43M/89
Section 5406605mN

Date:6/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS062
Projection: Custom Projection	

Scale: 1:500
0 7.5 15 30
metres



99_4371

Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna

Connemara Gold Mines Pty Ltd*; Defiance Mining NL

Jackson, D.G. ML43M/89

498024

574400mE

574450mE

574500mE

MT056

300mRL

300mRL

250mRL

250mRL

114.0m

12000
23100

10700

10700

200mRL

574400mE

Scale 1:500
Section Origin (top left)
574370 m E
5406645 m N
345 m RL
Orientation 90.0 deg

HoleID

Au Histogram 1 mm/unit at 1:500

As Histogram 0.002 mm/unit at 1:500

Au Text

As Text

EOH

Gold (ppm)	Arsenic (ppm)
0 - 0.1	0 - 100
0.1 - 1	100 - 1000
1 - 5000	1000 - 100000

DEFIANCE MINING

Mathinna Joint Venture
New Golden Gate Prospect
Tenement ML 43M/89
Section 6406645mN

Date:6/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS064
Projection: Custom Projection	

Scale: 1:500

0 7.5 15 30

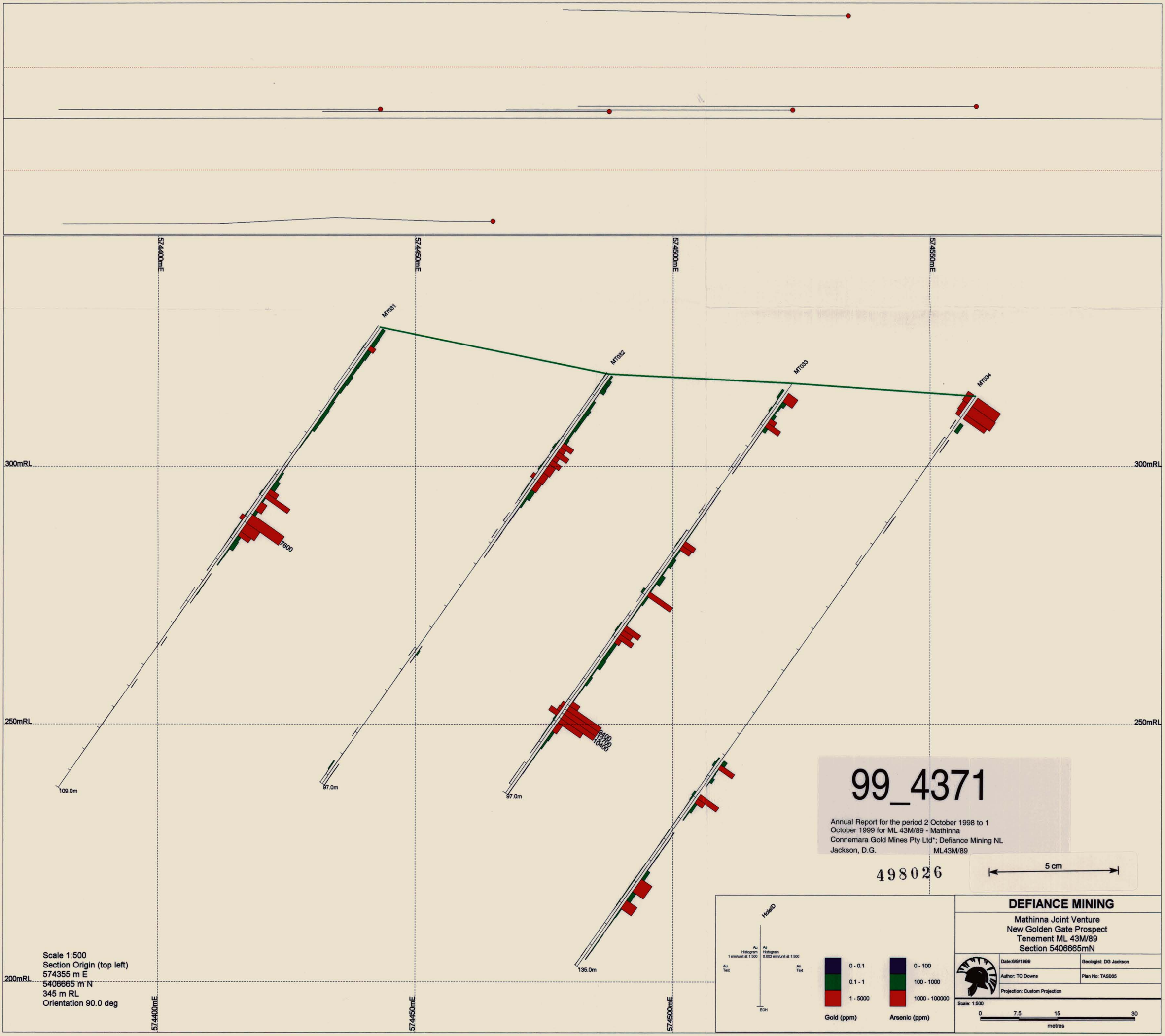
metres

5 cm

498025

99_4371

Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G. ML43M/89



99_4371

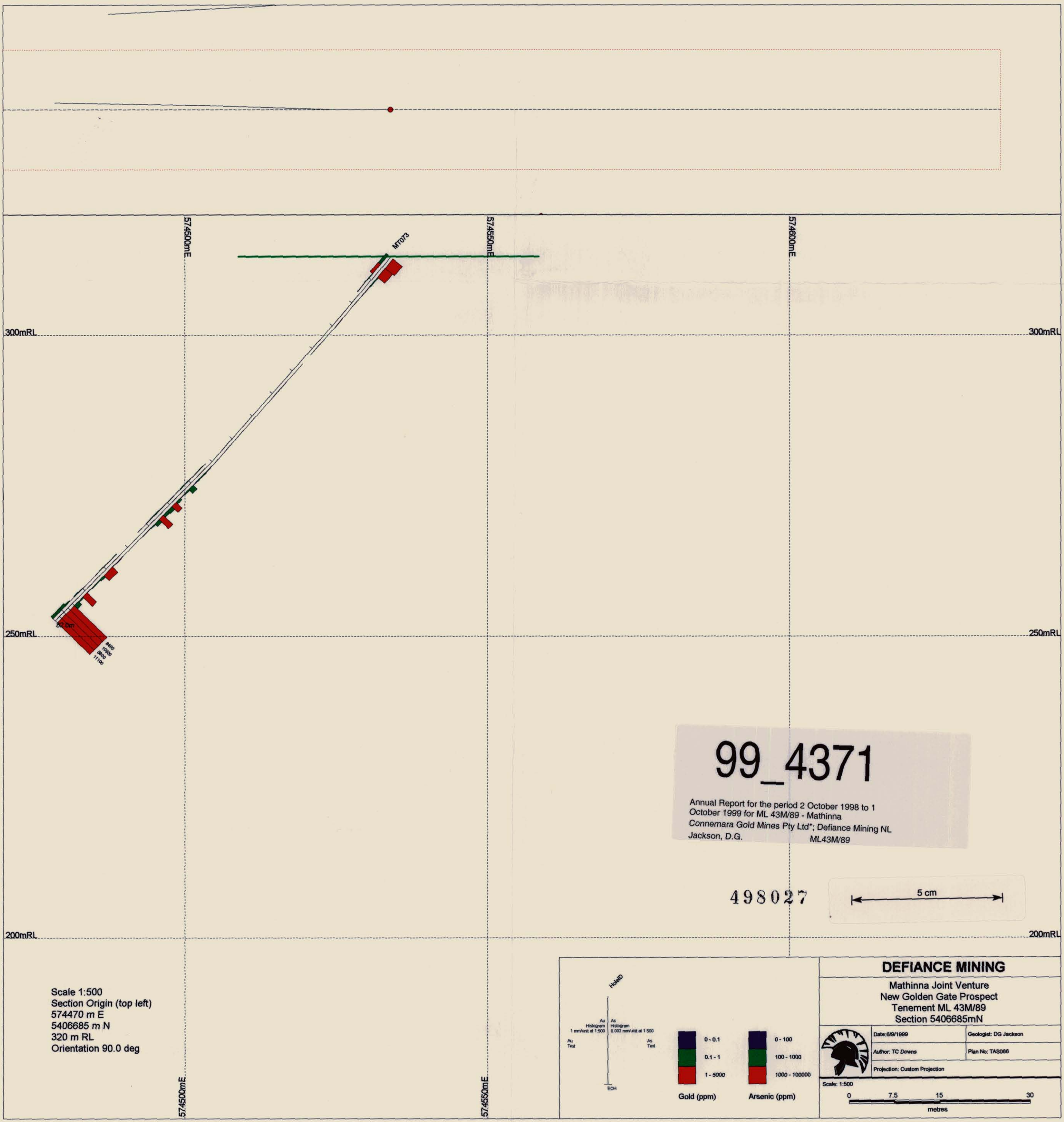
Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna

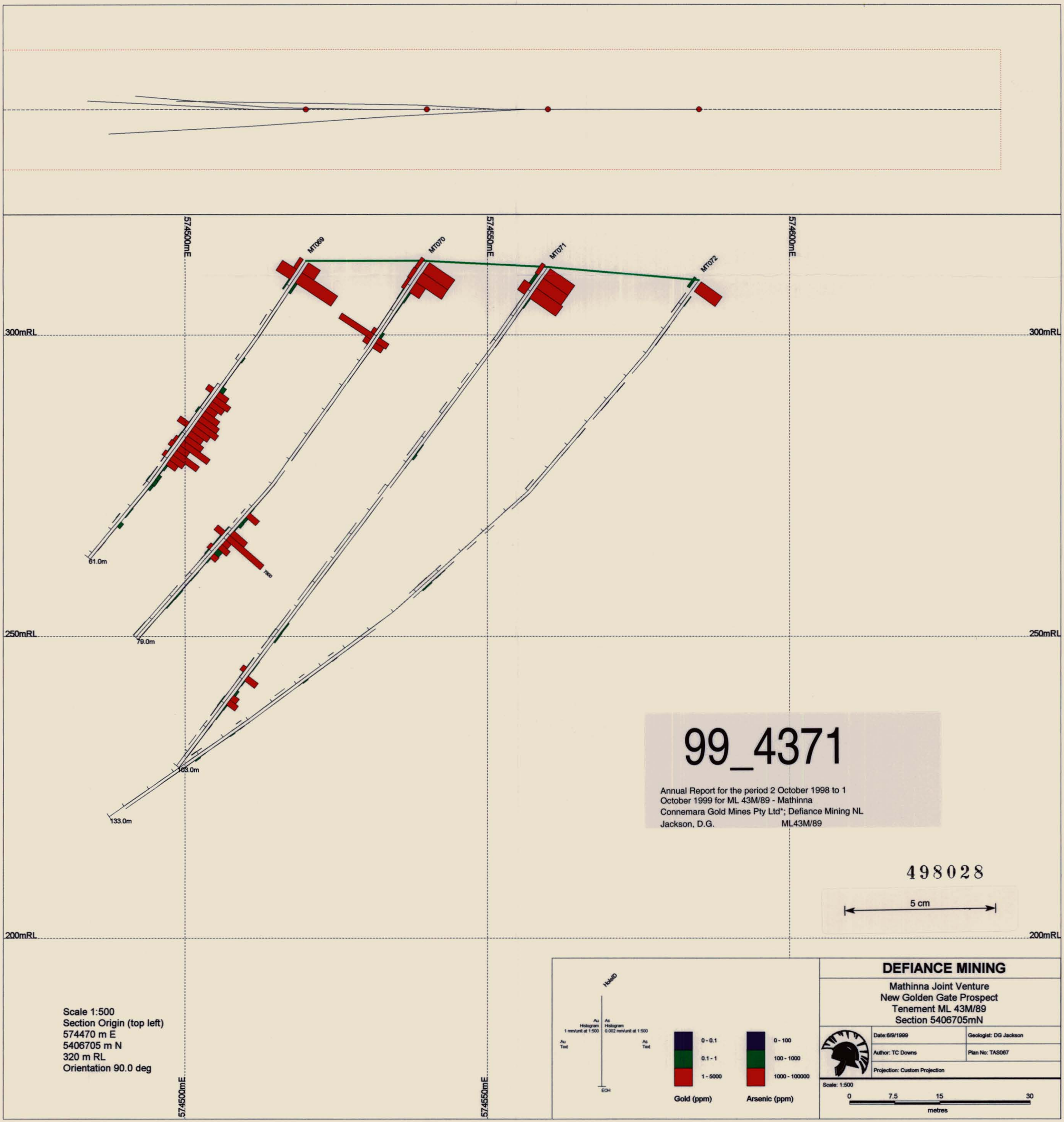
Connemara Gold Mines Pty Ltd*; Defiance Mining NL

Jackson, D.G. ML43M/89

498026

5 cm


574500mE
574550mE
574600mE
300mRL
250mRL
200mRL
MT073
82.0m
8400
10900
9500
11100
99_4371
Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G.
ML43M/89
498027
5 cm
HoleID
Au Histogram 1 mm/unit at 1:500
As Histogram 0.002 mm/unit at 1:500
Au Text
As Text
EOH
0 - 0.1
0.1 - 1
1 - 5000
Gold (ppm)
0 - 100
100 - 1000
1000 - 100000
Arsenic (ppm)
Scale 1:500
Section Origin (top left)
574470 m E
5406685 m N
320 m RL
Orientation 90.0 deg
DEFIANCE MINING
Mathinna Joint Venture
New Golden Gate Prospect
Tenement ML 43M/89
Section 5406685mN
Date:6/9/1999
Geologist: DG Jackson
Author: TC Downs
Plan No: TAS066
Projection: Custom Projection
Scale: 1:500
0
7.5
15
30
metres



99_4371

Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G. ML43M/89

498028

5 cm

Scale 1:500
Section Origin (top left)
574470 m E
5406705 m N
320 m RL
Orientation 90.0 deg

HoleID
Au Histogram 1 mm/unit at 1:500
As Histogram 0.002 mm/unit at 1:500
Au Text
As Text
EOH

Gold (ppm): 0 - 0.1; 0.1 - 1; 1 - 5000

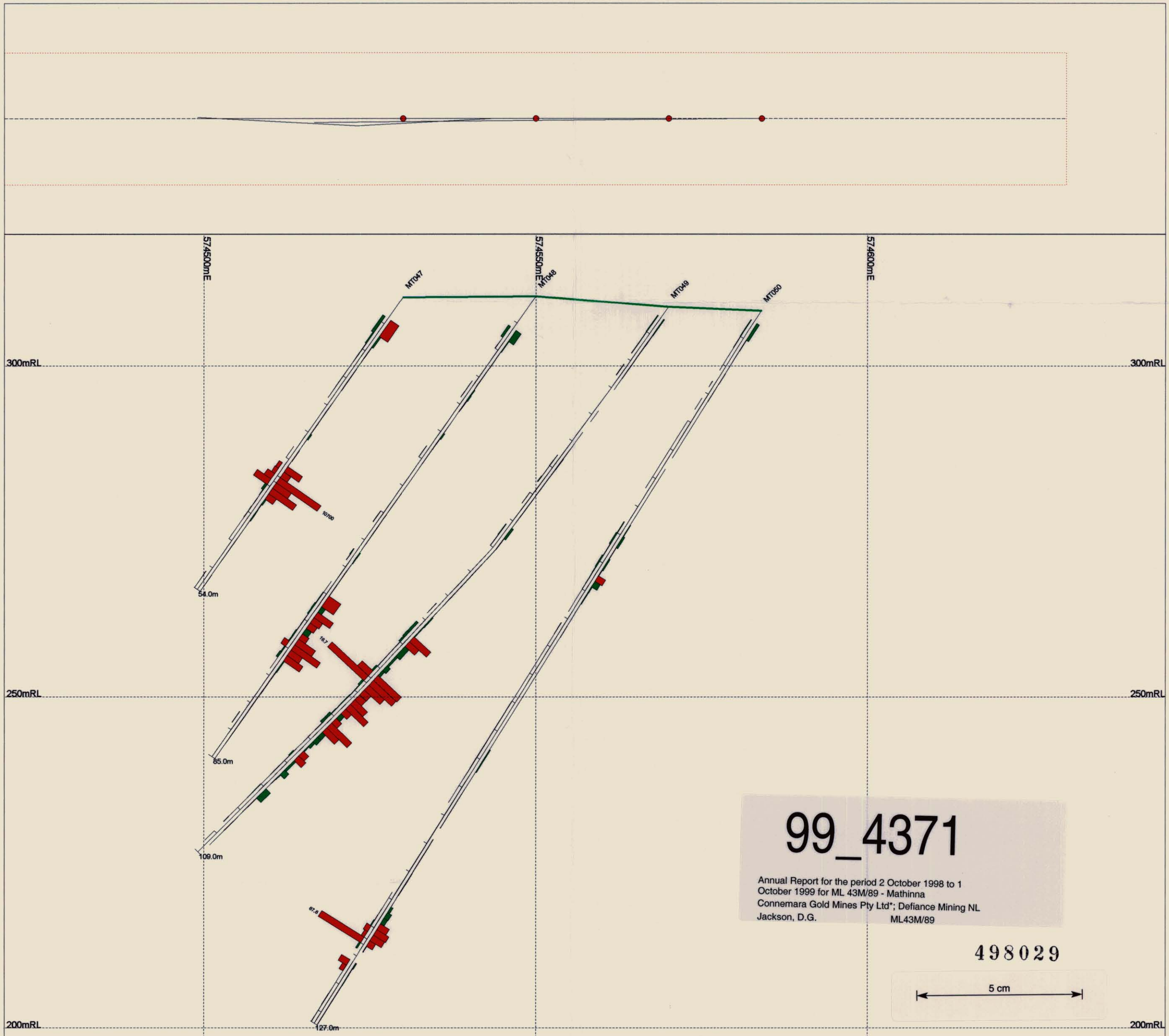
Arsenic (ppm): 0 - 100; 100 - 1000; 1000 - 100000

DEFIANCE MINING

Mathinna Joint Venture
New Golden Gate Prospect
Tenement ML 43M/89
Section 5406705mN

Date:6/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS067
Projection: Custom Projection	

Scale: 1:500
0 7.5 15 30
metres



99_4371

Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G. ML43M/89

498029

5 cm

Scale 1:500
Section Origin (top left)
574470 m E
5406725 m N
320 m RL
Orientation 90.0 deg

HoleID
Au Histogram 1 mm/unit at 1:500
As Histogram 0.002 mm/unit at 1:500
Au Text
As Text
EOH

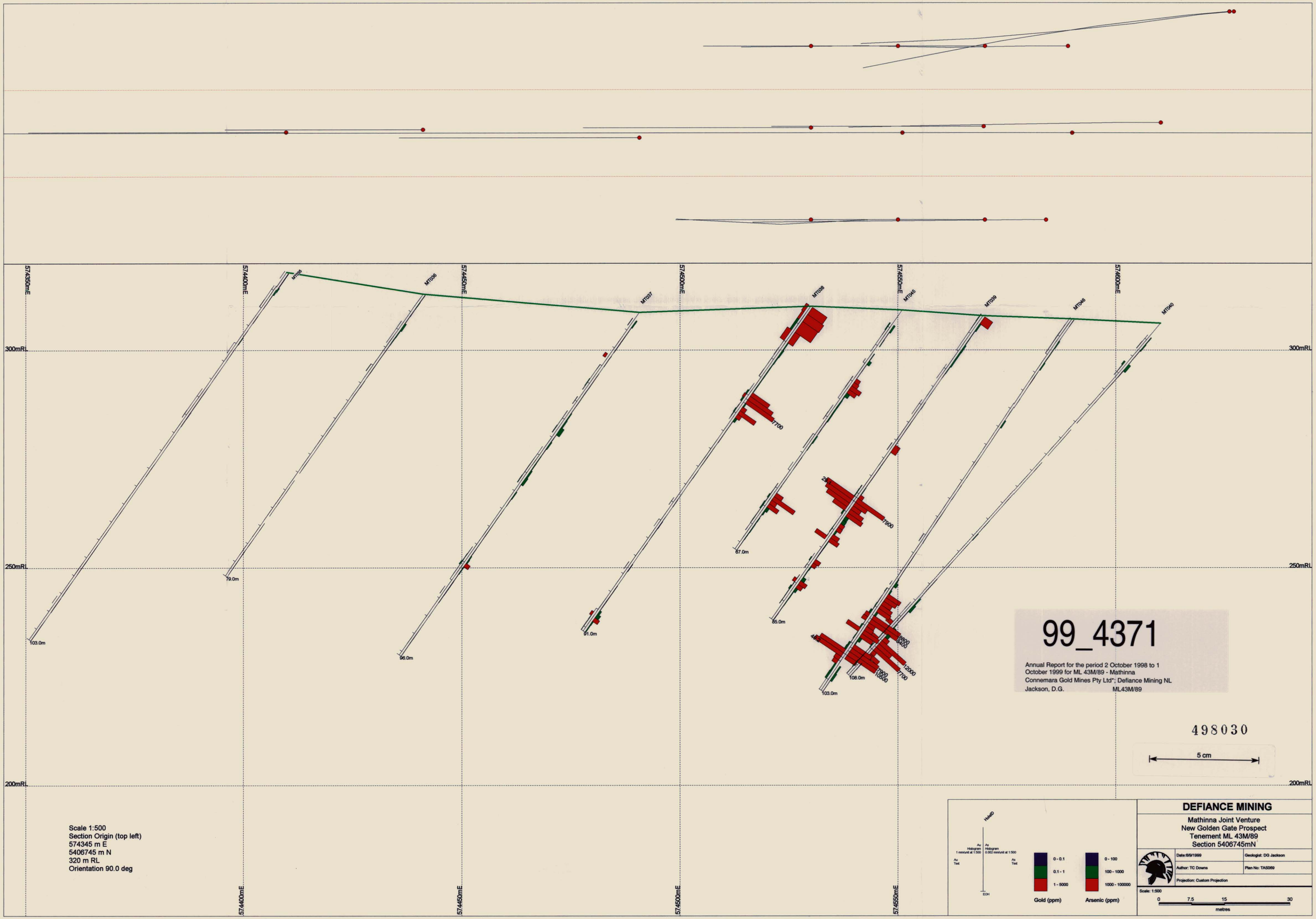
Gold (ppm)	Arsenic (ppm)
0 - 0.1	0 - 100
0.1 - 1	100 - 1000
1 - 5000	1000 - 100000

DEFIANCE MINING

Mathinna Joint Venture
New Golden Gate Prospect
Tenement ML 43M/89
Section 5406725mN

Date:6/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS068
Projection: Custom Projection	

Scale: 1:500
0 7.5 15 30
metres



99_4371

Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G. ML43M/89

498030

5 cm

Scale 1:500
Section Origin (top left)
574345 m E
5406745 m N
320 m RL
Orientation 90.0 deg

DEFIANCE MINING

Mathinna Joint Venture
New Golden Gate Prospect
Tenement ML 43M/89
Section 5406745mN

Date:6/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS069
Projection: Custom Projection	

Scale: 1:500

0 7.5 15 30
metres

574500mE

574550mE

574600mE

300mRL

250mRL

200mRL

MT051

MT053

MT054

MT055

MT056

MT064

43.0m

67.0m

40.0m

114.0m

115.0m

145.0m

22.2

56.6

8700

8500

8100

99_4371

Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna

Connemara Gold Mines Pty Ltd*; Defiance Mining NL

Jackson, D.G. ML43M/89

498031

5 cm

Scale 1:500
Section Origin (top left)
574470 m E
5406765 m N
320 m RL
Orientation 90.0 deg

HoleID

Au Histogram 1 mm/unit at 1:500

Au Text

As Histogram 0.002 mm/unit at 1:500

As Text

EOH

Gold (ppm)

0 - 0.1

0.1 - 1

1 - 5000

Arsenic (ppm)

0 - 100

100 - 1000

1000 - 100000

DEFIANCE MINING

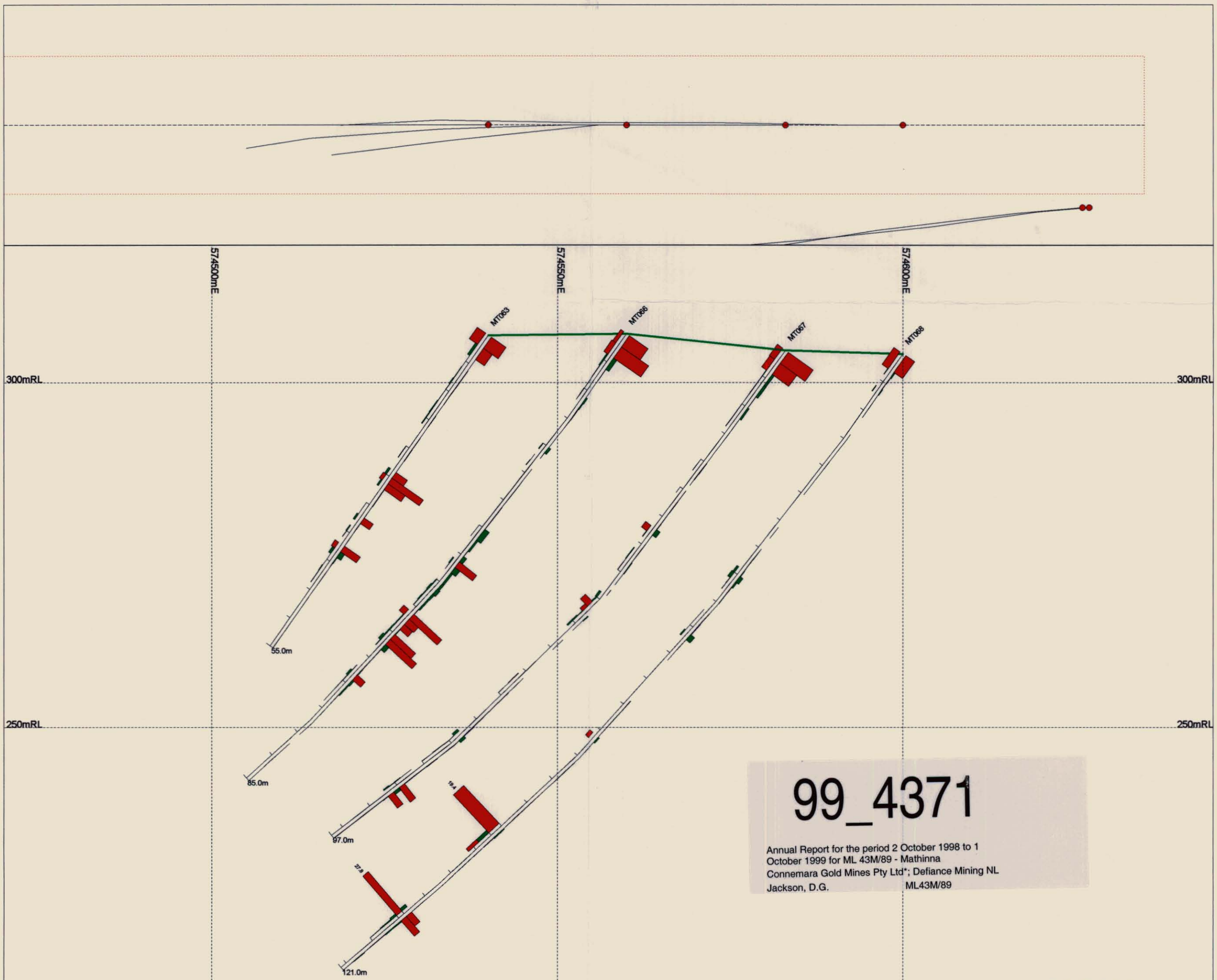
Mathinna Joint Venture
New Golden Gate Prospect
Tenement ML 43M/89
Section 5406765mN

Date:6/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS070
Projection: Custom Projection	

Scale: 1:500

0 7.5 15 30

metres



99_4371

Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna
Connemara Gold Mines Pty Ltd*; Defiance Mining NL
Jackson, D.G. ML43M/89

498032

5 cm

Scale 1:500
Section Origin (top left)
574470 m E
5406785 m N
320 m RL
Orientation 90.0 deg

HoleID
Au Histogram 1 mm/unit at 1:500
As Histogram 0.002 mm/unit at 1:500
Au Text
As Text
EOH

Gold (ppm)	Arsenic (ppm)
0 - 0.1	0 - 100
0.1 - 1	100 - 1000
1 - 5000	1000 - 100000

DEFIANCE MINING

Mathinna Joint Venture
New Golden Gate Prospect
Tenement ML 43M/89
Section 5406785mN

Date:6/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS071
Projection: Custom Projection	

Scale: 1:500
0 7.5 15 30
metres

574400 mE

574500 mE

574600 mE

5406800 mN

5406700 mN

5406600 mN

5406500 mN

Sophie's Reef

Loane's Reef (?)

Dylan's Reef

Tasmanian Consolidated

Loane's Reef

Upper West Reef (?)

Upper West Reef

Central Reef

Main Reef

New Golden Gate

Upper West Reef (?)

Loane's Reef

498033

99_4371

Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna

Connemara Gold Mines Pty Ltd*; Defiance Mining NL

Jackson, D.G. ML43M/89

5 cm

Shaft

Old Workings at 2 Level (271.5m RL)

Quartz Sulphide Reef Structure

DEFIANCE MINING

Mathinna Joint Venture
Interpretive Level Plan
275mRL
ML 43M/89

Date:7/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS092
Projection: AMG Zone 55 (AGD 84)	

Scale: 1:1000

0 12.5 25 50

metres

574400 mE

574500 mE

574600 mE

5406800 mN

5406700 mN

5406600 mN

5406500 mN

Sophie's Reef

Dylan's Reef

Tasmanian Consolidated

Loane's Reef (?)

Upper Western Reef

Main Reef

New Golden Gate

Loane's Reef

5 cm

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Annual Report for the period 2 October 1998 to 1 October 1999 for ML 43M/89 - Mathinna

Connemara Gold Mines Pty Ltd*; Defiance Mining NL

Jackson, D.G. ML43M/89

498034

Shaft

Old Workings at 3 Level (253m RL)

Quartz Sulphide Reef Structure

DEFIANCE MINING

Mathinna Joint Venture
Interpretive Level Plan
250mRL
ML 43M/89

Date:7/9/1999	Geologist: DG Jackson
Author: TC Downs	Plan No: TAS091
Projection: AMG Zone 55 (AGD 84)	

Scale: 1:1000

0 12.5 25 50

metres

DEFIANCE MINING NL
A.C.N. 009161522

ANNUAL REPORT FOR THE PERIOD

2 OCTOBER 1998 TO 1 OCTOBER 1999

FOR ML 43M/89 – MATHINNA

Volume 2
Appendices 1, 2, 3, 4 and 5

498036

APPENDIX 1

Historical Soil Geochemical Data

APPENDIX 2

RC Drill Logs

Mathinna Project - RC Logging Codes

Colour	l	light
	d	dark
	br	brown
	y	yellow
	gr	grey
	g	green
	cm	cream
	bl	black
	kh	khaki
Rock Types	fg	fine grained
	vfg	very fine grained
	cg	coarse grained
Mineralisation	tr	trace
	fe	ferruginous
	ox	oxidised
	su	sulphide
	py	pyrite
	asp	arsenopyrite
	po	pyrrhotite
	cpy	chalcopyrite
	vg	visible gold
	cvg	coarse visible gold
	cg	coarse grained
Alteration	bio	biotite
	carb	carbonate
	py	pyrite
Quartz	w	white
	fe	ferruginous
	gr	grey
	cm	cream

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574461.5m	**Hole No**	RC98MT027
Date Commenced	28.10.98	**Drillers**	Diamond Drill Tas	**Northing**	5406600m	**Azimuth**	290 AMG
Date Completed	29.10.98	**Hole Depth**	91m	**RL**	325.9m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Siltstone, oxidised			1		0	2	105001
1	2	lbr	Siltstone, oxidised			0.5		2	4	105002
2	3	lbr	Siltstone, oxidised			0.5		4	6	105003
3	4	lbr	Siltstone, oxidised			0.5		6	8	105004
4	5	lbr	Siltstone, oxidised			0		8	10	105005
5	6	lbr	Siltstone, oxidised			0		10	12	105006
6	7	lbr	Siltstone, oxidised			0		12	14	105007
7	8	lbr	Siltstone, oxidised			0		14	16	105008
8	9	lbr	Siltstone, oxidised			0		16	17	105009
9	10	lybr	Siltstone, oxidised			0		17	19	105010
10	11	lybr	Siltstone, oxidised			0		19	21	105011
11	12	lybr	Siltstone, oxidised			0		21	23	105012
12	13	lybr	Siltstone, oxidised			0		23	25	105013
13	14	lybr	Siltstone, oxidised			0		25	27	105014
14	15	lybr	Siltstone, oxidised			0		27	29	105015
15	16	lybr	Siltstone, oxidised			0.5				
16	17	lybr	Siltstone, oxidised			70	fe			
17	18	lybr	Siltstone, oxidised			15	fe			
18	19	lybr	Siltstone, partially oxidised			15	fe			
19	20	lybr	Siltstone, partially oxidised			2				
20	21	lgr	Siltstone, fresh trace oxidisation	Tr ox asp		1				
21	22	lgr	Siltstone, fresh trace oxidisation	Tr ox asp		10				
22	23	lgr	Siltstone, fresh trace oxidisation	Tr ox asp		10				
23	24	lgr	Siltstone, fresh trace oxidisation	1% ox asp		50	w			
24	25	lgr	Siltstone,fresh	1% ox asp/py		50	w			
25	26	lgr	Siltstone, fresh	2% asp		40	w			
26	27	lgr	Siltstone/Siltstone, fresh	tr asp		10	w			
27	28	lgr	Siltstone, fresh	tr asp		2	w			
28	29	lgr	Siltstone, fresh	tr asp		3	w			
29	30	lgr	Siltstone, fresh	tr asp		3	w			

4980639

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574461.5m	**Hole No**	RC98MT027
Date Commenced	28.10.98	**Drillers**	Diamond Drill Tas	**Northing**	5406600m	**Azimuth**	290 AMG
Date Completed	29.10.98	**Hole Depth**	91m	**RL**	325.9m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh	1% asp		5	w	29	31	105016
31	32	lgr	Siltstone/Siltstone, fresh	tr asp		1		31	33	105017
32	33	lgr	Siltstone/Siltstone, fresh	0.5 asp		2		33	35	105018
33	34	lgr	Siltstone, fresh	5% asp		70	w	35	37	105019
34	35	lgr	Siltstone, fresh	5% asp		90	w	37	39	105020
35	36	lgr	Siltstone, fresh	5% asp		80	w	39	41	105021
36	37	lgr	Siltstone, fresh	1% asp		10	w	41	42	105022
37	38	lgr	Siltstone, fresh	tr asp		1		42	43	105023
38	39	lgr	Siltstone, fresh	1% asp		10	w	43	44	105024
39	40	lgr	Siltstone, fresh	2% asp		50	w	44	45	105025
40	41	lgr	Siltstone, fresh	1% asp		20	w	45	46	105026
41	42	lgr	Siltstone, fresh	1% asp		60	w	46	48	105027
42	43	lgr	Siltstone, fresh	10% asp		90	w&gr	48	49	105028
43	44	lgr	Siltstone, fresh	3% asp		70	w&gr	49	51	105029
44	45	lgr	Siltstone, fresh	3% asp		90	w	51	52	105030
45	46	gr	Siltstone, fresh	3% asp/py		90	w	52	54	105031
46	47	gr	Siltstone, fresh	1% asp		30	w	54	56	105032
47	48	gr	Siltstone, fresh	tr asp/py		2	w	56	58	105033
48	49	gr	Siltstone, fresh	1% asp		50	w	58	60	105034
49	50	lgr	Siltstone, fresh	tr Su		1	w			
50	51	lgr	Siltstone, fresh	tr asp		3	w			
51	52	lgr	Siltstone, fresh	2% asp		60	w&gr			
52	53	l&dgr	Siltstone/Siltstone, fresh	tr Su		1	w			
53	54	lgr	Siltstone, fresh	tr Su		0.5	w			
54	55	lgr	Siltstone, fresh	tr Su		0				
55	56	lgr	Siltstone/Siltstone, fresh	0.5% asp		3	w			
56	57	lgr	Siltstone/Siltstone, fresh	tr asp		1	w			
57	58	l&dgr	Siltstone, fresh			0				
58	59	lgr	Siltstone, fresh			0				
59	60	lgr	Siltstone, fresh			0				

4980440

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574461.5m	**Hole No**	RC98MT027
Date Commenced	28.10.98	**Drillers**	*Diamond Drill Tas*	***Northing***	*5406600m*	***Azimuth***	290 AMG
Date Completed	29.10.98	**Hole Depth**	91m	**RL**	325.9m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh			0.5		60	62	105035
61	62	lgr	Siltstone, fresh			0.5		62	64	105036
62	63	lgr	Siltstone, fresh			0.5		64	67	105037
63	64	lgr	Siltstone, fresh			0.5		67	69	105038
64	65	lgr	Siltstone, fresh			0		69	71	105039
65	66	lgr	Siltstone, fresh			1	w	71	72	105040
66	67	lgr	Siltstone, fresh			0		72	74	105041
67	68	lgr	Siltstone, fresh			3	w	74	76	105042
68	69	lgr	Siltstone, fresh	tr asp		2	w	76	78	105043
69	70	lgr	Siltstone, fresh	tr asp		10	w	78	80	105044
70	71	l&dgr	Siltstone, fresh	1% py/asp	bio	10	w	80	82	105045
71	72	l&dgr	Siltstone, fresh	1% py/asp	bio	30	w	82	84	105046
72	73	l&dgr	Siltstone, fresh	Tr Su	bio	10	w	84	86	105047
73	74	l&dgr	Siltstone, fresh	Tr Su	bio	1	w	86	88	105048
74	75	l&dgr	Siltstone, fresh	Tr Su	bio	5	w	88	91	105049
75	76	lgr	Sandstone, fresh	Tr Su		5	w			
76	77	lgr	Sandstone & Siltstone, fresh	Tr Su		10	w			
77	78	l&dgr	Siltstone, fresh	Tr Su	bio	5	w			
78	79	lgr	Siltstone & Sandstone, fresh	Tr py/asp		1	w			
79	80	lgr	Siltstone & Siltstone, fresh			0.5				
80	81	lgr	Siltstone, fresh & minor Sandstone			0.5				
81	82	l&dgr	Siltstone, fresh	Tr Su		3	w			
82	83	l&dgr	Siltstone, fresh			2	w			
83	84	l&dgr	Siltstone, fresh			0.5				
84	85	l&dgr	Siltstone, fresh			1				
85	86	lgr	Siltstone, fresh	1% py		2	w			
86	87	lgr	Siltstone & Siltstone, fresh			0				
87	88	l&dgr	Siltstone, fresh	3% py		0.5	w			
88	89	lgr	Siltstone & Siltstone, fresh	1% py		0.5	w			
89	90	lgr	Siltstone & Siltstone, fresh	Tr py		0.5	w			

4930411

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574461.5m	**Hole No**	RC98MT027
)ate Commenced	28.10.98	**Drillers**	Diamond Drill Tas	**Northing**	5406600m	**Azimuth**	290 AMG
)ate Completed	29.10.98	**Hole Depth**	91m	**RL**	325.9m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	l&dgr	Siltstone & Siltstone, fresh			0		Surveys		
91	92									
92	93		EOH at 91m					Depth	Azimuth	Inclination
93	94							30	280	61
94	95							60	277	61
95	96									
96	97									
97	98									
98	99									
99	100									
100	101									
101	102									
102	103									
103	104									
104	105									
105	106									
106	107									
107	108									
108	109									
109	110									
110	111									
111	112									
112	113									
113	114									
114	115									
115	116									
116	117									
117	118									
118	119									
119	120									

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574460.9m	**Hole No**	RC98MT028
Date Commenced	29.10.98	**Drillers**	Diamond Drill Tas	**Northing**	5406586.9m	**Azimuth**	270 AMG
Date Completed	30.10.98	**Hole Depth**	80m	**RL**	326.4m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Siltstone, weathered			50	fe	0	2	105050
1	2	lbr	Siltstone, weathered			50	fe	2	4	105051
2	3	lbr	Siltstone, weathered			60	fe	4	6	105052
3	4	lbr	Siltstone, weathered			20	fe	6	8	105053
4	5	lbr	Siltstone, weathered			2		8	10	105054
5	6	lbr	Siltstone, weathered			0.5		10	12	105055
6	7	lbr	Siltstone, weathered			1		12	14	105056
7	8	lbr	Siltstone, weathered			0		14	16	105057
8	9	lbr	Siltstone, weathered			2	fe	16	18	105058
9	10	lbr	Siltstone, weathered			0.5		18	20	105059
10	11	lbr	Siltstone, weathered	Tr asp		1		20	22	105060
11	12	lybr	Siltstone, weathered			0		22	24	105061
12	13	lybr	Siltstone, weathered			0		24	26	105062
13	14	lybr	Siltstone, weathered			0		26	27	105063
14	15	lybr	Siltstone, weathered			0		27	28	105064
15	16	lybr	Siltstone, weathered			1		28	30	105065
16	17	lybr	Siltstone, weathered			0				
17	18	lybr	Siltstone, weathered			0.5				
18	19	lybr	Siltstone, weathered			0				
19	20	lybr	Siltstone, weathered			1				
20	21	lgr	Siltstone, partly weathered	Tr asp		2	w			
21	22	lgr	Siltstone, fresh	0.5% asp		2	gr			
22	23	lgr	Siltstone, fresh	0.5% asp		2	gr			
23	24	lgr	Siltstone, fresh	Tr asp		0				
24	25	lgr	Siltstone, fresh	Tr asp		0				
25	26	lgr	Siltstone, fresh			1	w			
26	27	lgr	Siltstone, fresh	0.5% asp/py		80	gr			
27	28	lgr	Siltstone, fresh	0.5% asp/py		70	gr			
28	29	lgr	Siltstone, fresh	0.5% asp		2	grw			
29	30	lgr	Siltstone, fresh	Tr asp		2	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574460.9m	**Hole No**	RC98MT028
Date Commenced	29.10.98	**Drillers**	Diamond Drill Tas	**Northing**	5406586.9m	**Azimuth**	270 AMG
Date Completed	30.10.98	**Hole Depth**	80m	**RL**	326.4m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh			1	w	31	33	105066
31	32	lgr	Siltstone, fresh	Tr asp		1	w	33	34	105067
32	33	lgr	Siltstone, fresh	1 % asp/py		1	w	34	35	105068
33	34	lgr	Siltstone, fresh	5% asp/py		50	grw	35	37	105069
34	35	lgr	Siltstone, fresh	10% asp		70	grw	37	39	105070
35	36	lgr	Siltstone, fresh	1% asp		40	w	39	40	105071
36	37	lgr	Siltstone, fresh	1% asp		30	w	40	42	105072
37	38	lgr	Siltstone, fresh	Tr asp		20	w	42	44	105073
38	39	lgr	Siltstone, fresh	Tr asp		5	w	44	46	105074
39	40	lgr	Siltstone, fresh	5% asp		80	grw	46	48	105075
40	41	lgr	Siltstone, fresh	1 % asp/py		1	grw	48	50	105076
41	42	lgr	Siltstone, fresh	Tr Su		40	w	50	51	105077
42	43	lgr	Siltstone, fresh	Tr Su		50	w	51	53	105078
43	44	lgr	Siltstone, fresh - first damp sample at rod change	1 % asp/py		60	w	53	55	105079
44	45	lgr	Siltstone, fresh	2% asp		15	w	55	56	105080
45	46	lgr	Siltstone, fresh	0.5% asp		5	w	56	57	105081
46	47	lgr	Siltstone, fresh	0.5% asp/py		5	w	57	58	105082
47	48	lgr	Siltstone, fresh	1 % asp/py		3	wgr	58	59	105083
48	49	lgr	Siltstone, fresh	1% asp		5	wgr	59	60	105084
49	50	lgr	Siltstone, fresh	2% asp		10	grw			
50	51	lgr	Siltstone, fresh	3% asp		40	grw			
51	52	lgr	Siltstone, fresh	2% asp		10	grw			
52	53	lgr	Siltstone, fresh	3% asp		30	grw			
53	54	lgr	Siltstone, fresh	2% asp		20	grw			
54	55	lgr	Siltstone, fresh	2% asp		20	grw			
55	56	lgr	Siltstone, fresh	0.5% asp		5	grw			
56	57	lgr	Siltstone, fresh	3% asp		50	grw			
57	58	lgr	Siltstone, fresh	0.5% asp		50	w			
58	59	lgr	Siltstone, fresh - Wet samples after here	2% asp		30	w			
59	60	lgr	Siltstone, fresh	3% asp		60	grw			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	Geologist	D G Jackson	Easting	574460.9m	Hole No	RC98MT028
Date Commenced	29.10.98	Drillers	Diamond Drill Tas	Northing	5406586.9m	Azimuth	270 AMG
Date Completed	30.10.98	Hole Depth	80m	RL	326.4m	Inclination	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	0.5% asp		90	grw	60	61	105085
61	62	lgr	Siltstone, fresh	3% asp		80	grw	61	62	105086
62	63	lgr	Siltstone, fresh	2% asp		50	grw	62	63	105087
63	64	lgr	Siltstone, fresh	2% asp		70	grw	63	64	105088
64	65	lgr	Siltstone, fresh	1% asp		60	wgr	64	65	105089
65	66	lgr	Siltstone, fresh	5% asp		90	wgr	65	66	105090
66	67	lgr	Siltstone, fresh	2% asp		80	w	66	67	105091
67	68	lgr	Siltstone, fresh	2% asp		95	w	67	68	105092
68	69	lgr	Siltstone, fresh	3% asp		95	grw	68	69	105093
69	70	dgr	Siltstone, fresh	2% asp/py		50	w	69	70	105094
70	71	dgr	Siltstone, fresh	0.5% asp		80	w	70	71	105095
71	72	dgr	Siltstone, fresh			2	w	71	73	105096
72	73	dgr	Siltstone, fresh	0.5% asp/py		10	w	73	74	105097
73	74	dgr	Siltstone, fresh	0.5% asp		50	wfe	74	75	105098
74	75	dgr	Siltstone, fresh	0.5% asp/py		15	wfe	75	76	105099
75	76	dgr	Siltstone, fresh	2% asp/py		30	wgrfe	76	78	105100
76	77	l&dgr	Siltstone, fresh with minor timber - backfilled stope	1%asp		50	wgr	78	80	105101
77	78	dgr	Siltstone, fresh with minor timber - backfilled stope	1%asp		90	wgr			
78	79	dgr	Siltstone, fresh with minor timber - backfilled stope	Tr asp		10	w			
79	80	dgr	Siltstone, fresh with minor timber - backfilled stope	1%asp		70	wgrfe			
80	81									
81	82		EOH at 80m					Surveys		
82	83		Abandoned in backfilled stope							
83	84							Depth	Azimuth	Inclination
84	85							30	262	62.5
85	86							60	262	65
86	87									
87	88									
88	89									
89	90									

4980435

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	*D G Jackson*	**Easting**	574461.1m	**Hole No**	RC98MT029
Date Commenced	30.10.98	**Drillers**	Diamond Drill Tas	**Northing**	5406625.6m	**Azimuth**	270 AMG
Date Completed	31.10.98	**Hole Depth**	139m	**RL**	326.3m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	*Mineralisation*	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Siltstone, weathered			0		0	2	105102
1	2	lbr	Siltstone, weathered			0		2	4	105103
2	3	lbr	Siltstone, weathered			1	fe	4	6	105104
3	4	lbr	Siltstone, weathered			0		6	8	105105
4	5	lbr	Siltstone, weathered			0		8	10	105106
5	6	lbr	Siltstone, weathered	Tr ox asp		5	fe gr w	10	12	105107
6	7	lbr	Siltstone, weathered	V fe qtz		20	fe	12	14	105108
7	8	lbr	Siltstone, weathered			15	fe	14	16	105109
8	9	lbr	Siltstone, weathered			1		16	18	105110
9	10	lbr	Siltstone, weathered			1	fe	18	20	105111
10	11	lbr	Siltstone, weathered			3	fe	20	22	105112
11	12	lbr	Siltstone, weathered			3	fe	22	24	105113
12	13	lbr	Siltstone, weathered	Tr ox asp		2	fe	24	26	105114
13	14	lbr	Siltstone, weathered			30	fe w	26	28	105115
14	15	lbr	Siltstone, weathered			5	fe w	28	30	105116
15	16	lbr	Siltstone, weathered			80	fe w			
16	17	lbr	Siltstone, weathered			1	fe w			
17	18	lbr	Siltstone, weathered			1	fe w			
18	19	lbr	Siltstone, weathered	Tr asp		3	fe w gr			
19	20	lbr	Siltstone, weathered			3	fe w			
20	21	lbrgr	Siltstone, weathered			30	fe w			
21	22	lgr	Siltstone, partially weathered			1	w			
22	23	lgr	Siltstone, partially weathered			1	fe w			
23	24	lgr	Siltstone, partially weathered			1	w			
24	25	lgr	Siltstone, partially weathered	0.5% asp		2	gr w			
25	26	lgr	Siltstone, fresh			1	w			
26	27	lgr	Siltstone, fresh			0				
27	28	lgr	Siltstone, fresh			0				
28	29	lgr	Siltstone, fresh	1% asp		5	gr w			
29	30	lgr	Siltstone, fresh	2% asp		10	gr w			

4980419

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574461.1m	**Hole No**	RC98MT029
Date Commenced	30.10.98	**Drillers**	Diamond Drill Tas	**Northing**	5406625.6m	**Azimuth**	270 AMG
Date Completed	31.10.98	**Hole Depth**	139m	**RL**	326.3m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh	2% asp		10	gr w	30	31	105117
31	32	lgr	Siltstone, fresh	1% asp		60	w	31	32	105118
32	33	lgr	Siltstone, fresh	1% asp		60	w gr	32	33	105119
33	34	lgr	Siltstone, fresh	1% asp		95	w gr	33	34	105120
34	35	lgr	Siltstone, fresh	2% asp		80	w gr	34	35	105121
35	36	dgr	Siltstone, fresh	5% asp & vg		98	w gr	35	36	105122
36	37	lgr	Siltstone, fresh	5% asp		80	w gr	36	37	105123
37	38	lgr	Siltstone, fresh Damp	5% asp		50	gr w	37	38	105124
38	39	lgr	Siltstone, fresh	2% asp		30	w gr	38	39	105125
39	40	lgr	Siltstone, fresh	0.5% asp		20	w	39	41	105126
40	41	lgr	Siltstone, fresh	1% asp		30	w gr	41	43	105127
41	42	dgr	Siltstone, fresh	Tr asp	bio	30	w	43	45	105128
42	43	dgr	Siltstone, fresh	1% asp	bio	30	w gr	45	47	105129
43	44	l &dgr	Siltstone, fresh		bio	1	w	47	48	105130
44	45	lgr	Siltstone, fresh	Tr asp		1	gr w	48	49	105131
45	46	dgr	Siltstone, fresh		bio	15	w	49	51	105132
46	47	l &dgr	Siltstone, fresh	Tr asp	bio	20	w	51	52	105133
47	48	dgr	Siltstone, fresh	3% asp	bio	60	gr w	52	53	105134
48	49	dgr	Siltstone, fresh	2% asp	bio	60	w gr	53	54	105135
49	50	dgr	Siltstone & minor Sandstone, fresh		bio	0.5	w	54	56	105136
50	51	dgr	Siltstone, fresh	Tr asp		20	w	56	58	105137
51	52	d & lgr	Siltstone, fresh	3% asp		95	gr w	58	59	105138
52	53	lgr	Siltstone, fresh	5% asp		95	gr w	59	60	105139
53	54	lgr	Siltstone, fresh	3% py/asp		20	gr			
54	55	lgr	Siltstone, fresh	0.5% asp		2	gr			
55	56	lgr	Siltstone, fresh			0				
56	57	lgr	Siltstone, fresh	1% asp		20	gr			
57	58	lgr	Siltstone, fresh	0.5% asp/py		3	w			
58	59	lgr	Siltstone, fresh	2% asp/py		70	gr			
59	60	lgr	Siltstone, fresh			0.5	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574461.1m	**Hole No**	RC98MT029
Date Commenced	30.10.98	**Drillers**	Diamond Drill Tas	**Northing**	5406625.6m	**Azimuth**	270 AMG
Date Completed	31.10.98	**Hole Depth**	139m	**RL**	326.3m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	0.5% asp		10	w	60	62	105140
61	62	lgr	Siltstone, fresh	1% asp		40	w gr fe	62	64	105141
62	63	lgr	Siltstone, fresh, trace fe			0		64	66	105142
63	64	lgr	Siltstone, fresh, trace fe			0		66	68	105143
64	65	lgr	Siltstone, fresh, trace fe			0		68	70	105144
65	66	lgr	Siltstone, fresh, trace fe	Tr asp		0		70	72	105145
66	67	lgr	Siltstone, fresh, trace fe			0		72	74	105146
67	68	lgr	Siltstone, fresh, trace fe	Tr asp		1	w	74	76	105147
68	69	dgr	Siltstone, fresh			0		76	78	105148
69	70	dgr	Siltstone, fresh			0.5	w	78	80	105149
70	71	l & dgr	Siltstone, fresh	Tr asp		10	w	80	81	105150
71	72	l & dgr	Siltstone, fresh			1	w	82	84	105151
72	73	l & dgr	Siltstone, fresh	Tr asp		3	w	84	87	105152
73	74	l & dgr	Siltstone, fresh			5	w	87	89	105153
74	75	l & dgr	Siltstone, fresh			3	w	89	91	105154
75	76	lgr	Siltstone, fresh			0				
76	77	lgr	Siltstone, fresh			0				
77	78	lgr	Siltstone, fresh			0				
78	79	lgr	Siltstone, fresh			0				
79	80	lgr	Siltstone & Sandstone, fresh			1	w			
80	81	l & dgr	Siltstone, fresh	Tr py/asp		1	w			
81	82	lgr	Siltstone, fresh			0				
82	83	l & dgr	Siltstone, fresh			5	w			
83	84	lgr	Siltstone, fresh			0.5	w			
84	85	lgr	Siltstone, fresh			0				
85	86	l & dgr	Siltstone & Sandstone, fresh			0				
86	87	l & dgr	Siltstone, fresh			0.5	w			
87	88	lgr	Siltstone & Sandstone, fresh	Tr asp		15	w			
88	89	lgr	Siltstone & Sandstone, fresh	Tr py/asp		15	w			
89	90	lgr	Siltstone, fresh	1% py		0				

4980048

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	Geologist	D G Jackson	Easting	574461.1m	Hole No	RC98MT029
Date Commenced	30.10.98	Drillers	Diamond Drill Tas	Northing	5406625.6m	Azimuth	270 AMG
Date Completed	31.10.98	Hole Depth	139m	RL	326.3m	Inclination	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	l & dgr	Siltstone & Sandstone, fresh			0.5	w	91	93	105155
91	92	lgr	Sandstone, fresh	Tr py/asp		1	w	93	95	105156
92	93	lgr	Sandstone, fresh	Tr py		0		95	97	105157
93	94	l & dgr	Siltstone, fresh			0		97	99	105158
94	95	lgr	Siltstone & minor Sandstone, fresh	Tr asp		30	w	99	101	105159
95	96	l & dgr	Siltstone, fresh			0.5	w	101	103	105160
96	97	lgr	Siltstone, fresh			0		103	105	105161
97	98	lgr	Siltstone, fresh			0		105	107	105162
98	99	l & dgr	Siltstone, fresh	Tr py		0		107	110	105163
99	100	lgr	Siltstone, fresh			0.5		110	112	105164
100	101	l & dgr	Siltstone, fresh		bio	0		112	114	105165
101	102	l & dgr	Siltstone, fresh		bio	0		114	115	105166
102	103	lgr	Siltstone, fresh			0		115	116	105167
103	104	l & dgr	Siltstone, fresh	Tr py		1	w	116	118	105168
104	105	lgr	Siltstone, fresh			0		118	120	105169
105	106	lgr	Siltstone, fresh			0				
106	107	l & dgr	Siltstone, fresh	Tr asp		0				
107	108	l & dgr	Siltstone, fresh	Tr asp/py		0.5				
108	109	l & dgr	Siltstone, fresh			0				
109	110	l & dgr	Siltstone, fresh			0				
110	111	l & dgr	Siltstone, fresh			0				
111	112	l & dgr	Siltstone, fresh	Tr asp		0.5	w			
112	113	l & dgr	Siltstone, fresh	Tr py		0.5	w			
113	114	lgr	Siltstone & minor Sandstone, fresh			0.5				
114	115	lgr	Siltstone, fresh	2% asp		20	w gr			
115	116	lgr	Siltstone, fresh Damp	3% asp		60	w gr			
116	117	lgr	Siltstone, fresh	1% asp		3	gr			
117	118	lgr	Siltstone, fresh	Tr asp		1	gr			
118	119	lgr	Siltstone, fresh	0.5% asp		2	gr			
119	120	lgr	Siltstone, fresh	0.5% asp/py		1	gr			

4980449

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574461.1m	**Hole No**	RC98MT029
Date Commenced	30.10.98	**Drillers**	Diamond Drill Tas	**Northing**	5406625.6m	**Azimuth**	270 AMG
Date Completed	31.10.98	**Hole Depth**	139m	**RL**	326.3m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
120	121	lgr	Siltstone, fresh	1% asp		3	gr w	120	122	105170
121	122	lgr	Siltstone, fresh			0		122	124	105171
122	123	lgr	Siltstone, fresh	1% asp		25	gr w	124	125	105172
123	124	lgr	Siltstone, fresh	Tr asp		10	w	125	127	105173
124	125	dgr	Siltstone & Shale, fresh	1% asp		50	w	127	129	105174
125	126	dgr	Siltstone & Shale, fresh	1% py		1	w	129	131	105175
126	127	dgr	Siltstone & Shale, fresh	0.5% py		2	w	131	133	105176
127	128	dgr	Siltstone & Shale, fresh			0.5	w	133	135	105177
128	129	dgr	Siltstone, fresh			2	ww	135	137	105178
129	130	dgr	Siltstone, fresh	Tr asp		0.5	gr w	137	139	105179
130	131	dgr	Siltstone & Shale, fresh	0.5% asp		5	w gr			
131	132	dgr	Siltstone & Shale, fresh	0.5% py/asp		2	w gr			
132	133	dgr	Siltstone & Shale, fresh	1% py/asp		5	w gr			
133	134	dgr	Siltstone & Shale, fresh	Tr asp		10	w gr			
134	135	dgr	Siltstone & Shale, fresh	Tr asp		10	w gr			
135	136	dgr	Siltstone & Shale, fresh			0				
136	137	dgr	Siltstone & Shale, fresh			0				
137	138	lgr	Siltstone, fresh	Tr asp		1	w			
138	139	lgr	Siltstone, fresh			0				
139	140									
140	141		EOH at 139m					Surveys		
141	142									
142	143							Depth	Azimuth	Inclination
143	144							30	262	59
144	145							60	264	58.5
145	146							90	263	60.5
146	147							120	262	62.5
147	148									
148	149									
149	150									

498050

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574438m	**Hole No**	RC98MT030
Date Commenced	31.10.98	**Drillers**	Diamond Drillers Tas	**Northing**	5406605.5m	**Azimuth**	270 AMG
Date Completed	1.11.98	**Hole Depth**	73m	**RL**	338.7m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	Lbr	Siltstone, weathered			0		0	2	105180
1	2	lbr	Siltstone, weathered			2	w fe	2	4	105181
2	3	lybr	Siltstone, weathered			2	w fe	4	6	105182
3	4	lybr	Siltstone, weathered			2	w fe	6	8	105183
4	5	lybr	Siltstone, weathered			0		8	9	105184
5	6	lybr	Siltstone, weathered			0		9	10	105185
6	7	lybr	Siltstone, weathered			0		10	12	105186
7	8	lybr	Siltstone, weathered			0		12	14	105187
8	9	lybr	Siltstone, weathered, ferruginous			10	w fe	14	16	105188
9	10	lybr	Siltstone, weathered	1 vg		90	w fe	16	18	105189
10	11	lybr	Siltstone, weathered			2	w fe	18	20	105190
11	12	lybr	Siltstone, weathered			0		20	22	105191
12	13	lybr	Siltstone, weathered			0		22	34	105192
13	14	lbr	Siltstone, weathered			1	w fe	24	25	105193
14	15	lbr	Siltstone, weathered			1	w fe	25	27	105194
15	16	lbr	Siltstone, weathered			0.5	w fe	27	29	105195
16	17	lbr	Siltstone, weathered			2	fe w			
17	18	lbr	Siltstone, weathered			15	fe w			
18	19	lbr	Siltstone & Shale, weathered			0				
19	20	lbr	Siltstone & Shale, weathered			0				
20	21	lbr	Siltstone & Shale, weathered			10	w gr fe			
21	22	lbr	Siltstone & Shale, weathered			2	w fe			
22	23	lbr	Siltstone & Shale, weathered			1	w fe			
23	24	lbr	Siltstone & Shale, weathered			0				
24	25	lbr	Siltstone & Shale, weathered	v fe qtz		30	fe w			
25	26	lbr	Siltstone & Shale, weathered			0				
26	27	lbr	Siltstone & Shale, weathered			0				
27	28	dbr	Siltstone & Shale, weathered			0				
28	29	dbr	Siltstone & Shale, weathered			1	fe w			
29	30	lbr	Siltstone & Shale, weathered			0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574438m	**Hole No**	RC98MT030
ate Commenced	31.10.98	**Drillers**	Diamond Drillers Tas	**Northing**	5406605.5m	**Azimuth**	270 AMG
ate Completed	1.11.98	**Hole Depth**	73m	**RL**	338.7m	**Inclination**	60

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lbr	Siltstone & Shale, weathered			0		29	31	150196
31	32	lbr	Siltstone & Shale, weathered			1	w fe	31	34	150197
32	33	dgr	Siltstone & Shale, partly weathered			1	w fe	34	36	150198
33	34	dgr	Siltstone & Shale, partly weathered			0		36	37	150199
34	35	dgr	Siltstone & Shale, partly weathered			0		37	38	150200
35	36	dgr	Siltstone & Shale, partly weathered			0		38	40	150201
36	37	dgr	Siltstone, fresh	2% asp		50	w gr	40	42	150202
37	38	l&dgr	Siltstone, fresh	Tr asp		50	w	42	44	150203
38	39	l&dgr	Siltstone, fresh			2	w	44	47	150204
39	40	l&dgr	Siltstone, fresh			3	w	47	49	150205
40	41	l&dgr	Siltstone, fresh	0.5% asp		5	w	49	51	150206
41	42	lgr	Siltstone, fresh			3	w	51	53	150207
42	43	lgr	Siltstone, fresh			5	w	53	55	150208
43	44	lgr	Siltstone & Sandstone, fresh	Tr asp		3	w	55	58	150209
44	45	lgr	Sandstone, fg, fresh	Tr asp		1	w	58	60	150210
45	46	lgr	Sandstone, fg, fresh	Tr asp		2	w	60	61	150211
46	47	lgr	Sandstone, fg, fresh	Tr asp		3	w	61	63	150212
47	48	lgr	Sandstone, fg, fresh	Tr py		40	w	63	65	150213
48	49	lgr	Sandstone, fg, fresh	Tr py		40	w			
49	50	lgr	Sandstone, fg, fresh			3	w			
50	51	lgr	Siltstone & Sandstone, fresh	0.5% py		30	w			
51	52	lgr	Sandstone & Siltstone, fresh			3	w			
52	53	lgr	Sandstone & Siltstone, fresh			10	w			
53	54	lgr	Sandstone & Siltstone, fresh			5	w			
54	55	lgr	Sandstone & Siltstone, fresh			30	w			
55	56	lgr	Sandstone & Siltstone, fresh	Tr py		3	w			
56	57	lgr	Sandstone & Siltstone, fresh			5	w			
57	58	lgr	Siltstone & Sandstone, fresh			3	w			
58	59	lgr	Siltstone & Sandstone, fresh			1	w			
59	60	lgr	Siltstone, fresh			1	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	***Geologist***	*D G Jackson*	**Easting**	574438m	**Hole No**	RC98MT030
ate Commenced	31.10.98	**Drillers**	Diamond Drillers Tas	**Northing**	5406605.5m	**Azimuth**	270 AMG
ate Completed	1.11.98	**Hole Depth**	73m	**RL**	338.7*m*	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	Tr py		50	w gr	60	61	150211
61	62	lgr	Siltstone, fresh	1% py Tr asp		2	w	61	63	150212
62	63	lgr	Siltstone, fresh			0		63	65	150213
63	64	lgr	Siltstone, fresh			5	w	65	67	105214
64	65	lgr	Siltstone, fresh	0.5% py		15	w	67	69	105215
65	66	lgr	Siltstone, fresh	Tr py		10	w	69	71	105216
66	67	lgr	Siltstone, fresh			2	w	71	73	105217
67	68	lgr	Siltstone, fresh			0				
68	69	lgr	Siltstone, fresh			0.5	w			
69	70	lgr	Siltstone, fresh			0				
70	71	lgr	Siltstone, fresh			0				
71	72	lgr	Siltstone, fresh			0				
72	73	lgr	Siltstone, fresh			0				
73	74									
74	75		EOH at 73m							
75	76									
76	77									
77	78									
78	79									
79	80									
80	81									
81	82									
82	83									
83	84									
84	85									
85	86									
86	87									
87	88									
88	89									
89	90									

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574443.2m	**Hole No**	RC98MT031
Date Commenced	1.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406666.7m	**Azimuth**	270 AMG
Date Completed	2.11.98	**Hole Depth**	109m	**RL**	327m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Siltstone, weathered			5	w fr	0	2	105218
1	2	lbr	Siltstone, weathered			0		2	4	105219
2	3	lbr	Siltstone, weathered			10	w fe	4	5	105220
3	4	lbr	Siltstone, weathered			30	w fe	5	7	105221
4	5	lbr	Siltstone, weathered			80	w fe	7	9	105222
5	6	lbr	Siltstone, weathered			10	w fe	9	11	105223
6	7	lbr	Siltstone, weathered			2	w fe	11	13	105224
7	8	lbr	Siltstone, weathered			1	w fe	13	15	105225
8	9	lbr	Siltstone, weathered			5	w fe	15	17	105226
9	10	lbr	Siltstone, weathered			1	w fe	17	19	105227
10	11	lbr	Siltstone, weathered			0		19	22	105228
11	12	lbr	Siltstone, weathered			0		22	24	105229
12	13	lbr	Siltstone, weathered			1	w fe	24	26	105230
13	14	lbr	Siltstone & Sandstone, weathered			2	w fe	26	28	105231
14	15	lbr	Siltstone, weathered			0		28	30	105232
15	16	lbr	Siltstone, weathered			0				
16	17	lbr	Siltstone & minor sandstone, weathered			0				
17	18	lbr	Siltstone, weathered			1	w			
18	19	lbr	Siltstone, weathered			0.5	fe			
19	20	lbr	Siltstone & minor sandstone, weathered			0.5	fe			
20	21	lbr	Siltstone & Sandstone, weathered			0				
21	22	lbr	Siltstone & minor sandstone, weathered			0				
22	23	lbr	Siltstone & minor sandstone, weathered			3	w fe			
23	24	lbr	Siltstone & minor sandstone, weathered			3	w fe			
24	25	lbr	Siltstone, weathered			2	w fe			
25	26	lbr	Siltstone & minor sandstone, weathered			2	w fe			
26	27	lgr	Siltstone & minor sandstone, partly weathered			5	w fe			
27	28	lgr	Sandstone & minor siltstone, partly weathered			10	w fe			
28	29	l&dgr	Sandstone & minor siltstone, partly weathered			0				
29	30	lgr	Siltstone, slightly weathered			0				

4980554

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574443.2m	**Hole No**	RC98MT031
Date Commenced	1.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406666.7m	**Azimuth**	270 AMG
Date Completed	2.11.98	**Hole Depth**	109m	**RL**	327m	***Inclination***	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh			1	w	30	32	105233
31	32	lgr	Siltstone, fresh			1	w	32	34	105234
32	33	l&dgr	Sandstone, fg, fresh			1	w	34	36	105235
33	34	l&dgr	Sandstone, fg & Siltstone, fresh			1	w	36	38	105236
34	35	lgr	Sandstone, fg & Siltstone, fresh	2% py		15	w	38	39	105237
35	36	lgr	Sandstone, fg, fresh	2% py		10	w	39	40	105238
36	37	lgr	Sandstone, fg & Siltstone, fresh	0.5%py		15	w	40	41	105239
37	38	lgr	Sandstone, fg & Siltstone, fresh Damp	Tr asp		30	w	41	43	105240
38	39	l&dgr	Sandstone, fg & Siltstone, fresh	0.5% asp	bio	25	w	43	44	105241
39	40	lgr	Sandstone, fg & Siltstone, fresh	2% asp		30	w gr	44	46	105242
40	41	l&dgr	Sandstone, fg & Siltstone, fresh	Tr asp	bio	5	w	46	48	105243
41	42	lgr	Sandstone, fg & Siltstone, fresh	Tr py		50	w	48	49	105244
42	43	lgr	Siltstone, fresh	Tr py		30	w	49	50	105245
43	44	lgr	Siltstone, fresh		Tr carb	2	w	50	52	105246
44	45	lgr	Siltstone, fresh	Tr py	Tr carb	20	w	52	54	105247
45	46	l&dgr	Siltstone, fresh	1% py 0.5%asp	Tr carb	40	w gr	54	56	105248
46	47	lgr	Siltstone, fresh	Tr py	Tr carb	2	w	56	58	105249
47	48	l&dgr	Siltstone & minor sandstone, fresh	1% py		20	w	58	60	105250
48	49	lgr	Siltstone, fresh	1% py/asp		80	w gr			
49	50	lgr	Siltstone, fresh	1% py		50	w gr			
50	51	l&dgr	Siltstone, fresh	0.5%py		20	w			
51	52	l&dgr	Siltstone, fresh	0.5%py		20	w			
52	53	l&dgr	Siltstone, fresh	Tr py		20	ww			
53	54	l&dgr	Siltstone, fresh			1	w			
54	55	l&dgr	Siltstone, fresh	Tr py		1	w			
55	56	l&dgr	Siltstone, fresh			0				
56	57	dgr	Siltstone, fresh			0				
57	58	dgr	Siltstone, fresh			1	w			
58	59	lgr	Sandstone, fg & Siltstone, fresh			30	w			
59	60	l&dgr	Siltstone, fresh			0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574443.2m	**Hole No**	RC98MT031
Date Commenced	1.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406666.7m	**Azimuth**	270 AMG
Date Completed	2.11.98	**Hole Depth**	109m	**RL**	327m	***Inclination***	55

Depth		Lithology						Sampling		
From	To	Colour	*Description*	*Mineralisation*	Alteration	% Qtz	Desc	From	To	Sample No
60	61	dgr	Siltstone, fresh	Tr py		1	w	60	62	105251
61	62	d&lgr	Siltstone, fresh	Tr py		0		62	63	105252
62	63	lgr	Siltstone, fresh	2% py		30	w	63	65	105253
63	64	l&dgr	Siltstone, fresh			0		65	67	105254
64	65	l&dgr	Siltstone, fresh			50	w	67	69	105255
65	66	l&dgr	Siltstone, fresh			0		69	71	105256
66	67	l&dgr	Siltstone, fresh	1% py		2	w	71	73	105257
67	68	lgr	Siltstone, fresh			0.5		73	75	105258
68	69	l&dgr	Siltstone, fresh			0		75	77	105259
69	70	l&dgr	Siltstone, fresh	Tr py		0		77	79	105260
70	71	lgr	Siltstone, fresh			0		79	81	105261
71	72	lgr	Siltstone, fresh			0		81	83	105262
72	73	l&dgr	Siltstone, fresh	Tr py		0		83	85	105263
73	74	lgr	Siltstone, fresh			0		85	87	105264
74	75	lgr	Siltstone, fresh			0		87	89	105265
75	76	d&lgr	Siltstone, fresh			0		89	91	105266
76	77	lgr	Siltstone, fresh	Tr py		0				
77	78	lgr	Siltstone, fresh			0				
78	79	lgr	Siltstone, fresh			0				
79	80	lgr	Siltstone, fresh			0				
80	81	lgr	Siltstone & minor sandstone, fresh			2	w			
81	82	lgr	Siltstone, fresh	Tr py		0.5	w			
82	83	lgr	Siltstone, fresh			0	w			
83	84	l&dgr	Siltstone, fresh			2	w			
84	85	lgr	Siltstone, fresh			0				
85	86	lgr	Siltstone, fresh			0				
86	87	lgr	Siltstone, fresh			1	w			
87	88	lgr	Siltstone, fresh			0				
88	89	lgr	Siltstone, fresh			2	w			
89	90	lgr	Siltstone, fresh	Tr py		1	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574443.2m	**Hole No**	RC98MT031
Date Commenced	1.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406666.7m	**Azimuth**	270 AMG
Date Completed	2.11.98	**Hole Depth**	109m	**RL**	327m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh			1	w	91	93	105267
91	92	lgr	Siltstone, fresh			1	w	93	95	105268
92	93	lgr	Siltstone, fresh			1	w	95	97	105269
93	94	lgr	Siltstone, fresh			0		97	99	105270
94	95	lgr	Siltstone, fresh			0		95	97	105271
95	96	lgr	Siltstone, fresh			20	w	97	99	105272
96	97	lgr	Siltstone, fresh			0.5	w	99	101	109271
97	98	lgr	Siltstone, fresh			0		101	103	109272
98	99	lgr	Siltstone, fresh			3	w	103	105	109273
99	100	lgr	Siltstone, fresh			1	w	105	107	109274
100	101	lgr	Siltstone & minor sandstone, fresh			2	w	107	109	109275
101	102	lgr	Siltstone, fresh			0				
102	103	lgr	Siltstone, fresh			0				
103	104	lgr	Siltstone, fresh			1	w			
104	105	lgr	Siltstone, fresh			0				
105	106	lgr	Siltstone, fresh			0				
106	107	lgr	Siltstone & minor sandstone, fresh			0				
107	108	lgr	Siltstone, fresh			0				
108	109	lgr	Siltstone, fresh			0				
109	110									
110	111		EOH at 109m							
111	112									
112	113									
113	114									
114	115									
115	116									
116	117									
117	118									
118	119									
119	120									

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	*New Golden Gate*	**Geologist**	D G Jackson	**Easting**	574487.6m	**Hole No**	RC98MT032
Date Commenced	2.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406666.3m	**Azimuth**	270 AMG
Date Completed	3.11.98	**Hole Depth**	97m	**RL**	317.9m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Clay & Siltstone, weathered - probably old dump			50	w fe	0	1	105276
1	2	rbr	Clay & Siltstone, weathered - probably old dump			70	w fe	1	2	105277
2	3	rbr	Clay & Siltstone, weathered - probably old dump			50	w fe	2	3	105278
3	4	rbr	Clay & Siltstone, weathered - probably old dump			40	w fe	3	4	105279
4	5	ybr	Siltstone & Clay, weathered			2	w	4	6	105280
5	6	ybr	Siltstone, weathered			0		6	8	105281
6	7	ybr	Siltstone, weathered			0		8	9	105282
7	8	ybr	Siltstone, weathered			10	w fe	9	11	105283
8	9	ybr	Siltstone, weathered			70	w fe	11	13	105284
9	10	ybr	Siltstone, weathered			3	w fe	13	15	105285
10	11	ybr	Siltstone, weathered			0		15	16	105286
11	12	ybr	Siltstone, weathered			0		16	17	105287
12	13	lbr	Siltstone, weathered			0		17	18	105288
13	14	lbr	Siltstone, weathered			1	w	18	19	105289
14	15	lbr	Siltstone, weathered			3	w fe	19	20	105290
15	16	lbr	Siltstone, weathered			50	w fe	20	21	105291
16	17	lbr	Siltstone, weathered, ferruginous			90	w fe gr	21	23	105292
17	18	lbr	Siltstone & Sandstone, weathered, ferruginous			80	w fe	23	25	105293
18	19	lbr	Siltstone, weathered			80	w fe	25	27	105294
19	20	lgrbr	Siltstone, weathered			25	w fe	27	29	105295
20	21	lbr	Siltstone, weathered			40	w fe			
21	22	lgr	Siltstone, partly weathered	0.5% asp		10	w gr			
22	23	lgr	Sandstone, fg, partly weathered	Tr py/asp		30	w			
23	24	lgr	Sandstone, fg, partly weathered	Tr asp		30	w			
24	25	lgr	Sandstone, fg, partly weathered	1% asp/py		20	w gr			
25	26	lgr	Sandstone, fg, fresh	1% asp/py		20	w gr			
26	27	lgr	Sandstone, fg, fresh	0.5% asp/py		2	w gr			
27	28	l&dgr	Sandstone, fg, fresh	Tr asp		10	w			
28	29	lgr	Siltstone, fresh	0.5% asp		2	w gr			
29	30	lgr	Siltstone, fresh			1	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574487.6m	**Hole No**	RC98MT032
Date Commenced	2.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406666.3m	**Azimuth**	270 AMG
Date Completed	3.11.98	**Hole Depth**	97m	**RL**	317.9m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh			1	w	29	31	105296
31	32	lgr	Siltstone, fresh			0		31	33	105297
32	33	lgr	Siltstone, fresh			0		33	35	105298
33	34	lgr	Siltstone, fresh	Tr asp		1	w	35	37	105299
34	35	lgr	Siltstone, fresh			0		37	39	105300
35	36	lgr	Siltstone, fresh	0.5% py/asp		3	w	39	41	105301
36	37	lgr	Siltstone, fresh			0		41	43	105302
37	38	lgr	Siltstone, fresh	Tr Su		1	w	43	45	105303
38	39	lgr	Siltstone, fresh	0.5% py		2	w	45	47	105304
39	40	l&dgr	Siltstone & Sandstone, fresh	Tr py	bio	1	w	47	49	105305
40	41	lgr	Siltstone, fresh			5	w	49	51	105306
41	42	lgr	Siltstone, fresh	Tr py		0		51	53	105307
42	43	lgr	Siltstone & Sandstone, fresh			0		53	55	105308
43	44	lgr	Siltstone, fresh			0		55	58	105309
44	45	lgr	Siltstone, fresh	Tr Su		5	w	58	60	105310
45	46	lgr	Siltstone, fresh	Tr asp		5	w			
46	47	lgr	Siltstone & Sandstone, fresh	Tr asp		10	w			
47	48	lgr	Siltstone & Sandstone, fresh			0.5	w			
48	49	lgr	Sandstone, fg, fresh			0				
49	50	lgr	Siltstone & Sandstone, fresh			1	w			
50	51	lgr	Siltstone & Sandstone, fresh			2	w			
51	52	lgr	Siltstone & Sandstone, fresh			15	w			
52	53	lgr	Siltstone, fresh			3	w			
53	54	lgr	Sandstone, fg & Siltstone, fresh			3	ww			
54	55	lgr	Siltstone & Sandstone, fresh			10	w			
55	56	lgr	Siltstone & Sandstone, fresh			2	w			
56	57	lgr	Siltstone & Sandstone, fresh			5	w			
57	58	lgr	Sandstone, fg, fresh			5	w			
58	59	lgr	Sandstone, fg, fresh	Tr asp		5	w			
59	60	lgr	Siltstone, fresh			0				

4980369

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574487.6m	**Hole No**	RC98MT032
Date Commenced	2.11.98	**Drillers**	*Diamond Drill Tas*	**Northing**	5406666.3m	**Azimuth**	270 AMG
Date Completed	3.11.98	**Hole Depth**	97m	**RL**	317.9m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	*Siltstone, fresh*	Tr asp		3	w gr	60	62	105311
61	62	lgr	Siltstone, fresh			5	w	62	64	105312
62	63	lgr	Siltstone, fresh			3	w	64	65	105313
63	64	lgr	Siltstone, fresh	Tr py		3	w	65	66	105314
64	65	lgr	Siltstone, fresh	Tr py/asp		30	w	66	67	105315
65	66	lgr	Siltstone, fresh	Tr py/asp		80	w gr	67	68	105316
66	67	lgr	Siltstone, fresh	Tr py/asp		60	w	68	70	105317
67	68	lgr	Siltstone, fresh	Tr asp		20	w	70	72	105318
68	69	lgr	Siltstone, fresh			0		72	74	105319
69	70	lgr	Siltstone, fresh			0		74	76	105320
70	71	lgr	Siltstone, fresh			0		76	78	105321
71	72	lgr	Siltstone, fresh			0		78	80	105322
72	73	lgr	Siltstone, fresh			0		80	82	105323
73	74	lgr	Siltstone, fresh			1	w	82	84	105324
74	75	lgr	Siltstone, fresh			15	w	84	86	105325
75	76	lgr&cm	Siltstone, fresh, bleached appearance			2	w	86	88	105326
76	77	lgr&cm	Siltstone, fresh, bleached appearance			0.5	w	88	90	105327
77	78	lgr	Siltstone, fresh			0.5	w			
78	79	lgr	Siltstone, fresh	Tr asp		0.5	w			
79	80	lgr	Siltstone & Sandstone, fg, fresh			0				
80	81	lgr	Siltstone & Sandstone, fg, fresh			0.5	w			
81	82	lgr&cm	Siltstone & Sandstone, fg, fresh			0.5	w			
82	83	lgr	Siltstone, fresh			0				
83	84	lgr&cm	*Siltstone & minor sandstone, fresh*	Tr py		0				
84	85	lgr	Siltstone & minor sandstone, fresh	Tr py		0				
85	86	dgr&kh	*Siltstone & minor sandstone, fresh*			0				
86	87	kh&dgr	Siltstone, fresh			0				
87	88	lgr&g	Siltstone, fresh			30	cm			
88	89	lgr	Siltstone, fresh			1	w			
89	90	lgr	Siltstone, fresh			40	w			

4980060

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574487.6m	**Hole No**	RC98MT032
Date Commenced	2.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406666.3m	**Azimuth**	270 AMG
Date Completed	3.11.98	**Hole Depth**	97m	**RL**	317.9m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh			3	w	90	92	105328
91	92	lgr	Siltstone & Sandstone, fg, fresh			50	w	92	94	105329
92	93	lgr&kh	Sandstone, fg, fresh			3	w	94	97	105330
93	94	lgkh	Sandstone, fg, fresh			3	w			
94	95	lgr&cm	Sandstone, fg, fresh			0.5	w			
95	96	lgr	Sandstone, fg, fresh			0.5	w			
96	97	lgr	Sandstone, fg & Siltstone, fresh			0.5	w			
97	98									
98	99		EOH at 97m							
99	100									
100	101									
101	102									
102	103									
103	104									
104	105									
105	106									
106	107									
107	108									
108	109									
109	110									
110	111									
111	112									
112	113									
113	114									
114	115									
115	116									
116	117									
117	118									
118	119									
119	120									

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	*New Golden Gate*	**Geologist**	D G Jackson	**Easting**	574523.2m	**Hole No**	RC98MT033
Date Commenced	3.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406666.6m	**Azimuth**	270 AMG
Date Completed	4.11.98	**Hole Depth**	97m	**RL**	316.1m	***Inclination***	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lgr	Clay)					2	4	105331
1	2		No Sample Return)					4	5	105332
2	3	dgr	Siltstone, fresh & Wood Fragments) Fill to ~4.5m			40	w gr	5	6	105333
3	4	br	Clay & Siltstone, fresh)	1% asp		20	gr	6	7	105334
4	5	ybr	Clay)			0		7	8	105335
5	6	ybr	Clay			50	w fe	8	9	105336
6	7	ybr&cm	Clay			90	w fe	9	10	105337
7	8	ybr	Clay - some fill contamination			90	w fe	10	11	105338
8	9	ybr	Clay			90	w fe	11	13	105339
9	10	ybr	Clay			80	w fe	13	15	105340
10	11	ybr&w	Clay			60	w fe	15	17	105341
11	12	ybr&w	Siltstone & minor sandstone, weathered			0		17	19	105342
12	13	ybr	Siltstone, weathered			1	w fe	19	21	105343
13	14	ybr	Siltstone, weathered			2	w fe	21	23	105344
14	15	ybr	Siltstone, weathered			0		23	25	105345
15	16	ybr&gr	Siltstone, weathered			0		25	27	105346
16	17	ybr&gr	Siltstone, weathered			0		27	29	105347
17	18	ybr&gr	Siltstone, weathered			0				
18	19	ybr&gr	Siltstone, weathered			0				
19	20	ybr&gr	Siltstone, partly weathered			2	w fe			
20	21	lgr	Siltstone, fresh			0				
21	22	lgr	Siltstone, trace weathering			0				
22	23	lgr	Siltstone, trace weathering	Tr py		0				
23	24	lgr	Siltstone, trace weathering	Tr py		0.5	w fe			
24	25	lgr	Siltstone, fresh			0				
25	26	lgr	Siltstone, fresh			1	w			
26	27	lgr	Siltstone, fresh			2	w fe			
27	28	lgr	Siltstone, fresh	Tr py		0.5	w			
28	29	lgr	Siltstone, fresh			4	w			
29	30	lgr	Siltstone, fresh	1% py		5	w			

498062

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574523.2m	**Hole No**	RC98MT033
Date Commenced	3.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406666.6m	**Azimuth**	270 AMG
Date Completed	4.11.98	**Hole Depth**	97m	**RL**	316.1m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh			0		29	31	105348
31	32	lgr	Siltstone, fresh	0.5% py		1	w gr	31	33	105349
32	33	lgr	Siltstone, fresh			1	gr	33	35	105350
33	34	lgr	Siltstone, fresh			0		35	37	105351
34	35	lgr	Siltstone, fresh			3	w	37	38	105352
35	36	lgr	Siltstone, fresh			0		38	39	105353
36	37	lgr	Siltstone, fresh	1% py		1	w	39	41	105354
37	38	lgr	Siltstone, fresh	1% py/asp		40	w	41	43	105355
38	39	dgr	Siltstone, fresh	2% py/asp		40	w gr	43	45	105356
39	40	dgr	Siltstone, fresh			20	w	45	47	105357
40	41	dgr	Siltstone, fresh	Tr py		5	w	47	49	105358
41	42	dgr	Siltstone, fresh	0.5% py/asp		20	w	49	50	105359
42	43	dgr	Siltstone, fresh	0.5% py		50	w	50	52	105360
43	44	lgr	Siltstone, fresh	0.5% py		0		52	54	105361
44	45	dgr	Siltstone, fresh	0.5% py		0		54	56	105362
45	46	lgr	Siltstone, fresh			60	w	56	57	105363
46	47	lgr	Siltstone, fresh	0.5% py		30	w	57	58	105364
47	48	dgr	Siltstone, fresh	Tr py		20	w	58	59	105365
48	49	d&lgr	Siltstone, fresh	Tr py		10	w gr	59	60	105366
49	50	lgr	Siltstone, fresh Damp sample	1% asp		40	w gr			
50	51	dgr	Siltstone, fresh			0				
51	52	dgr	Siltstone, fresh			0				
52	53	dgr	Siltstone, fresh	Tr su		0				
53	54	dgr	Siltstone, fresh			0				
54	55	lgr	Siltstone, fresh	1% py/asp		2	w gr			
55	56	lgr	Siltstone, fresh	Tr asp		1	w gr			
56	57	lgr	Siltstone, fresh	0.5% py	0.5% carb	0				
57	58	lgr	Siltstone, fresh	1% asp/py		50	w gr			
58	59	lgr	Siltstone, fresh	2% asp/py		40	w gr			
59	60	lgr	Siltstone, fresh	1% asp/py		40	w gr			

4980663

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574523.2m	**Hole No**	RC98MT033
Date Commenced	3.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406666.6m	**Azimuth**	270 AMG
Date Completed	4.11.98	**Hole Depth**	97m	**RL**	316.1m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	0.5% asp		20	w gr	60	61	105367
61	62	lgr	Siltstone, fresh	Tr asp		2	w	61	63	105368
62	63	lgr	Siltstone, fresh	Tr asp		1	w gr	63	65	105369
63	64	lgr	Siltstone, fresh	0.5% py/asp		10	w gr	65	67	105370
64	65	lgr	Siltstone, fresh	Tr asp		2	w gr	67	69	105371
65	66	lgr	Siltstone, fresh	0.5% py/asp	Tr carb	40	w	69	71	105372
66	67	lgr	Siltstone, fresh	0.5% py/asp		10	w	71	73	105373
67	68	lgr	Siltstone, fresh			15	w	73	75	105374
68	69	lgr	Siltstone, fresh	1% py		5	w gr	75	76	105375
69	70	lgr	Siltstone, fresh	1% py		5	w gr	76	77	105376
70	71	lgr	Siltstone, fresh	0.5% py		20	w gr	77	78	105377
71	72	lgr	Siltstone, fresh	0.5% py		2	w	78	79	105378
72	73	lgr	Siltstone, fresh	Tr py		1	w	79	80	105379
73	74	lgr	Siltstone, fresh	0.5% py		1	w	80	82	105380
74	75	lgr	Siltstone, fresh	Tr py		1	w	82	84	105381
75	76	lgr	Siltstone, fresh	0.5% py/asp		15	w gr	84	86	105382
76	77	lgr	Siltstone, fresh	2% py/asp		80	gr w	86	88	105383
77	78	lgr	Siltstone, fresh	3% asp vg?		95	gr w	88	90	105384
78	79	lgr&g	Siltstone, fresh	3% asp		30	gr			
79	80	lgr&g	Siltstone, fresh	0.5% py/asp		30	w			
80	81	lgr&g	Siltstone, fresh	Tr py		0				
81	82	lgr&g	Siltstone, fresh			1	w			
82	83	lgr&g	Siltstone, fresh	Tr py		1	w			
83	84	lgr&g	Siltstone, fresh	Tr asp/py		1	gr			
84	85	lgr&g	Siltstone, fresh			1	w			
85	86	lgr&g	Siltstone, fresh	Tr py		1	gr			
86	87	lgr&g	Siltstone & Sandstone, fg, fresh			0.5	w			
87	88	lgr&g	Siltstone & Sandstone, fg, fresh	Tr py		0				
88	89	lgr&g	Siltstone & Sandstone, fg, fresh	Tr py		0				
89	90	lgr&g	Siltstone & Sandstone, fg, fresh			0				

4980641

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574523.2m	**Hole No**	RC98MT033
Date Commenced	3.11.98	**Drillers**	*Diamond Drill Tas*	**Northing**	5406666.6m	**Azimuth**	270 AMG
Date Completed	4.11.98	**Hole Depth**	97m	**RL**	316.1m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr&g	Siltstone & Sandstone, fg, fresh	Tr py		0.5	w	90	92	105384
91	92	lgr&g	Siltstone & Sandstone, fg, fresh	Tr asp		1	w gr	92	93	105385
92	93	lgr&g	Siltstone & Sandstone, fg, fresh	0.5% py/asp		30	w gr	93	95	105386
93	94	lgr&g	Siltstone, fresh	Tr py		1	gr	95	97	105387
94	95	lgr&g	Siltstone, fresh	Tr py		1	gr			
95	96	lgr&g	Siltstone & Sandstone, fg, fresh			1	w			
96	97	lgr&g	Siltstone & Sandstone, fg, fresh			1	w			
97	98									
98	99		EOH at 97m							
99	100									
100	101									
101	102									
102	103									
103	104									
104	105									
105	106									
106	107									
107	108									
108	109									
109	110									
110	111									
111	112									
112	113									
113	114									
114	115									
115	116									
116	117									
117	118									
118	119									
119	120									

4980653

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574558.9m	**Hole No**	RC98MT034
Date Commenced	4.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406667.3m	**Azimuth**	270 AMG
Date Completed	5.11.98	**Hole Depth**	135	**RL**	313.6m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Tailings					0	2	105389
1	2	br	Tailings					2	4	105390
2	3	br	Tailings					4	5	105391
3	4	br	Tailings					6	8	105392
4	5	br	Tailings					8	10	105393
5	6		No Sample Return					10	13	105394
6	7	br	Clay balls			0		13	14	105395
7	8	br	Clay balls			0		14	16	105396
8	9	ybr	Siltstone, weathered & Clay			1	w	16	18	105397
9	10	ybr	Siltstone, weathered			1	w	18	20	105398
10	11	ybr	Siltstone, weathered			0.5	fe	20	22	105399
11	12	lbr	Siltstone, weathered			0		22	24	105400
12	13	lbr	Siltstone, weathered			40	w fe	24	26	105401
13	14	lgrbr	Siltstone, partly weathered			0.5	w fe	26	28	105402
14	15	lgrbr	Siltstone, partly weathered			2	w fe	28	30	105403
15	16	lgr	Siltstone, partly weathered			10	w			
16	17	lgr	Siltstone, partly weathered			0				
17	18	lgr	Siltstone, partly weathered			0				
18	19	lgr	Siltstone & minor sandstone, partly weathered			0.5	w			
19	20	lgr	Siltstone, fresh			2	w			
20	21	lgr	Siltstone, fresh			5	w			
21	22	lgr	Siltstone, fresh			0				
22	23	dgr&g	Siltstone, fresh			0				
23	24	dgr&g	Siltstone, fresh			0				
24	25	dgr&g	Siltstone, fresh			0				
25	26	dgr&g	Siltstone & minor sandstone, fresh Damp			0				
26	27	dgr&g	Siltstone, fresh			0				
27	28	lgr&cm	Siltstone & minor sandstone, fresh			0				
28	29	lgr	Siltstone, fresh	Tr py		1	w			
29	30	lgr	Siltstone, fresh			0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574558.9m	**Hole No**	RC98MT034
Date Commenced	4.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406667.3m	**Azimuth**	270 AMG
Date Completed	5.11.98	**Hole Depth**	135	**RL**	313.6m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh			40	w	30	32	105404
31	32	lgr	Siltstone & minor sandstone, fresh			2	w	32	34	105405
32	33	lgr	Siltstone, fresh			0		34	36	105406
33	34	lgr	Siltstone, fresh			2	w	36	38	105407
34	35	lgr	Siltstone, fresh			1	w	38	40	105408
35	36	lgr	Siltstone, fresh			0.5	w	40	42	105409
36	37	lgr	Siltstone, fresh	Tr asp		2	w	42	44	105410
37	38	lgr	Siltstone, fresh			0		44	46	105411
38	39	lgr	Siltstone, fresh			0.5	w	46	48	105412
39	40	lgr	Siltstone, fresh	Tr py		0.5	w	48	50	105413
40	41	lgr	Siltstone & Sandstone, fg, fresh			0		50	52	105414
41	42	lgr	Siltstone, fresh			3	w	52	54	105415
42	43	lgr	Siltstone, fresh			0		54	56	105416
43	44	lgr	Siltstone & Sandstone, fg, fresh			0		56	58	105417
44	45	lgr	Siltstone & Sandstone, fg, fresh			0		58	60	105418
45	46	lgr	Siltstone, fresh			0				
46	47	lgr	Siltstone, fresh			0				
47	48	lgr	Siltstone, fresh			0				
48	49	lgr	Siltstone, fresh			0				
49	50	lgr	Siltstone, fresh			0				
50	51	lgr	Siltstone, fresh			0				
51	52	cm&lgr	Sandstone, fg & Siltstone, fresh			0				
52	53	cm&lgr	Sandstone, fg & Siltstone, fresh			0				
53	54	cm&lgr	Sandstone, fg & Siltstone, fresh			1	w			
54	55	lgr	Siltstone, fresh			0				
55	56	lgr	Siltstone, fresh			0				
56	57	lgr	Siltstone, fresh			0				
57	58	lgr	Siltstone, fresh			0				
58	59	lgr	Siltstone, fresh			0				
59	60	lgr	Siltstone, fresh			0				

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574558.9m	**Hole No**	RC98MT034
Date Commenced	4.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406667.3m	**Azimuth**	270 AMG
Date Completed	5.11.98	**Hole Depth**	135	**RL**	313.6m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	Tr py		0		60	62	105419
61	62	lgr	Siltstone, fresh			0		62	64	105420
62	63	lgr	Siltstone, fresh			0.5	w	64	66	105421
63	64	lgr	Siltstone, fresh			0		66	68	105422
64	65	lgr	Siltstone, fresh			0.5	w	68	70	105423
65	66	lgr	Siltstone, fresh	Tr asp/py		5	w gr	70	72	105424
66	67	lgr	Siltstone, fresh			0		72	74	105425
67	68	lgr	Siltstone, fresh			2	w gr	74	76	105426
68	69	lgr	Siltstone, fresh			0		76	78	105427
69	70	lgr	Siltstone, fresh			0		78	80	105428
70	71	lgr	Siltstone, fresh			0		80	82	105429
71	72	lgr	Siltstone, fresh			0		82	84	105430
72	73	lgr	Siltstone, fresh	Tr asp		2	w gr	84	86	105431
73	74	lgr	Siltstone, fresh			0.5	w	86	87	105432
74	75	lgr	Siltstone, fresh	Tr py		1	w	87	88	105433
75	76	lgr	Siltstone, fresh	Tr asp		3	w	88	89	105434
76	77	lgr	Siltstone, fresh			0		89	90	105435
77	78	lgr	Siltstone, fresh			0				
78	79	l&dgr	Siltstone, fresh			0				
79	80	lgr	Siltstone, fresh			0				
80	81	lgr	Siltstone, fresh	Tr asp		5	w gr			
81	82	lgr	Siltstone, fresh			1	w			
82	83	lgr	Siltstone, fresh			1	w			
83	84	lgr	Siltstone, fresh			2	w			
84	85	lgr	Siltstone, fresh	Tr py		5	w			
85	86	lgr	Siltstone, fresh	Tr asp		3	w gr			
86	87	lgr	Siltstone, fresh	0.5% asp/py		10	dgr			
87	88	dgr	Shale, graphitic, fresh	2% py/asp		60	dgr w			
88	89	dgr	Shale, graphitic, fresh	1% py/asp		20	dgr w			
89	90	dgr	Shale, graphitic, fresh	2% py/asp		60	dgr w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574558.9m	**Hole No**	RC98MT034
Date Commenced	4.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406667.3m	**Azimuth**	270 AMG
Date Completed	5.11.98	**Hole Depth**	135	**RL**	313.6m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	dgr	Shale, graphitic, fresh - low sample recovery - wet	1% py		30	gr w	90	91	105436
91	92	dgr	Shale & Siltstone, graphitic, fresh			30	gr w	91	92	105437
92	93	dgr	Shale & Siltstone, graphitic, fresh	Tr Su		15	w gr	92	94	105438
93	94	bl	Shale, graphitic, fresh			5	w	94	95	105439
94	95	bl	Shale & Siltstone, graphitic, fresh	2% py/asp		80	gr w	95	96	105440
95	96	bl	Shale & Siltstone, graphitic, fresh	2% py/asp		50	gr w	96	98	105441
96	97	bl	Shale, graphitic, fresh	1% py		1	gr w	98	100	105442
97	98	bl	Shale, graphitic, fresh	0.5% py		0.5	gr w	100	103	105443
98	99	bl	Shale, graphitic, fresh	0.5% py		0.5	gr w	103	105	105444
99	100	bl	Shale, graphitic, fresh	0.5% py		0		105	106	105445
100	101	bl	Shale, graphitic, fresh	1% py		1	w	106	107	105446
101	102	bl	Shale, graphitic, fresh - small damp sample			1	w	107	108	105447
102	103	bl	Shale, graphitic, fresh			0.5	w	108	109	105448
103	104	bl	Shale, graphitic, fresh	0.5% py		25	w gr	109	111	105449
104	105	bl	Shale, graphitic, fresh	0.5% py/asp		25	w gr	111	112	105450
105	106	bl	Shale & Siltstone, graphitic, fresh			0		112	114	105451
106	107	lgr	Siltstone, fresh	2% py/asp		40	w gr	114	117	105452
107	108	lgr	Siltstone, fresh	0.5% py/asp		25	w gr	117	119	105453
108	109	lgr	Siltstone, fresh	0.5% py/asp		10	w gr	119	121	105454
109	110	lgr	Siltstone, fresh Small sample	0.5% py		2	w			
110	111	lgr	Siltstone, fresh Large Sample	Tr py		2	w			
111	112	lgr	Siltstone, fresh			0.5	w			
112	113	dgr	Siltstone & Shale, fresh	1% py/asp		10	w gr			
113	114	dgr	Siltstone & Shale,graphitic, fresh	0.5% py		70	w gr			
114	115	kh	Sandstone, fg, fresh	Tr asp		5	w gr			
115	116	kh	Sandstone, fg, fresh	0.5% asp		5	w gr			
116	117	kh	Sandstone, fg, fresh			0.5	w			
117	118	kh	Sandstone, fg, fresh	1% asp		40	w			
118	119	lgr	Sandstone, fg, fresh	Tr asp		50	w			
119	120	lgr	Siltstone, fresh Small sample	0.5% py/asp		20	w			

4980669

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	*New Golden Gate*	**Geologist**	D G Jackson	**Easting**	574558.9m	**Hole No**	RC98MT034
Date Commenced	4.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406667.3m	**Azimuth**	270 AMG
Date Completed	5.11.98	**Hole Depth**	135	**RL**	313.6m	**Inclination**	55

Depth		Lithology							Sampling		
From	To	Colour	Description		Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
120	121	lgr&g	Siltstone & Sandstone,fg, fresh	Small wet sample	1% asp/py		50	w gr	121	123	105455
121	122	lgr&g	Sandstone, fg, with minor dgr Slst	Small wet sample			0		123	125	105456
122	123	lgr&g	Sandstone, fg, fresh	Small wet sample			3	w	125	127	105457
123	124	lgr&g	Sandstone, fg & dgr Siltstone	Big wet sample			0		127	129	105458
124	125	lgr&g	Sandstone, fg & minor dgr Siltstone	Small wet sample			2	w	129	131	105459
125	126	lgr&g	Sandstone, fg & dgr Siltstone	Small wet sample			2	w	131	133	105460
126	127	lgr	Sandstone, fg, fresh	Small wet sample			0		133	135	105461
127	128	l&dgr	Siltstone minor sandstone, fresh	Small wet sample	Tr asp		0.5	w			
128	129	lgr	Siltstone, fresh	Small wet sample	Tr asp/py		2	w			
129	130	l&dgr	Siltstone minor sandstone, fresh	Small wet sample	Tr py		0				
130	131	l&dgr	Siltstone, fresh	Small wet sample	Tr py		0				
131	132	l&dgr	Siltstone, fresh	Small wet sample	Tr py		0				
132	133	l&dgr	Siltstone, fresh	Small wet sample			0.5	w			
133	134	l&dgr	Siltstone, fresh	Small wet sample	Tr py		0				
134	135	l&dgr	Siltstone, fresh EOH at 135m	Small wet sample			0				
135	136										
136	137										
137	138										
138	139										
139	140										
140	141										
141	142										
142	143										
143	144										
144	145										
145	146										
146	147										
147	148										
148	149										
149	150										

498070

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574409.8m	**Hole No**	RC98MT035
Date Commenced	11.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5046745.2m	**Azimuth**	270 AMG
Date Completed	11.11.98	**Hole Depth**	103m	**RL**	318m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	ybr	Siltstone, weathered & Clay			0		0	2	105462
1	2	ybr	Siltstone, weathered			0		2	4	105463
2	3	ybr	Siltstone, weathered			0		4	6	105464
3	4	lbr	Siltstone, weathered			0		6	8	105465
4	5	lbr	Siltstone, weathered			0		8	10	105466
5	6	lbr&w	Siltstone, weathered			0		10	12	105467
6	7	lbr	Siltstone, weathered			0		12	14	105468
7	8	lbr	Siltstone, weathered			0		14	16	105469
8	9	lbr	Siltstone, weathered			0		16	18	105470
9	10	lbr	Siltstone, weathered			0		18	20	105471
10	11	lbr	Siltstone, weathered			0		20	22	105472
11	12	lbr&gr	Siltstone, weathered			0		22	23	105473
12	13	lbr&gr	Siltstone, weathered			0		23	25	105474
13	14	lbr&gr	Siltstone, weathered			0		25	27	105475
14	15	lbr&gr	Siltstone, weathered			0		27	29	105476
15	16	lgr&br	Siltstone, weathered			0				
16	17	lgr&br	Siltstone, weathered			0				
17	18	lgr	Siltstone, partly weathered			0				
18	19	lgr	Siltstone, partly weathered			0				
19	20	lgr	Siltstone, partly weathered			0				
20	21	lgr	Siltstone, fresh			0				
21	22	lgr	Siltstone, fresh			0				
22	23	lgr	Siltstone, fresh	1% py Tr asp		2	w			
23	24	lgr	Siltstone, fresh			0				
24	25	lgr	Siltstone, fresh			5	w			
25	26	gr	Siltstone, fresh			1	w			
26	27	gr	Siltstone, fresh			0.5	w			
27	28	l&dgr	Siltstone & Shale, fresh	Tr py		1	w			
28	29	d&lgr	Siltstone & Shale, fresh	Tr py		5	w gr			
29	30	d&lgr	Siltstone & Shale, fresh			0.5	w			

4980771

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574409.8m	**Hole No**	RC98MT035
Date Commenced	11.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5046745.2m	**Azimuth**	270 AMG
Date Completed	11.11.98	**Hole Depth**	103m	**RL**	318m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	dgr	Siltstone & Shale, fresh			0		29	31	105477
31	32	dgr	Siltstone & Shale, fresh	Tr py		0		31	33	105478
32	33	dgr	Siltstone & Shale, fresh	2% py		0		33	35	105479
33	34	dgr	Siltstone & Shale, fresh	1% py		0		35	37	105480
34	35	dgr	Shale, fresh, minor graphite	Tr py		0		37	39	105481
35	36	dgr	Shale, fresh, minor graphite	Tr py		0		39	41	105482
36	37	dgr	Shale, fresh, minor graphite			1	w	41	43	105483
37	38	lgr	Siltstone, fresh	Tr py		1	w	43	45	105484
38	39	lgr	Sandstone, fg, fresh			2	w	45	47	105485
39	40	lgr	Sandstone, fg, fresh	0.5% py		5	w	47	49	105486
40	41	l&dgr	Sandstone, fg, & Siltstone, fresh	0.5% py		10	w	49	51	105487
41	42	lgr	Sandstone, fg, & minor siltstone, fresh			1	w	51	53	105488
42	43	lgr	Siltstone, fresh			2	w	53	55	105489
43	44	lgr	Siltstone, fresh			40	w	55	57	105490
44	45	lgr	Siltstone, fresh			10	w	57	59	105491
45	46	lgr	Siltstone, fresh			25	w	59	61	105492
46	47	lgr	Siltstone, fresh	Tr py		3	w			
47	48	lgr	Siltstone, fresh			5	w			
48	49	lgr	Siltstone, fresh	Tr py		30	w			
49	50	lgr	Sandstone, fg, & minor siltstone, fresh	Tr py/asp		3	w			
50	51	lgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w			
51	52	lgr	Sandstone, fg, & minor siltstone, fresh			30	w			
52	53	lgr	Sandstone, fg, & Siltstone, fresh			5	w			
53	54	lgr	Sandstone, fg, & Siltstone, fresh	Tr py		15	w			
54	55	lgr	Sandstone, fg, & minor siltstone, fresh			5	w			
55	56	lgr	Siltstone & Sandstone, fg, fresh			0.5	w			
56	57	lgr	Siltstone & Sandstone, fg, fresh			0				
57	58	lgr	Siltstone & Sandstone, fg, fresh	Tr py		1	w			
58	59	lgr	Siltstone, fresh			1	w			
59	60	lgr	Siltstone, fresh			2	w			

4980792

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574409.8m	**Hole No**	RC98MT035
Date Commenced	11.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5046745.2m	**Azimuth**	270 AMG
Date Completed	11.11.98	**Hole Depth**	103m	**RL**	318m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh			5	w	61	63	105493
61	62	lgr	Sandstone, fg, fresh	Tr py		0.5	w	63	65	105494
62	63	lgr	Sandstone, fg, fresh	Tr py		0		65	67	105495
63	64	lgr	Siltstone & Sandstone, fg, fresh			2	w	67	69	105496
64	65	lgr	Siltstone & Sandstone, fg, fresh	Tr py		2	w	69	71	105497
65	66	lgr	Siltstone & Sandstone, fg, fresh	Tr py		3	w	71	73	105498
66	67	lgr	Siltstone, fresh			0.5	w	73	75	105499
67	68	lgr	Siltstone, fresh			0.5	w	75	77	105500
68	69	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	77	79	105501
69	70	lgr	Siltstone & Sandstone, fg, fresh			1	w	79	81	105502
70	71	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	81	83	105503
71	72	lgr	Siltstone & Sandstone, fg, fresh			3	w	83	86	105504
72	73	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	86	88	105505
73	74	lgr	Siltstone & Sandstone, fg, fresh			0		88	90	105506
74	75	l&dgr	Siltstone & Sandstone, fg, fresh			2	w			
75	76	l&dgr	Siltstone, fresh			0				
76	77	lgr	Siltstone & Sandstone, fg, fresh			0				
77	78	l&dgr	Siltstone & Sandstone, fg, fresh			2	w			
78	79	l&dgr	Siltstone & Sandstone, fg, fresh			0				
79	80	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py		2	w			
80	81	l&dgr	Siltstone & Sandstone, fg, fresh			1	w			
81	82	lgr	Siltstone, fresh	Tr py		0				
82	83	l&dgr	Siltstone & Sandstone, fg, fresh			0				
83	84	lgr	Siltstone, fresh			0				
84	85	l&dgr	Siltstone & Sandstone, fg, fresh			0				
85	86	gr	Siltstone, fresh	Tr py		0				
86	87	gr	Siltstone, fresh	0.5% py		2	w			
87	88	lgr	Siltstone & Sandstone, fg, fresh			0				
88	89	l&dgr	Siltstone, fresh	Tr py		0.5	w			
89	90	l&dgr	Siltstone, fresh	Tr py		0				

4980673

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574409.8m	**Hole No**	RC98MT035
Date Commenced	11.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5046745.2m	**Azimuth**	270 AMG
Date Completed	11.11.98	**Hole Depth**	103m	**RL**	318m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh	2% py		5	w gr	90	91	105507
91	92	l&dgr	Siltstone, fresh	1% py		2	w	91	93	105508
92	93	l&dgr	Siltstone, fresh	0.5% py		2	w	93	95	105509
93	94	l&dgr	Siltstone, fresh			0.5	w	95	97	105510
94	95	l&dgr	Siltstone, fresh			1	w	97	99	105511
95	96	l&dgr	Siltstone, fresh			0		99	101	105512
96	97	dgr	Siltstone, fresh	0.5% py		30	w	101	103	105513
97	98	dgr	Siltstone, fresh			0				
98	99	l&dgr	Siltstone, fresh			0				
99	100	l&dgr	Siltstone, fresh			1	w			
100	101	l&dgr	Siltstone, fresh			1	w			
101	102	dgr	Siltstone, fresh	Tr py		10	w			
102	103	dgr	Siltstone, fresh			1	w			
103	104									
104	105		EOH at 103m							
105	106									
106	107									
107	108									
108	109									
109	110									
110	111									
111	112									
112	113									
113	114									
114	115									
115	116									
116	117									
117	118									
118	119									
119	120									

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574441.1m	**Hole No**	RC98MT036
Date Commenced	11.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5046745.8m	**Azimuth**	270 AMG
Date Completed	12.11.98	**Hole Depth**	79m	**RL**	313m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	ybr	Siltstone, weathered & Clay			0		0	2	105514
1	2	ybr	Siltstone, weathered			0.5	w	2	4	105515
2	3	ybr	Siltstone, weathered			1	w fe	4	6	105516
3	4	lbr	Siltstone, weathered			0		6	8	105517
4	5	lbr	Siltstone, weathered			0		8	10	105518
5	6	lbr	Siltstone, weathered			0		10	12	105519
6	7	lbr	Siltstone, weathered			0		12	14	105520
7	8	lbr	Siltstone, weathered			0		14	16	105521
8	9	ybr	Siltstone, weathered			0		16	18	105522
9	10	ybr	Siltstone, weathered			2	w fe	18	20	105523
10	11	ybr	Siltstone, weathered			0		20	22	105524
11	12	lbr	Siltstone, weathered			0		22	24	105525
12	13	lbr	Siltstone, weathered			0		24	26	105526
13	14	lbr	Siltstone, weathered			0		26	28	105527
14	15	lgr&br	Siltstone, weathered			0		28	30	105528
15	16	lgr	Siltstone, partly weathered			0				
16	17	lgr	Siltstone, partly weathered			0				
17	18	lgr	Siltstone, fresh			20	w			
18	19	lgr	Siltstone, fresh			0				
19	20	lgr	Siltstone, fresh			0.5	w			
20	21	lgr	Sandstone, fg & minor Siltstone			0.5	w			
21	22	lgr	Siltstone & Sandstone, fg, fresh			30	w			
22	23	lgr	Sandstone, fg & Siltstone, fresh	Tr py		5	w			
23	24	lgr	Sandstone, fg & Siltstone, fresh			5	w			
24	25	lgr	Siltstone & Sandstone, fg, fresh			1	w			
25	26	lgr	Siltstone & Sandstone, fg, fresh Damp	Tr py		2	w			
26	27	lgr	Siltstone & Sandstone, fg, fresh			5	w			
27	28	lgr	Siltstone & Sandstone, fg, fresh			5	w			
28	29	lgr	Siltstone, fresh			2	w			
29	30	lgr	Siltstone & Sandstone, fg, fresh			1	w			

4980452

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574441.1m	**Hole No**	RC98MT036
Date Commenced	11.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5046745.8m	**Azimuth**	270 AMG
Date Completed	12.11.98	**Hole Depth**	79m	**RL**	313m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone & Sandstone, fg, fresh			30	w	30	32	105529
31	32	lgr	Siltstone & Sandstone, fg, fresh			2	w	32	34	105530
32	33	lgr	Siltstone, fresh			2	w	34	36	105531
33	34	lgr	Siltstone & Sandstone, fg, fresh			0		36	38	105532
34	35	lgr	Siltstone, fresh			2	w	38	40	105533
35	36	lgr	Siltstone, fresh			1	w	40	42	105534
36	37	l&dgr	Siltstone, fresh			1	w	42	44	105535
37	38	lgr	Siltstone & Sandstone, fg, fresh			0		44	46	105536
38	39	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	46	48	105537
39	40	lgr	Siltstone & Sandstone, fg, fresh			1	w	48	50	105538
40	41	lgr	Siltstone & Sandstone, fg, fresh			0		50	52	105539
41	42	lgr	Siltstone & minor sandstone, fg, fresh	Tr py		1	w	52	54	105540
42	43	lgr	Siltstone, fresh	Tr py		0.5	w	54	56	105541
43	44	lgr	Siltstone & minor sandstone, fg, fresh			0		56	58	105542
44	45	l&dgr	Siltstone, fresh			0		58	60	105543
45	46	lgr	Siltstone, fresh			1	w			
46	47	l&dgr	Siltstone, fresh			2	w			
47	48	l&dgr	Siltstone & minor sandstone, fg, fresh	Tr py		0.5	w			
48	49	lgr	Siltstone, fresh			1	w			
49	50	lgr	Siltstone & minor sandstone, fg, fresh			0				
50	51	lgr	Siltstone, fresh			0				
51	52	lgr	Siltstone, fresh			0				
52	53	l&dgr	Siltstone, fresh			0				
53	54	lgr	Siltstone & Sandstone, fg, fresh			0				
54	55	l&dgr	Siltstone, fresh			0				
55	56	l&dgr	Siltstone, fresh			3	w			
56	57	lgr	Siltstone, fresh			0				
57	58	lgr	Siltstone, fresh			0				
58	59	l&dgr	Siltstone, fresh			0				
59	60	l&dgr	Siltstone, fresh			0				

4980476

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574441.1m	**Hole No**	RC98MT036
Date Commenced	11.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5046745.8m	**Azimuth**	270 AMG
Date Completed	12.11.98	**Hole Depth**	79m	**RL**	313m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	l&dgr	Siltstone, fresh			0		60	62	105544
61	62	lgr	Siltstone, fresh			0.5	w	62	64	105545
62	63	lgr	Siltstone, fresh			0		64	66	105546
63	64	lgr	Siltstone & minor sandstone, fg, fresh			0		66	68	105547
64	65	l&dgr	Siltstone, fresh			0		68	70	105548
65	66	l&dgr	Siltstone & minor sandstone, fresh	Tr py		1	w	70	71	105549
66	67	lgr	Siltstone, fresh			0		71	72	105550
67	68	l&dgr	Siltstone, fresh			0.5	w	72	74	105551
68	69	lgr	Siltstone, fresh	Tr py		5	w	74	76	105552
69	70	lgr	Siltstone & minor sandstone, fresh			2	w	76	79	105553
70	71	l&dgr	Siltstone & minor sandstone, fresh	2% py		10	w			
71	72	lgr	Siltstone, fresh	2% py		15	w			
72	73	l&dgr	Siltstone, fresh			0				
73	74	lgr	Siltstone, fresh			0				
74	75	lgr	Siltstone, fresh			0				
75	76	lgr	Siltstone, fresh			0				
76	77	d&lgr	Siltstone, fresh	Tr py		0				
77	78	d&lgr	Siltstone, fresh	Tr py		0				
78	79	lgr	Siltstone, fresh			0				
79	80									
80	81		EOH at 79m							
81	82									
82	83									
83	84									
84	85									
85	86									
86	87									
87	88									
88	89									
89	90									

4980771

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574490.7m	**Hole No**	RC98MT037
Date Commenced	12.11.98	**Drillers**	Diamond Drill Tas	***Northing***	5046743.9m	**Azimuth**	270 AMG
Date Completed	13.11.98	**Hole Depth**	96m	**RL**	308.7m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Fill & Tailings					2	4	105554
1	2	br	Fill & Tailings					4	6	105555
2	3	lbr	Fill & Tailings & Clay			0		6	9	105556
3	4	ybr	Siltstone, weathered & Clay			0		9	11	105557
4	5	ybr	Siltstone, weathered			0		11	12	105558
5	6	lbr	Siltstone, weathered			0		12	13	105559
6	7	lbr	Siltstone, weathered			0		13	15	105560
7	8	lbr	Siltstone, weathered			0		15	17	105561
8	9	lbr	Siltstone, weathered			0		17	19	105562
9	10	lgr&br	Siltstone & Sandstone, fg, partly weathered			0		19	21	105563
10	11	lgr&br	Siltstone, partly weathered			0		21	22	105564
11	12	lgr	Siltstone & Sandstone, fg, partly weathered	Fe after Su in qtz		2	w fe	22	24	105565
12	13	lgr	Siltstone, partly weathered Damp	2% py		40	w gr fe	24	26	105566
13	14	lgr	Siltstone, fresh	0.5% py		1	w gr	26	28	105567
14	15	lgr	Siltstone, fresh	0.5% py		0.5	w gr	28	30	105568
15	16	lgr	Siltstone, fresh			0.5	w gr			
16	17	lgr	Siltstone, fresh			1	w fe			
17	18	lgr	Siltstone, fresh			0				
18	19	lgr	Siltstone, fresh	Tr py		0.5	w			
19	20	lgr	Siltstone & minor sandstone, fresh	Tr py		3	w			
20	21	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		5	w			
21	22	lgr	Siltstone, fresh	1% py		20	w gr			
22	23	lgr	Siltstone, fresh	Tr py		1	w			
23	24	lgr	Siltstone, fresh	Tr py		2	w			
24	25	lgr	Siltstone, fresh	Tr py		1	w			
25	26	lgr	Siltstone, fresh	0.5% py		2	w			
26	27	lgr	Siltstone, fresh	Tr py		2	w			
27	28	lgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w			
28	29	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		40	w gr			
29	30	lgr	Siltstone & Sandstone, fg, fresh	0.5% py/asp		3	w gr			

4980178

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574490.7m	**Hole No**	RC98MT037
Date Commenced	12.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5046743.9m	**Azimuth**	270 AMG
Date Completed	13.11.98	**Hole Depth**	96m	**RL**	308.7m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone & Sandstone, fg, fresh	Tr py		60	w gr	30	32	105568
31	32	lgr	Siltstone, fresh	0.5% py/asp		3	w gr	32	34	105569
32	33	lgr	Siltstone, fresh	0.5% py/asp		50	gr w	34	36	105570
33	34	lgr	Siltstone & Sandstone, fg, fresh	Tr py		2	w gr	36	38	105571
34	35	lgr	Siltstone, fresh			0		38	40	105572
35	36	lgr	Siltstone & Sandstone, fg, fresh	Tr py		3	w gr	40	42	105573
36	37	lgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w	42	44	105574
37	38	lgr	Sandstone, fg, fresh	0.5% py		1	w	44	46	105575
38	39	lgr	Siltstone & Sandstone, fg, fresh			1	w	46	48	105576
39	40	lgr	Siltstone, fresh			0		48	50	105577
40	41	lgr	Siltstone, fresh	Tr py		0.5	w gr	50	52	105578
41	42	lgr	Siltstone, fresh	Tr py		0		52	54	105579
42	43	lgr	Siltstone, fresh - Wet samples from here on	0.5% py		2	w gr	54	56	105580
43	44	lgr	Siltstone, fresh	0.5% py		3	gr	56	58	105581
44	45	lgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w gr	58	60	105582
45	46	lgr	Siltstone, fresh	Tr py		1	w gr			
46	47	lgr	Siltstone, fresh	Tr py		0.5	w			
47	48	lgr	Siltstone, fresh			0.5	w			
48	49	lgr	Siltstone, fresh	Tr py		30	w gr			
49	50	lgr	Siltstone, fresh			0				
50	51	lgr	Siltstone, fresh			3	w			
51	52	lgr	Siltstone, fresh	Tr py		5	w gr			
52	53	lgr	Siltstone, fresh			5	w gr			
53	54	lgr	Siltstone, fresh	Tr py		5	w gr			
54	55	lgr	Siltstone, fresh	Tr py		3	w			
55	56	lgr	Siltstone, fresh	Tr py		10	w			
56	57	lgr	Siltstone, fresh			10	w			
57	58	lgr	Siltstone, fresh			10	w			
58	59	lgr	Siltstone, fresh	Tr py		5	w			
59	60	lgr	Siltstone, fresh			30	w gr			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574490.7m	**Hole No**	RC98MT037
Date Commenced	12.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5046743.9m	**Azimuth**	270 AMG
Date Completed	13.11.98	**Hole Depth**	96m	**RL**	308.7m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	Tr py		15	w	60	62	105583
61	62	lgr	Siltstone, fresh			0.5	w	62	64	105584
62	63	lgr	Siltstone, fresh			0		64	66	105586
63	64	lgr	Siltstone, fresh			0		66	68	105587
64	65	lgr	Siltstone, fresh			0		68	69	105588
65	66	lgr	Siltstone, fresh			0		69	70	105589
66	67	lgr	Siltstone, fresh			0		70	71	105590
67	68	l&dgr	Siltstone, fresh	0.5% py		2	w gr	71	73	105591
68	69	l&dgr	Siltstone, fresh	2% py		30	w gr	73	75	105592
69	70	l&dgr	Siltstone, fresh	2% py		2	gr w	75	77	105593
70	71	lgr	Siltstone, fresh	1% py		5	w gr	77	79	105594
71	72	lgr	Siltstone, fresh	Tr py		0.5	w	79	81	105595
72	73	lgr	Siltstone, fresh	Tr py		0		81	83	105596
73	74	lgr	Siltstone, fresh	Tr py		0		83	85	105597
74	75	lgr	Siltstone, fresh	Tr py		1	w	85	87	105598
75	76	lgr	Siltstone, fresh			10	w	87	89	105599
76	77	lgr	Siltstone, fresh			10	w	89	91	105600
77	78	lgr	Siltstone, fresh	Tr py		50	w gr			
78	79	lgr	Siltstone, fresh			2	w			
79	80	lgr	Siltstone, fresh			2	w			
80	81	lgr	Siltstone, fresh			2	w			
81	82	lgr	Siltstone, fresh			0.5	w gr			
82	83	lgr	Siltstone, fresh			0				
83	84	lgr	Siltstone, fresh			0				
84	85	lgr	Siltstone, fresh			0				
85	86	lgr	Siltstone, fresh			1	w			
86	87	lgr	Siltstone, fresh			0.5	w			
87	88	lgr	Siltstone, fresh			0.5	w			
88	89	lgr	Siltstone, fresh			0.5	w			
89	90	lgr	Siltstone, fresh			0.5	w			

4980080

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574490.7m	**Hole No**	RC98MT037
Date Commenced	12.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5046743.9m	**Azimuth**	270 AMG
Date Completed	13.11.98	**Hole Depth**	96m	**RL**	308.7m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh			0.5	w	91	93	105601
91	92	lgr	Siltstone, fresh			0		93	96	105602
92	93	lgr	Siltstone & Sandstone, fg, fresh			0				
93	94	lgr	Siltstone, fresh			1	w			
94	95	lgr	Siltstone, fresh			0				
95	96	lgr	Siltstone, fresh			0				
96	97									
97	98		EOH at 96m							
98	99									
99	100									
100	101									
101	102									
102	103									
103	104									
104	105									
105	106									
106	107									
107	108									
108	109									
109	110									
110	111									
111	112									
112	113									
113	114									
114	115									
115	116									
116	117									
117	118									
118	119									
119	120									

4980081

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574530m	**Hole No**	RC98MT038
Date Commenced	14.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5046746.2m	**Azimuth**	270 AMG
Date Completed	14.11.98	**Hole Depth**	91m	**RL**	310.1m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Tailings					0	2	105603
1	2	lbr	Tailings					2	4	105604
2	3	lbr	Tailings					4	7	105605
3	4	lbr	Tailings					7	10	105606
4	5	lbr	Tailings					10	12	105607
5	6	lbr	Tailings					12	14	105608
6	7	lbr	Tailings					14	16	105609
7	8	br	Clay & Tailings			0		16	18	105610
8	9	br	Clay			0		18	20	105611
9	10	br	Clay			0		20	22	105612
10	11	ybr	Siltstone, weathered			0		22	24	105613
11	12	ybr	Siltstone, weathered			0		24	25	105614
12	13	lbr	Sandstone, fg, weathered			0.5	w fe	25	26	105615
13	14	lbr	Siltstone, weathered			0		26	27	105616
14	15	lgr	Siltstone, partly weathered			0		27	28	105617
15	16	lgr&br	Siltstone, partly weathered			2	w fe	28	29	105618
16	17	lgr	Siltstone, partly weathered			0		29	30	105619
17	18	lgr	Siltstone & Sandstone, fg , partly weathered	Tr py		2	gr w			
18	19	lgr	Siltstone & Sandstone, fg , trace weathering			10	w			
19	20	lgr	Siltstone, fresh			1	w			
20	21	lgr	Sandstone, fg, fresh			10	w			
21	22	lgr	Siltstone, fresh			1	w			
22	23	lgr	Siltstone, fresh	Tr py		1	w			
23	24	lgr	Siltstone & Sandstone, fresh			10	w			
24	25	lgr	Siltstone, fresh	0.5%py/asp?		90	w gr			
25	26	lgr	Siltstone, fresh	1% asp		70	w gr			
26	27	lgr	Siltstone, fresh	0.5% asp/py		70	w gr			
27	28	lgr	Siltstone, fresh	0.5% asp?		30	w gr			
28	29	lgr	Siltstone, fresh	Tr asp		40	w gr			
29	30	lgr	Siltstone & Sandstone, fresh	0.5% asp?		40	w gr			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574530m	**Hole No**	RC98MT038
Date Commenced	14.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5046746.2m	**Azimuth**	270 AMG
Date Completed	14.11.98	**Hole Depth**	91m	**RL**	310.1m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh	Tr asp		40	w gr	30	31	105620
31	32	lgr	Siltstone, fresh	1%asp/py		90	gr	31	32	105621
32	33	lgr	Siltstone & Sandstone, fg, fresh	Tr asp		1	gr	32	34	105622
33	34	lgr	Siltstone, fresh			0		34	36	105623
34	35	lgr	Siltstone, fresh			0		36	38	105624
35	36	lgr	Siltstone, fresh			1	w	38	40	105625
36	37	lgr&cm	Siltstone, fresh			1	w	40	42	105626
37	38	lgr	Siltstone, fresh			2	w	42	44	105627
38	39	lgr	Siltstone, fresh			0		44	46	105628
39	40	lgr	Siltstone, fresh			0		46	48	105629
40	41	lgr	Siltstone, fresh			0		48	50	105630
41	42	lgr	Siltstone, fresh			0		50	52	105631
42	43	lgr	Siltstone, fresh			0		52	54	105632
43	44	lgr	Siltstone, fresh			0		54	56	105633
44	45	lgr&cm	Siltstone, fresh			3	w	56	58	105634
45	46	lgr&cm	Siltstone, fresh			2	w	58	60	105635
46	47	lgr	Siltstone, fresh			0				
47	48	lgr	Siltstone, fresh			0				
48	49	lgr	Siltstone, fresh			0				
49	50	lgr	Siltstone, fresh			0				
50	51	lgr	Siltstone, fresh			0				
51	52	lgr	Siltstone, fresh			0				
52	53	lgr	Siltstone, fresh			1	w			
53	54	lgr	Siltstone, fresh			1	w			
54	55	lgr	Siltstone, fresh			0				
55	56	l&dgr	Siltstone & Sandstone, fg, fresh			3	w			
56	57	lgr	Sandstone, fg, fresh	Tr py		2	w			
57	58	lgr	Siltstone & Sandstone, fg, fresh			0				
58	59	l&dgr	Siltstone, fresh			0.5	w			
59	60	lgr	Siltstone, fresh			0				

4980883

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574530m
Date Commenced	14.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5046746.2m
Date Completed	14.11.98	**Hole Depth**	91m	**RL**	310.1m

Hole No	RC98MT038
Azimuth	270 AMG
Inclination	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone & Sandstone, fg, fresh			1	w	60	62	105636
61	62	lgr	Siltstone, fresh			0		62	64	105637
62	63	lgr	Siltstone, fresh			0		64	66	105638
63	64	lgr	Siltstone, fresh			0		66	68	105639
64	65	lgr	Siltstone, fresh			0		68	70	105640
65	66	lgr	Siltstone, fresh			0		70	72	105641
66	67	lgr	Siltstone, fresh			0		72	74	105642
67	68	lgr	Siltstone, fresh			0		74	76	105643
68	69	lgr	Siltstone, fresh			0		76	78	105644
69	70	lgr	Siltstone, fresh			0		78	80	105645
70	71	lgr	Siltstone, fresh			0		80	82	105646
71	72	lgr	Siltstone, fresh			0		82	85	105647
72	73	lgr	Siltstone, fresh			0		85	86	105648
73	74	lgr	Siltstone, fresh			1	w	86	87	105649
74	75	lgr	Siltstone, fresh			0		87	88	105650
75	76	lgr	Siltstone & Sandstone, fg, fresh			0		88	89	105651
76	77	lgr	Siltstone, fresh			0		89	91	105652
77	78	lgr	Siltstone, fresh			0				
78	79	lgr	Siltstone, fresh			0				
79	80	lgr	Siltstone, fresh			0.5	w			
80	81	lgr	Siltstone, fresh			0.5	w			
81	82	lgr	Siltstone, fresh			0				
82	83	lgr	Siltstone, fresh			0				
83	84	lgr	Siltstone, fresh			0				
84	85	lgr	Siltstone, fresh	Tr py		0.5	w			
85	86	lgr	Siltstone, fresh, wet, tailings contamination			1	w			
86	87	lgr	Siltstone, fresh,wet, minor tailings contamination	Tr py		3	w			
87	88	grbl	Siltstone & Shale, fresh	1% py		70	gr			
88	89	bl	Shale, silicified, fresh	0.5% py		40	gr			
89	90	bl	Shale, graphitic			0				
90	91	bl	Shale, graphitic			0				
91	92		EOH at 91m due to hammer blocking up with tailings							

498084

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574569.7m	**Hole No**	RC98MT039
Date Commenced	15.11.98	**Drillers**	Diamond Drill Tas	***Northing***	5406746.5m	**Azimuth**	270 AMG
Date Completed	16.11.98	**Hole Depth**	85m	**RL**	307.9m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Tailings					0	2	105653
1	2	br&gr	Tailings					2	4	105654
2	3	br	Tailings					4	6	105655
3	4	br	Tailings					6	8	105656
4	5	br	Tailings & minor clay					8	10	105657
5	6	br	Tailings					10	12	105658
6	7	br	Tailings & Clay					12	14	105659
7	8	ybr&gr	Clay & Quartz					14	16	105660
8	9	obr	Siltstone, weathered, ferruginous			0.5	w	16	18	105661
9	10	obr	Siltstone, weathered, ferruginous			0		18	20	105662
10	11	ybr	Siltstone, weathered, ferruginous			0		20	22	105663
11	12	ybr	Siltstone, weathered, ferruginous			0		22	24	105664
12	13	ybr	Siltstone, weathered, ferruginous			2	w fe	24	26	105665
13	14	ybr	Siltstone, weathered, ferruginous			2	w fe	26	28	105666
14	15	ybr	Siltstone, weathered, ferruginous			0.5	w fe	28	30	105667
15	16	lgr	Siltstone, partly weathered			0				
16	17	lgr	Siltstone, partly weathered			0				
17	18	lgr	Siltstone, partly weathered			0				
18	19	lbr	Siltstone, partly weathered			0				
19	20	lgr	Siltstone, partly weathered			0				
20	21	lgr	Siltstone, partly weathered	Tr py		1	fe w			
21	22	lgr	Siltstone, partly weathered	0.5% py		1	fe			
22	23	lgr	Siltstone, fresh			1	fe			
23	24	lgr	Siltstone, fresh	Tr py		2	fe			
24	25	lgr	Siltstone, fresh			2	fe w			
25	26	lgr	Siltstone, fresh			0.5	fe			
26	27	lgr	Siltstone, fresh			0				
27	28	lgr	Siltstone, fresh	Tr py		0				
28	29	lgr	Siltstone, fresh	Tr py		0				
29	30	lgr	Siltstone, fresh			0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574569.7m	**Hole No**	RC98MT039
Date Commenced	15.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406746.5m	**Azimuth**	270 AMG
Date Completed	16.11.98	**Hole Depth**	85m	**RL**	307.9m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh			0		30	32	105668
31	32	lgr	Siltstone, fresh			0		32	34	105669
32	33	lgr&cm	*Siltstone & Sandstone, fg, fresh*			0		34	36	105670
33	34	lgr	Siltstone, fresh			0.5	w	36	38	105671
34	35	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	38	40	105672
35	36	lgr	*Siltstone & minor sandstone, fg, fresh*			1	w	40	42	105673
36	37	lgr	Siltstone, fresh	Tr asp		1	w	42	44	105674
37	38	lgr	Sandstone, fg, fresh			0		44	46	105675
38	39	lgr	*Siltstone & Sandstone, fg, fresh*			0		46	48	105676
39	40	lgr	Siltstone, fresh			0		48	50	105677
40	41	lgr	Sandstone, fg &Siltstone, fresh			0.5	w	50	51	105678
41	42	lgr	Siltstone, fresh			0		51	52	105679
42	43	lgr	Siltstone, fresh			0		52	53	105680
43	44	lgr	Siltstone, fresh			0		53	54	105681
44	45	lgr	*Siltstone & minor sandstone, fg, fresh*			0.5	w	54	55	105682
45	46	lgr&cm	Siltstone & Sandstone, fg, fresh			0.5	w	55	56	105683
46	47	lgr	Sandstone, fg, fresh			0		56	57	105684
47	48	lgr	Sandstone, fg, fresh			0		57	58	105685
48	49	lgr	Siltstone & Sandstone, fg, fresh			1	w	58	59	105686
49	50	lgr	Sandstone, fg, fresh	Tr Su		3	w	59	60	105687
50	51	lgr&g	Sandstone, fg, fresh	Tr py		10	w			
51	52	lgr&g	Sandstone, fg &Siltstone, fresh	3% asp/py, cvg(4)		60	w gr			
52	53	lgr&g	Sandstone, fg &Siltstone, fresh	1% py/asp, vg		70	w			
53	54	lgr&g	Sandstone, fg &Siltstone, fresh	1% cg asp/py, vg		90	w			
54	55	lgr&g	Siltstone & Sandstone, fg, fresh	1% cg asp/py		40	w			
55	56	lgr&g	Siltstone & Sandstone, fg, fresh	1% cg asp/py		40	w			
56	57	lgr&g	Siltstone & Sandstone, fg, fresh	Tr py		15	w			
57	58	lgr&g	Sandstone, fg &Siltstone, fresh	0.5% py/asp		5	w			
58	59	lgr&g	Siltstone & Sandstone, fg, fresh	1% py/asp		20	w			
59	60	lgr&g	Siltstone, fresh	Tr py		3	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574569.7m	**Hole No**	RC98MT039
Date Commenced	15.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406746.5m	**Azimuth**	270 AMG
Date Completed	16.11.98	**Hole Depth**	85m	**RL**	307.9m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr&g	Siltstone, fresh			2	w	60	61	105688
61	62	lgr&g	Siltstone & Sandstone, fg, fresh	1% py		25	w gr	61	62	105689
62	63	lgr&g	Sandstone, fg &Siltstone, fresh	0.5% py		10	w	62	63	105690
63	64	lgr&g	Sandstone, fg &Siltstone, fresh	Tr py		1	w	63	65	105691
64	65	lgr	Sandstone, fg, fresh			0.5	w	65	67	105692
65	66	lgr	Sandstone, fg & Siltstone, fresh			3		67	68	105693
66	67	lgr	Siltstone & minor sandstone, fresh			3		68	69	105694
67	68	lgr&g	Siltstone & Sandstone, fg, fresh	1% py		5		69	70	105695
68	69	lgr&g	Siltstone & Sandstone, fg, fresh	0.5% py asp (cg)		60		70	71	105696
69	70	lgr&g	Siltstone, fresh	0.5% py asp (cg)		15		71	73	105697
70	71	lgr&g	Siltstone, fresh	2% py		25		73	74	105698
71	72	lgr	Siltstone, fresh			1		74	75	105699
72	73	lgr&cm	Siltstone, fresh, with vfg pyrite	0.5% py		0.5		75	76	105700
73	74	lgr&cm	Siltstone, fresh, with vfg pyrite	2% py		0.5		76	77	105701
74	75	lgr&g	Siltstone, fresh, with vfg pyrite	2% py		25		77	79	105702
75	76	lgr&g	Siltstone, fresh, with vfg pyrite	Tr py		80		79	81	105703
76	77	lgr&g	Siltstone, fresh, with vfg pyrite	0.5% py		20		81	83	105704
77	78	lgr&g	Siltstone, fresh, with vfg pyrite?	1 % py		1		83	85	105705
78	79	lgr	Siltstone, fresh, with vfg pyrite?	Tr py		0.5				
79	80	lgr	Siltstone, fresh, with vfg pyrite?	Tr py		0.5				
80	81	lgr&cm	Siltstone & Sandstone, fg, fresh			0.5				
81	82	lgr	Siltstone, fresh			0				
82	83	lgr	Siltstone, fresh			0				
83	84	lgr	Siltstone, fresh			0				
84	85	lgr	Siltstone, fresh			0				
85	86									
86	87		EOH at 85m due to slow drilling rate.							
87	88									
88	89									
89	90									

49808-1

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574610.3m	**Hole No**	RC98MT040
Date Commenced	16.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406747.4m	**Azimuth**	270 AMG
Date Completed	17.11.98	**Hole Depth**	108m	**RL**	306.2m	**Inclination**	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Tailings & Clay - No Recovery					4	6	105706
1	2	br	Tailings & Clay - No Recovery					6	8	105707
2	3	br	Tailings & Clay - No Recovery					8	10	105708
3	4	br	Tailings & Clay - No Recovery					10	12	105709
4	5	ybr	Siltstone, weathered & Clay			0		12	14	105710
5	6	ybr	Siltstone, weathered			0		14	16	105711
6	7	lbr	Siltstone, weathered			1	fe	16	18	105712
7	8	lbr	Sandstone, fg & Siltstone, weathered			0		18	20	105713
8	9	lbr	Sandstone, fg & Siltstone, weathered			0		20	22	105714
9	10	lbr	Siltstone, weathered			0		22	24	105715
10	11	lbr	Siltstone & Sandstone, fg, weathered			2	fe	24	26	105716
11	12	lbr	Siltstone & Sandstone, fg, weathered			60	w fe	26	28	105717
12	13	lbr	Siltstone & Sandstone, fg, weathered			3	w gr fe	28	30	105718
13	14	lbr	Siltstone, weathered			0				
14	15	lbr	Siltstone, weathered			0				
15	16	lbr	Siltstone, weathered			0				
16	17	lbr	Siltstone, weathered			0				
17	18	lbr	Siltstone, weathered			3	w fe			
18	19	lbr	Siltstone, weathered			10	w fe			
19	20	lbr	Siltstone, weathered			1	w			
20	21	lbr	Siltstone, weathered			1	w			
21	22	lbr	Siltstone, weathered			0.5	w fe			
22	23	lbr	Siltstone, weathered			0				
23	24	ybr	Siltstone, weathered			0.5	w			
24	25	lbr	Siltstone, weathered			50	fe w			
25	26	lbr&gr	Siltstone, weathered			3	fe w			
26	27	lgr&br	Siltstone, partly weathered			0				
27	28	lbr&gr	Siltstone, weathered			5	w fe			
28	29	lgr&br	Siltstone, partly weathered			0				
29	30	lgr	Siltstone, partly weathered			0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574610.3m	**Hole No**	RC98MT040
Date Commenced	16.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406747.4m	**Azimuth**	270 AMG
Date Completed	17.11.98	**Hole Depth**	108m	**RL**	306.2m	**Inclination**	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, partly weathered			10	w fe	30	32	105719
31	32	lgr	Siltstone & Sandstone, slightly weathered			0.5	w fe	32	34	105720
32	33	lgr	Siltstone & Sandstone, partly weathered			10	fe w	34	36	105721
33	34	lgr	Siltstone & Sandstone, partly weathered			2	fe w	36	38	105722
34	35	lgr	Siltstone, partly weathered			1	w fe	38	40	105723
35	36	lgr	Sandstone, fg & Siltstone, partly weathered			2	w	40	42	105724
36	37	lgr	Siltstone, partly weathered			40	w fe	42	44	105725
37	38	lgr	Siltstone, fresh			0		44	46	105726
38	39	lgr	Siltstone, fresh			20	w	46	48	105727
39	40	lgr	Siltstone, fresh			1	w	48	50	105728
40	41	lgr	Siltstone, fresh			0		50	52	105729
41	42	lgr	Siltstone, fresh			0		52	54	105730
42	43	lgr	Siltstone, fresh			0		54	56	105731
43	44	lgr	Siltstone, fresh			0		56	58	105732
44	45	lgr	Siltstone, fresh			1	w	58	60	105733
45	46	lgr&cm	Siltstone & Sandstone, fg, fresh			0				
46	47	lgr&g	Siltstone & Sandstone, fg, fresh	Tr Py		2	w			
47	48	lgrg&cm	Siltstone & Sandstone, fg, fresh	Tr Py		2	w			
48	49	lgrg&cm	Siltstone & Sandstone, fg, fresh			1	w			
49	50	lgrg&cm	Sandstone, fg, fresh			1	w			
50	51	lgrg&cm	Siltstone & Sandstone, fg, fresh			1	w			
51	52	lgr	Siltstone, fresh			1	w			
52	53	lgr&cm	Siltstone & Sandstone, fg, fresh			0				
53	54	lgr	Siltstone & Sandstone, fg, fresh			0				
54	55	lgr	Siltstone, fresh	Tr Py		2	w			
55	56	lgr&cm	Siltstone & Sandstone, fg, fresh			1	w			
56	57	lgr	Siltstone, fresh	Tr Py		2	w			
57	58	lgr	Siltstone, fresh			0				
58	59	lgr	Siltstone & minor sandstone, fresh	Tr Py		0				
59	60	lgr	Sandstone, fg, & minor siltstone			0				

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574610.3m	**Hole No**	RC98MT040
Date Commenced	16.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406747.4m	**Azimuth**	270 AMG
Date Completed	17.11.98	**Hole Depth**	108m	**RL**	306.2m	**Inclination**	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone & minor sandstone, fresh	0.5% py		2	w	60	62	105734
61	62	lgr	Siltstone, fresh	0.5% py		3	w	62	64	105735
62	63	lgr	Siltstone, fresh	Tr Py		10	w	64	66	105736
63	64	lgr	Sandstone, fg & minor siltstone			0		66	68	105737
64	65	lgr	Siltstone & minor sandstone, fresh	Tr Py		15	w	68	70	105738
65	66	lgr&cm	Sandstone, fg & Siltstone, fresh			1	w	70	72	105739
66	67	lgr	Siltstone, fresh			0		72	74	105740
67	68	lgr	Siltstone, fresh			0		74	76	105741
68	69	lgr	Siltstone, fresh	Tr py		5	w	76	78	105742
69	70	lgr	Siltstone, fresh			1	w	78	80	105743
70	71	lgr	Siltstone & minor sandstone, fresh			0		80	82	105744
71	72	lgr	Siltstone & Sandstone, fg, fresh			0		82	84	105745
72	73	lgr	Siltstone, fresh			0		84	86	105746
73	74	lgr	Siltstone, fresh			0		86	88	105747
74	75	lgr	Siltstone & minor sandstone, fresh			0		88	91	105748
75	76	lgr	Siltstone & minor sandstone, fresh	Tr py		0.5	w			
76	77	lgr	Siltstone & minor sandstone, fresh			0				
77	78	lgr	Siltstone & minor sandstone, fresh			0				
78	79	lgr	Siltstone & minor sandstone, fresh			0				
79	80	lgr	Siltstone & minor sandstone, fresh	Tr py		1	w			
80	81	lgr	Siltstone & minor sandstone, fresh			0				
81	82	lgr	Siltstone & minor sandstone, fresh	Tr py		3	w			
82	83	lgr	Siltstone, fresh	0.5% py		2	w			
83	84	lgr	Siltstone, fresh	Tr Su		1	w			
84	85	lgr	Siltstone, fresh	Tr Su		0				
85	86	lgr	Siltstone, fresh	Tr Su		2	w			
86	87	lgr	Siltstone, fresh	Tr py		0				
87	88	lgr	Siltstone, fresh			0				
88	89	lgr	Siltstone, fresh	Tr py		0.5	w			
89	90	lgr	Siltstone, fresh			0				

4980090

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574610.3m	**Hole No**	RC98MT040
Date Commenced	16.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406747.4m	**Azimuth**	270 AMG
Date Completed	17.11.98	**Hole Depth**	108m	**RL**	306.2m	**Inclination**	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh	Tr py		0		91	92	105748
91	92	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		3	w	92	93	105749
92	93	lgr	Siltstone, fresh	1% py		0.5	w	93	94	105750
93	94	lgr	Siltstone, fresh	0.5% py/asp		10	w	94	95	105751
94	95	lgr	Siltstone, fresh	Tr py		10	w	95	96	105752
95	96	lgr	Siltstone, fresh	Tr py/asp		85	w	96	97	105753
96	97	lgr	Siltstone, fresh	0.5% py/asp		70	w	97	98	105754
97	98	lgrg	Siltstone, fresh	1% cg asp		95	w	98	99	105755
98	99	lgr	Siltstone & Sandstone, fg, fresh	0.5%asp		40	w	99	100	105756
99	100	lgr	Siltstone, fresh	0.5%asp/py		30	w	100	101	105758
100	101	lgr	Siltstone, fresh	1%py		0		101	102	105759
101	102	lgr	Siltstone, fresh	0.5% cg asp/py		5	w	102	104	105760
102	103	lgr	Siltstone, fresh	Tr py		3	w	104	106	105761
103	104	lgr	Siltstone & minor sandstone, fresh	Tr py		20	w	106	108	105762
104	105	lgr	Sandstone, fg & Siltstone, fresh			0.5	w	106	108	105763
105	106	lgr	Siltstone & minor sandstone, fresh	1% py		0				
106	107	lgr	Siltstone, fresh	1% py		0				
107	108	lgr	Siltstone & minor sandstone, fresh	Tr py		0		Surveys		
108	109									
109	110		EOH at108m					Depth	Azimuth	Inclination
110	111							30	260	48.5
111	112							60	260	48
112	113							90	260	48
113	114									
114	115									
115	116									
116	117									
117	118									
118	119									
119	120									

4980091

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574454.4m	**Hole No**	RC98MT041
Date Commenced	17.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406585.9m	**Azimuth**	70 AMG
Date Completed	18.11.98	**Hole Depth**	79m	**RL**	327.3m	**Inclination**	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Siltstone, weathered			3	w fe	0	2	105763
1	2	lbr	Siltstone, weathered			0.5	w fe	2	4	105764
2	3	lbr	Siltstone, weathered			5	w fe	4	5	105765
3	4	lbr	Sandstone, fg & Siltstone, weathered			1	w fe	5	6	105766
4	5	lbr	Siltstone, weathered			80	w fe	6	8	105767
5	6	lbr	Siltstone, weathered	very fe qtz		70	fe w	8	10	105768
6	7	lbr	Siltstone, weathered			10	fe w	10	11	105769
7	8	lbr	Siltstone & Sandstone, fg, weathered			5	fe w	11	12	105770
8	9	lbr	Siltstone, weathered			1	fe w	12	13	105771
9	10	lbr	Siltstone, weathered			1	w fe	13	14	105772
10	11	lbr	Siltstone & Sandstone, fg, weathered	very fe qtz		70	fe w	14	16	105773
11	12	lbr	Siltstone, weathered			5	fw	16	17	105774
12	13	lbr	Siltstone, weathered	very fe qtz		60	f	17	18	105775
13	14	lbr	Sandstone, fg & Siltstone, weathered			3	f	18	19	105776
14	15	lbr	Open Stope - No Sample					19	21	105777
15	16	lbr	Open Stope to 15.5m, Siltstone, weathered thereafter			80	w fe	21	23	105778
16	17	ybr	Siltstone, weathered			80	w fe	23	24	105779
17	18	ybr	Siltstone, weathered			95	fe w	24	26	105780
18	19	ybr	Siltstone & Sandstone, fg, weathered			40	w fe	26	28	105781
19	20	lbr	Sandstone, fg & Siltstone, weathered			10	w fe	28	30	105782
20	21	lbr	Siltstone & Sandstone, fg, weathered			1	w fe			
21	22	lbr	Sandstone, fg & Siltstone, weathered			1	ww			
22	23	lbr	Sandstone, fg & Siltstone, weathered			1	w			
23	24	lbr&gr	Siltstone, weathered	0.5% asp/py		70	gr w			
24	25	lbr	Sandstone, fg & minor siltstone, weathered			1	w fe			
25	26	lgr&br	Sandstone, fg, partly weathered			0				
26	27	lgr	Sandstone, fg, partly weathered			3	w fe			
27	28	lgr	Sandstone, fg, minor weathering			2	w			
28	29	lgr	Sandstone, fg, minor weathering			10	w			
29	30	lgr	Sandstone, fg & Siltstone, fresh			1	w			

4960962

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574454.4m	**Hole No**	RC98MT041
Date Commenced	17.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406585.9m	**Azimuth**	70 AMG
Date Completed	18.11.98	**Hole Depth**	79m	**RL**	327.3m	**Inclination**	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Sandstone, fg & Siltstone, fresh	Tr asp		10	w gr	30	31	105783
31	32	lgr	Sandstone, fg & Siltstone, fresh	Tr asp		80	w gr	31	32	105784
32	33	lgr	Siltstone & Sandstone, fg, fresh	0.5% asp		60	w gr	32	33	105785
33	34	lgr	Siltstone & Sandstone, fg, fresh	Tr py		1	w	33	35	105786
34	35	lgr	Siltstone & Sandstone, fg, fresh			1	w	35	37	105787
35	36	lgr	Sandstone, fg, fresh			5	w	37	39	105788
36	37	lgr	Sandstone, fg, fresh			1	w	39	4	105789
37	38	lgr	Sandstone, fg, fresh			0		41	43	105790
38	39	lgr	Sandstone, fg & Siltstone, fresh	Tr py		2	w	43	46	105791
39	40	lgr	Sandstone, fg & Siltstone, fresh	Tr py		2	w	46	47.5	105792
40	41	l&dgr	Siltstone, fresh	Tr py		5	w	52	54	105793
41	42	lgr	Sandstone, fg, fresh			1	w	54	56	105794
42	43	lgr	Sandstone, fg, fresh	Tr py		0.5	w	56	57	105795
43	44	lgr	Sandstone, fg & Siltstone, fresh	Tr py		2	w	57	58	105796
44	45	lgr	Sandstone, fg, fresh	Tr py		0		58	60	105797
45	46	l&dgr	Sandstone, fg & Siltstone, fresh			0				
46	47	lgr	Sandstone, fg, fresh			0				
47	48	lgr	Sandstone, fg & Siltstone, fresh - Open Stope at 47.5m	Tr py		2	w			
48	49		Open Stope							
49	50		Open Stope							
50	51		Open Stope							
51	52		Open Stope							
52	53	lgr	Sandstone, fg & Siltstone, fresh			0				
53	54	lgr	Sandstone, fg & Siltstone, fresh			1	w			
54	55	lgr	Sandstone, fg & Siltstone, fresh	Tr py		2	w			
55	56	lgr	Sandstone, fg & Siltstone, fresh	Tr py		3	w			
56	57	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		5	w			
57	58	lgr	Sandstone, fg, fresh	Tr py/asp		3	w			
58	59	lgr	Sandstone, fg & Siltstone, fresh			0				
59	60	lgr	Siltstone and minor sandstone, fresh			0				

4980993

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574454.4m	**Hole No**	RC98MT041
Date Commenced	17.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406585.9m	**Azimuth**	70 AMG
Date Completed	18.11.98	**Hole Depth**	79m	**RL**	327.3m	**Inclination**	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone and minor sandstone, fresh			1	w	60	62	105798
61	62	lgr	Siltstone & Sandstone, fg, fresh			0		62	64	105799
62	63	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	64	66	105800
63	64	lgr	Siltstone, fresh			3	w	66	68	105801
64	65	lgr	Siltstone, fresh			0		68	70	105802
65	66	lgr	Siltstone & minor sandstone, fresh			0		70	72	105803
66	67	lgr	Siltstone, fresh			0		72	74	105804
67	68	l&dgr	Siltstone, fresh			0.5	w	74	76	105805
68	69	lgr	Siltstone & minor sandstone, fresh			0		76	79	105806
69	70	lgr	Sandstone,fg & minor siltstone, fresh	Tr py		0				
70	71	l&dgr	Sandstone, fg & Siltstone, fresh			0.5	w			
71	72	lgr	Siltstone & Sandstone, fg, fresh			0				
72	73	lgr	Siltstone & Sandstone, fg, fresh			0				
73	74	l&dgr	Siltstone, fresh			0				
74	75	lgr	Siltstone, fresh			0				
75	76	lgr	Siltstone, fresh			0				
76	77	lgr	Siltstone, fresh			0				
77	78	l&dgr	Siltstone, fresh	Tr py		0				
78	79	lgr	Siltstone, fresh			0				
79	80									
80	81		EOH at 79m							
81	82									
82	83									
83	84									
84	85									
85	86									
86	87									
87	88									
88	89									
89	90									

4980094

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574480.8m	**Hole No**	RC98MT042
Date Commenced	18.11.98	**Drillers**	Diamond Drill Tas	***Northing***	5406586.4m	**Azimuth**	270 AMG
Date Completed	19.11.98	**Hole Depth**	108.5m	**RL**	325.8m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	ybr	Siltstone, weathered & Clay			0		0	2	105807
1	2	ybr	Siltstone, weathered			10	w fe	2	4	105808
2	3	ybr	Siltstone, weathered			1	w fe	4	5	105809
3	4	ybr	Siltstone, weathered			0		5	6	105810
4	5	lbr	Siltstone, weathered			60	w fe	6	8	105811
5	6	lbr	Siltstone, weathered			25	w fe	8	10	105812
6	7	lbr	Siltstone, weathered			3	w fe	10	12	105813
7	8	lbr	Siltstone, weathered			0		12	14	105814
8	9	lbr	Siltstone, weathered			0		14	16	105815
9	10	lbr	Siltstone, weathered			0		16	18	105816
10	11	lbr	Siltstone, weathered			5	w fe	18	20	105817
11	12	lbr	Siltstone, weathered			5	w fe	20	21	105818
12	13	lbr	Siltstone, weathered			0		21	23	105819
13	14	lbr	Siltstone, weathered			0		23	25	105820
14	15	lbr	Siltstone & Sandstone, fg, weathered			0		25	27	105821
15	16	lbr	Siltstone, weathered			0		27	29	105822
16	17	lbr	Siltstone, weathered			1	w fe			
17	18	lbr	Siltstone, weathered			0.5	w fe			
18	19	lbr	Siltstone, weathered			0.5	w fe			
19	20	lbr	Siltstone, weathered			0.5	w fe			
20	21	lbr	Siltstone, weathered			50	w gr fe			
21	22	lbr	Siltstone, weathered			1	w fe			
22	23	lgr	Siltstone, partly weathered			1	w fe			
23	24	lgr	Siltstone, slightly weathered	Tr py		0				
24	25	lgr	Siltstone, partly weathered			1	w			
25	26	lgr	Siltstone, trace weathering			0.5	w			
26	27	l&dgr	Siltstone, fresh			2	w			
27	28	l&dgr	Siltstone, fresh			2	w			
28	29	l&dgr	Siltstone, fresh	1% py		5	w			
29	30	gr	Siltstone, fresh			0				

4980093

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574480.8m	**Hole No**	RC98MT042
Date Commenced	18.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406586.4m	**Azimuth**	270 AMG
Date Completed	19.11.98	**Hole Depth**	108.5m	**RL**	325.8m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	l&dgr	Siltstone, fresh			2	w	29	31	105823
31	32	gr	Siltstone, fresh			0		31	34	105824
32	33	lgr	Siltstone & Sandstone, fg, fresh			0		34	36	105825
33	34	lgr	Siltstone minor sandstone, fg, fresh			0		36	37	105826
34	35	lgr	Siltstone, fresh	Tr py		3	w	37	38	105827
35	36	lgr	Siltstone, fresh	Tr py		2	w	38	39	105828
36	37	lgr	Siltstone, fresh	0.5% asp/py		30	w	39	41	105829
37	38	gr	Siltstone, fresh	0.5% asp/py		25	w	41	43	105830
38	39	l&dgr	Siltstone minor sandstone, fg, fresh	0.5%py		5	w	43	45	105831
39	40	lgr	Siltstone minor sandstone, fg, fresh			0		45	46	105832
40	41	lgr	Siltstone & Sandstone, fg, fresh			0		46	47	105833
41	42	lgr	Siltstone & Sandstone, fg, fresh			0		47	49	105834
42	43	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	49	51	105835
43	44	l&dgr	Siltstone & Sandstone, fg, fresh			0		51	53	105836
44	45	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	53	55	105837
45	46	lgr	Siltstone & Sandstone, fg, fresh	0.5% asp/py		50	w	55	57	105838
46	47	lgr	Siltstone & Sandstone, fg, fresh	Tr py		50	w	57	59	105839
47	48	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0.5	w	59	61	105840
48	49	lgr	Siltstone & Sandstone, fg, fresh			0				
49	50	lgr	Siltstone & Sandstone, fg, fresh			0				
50	51	lgr	Siltstone, fresh			0				
51	52	lgr	Siltstone & Sandstone, fg, fresh			0				
52	53	lgr	Siltstone & Sandstone, fg, fresh			0				
53	54	lgr	Siltstone, fresh			0				
54	55	lgr	Siltstone, fresh			0				
55	56	lgr	Siltstone, fresh			0				
56	57	lgr	Siltstone, fresh			0				
57	58	lgr	Siltstone, fresh	Tr py		0				
58	59	lgr	Siltstone, fresh	Tr py		0				
59	60	gr	Siltstone, fresh			0				

4980996

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574480.8m	**Hole No**	RC98MT042
Date Commenced	18.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406586.4m	**Azimuth**	270 AMG
Date Completed	19.11.98	**Hole Depth**	108.5m	**RL**	325.8m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	gr	Siltstone, fresh	Tr py		0		61	63	105841
61	62	gr	Siltstone, fresh			0		63	65	105842
62	63	gr	Siltstone, fresh			0		65	66	105843
63	64	gr	Siltstone, fresh			0		66	67	105844
64	65	gr	Siltstone, fresh	Tr py		0.5	w	67	68	105845
65	66	gr	Siltstone, fresh	1% py		20	w gr	68	69	105846
66	67	gr	Siltstone, fresh	2% py		20	w gr	69	70	105847
67	68	gr	Siltstone, fresh	1% py		60	w	70	71	105848
68	69	gr	Siltstone, fresh	1% py/asp		70	w	71	72	105849
69	70	lgr	Siltstone, fresh	Tr py		30	w	72	74	105850
70	71	lgr	Siltstone, fresh	1% py		60	w	74	75	105851
71	72	gr	Siltstone, fresh	1% py		5	w	75	76	105852
72	73	lgr	Siltstone, fresh	Tr py		0		76	77	105853
73	74	lgr	Siltstone, fresh	0.5% py		0		77	78	105854
74	75	lgr	Siltstone, fresh	0.5% py		50	w	78	79	105855
75	76	lgr	Siltstone, fresh	0.5% py/asp		30	w	79	80	105856
76	77	gr	Siltstone, fresh	1% py		50	w	80	81	105857
77	78	gr	Siltstone, fresh	0.5% py		50	w gr	81	82	105858
78	79	gr	Siltstone, fresh	Tr py		15	w	82	84	105859
79	80	gr	Siltstone, fresh			3	w	84	86	105860
80	81	gr	Siltstone, fresh	Tr py		30	w	86	88	105861
81	82	gr	Siltstone, fresh	0.5% py		30	w	88	90	105862
82	83	gr	Siltstone, fresh	Tr py		0.5	w			
83	84	gr	Siltstone, fresh	0.5% py		2	w			
84	85	gr	Siltstone, fresh	Tr py		5	w			
85	86	gr&dgr	Siltstone, fresh			1	w			
86	87	dgr	Siltstone & Shale, fresh	0.5% py		1	w			
87	88	dgr	Siltstone & Shale, fresh	Tr py		1	w			
88	89	dgr	Siltstone & Shale, fresh	1% py		1	w			
89	90	dgr	Siltstone & Shale, fresh	0.5% py		10	w			

49809

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574480.8m	**Hole No**	RC98MT042
Date Commenced	18.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406586.4m	**Azimuth**	270 AMG
Date Completed	19.11.98	**Hole Depth**	108.5m	**RL**	325.8m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	dgr&gr	Siltstone & Shale, fresh	0.5% py		5	w	90	92	105863
91	92	bl	Shale, fresh	0.5% py		0.5	w	92	94	105864
92	93	bl	Shale, fresh			1	w	94	96	105865
93	94	bl	Shale, fresh	Tr py		0.5	w	96	98	105866
94	95	bl	Shale, fresh			0.5	w	98	100	105867
95	96	bl	Shale, fresh			3	w	100	102	105868
96	97	bl	Shale, fresh	0.5% py		10	w	102	104	105869
97	98	l&dgr	Siltstone & Shale, fresh	2% py		0.5	w	104	106	105870
98	99	lgr	Siltstone & Sandstone, fg, fresh	Tr py		20	w	106	108	105871
99	100	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		30	w	108	108.5	105872
100	101	lgr	Siltstone & Sandstone, fresh	Tr py		25	w			
101	102	dgr	Siltstone, fresh	1% py		1	w			
102	103	l&dgr	Siltstone, fresh	Tr py		2	w			
103	104	l&dgr	Siltstone, fresh	0.5%py		1	w			
104	105	l&dgr	Siltstone, fresh	Tr py		2	w fe			
105	106	l&dgr	Sandstone, fg & Siltstone, trace weathering	Tr py		1	w			
106	107	l&dgr	Sandstone, fg & Siltstone, partly weathered - Wet			1	w fe			
107	108	l&dgr	Sandstone, fg & Siltstone, trace weathered - Wet	Tr ox py		2	w			
108	109	lgr	Siltstone, trace weathering - Wet	2% asp		15	w gr			
109	110							Surveys		
110	111		EOH at 108.5m due to very high water flow							
111	112							Depth	Azimuth	Inclination
112	113							30		61.5
113	114							60	263	65.5
114	115							90	261	67
115	116									
116	117									
117	118									
118	119									
119	120									

498098

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574551m	**Hole No**	RC99MT045
ate Commenced	11.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406745m	**Azimuth**	270 AMG
ate Completed	12.6.99	**Hole Depth**	67m	**RL**	309.2m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1		Tailings - No Recovery					4	6	105971
1	2		Tailings - No Recovery					6	8	105972
2	3		Tailings - No Recovery					8	10	105973
3	4		Tailings - No Recovery					10	12	105974
4	5	br	Clay			0		12	14	105975
5	6	br	Sandstone, fg & Siltstone, weathered and Clay - Lag			10	w fe	14	15	105976
6	7	ybr	Sandstone, fg & Siltstone, weathered and Clay - Lag			15	w fe	15	17	105977
7	8	ybr	Clay, weathered & minor Sandstone			5	w	17	19	105978
8	9	ybr	Siltstone, weathered			10	w fe	19	20	105979
9	10	ybr	Siltstone, weathered			2	w fe	20	21	105980
10	11	ybr	Siltstone, weathered			1	w	21	22	105981
11	12	ybr	Siltstone, weathered			0		22	23	105982
12	13	ybr	Siltstone, weathered			5	w fe	23	24	105983
13	14	lgr	Siltstone, partly weathered			2	w	24	25	105984
14	15	lgr	Siltstone, partly weathered	Tr asp		25	w fe	25	27	105985
15	16	lgr	Siltstone, partly weathered		Py spotting	1	fe	27	29	105986
16	17	lgr	Siltstone, fresh		Py spotting	0.5	w	29	31	105987
17	18	lgr	Siltstone, fresh			0				
18	19	lgr	Siltstone & Sandstone,fg, fresh			1	w			
19	20	lgr	Siltstone, fresh	0.5% py	Py spotting	25	w			
20	21	lgr	Siltstone, fresh	2% cg asp/py		50	w			
21	22	lgr	Siltstone, fresh	2% cg asp		50	w			
22	23	lgr	Siltstone, fresh	2% cg asp		50	w			
23	24	lgr	Siltstone, fresh	0.5% asp		25	w			
24	25	lgr	Siltstone & Sandstone, fg, fresh	Tr asp	Py spotting	2	w			
25	26	lgr	Siltstone, fresh	Tr su		10	w			
26	27	lgr	Siltstone, fresh Tr Contamination			10	w			
27	28	lgr	Siltstone, fresh Tr Contamination			2	w fe			
28	29	lgr	Siltstone, fresh Tr Contamination - Damp			2	w fe			
29	30	lgr	Siltstone, fresh Small Sample - Damp	Tr py		5	w			

4980099

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574551m	**Hole No**	RC99MT045
ate Commenced	11.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406745m	**Azimuth**	270 AMG
ate Completed	12.6.99	**Hole Depth**	67m	**RL**	309.2m	**Inclination**	55

Depth		Lithology							Sampling		
From	To	Colour	Description		Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh	Damp			2	w	31	33	105988
31	32	lgr	Siltstone & minor Sandstone, fresh	Damp, Small			15	w	33	35	105989
32	33	lgr	Siltstone, fresh	Damp - Minor Contamination			0		35	37	105990
33	34	lgr	Siltstone, fresh	Damp - Minor Contamination			1	w	37	39	105991
34	35	lgr	Siltstone & minor Sandstone, fresh	Damp	Tr py	Py spotting	15	w	39	41	105992
35	36	lgr	Siltstone & minor Sandstone, fresh	Damp			10	w	41	43	105993
36	37	lgr	Siltstone & minor Sandstone, fresh	Damp	1% py		3	w	43	45	105994
37	38	lgr	Sandstone, fg & Siltstone, fresh	Damp			1	w	45	47	105995
38	39	lgr	Sandstone, fg & Siltstone, fresh	Damp	1% py		2	w	47	49	105996
39	40	lgr	Siltstone & Sandstone, fg, fresh	Damp	Tr py		0.5	w	49	51	105997
40	41	lgr	Siltstone & Sandstone, fg, fresh	Damp			10	w	51	52	105998
41	42	lgr	Siltstone & Sandstone, fg, fresh	Damp	0.5%py		5	w	52	53	105999
42	43	lgr	Sandstone, fg & Siltstone, fresh	Damp	Tr Su		1	w	53	54	106000
43	44	l&dgr	Siltstone & Sandstone, fg, fresh	Damp	Tr Su		5	w	54	55	106001
44	45	lgr	Siltstone & Sandstone, fg, fresh	Damp	Tr Su	Py spotting	5	w	55	56	106002
45	46	lgr	Sandstone, fg & Siltstone, fresh	Damp	1% py	Py spotting	0		56	57	106003
46	47	lgr	Sandstone, fg, fresh	Damp			0		57	58	106004
47	48	lgr	Sandstone, fg & Siltstone, fresh	Damp			0		58	59	106005
48	49	lgr	Sandstone, fg & Siltstone, fresh	Damp	Tr py	Py spotting	0		59	60	106006
49	50	lgr	Sandstone, fg & Siltstone, fresh	Damp	0.5%py	Py spotting	0				
50	51	lgr	Sandstone, fg & Siltstone, fresh	Damp	Tr py	Py spotting	0				
51	52	lgr	Siltstone, fresh	Damp	1% py/asp		90	w			
52	53	lgr	Siltstone, fresh	Damp - Big	2% py/asp		95	gr w			
53	54	lgr	Siltstone, fresh	Damp - Big	0.5%py		3	w gr			
54	55	lgr	Siltstone, fresh	Damp - Big	3% py/asp		80	gr w			
55	56	dgr	Siltstone, fresh	Wet - Small	0.5% py		20	w gr			
56	57	dgr	Siltstone, fresh	Damp - Small	0.5% py		20	w			
57	58	dgr	Siltstone, fresh	Damp - Small	1% py		10	w gr			
58	59	lgr	Siltstone, fresh	Damp - Big	Tr py		25	w gr			
59	60	lgr	Siltstone & Sandstone, fg, fresh	Damp - Big			20	w gr			

4693100

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574551m	**Hole No**	RC99MT045
ate Commenced	11.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406745m	**Azimuth**	270 AMG
ate Completed	12.6.99	**Hole Depth**	67m	**RL**	309.2m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description		Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	Damp - Big			5	w	60	62	106007
61	62	lgr	Siltstone, fresh	Wet			1	w	62	64	106008
62	63	lgr	Siltstone, fresh	Wet			0.5	w	64	67	106009
63	64	lgr	Siltstone, fresh	Wet			0.5	w			
64	65	lgr	Siltstone, fresh	Wet			0				
65	66	lgr	Siltstone, fresh	Wet			0				
66	67	lgr	Siltstone, fresh	Wet			0				
			EOH at 67m - Precollar drilled twice because first								
			attempt abandoned at 9m after casing pulled apart.								
			Smell of H2S gas in top reef at 20-23m.								
			Lots of water in top reef but samples mostly dry.								

4983101

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574590m	**Hole No**	RC99MT046
ate Commenced	13.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406745m	**Azimuth**	270 AMG
ate Completed	14.6.99	**Hole Depth**	103m	**RL**	307.2m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Clay, Tailings & tranported overburden			10	w fe	0	2	106010
1	2	br	Clay			0		2	4	106011
2	3	br	Clay & Siltstone, weathered			10	fe	4	6	106012
3	4	br	Clay & Siltstone, weathered			5	w fe	6	8	106013
4	5	br	Siltstone, weathered & Clay - Lag Surface			5	w fe	8	10	106014
5	6	br	Siltstone, weathered & Clay - Lag Surface - Wet			5	w fe	10	12	106015
6	7	br	Siltstone, weathered & ferruginous			0		12	14	106016
7	8	br	Siltstone, weathered & ferruginous			0		14	16	106017
8	9	ybr	Siltstone, weathered			0		16	18	106018
9	10	br	Siltstone, weathered			0		18	20	106019
10	11	br	Siltstone, weathered			0		20	22	106020
11	12	br	Siltstone, weathered			1	fe	22	24	106021
12	13	br	Siltstone, weathered			0		24	26	106022
13	14	br	Siltstone, weathered			0		26	28	106023
14	15	ybr	Siltstone, weathered			0		28	30	106024
15	16	ybr	Siltstone, weathered			0				
16	17	br	Siltstone, weathered			2	w fe			
17	18	ybr	Siltstone, weathered			0				
18	19	ybr	Siltstone, weathered			0				
19	20	ybr	Siltstone, weathered			10	w fe			
20	21	ybr	Siltstone, weathered			0				
21	22	ybr	Siltstone, weathered			0				
22	23	ybr	Siltstone, weathered			0				
23	24	ybr	Siltstone, weathered			0				
24	25	ybr	Siltstone, weathered			0				
25	26	ybr	Siltstone, weathered			0.5	w fe			
26	27	ybr	Siltstone, weathered			5	w			
27	28	ygr	Siltstone, partly weathered			0				
28	29	ygr	Siltstone, partly weathered			1	w			
29	30	lgr	Siltstone, partly weathered			0				

4981062

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574590m	**Hole No**	RC99MT046
ate Commenced	13.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406745m	**Azimuth**	270 AMG
ate Completed	14.6.99	**Hole Depth**	103m	**RL**	307.2m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, trace weathering			1	w	30	32	106025
31	32	lgr	Siltstone, trace weathering			0		32	34	106026
32	33	lgr	Siltstone, trace weathering			0		34	36	106027
33	34	lgr	Siltstone, trace weathering	Tr py		0		36	38	106028
34	35	lgr	Siltstone, trace weathering			1	w	38	40	106029
35	36	lgr g	Siltstone, fresh	Tr py		0.5	w	40	42	106030
36	37	lgr g	Siltstone, fresh	1% py		0		42	44	106031
37	38	lgr	Siltstone, fresh			1	w	44	46	106032
38	39	lgr g	Sandstone, fg, fresh			0		46	48	106033
39	40	lgr	Siltstone, fresh	1% py		0.5	w	48	50	106034
40	41	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		0.5	w	50	52	106035
41	42	lgr g	Siltstone, fresh			0		52	54	106036
42	43	lgr g	Siltstone, fresh	0.5% py		0		54	56	106037
43	44	lgr	Siltstone, fresh	Tr py		25	w	56	58	106038
44	45	lgr g	Sandstone, fg & Siltstone, fresh			0		58	60	106039
45	46	lgr	Siltstone & Sandstone, fg, fresh			1	w			
46	47	lgr	Sandstone, fg & Siltstone, fresh	Tr py		0				
47	48	lgr	Siltstone, fresh			50	w			
48	49	lgr	Siltstone, fresh			2	w			
49	50	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0				
50	51	lgr	Siltstone, fresh	1% py		0				
51	52	lgr	Sandstone, fg & minor siltstone, fresh	Tr py		5	w			
52	53	lgr	Sandstone, fg, fresh			0				
53	54	lgr	Sandstone, fg & Siltstone, fresh			0				
54	55	lgr	Siltstone & minor sandstone, fg, fresh		Py spotting	0				
55	56	lgr	Siltstone & minor sandstone, fg, fresh			0				
56	57	lgr	Sandstone, fg & Siltstone, fresh	Tr py	Py spotting	0				
57	58	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	0				
58	59	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	0				
59	60	lgr	Siltstone & Sandstone, fg, fresh	Tr py	Py spotting	0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574590m	**Hole No**	RC99MT046
ate Commenced	13.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406745m	**Azimuth**	270 AMG
ate Completed	14.6.99	**Hole Depth**	103m	**RL**	307.2m	**Inclination**	55

Depth		Lithology							Sampling		
rom	To	Colour	Description		Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone & Sandstone, fg, fresh		0.5% py	Py spotting	0		60	62	106040
61	62	lgr	Siltstone & Sandstone, fg, fresh		Tr py	Py spotting	5	w	62	64	106041
62	63	lgr	Siltstone & Sandstone, fg, fresh			Py spotting	2	w	64	66	106042
63	64	lgr	Sandstone, fg & Siltstone, fresh				2	w	66	68	106043
64	65	lgr	Siltstone & Sandstone, fg, fresh			Py spotting	0.5	w	68	70	106044
65	66	lgr	Siltstone & Sandstone, fg, fresh	Small sample	0.5%py	Py spotting	25	w	70	72	106045
66	67	lgr	Siltstone & Sandstone, fg, fresh	Small wet sample	Tr py	Py spotting	2	w	72	73	106046
67	68	lgr	Sandstone, fg & Siltstone, fresh				2	w	73	74	106047
68	69	lgr	Siltstone & minor sandstone, fg, fresh		1% py	Py spotting	0		74	75	106048
69	70	lgr	Siltstone & minor sandstone, fg, fresh			Py spotting	2	w	75	76	106049
70	71	lgr	Siltstone, fresh			Py spotting	0		76	77	106050
71	72	lgr	Siltstone, fresh	Damp		Py spotting	0		77	78	106051
72	73	lgr	Siltstone, fresh	Damp	0.5% py	Py spotting	5	w	78	79	106052
73	74	lgr	Siltstone, fresh		1%py/asp	Py spotting	20	w	79	80	106053
74	75	lgr	Siltstone & Sandstone, fg, fresh		Tr py	Py spotting	0		80	81	106054
75	76	lgr	Siltstone, fresh		0.5% py	Py spotting	50	w	81	82	106055
76	77	lgr	Siltstone, fresh		3% cg asp	Py spotting	5	w	82	83	106056
77	78	lgr	Siltstone, fresh	Damp	3% cg asp/py	Py spotting	40	w	83	84	106057
78	79	lgr	Siltstone, fresh	Damp	2% cg asp/py		10	w	84	85	106058
79	80	lgr	Siltstone, fresh	Damp	2% cg asp/py		40	w	85	86	106059
80	81	lgr	Siltstone, fresh		2% cg asp/py		60	w	86	87	106060
81	82	lgr	Siltstone, fresh	Damp	4% cg asp/py	Py spotting, fuchcite	60	w	87	88	106061
82	83	lgr	Siltstone, fresh	Damp	4% cg asp, 1vg	Py spotting	40	w	88	89	106062
83	84	lgr	Siltstone, fresh	Damp	2% cg asp, 1vg	Py spotting	15	w	89	90	106063
84	85	lgr	Siltstone, fresh	Damp	2% cg asp/py, 1vg		10	w			
85	86	lgr	Siltstone, fresh		0.5% cg asp/py		60	w			
86	87	lgr	Siltstone, fresh	Damp	2% cg asp/py		25	w			
87	88	lgr	Siltstone, fresh	Damp	1% cg asp/py	Py spotting	15	w			
88	89	lgr	Siltstone, fresh	Damp	0.5% cg asp/py	Py spotting	5	w			
89	90	lgr	Siltstone, fresh	Damp	Tr py	Py spotting	2	w			

4981104

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574590m	**Hole No**	RC99MT046
)ate Commenced	13.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406745m	**Azimuth**	270 AMG
)ate Completed	14.6.99	**Hole Depth**	103m	**RL**	307.2m	**Inclination**	55

Depth		Lithology							Sampling		
From	To	Colour	Description		Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh	Damp	2% cg asp in seds		40	w	90	91	106064
91	92	lgr	Siltstone, fresh		5% cg asp		90	w	91	92	106065
92	93	lgr	Siltstone, fresh		5% cg asp in seds, 5vg		60	w	92	93	106066
93	94	lgr	Siltstone, fresh	Damp	1% asp/py		15	w gr	93	94	106067
94	95	lgr	Siltstone, fresh	Damp	Tr su		1	w	94	96	106068
95	96	lgr	Siltstone, fresh				0		96	98	106069
96	97	lgr	Siltstone, fresh		0.5 % py		0.5	w	98	100	106070
97	98	lgr	Siltstone, fresh	Big samples			0.5	w	100	103	106071
98	99	lgr	Siltstone, fresh	Big samples			0				
99	100	lgr	Siltstone, fresh	Big samples	Tr py		0				
100	101	lgr	Siltstone, fresh	Damp	Tr py		2	w			
101	102	lgr	Siltstone, fresh	Damp			0				
102	103	lgr	Siltstone, fresh	Damp			0		Surveys		
			Hole completed at 103m						Depth	Azimuth	Inclination
									10	261	56

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	*New Golden Gate*	**Geologist**	DG Jackson	**Easting**	574530m	**Hole No**	RC99MT047
ate Commenced	15.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406725m	**Azimuth**	270 AMG
ate Completed	15.6.99	**Hole Depth**	54m	**RL**	310.5m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1		*Tailings - No Recovery*					4	7	106072
1	2		Tailings - No Recovery					7	9	106073
2	3		Tailings - No Recovery					9	11	106074
3	4		Tailings - No Recovery					11	13	106075
4	5	br	Clay			0		13	15	106076
5	6	br	Clay			0		15	17	106077
6	7	br	Clay			0		17	19	106078
7	8	br	Sandstone, fg, weathered, minor siltstone			5	w fe	19	21	106079
8	9	ybr	Sandstone, fg, weathered			2	w fe	21	23	106080
9	10	ybr	Siltstone & Sandstone, fg, weathered			15	w fe	23	25	106081
10	11	ybr	Siltstone & Sandstone, fg, weathered			1	w fe	25	26	106082
11	12	ybr & gr	Siltstone, weathered & minor fg sandstone			20	fe w	26	28	106083
12	13	lgr	Siltstone & Sandstone, fg, trace weathering			10	w fe	28	30	106084
13	14	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		0				
14	15	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0				
15	16	lgr	Siltstone & Sandstone, fg, fresh Contam	Tr py		1	w			
16	17	lgr	Siltstone & Sandstone, fg, fresh Tr contam	Tr py		0				
17	18	lgr	Siltstone & Sandstone, fg, fresh *Tr contam*			0				
18	19	lgr	Siltstone & Sandstone, fg, fresh			0				
19	20	lgr	Siltstone & Sandstone, fg, fresh Tr contam	Tr py	Minor py spotting	0				
20	21	lgr	Siltstone & Sandstone, fg, fresh Tr contam			0				
21	22	lgr	Siltstone & Sandstone, fg, fresh			0				
22	23	lgr	Siltstone & Sandstone, fg, fresh *Contam*			0				
23	24	lgr	Siltstone & Sandstone, fg, fresh Tr contam			0				
24	25	lgr	Siltstone & Sandstone, fg, fresh Tr contam		Minor py spotting	0				
25	26	lgr	Siltstone & Sandstone, fg, fresh			50	gr w			
26	27	lgr	Siltstone & Sandstone, fg, fresh	1% py		1	w			
27	28	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		1	gr w			
28	29	l&dgr	Siltstone & Sandstone, fg, fresh			0.5	w			
29	30	l&dgr	Siltstone & Sandstone, fg, fresh			5	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574530m	**Hole No**	RC99MT047
ate Commenced	15.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406725m	***Azimuth***	270 AMG
ate Completed	15.6.99	**Hole Depth**	54m	**RL**	310.5m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh			0		30	31	106085
31	32	lgr	Siltstone, fresh	2% asp/py 9 vg		50	w gr	31	32	106086
32	33	lgr	Siltstone, fresh	1% asp		50	w gr	32	33	106087
33	34	lgr	Siltstone, fresh	2% asp/py 1 vg		70	w gr	33	34	106088
34	35	lgr	Siltstone, fresh	1% asp/py 2 vg		60	w gr	34	35	106089
35	36	lgr	Siltstone, fresh	0.5% asp/py		30	w	35	36	106090
36	37	lgr	Siltstone, fresh	1% py/asp		20	w	365	37	106091
37	38	lgr	Siltstone, fresh	1% py/asp		15	w	37	38	106092
38	39	lgr	Siltstone, fresh	1% py		1	w gr	38	39	106093
39	40	lgr	Siltstone, fresh	2% py		20	w gr	39	40	106094
40	41	lgr	Siltstone, fresh	0.5% py/asp		0.5	w gr	40	41	106095
41	42	lgr	Siltstone, fresh	Tr py		0		41	43	106096
42	43	lgr	Siltstone, fresh	Tr py		0.5	w	43	45	106097
43	44	lgr	Siltstone, fresh	Tr py		0		45	47	106098
44	45	lgr	Sandstone, fg & Siltstone, fresh	Tr py		2	w	47	49	106099
45	46	lgr	Sandstone, fg, fresh			0		49	51	106100
46	47	lgr	Siltstone, fresh & minor fg sandstone			0		51	54	106101
47	48	lgr	Siltstone, fresh			0				
48	49	lgr	Siltstone, fresh			0				
49	50	lgr	Siltstone, fresh			0				
50	51	lgr	Siltstone, fresh			0				
51	52	lgr	Siltstone, fresh & minor fg sandstone			0				
52	53	lgr	Siltstone, fresh			20	w			
53	54	lgr	Siltstone, fresh			0				
			EOH at 54m							

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574550m	**Hole No**	RC99MT048
)ate Commenced	15.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406725m	**Azimuth**	270 AMG
ate Completed	16.6.99	**Hole Depth**	85m	**RL**	310.6m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1		Tailings - No Recovery					6	8	106102
1	2		Tailings - No Recovery					8	10	106103
2	3		Tailings - No Recovery					10	13	106104
3	4		Tailings - No Recovery					13	14	106105
4	5		Tailings - No Recovery					14	16	106106
5	6		Tailings - No Recovery					16	17	106107
6	7	br	Sandstone, weathered & Clay			5	fe	17	18	106108
7	8	br	Clay & minor weathered siltstone			5	fe w	18	19	106109
8	9	br	Siltstone & Sandstone, fg, weathered			15	fe w	19	21	106110
9	10	br	Siltstone & Sandstone, fg, weathered			50	fe w	21	23	106111
10	11	ybr	Siltstone, weathered			1	w fe	23	25	106112
11	12	ybr&gr	Siltstone, partly weathered			0		25	26	106113
12	13	ybr&gr	Siltstone, partly weathered			0		26	27	106114
13	14	br	Siltstone, partly weathered Wet			40	w fe	27	28	106115
14	15	grbr	Siltstone, partly weathered			10	w fe	28	30	106116
15	16	lgr	Siltstone, partly weathered			10	w fe			
16	17	l&dgr	Siltstone, fresh			1	w			
17	18	l&dgr	Siltstone, fresh			40	w			
18	19	lgr	Siltstone, fresh			70	w			
19	20	lgr	Siltstone, fresh			10	w			
20	21	lgr	Siltstone, fresh			2	w			
21	22	lgr	Siltstone, fresh			1	w			
22	23	lgr	Siltstone, fresh Contaminated			1	w			
23	24	lgr	Siltstone& minor sandstone, fresh			0				
24	25	lgr	Siltstone, fresh			1	w			
25	26	l&dgr	Siltstone & Sandstone, fg, fresh	2% py		50	w gr			
26	27	lgr	Siltstone, fresh			2	w			
27	28	lgr	Siltstone, fresh			30	w			
28	29	lgr	Siltstone & Sandstone, fg, fresh			1	w			
29	30	lgr	Siltstone & Sandstone, fg, fresh			20	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574550m	**Hole No**	RC99MT048
ate Commenced	15.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406725m	**Azimuth**	270 AMG
ate Completed	16.6.99	**Hole Depth**	85m	**RL**	310.6m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone & Sandstone, fg, fresh			1	w	30	32	106117
31	32	lgr	Siltstone & Sandstone, fg, fresh			0		32	34	106118
32	33	lgr	Siltstone & Sandstone, fg, fresh			0		34	36	106119
33	34	lgr	Sandstone, fg, fresh minor siltstone			3	w	36	38	106120
34	35	lgr	Siltstone, fresh			0		38	40	106121
35	36	lgr	Sandstone, fg & Siltstone, fresh			0		40	42	106122
36	37	lgr	Sandstone, fg & Siltstone, fresh			0		42	45	106123
37	38	lgr	Sandstone, fg & Siltstone, fresh			0		45	47	106124
38	39	lgr	Sandstone, fg & Siltstone, fresh			0		47	48	106125
39	40	lgr	Siltstone, fresh		Py spotting	0		48	49	106126
40	41	lgr	Siltstone, fresh			0		49	51	106127
41	42	lgr	Siltstone & Sandstone, fg, fresh			0		51	53	106128
42	43	lgr	Siltstone & Sandstone, fg, fresh			0		53	55	106129
43	44	lgr	Siltstone & Sandstone, fg, fresh			0		55	57	106130
44	45	lgr	Siltstone & Sandstone, fg, fresh			0		57	58	106131
45	46	lgr	Siltstone & Sandstone, fg, fresh	Tr py		2	w	58	59	106132
46	47	lgr	Siltstone & Sandstone, fg, fresh			0		59	60	106133
47	48	lgr	Siltstone & Sandstone, fg, fresh	1% py		25	w			
48	49	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		10	w			
49	50	lgr	Siltstone & Sandstone, fg, fresh			0				
50	51	lgr	Siltstone & Sandstone, fg, fresh			0				
51	52	lgr	Siltstone & Sandstone, fg, fresh			0				
52	53	lgr	Siltstone & Sandstone, fg, fresh			0				
53	54	lgr	Siltstone & Sandstone, fg, fresh	Tr su		5	w gr			
54	55	l&dgr	Sandstone, fg & Siltstone, fresh			20	w gr			
55	56	lgr	Siltstone & Sandstone, fg, fresh			2	w			
56	57	dgr	Sandstone, fg, fresh, minor siltstone			10	w			
57	58	dgr	Sandstone, fg & Siltstone, fresh			50	w			
58	59	l&dgr	Sandstone, fg & Siltstone, fresh	1% py		25	w gr			
59	60	grbr	Siltstone, fresh	0.5% py		30	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	*DG Jackson*	**Easting**	574550m	**Hole No**	RC99MT048
ate Commenced	15.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406725m	**Azimuth**	270 AMG
ate Completed	16.6.99	**Hole Depth**	85m	**RL**	310.6m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	0.5% py/asp		30	w	60	61	106134
61	62	lgr	Siltstone, fresh	Tr su		50	w	61	62	106135
62	63	l&dgr	Siltstone & Sandstone, fg, fresh	1% py		50	w	62	63	106136
63	64	dgr	Siltstone, fresh	2% py		15	w	63	64	106137
64	65	dgr	Siltstone, fresh	3% py		50	w gr	64	65	106138
65	66	l&dgr	Siltstone, fresh	5% py		50	gr w	65	66	106139
66	67	lgr	Sandstone, fg & Siltstone, fresh	3% py		50	w	66	67	106140
67	68	lgr	Sandstone, fg & Siltstone, fresh	Tr py		10	w	67	69	106141
68	69	lgr	Siltstone & Sandstone, fg, fresh	Tr py		20	w	69	71	106142
69	70	lgr	Siltstone, fresh	Tr py		1	w	71	73	106143
70	71	lgr	Siltstone, fresh			0.5	w	73	75	106144
71	72	lgr	Siltstone, fresh			0		75	77	106145
72	73	lgr	Sandstone, fg & Siltstone, fresh	Tr py		5	w	77	79	106146
73	74	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		50	w	79	81	106147
74	75	lgr	Sandstone, fg & Siltstone, fresh			2	w	81	83	106148
75	76	lgr	Sandstone, fg & Siltstone, fresh			2	w	83	85	106149
76	77	lgr	Sandstone, fg & Siltstone, fresh	Tr py		30	w			
77	78	dgr	Siltstone, fresh			0.5	w			
78	79	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		5	w gr			
79	80	lgr	Siltstone, fresh			1	w			
80	81	lgr	Siltstone, fresh , minor sandstone			0				
81	82	lgr	Siltstone, fresh , minor sandstone			0				
82	83	gr	Siltstone, fresh			0				
83	84	lgr	Siltstone & Sandstone, fg, fresh			0.5	w			
84	85	lgr	Siltstone & Sandstone, fg, fresh			0				
			EOH at 85m							

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574570m	**Hole No**	RC99MT049
Date Commenced	16.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406725m	**Azimuth**	270 AMG
Date Completed	17.6.99	**Hole Depth**	109m	**RL**	309m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1		No Recovery					2	5	106150
1	2		No Recovery					5	7	106151
2	3	br	Clay			0		7	9	106152
3	4	br	Clay			0		9	11	106153
4	5	br	Clay, v small sample			10	fe w	11	13	106154
5	6	br	Sandstone, fg & Siltstone, ferruginous & weathered			20	fe w	13	15	106155
6	7	br	Sandstone, fg, Siltstone, ferruginous, weathered & Clay			50	fe w	15	17	106156
7	8	br	Sandstone, fg, weathered & minor silt 70			20	w fe	17	19	106157
8	9	br	Siltstone, weathered & minor sandstone			0		19	21	106158
9	10	br	Siltstone, weathered Cement contaminated			0		21	23	106159
10	11	ybr	Siltstone, weathered Cement contaminated			0		23	25	106160
11	12	ybr	Siltstone, weathered Cement contaminated			0		25	27	106161
12	13	ybr	Siltstone, weathered Cement contaminated			0		27	28	106162
13	14	lgr	Siltstone, tr weathering			0		28	29	106163
14	15	lgr	Siltstone & Sandstone, fg, tr weathering			0		29	30	106164
15	16	lgr	Siltstone & Sandstone, fg, tr weathering			0				
16	17	lgr	Siltstone & Sandstone, fg, fresh			0				
17	18	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		0				
18	19	lgr&g	Siltstone & Sandstone, fg, fresh			0				
19	20	dgr&g	Siltstone, fresh			0				
20	21	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		0				
21	22	lgr	Siltstone & Sandstone, fg, fresh			0				
22	23	lgr	Siltstone & Sandstone, fg, fresh			0				
23	24	lgr	Sandstone, fg, fresh			0				
24	25	lgr	Sandstone, fg, fresh			0				
25	26	lgr	Siltstone & Sandstone, fg, fresh			0				
26	27	lgr	Sandstone, fg & Siltstone, fresh		Py spotting	0				
27	28	lgr	Sandstone, fg & Siltstone, fresh	Tr py		20	w			
28	29	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		50	w			
29	30	lgr	Siltstone & Sandstone, fg, fresh			30	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574570m	**Hole No**	RC99MT049
ate Commenced	16.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406725m	**Azimuth**	270 AMG
ate Completed	17.6.99	**Hole Depth**	109m	**RL**	309m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	0.5	w	30	31	106165
31	32	lgr	Siltstone & Sandstone, fg, fresh	Tr py in seds		60	w	31	32	106166
32	33	lgr	Siltstone & Sandstone, fg, fresh	Tr py in seds		60	w	32	33	106167
33	34	lgr	Siltstone & Sandstone, fg, fresh			5	w	33	35	106168
34	35	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	1	w	35	37	106169
35	36	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	2	w	37	39	106170
36	37	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	1	w	39	41	106171
37	38	lgr	Siltstone & Sandstone, fg, fresh			25	w	41	43	106172
38	39	lgr	Siltstone & Sandstone, fg, fresh	0.5% py	Py spotting	20	w	43	45	106173
39	40	lgr	Sandstone, fg & Siltstone, fresh	Tr py	Py spotting	0		45	47	106174
40	41	lgr	Siltstone & Sandstone, fg, fresh			2	w	47	49	106175
41	42	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		0.5	w	49	51	106176
42	43	lgr	Sandstone, fg & Siltstone, fresh			0		51	53	106177
43	44	lgr	Siltstone & Sandstone, fg, fresh			0		53	55	106178
44	45	lgr	Siltstone & Sandstone, fg, fresh			0		55	57	106179
45	46	lgr	Siltstone & Sandstone, fg, fresh			0		57	59	106180
46	47	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	59	61	106181
47	48	lgr	Sandstone, fg & Siltstone, fresh			1	w			
48	49	lgr	Siltstone & Sandstone, fg, fresh	0.5% py	Py spotting	0				
49	50	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0				
50	51	lgr	Siltstone & Sandstone, fg, fresh			0				
51	52	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0				
52	53	lgr	Siltstone & Sandstone, fg, fresh			0				
53	54	lgr	Sandstone, fg & Siltstone, fresh			1	w			
54	55	lgr	Sandstone, fg & Siltstone, fresh	Tr py		1	w			
55	56	lgr	Siltstone & Sandstone, fg, fresh			0				
56	57	lgr	Sandstone, fg & Siltstone, fresh			2	w			
57	58	lgr	Sandstone, fg & Siltstone, fresh	Tr su		10	w			
58	59	lgr	Siltstone & Sandstone, fg, fresh			0				
59	60	lgr	Siltstone & Sandstone, fg, fresh			0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574570m	**Hole No**	RC99MT049
ate Commenced	16.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406725m	**Azimuth**	270 AMG
ate Completed	17.6.99	**Hole Depth**	109m	**RL**	309m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		0		61	63	106182
61	62	lgr	Sandstone, fg & Siltstone, fresh			0		63	64	106183
62	63	lgr	Sandstone, fg & Siltstone, fresh	Tr py		1	w	64	65	106184
63	64	lgr	Sandstone, fg & Siltstone, fresh	3% fg py/asp 1 vg		70	w gr	65	67	106185
64	65	lgr	Sandstone, fg & Siltstone, fresh	3% fg py/asp	laminated	80	w gr	67	69	106186
65	66	lgr	Siltstone & Sandstone, fg, fresh	Tr su		1	w gr	69	70	106187
66	67	lgr	Siltstone & Sandstone, fg, fresh	Tr su		0		70	71	106188
67	68	lgr	Siltstone & Sandstone, fg, fresh	0.5% py	Py spotting	0		71	72	106189
68	69	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0		72	73	106190
69	70	lgr	Sandstone, fg & Siltstone, fresh	0.5% py/asp?		10	w gr	73	74	106191
70	71	lgr	Sandstone, fg & Siltstone, fresh	1% py		5	w	74	75	106192
71	72	lgr	Sandstone, fg & Siltstone, fresh	3% py/cg asp		20	w gr	75	76	106193
72	73	lgr	Sandstone, fg & Siltstone, fresh	2% py/cg asp 5vg (tiny)		50	w gr	76	77	106194
73	74	lgr	Siltstone & Sandstone, fg, fresh	1% py/cg asp		5	w	77	78	106195
74	75	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		3	w	78	80	106196
75	76	lgr	Siltstone & Sandstone, fg, fresh			50	w	80	81	106197
76	77	lgr	Siltstone & Sandstone, fg, fresh	0.5% cg asp		60	w	81	82	106198
77	78	lgr	Siltstone & Sandstone, fg, fresh	0.5% py/cg asp		5	w	82	83	106199
78	79	lgr	Siltstone & Sandstone, fg, fresh	Tr su		15	w	83	84	106200
79	80	lgr	Sandstone, fg, fresh			5	w	84	85	106201
80	81	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		40	w	85	86	106202
81	82	lgr	Siltstone & Sandstone, fg, fresh	2% cg asp 3vg (tiny)		25	w	86	87	106203
82	83	lgr	Siltstone & Sandstone, fg, fresh	2% cg asp		30	w	87	88	106204
83	84	l&dgr	Siltstone & Sandstone, fg, fresh	0.5% py		10	w	88	89	106205
84	85	l&dgr	Siltstone & Sandstone, fg, fresh	1% py/asp		20	w gr	89	91	106206
85	86	l&dgr	Sandstone, fg & Siltstone, fresh	0.5% py		20	gr w			
86	87	lgr	Siltstone, fresh	0.5% py		20	w			
87	88	lgr	Siltstone & Sandstone, fg, fresh	2% py/asp		40	w			
88	89	dgr	Siltstone, fresh	5% py		98	w gr			
89	90	dgr	Siltstone, fresh	0.5% py		3	gr w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574570m	**Hole No**	RC99MT049
ate Commenced	16.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406725m	**Azimuth**	270 AMG
ate Completed	17.6.99	**Hole Depth**	109m	**RL**	309m	***Inclination***	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	dgr	Siltstone, fresh	1% py		1	w	91	92	106207
91	92	dgr	Siltstone, fresh	1% py		30	w	92	93	106208
92	93	dgr	Siltstone, fresh	1% py		20	gr w	93	95	106209
93	94	dgr	Siltstone, fresh			0	gr w	95	97	106210
94	95	dgr	Siltstone, fresh	0.5% py		0		97	99	106211
95	96	lgr	Siltstone, fresh	0.5% py		5		99	101	106212
96	97	gr	Siltstone, fresh	Tr py		0	w	101	103	106213
97	98	gr	Siltstone, fresh	Tr py		1	w	103	105	106214
98	99	gr	Siltstone, fresh			0		105	107	106215
99	100	gr	Siltstone, fresh			0		107	109	106216
100	101	dgr	Siltstone, fresh			0				
101	102	dgr	Siltstone, fresh			0				
102	103	dgr	Siltstone, fresh			0				
103	104	dgr	Siltstone, fresh			0				
104	105	dgr	Siltstone, fresh			0				
105	106	dgr	Siltstone, fresh	Tr py		0		Surveys		
106	107	dgr	Siltstone, fresh			2	w			
107	108	dgr	Siltstone, fresh			1	w	Depth	Azimuth	Inclination
108	109	dgr	Siltstone, fresh			1	w			
								30	261	53.5
			EOH at 109m					60	258	47
								90	264	45

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574584m	**Hole No**	RC99MT050
Date Commenced	17.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406725m	**Azimuth**	270AMG
Date Completed	18.6.99	**Hole Depth**	127m	**RL**	308.4m	**Inclination**	57

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1		Tailings - No Recovery					2	5	106217
1	2		Tailings - No Recovery					5	7	106218
2	3	ybr	Clay			0		7	9	106219
3	4	ybr	Clay, minor weathered siltstone			10	fe w	9	11	106220
4	5	ybr	Clay, minor weathered siltstone			10	fe w	11	13	106221
5	6	ybr	Clay, Siltstone & Sandstone, weath. Lag round pebbles			0		13	14	106222
6	7	ybr	Clay			1	w fe	14	16	106223
7	8	ybr	Siltstone, weathered			1	w fe	16	18	106224
8	9	ybr	Siltstone, weathered			0		18	20	106225
9	10	ybr	Siltstone, weathered Cement contamination			3	w fe	20	22	106226
10	11	ybr	Siltstone, weathered Cement contamination			0		22	24	106227
11	12	ybr	Siltstone, weathered Cement contamination			0		24	26	106228
12	13	ybr	Siltstone, weathered Cement contamination			0		26	28	106229
13	14	ybr	Siltstone, weathered Cement contamination			70	w fe	28	30	106230
14	15	ybr	Siltstone, weathered			1	w fe			
15	16	ybr	Siltstone, weathered			0				
16	17	ybr	Siltstone, weathered			5	w fe			
17	18	ybr	Siltstone, weathered			0				
18	19	ybr	Siltstone, weathered			0				
19	20	ybr	Siltstone, weathered			2	w fe			
20	21	ybr	Siltstone, weathered			0				
21	22	ybr&gr	Siltstone, weathered			0				
22	23	lgr	Sandstone, fg & Siltstone, tr weathering			0				
23	24	lgr	Siltstone, minor sandstone, tr weathering			0				
24	25	lgr	Siltstone, tr weathering			0				
25	26	lgr	Siltstone, tr weathering			3	w			
26	27	lgr	Siltstone, fresh			0				
27	28	dgr	Siltstone, fresh			1	w			
28	29	dgr	Siltstone, fresh			0				
29	30	lgr	Siltstone & Sandstone, fg, fresh			2	w			

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574584m	**Hole No**	RC99MT050
Date Commenced	17.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406725m	**Azimuth**	270AMG
Date Completed	18.6.99	**Hole Depth**	127m	**RL**	308.4m	**Inclination**	57

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone & Sandstone, fg, fresh			0		30	32	106231
31	32	lgr	Siltstone & Sandstone, fg, fresh			0		32	34	106232
32	33	lgr	Siltstone, fresh			1	w	34	36	106233
33	34	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0		36	38	106234
34	35	lgr	Siltstone & Sandstone, fg, fresh			0		38	40	106235
35	36	lgr	Siltstone, fresh			0		40	42	106236
36	37	lgr	Siltstone, fresh			0		42	44	106237
37	38	lgr	Siltstone, fresh			0		44	46	106238
38	39	lgr	Siltstone, fresh		Py spotting	0		46	47	106239
39	40	lgr	Sandstone,fg, fresh, minor siltstone	2% py	Py spotting	1	w	47	48	106240
40	41	lgr	Sandstone,fg, fresh, minor siltstone	0.5% py		0.5	w	48	49	106241
41	42	lgr	Siltstone & Sandstone, fg, fresh	0.5% py	Py spotting	3	w	49	50	106242
42	43	lgr	Siltstone, fresh		Py spotting	0		50	52	106243
43	44	lgr	Sandstone, fg & Siltstone, fresh			0		52	54	106244
44	45	lgr	Sandstone, fg & Siltstone, fresh			0		54	56	106245
45	46	lgr	Siltstone, fresh			2	w	56	58	106246
46	47	lgr	Siltstone, fresh	0.5% py		3	w	58	60	106247
47	48	lgr	Siltstone, fresh Aquifer - All samples after here	1% cg asp		95	w gr			
48	49	lgr	Siltstone, fresh damp to some degree	1% cg asp		95	w gr			
49	50	lgr	Siltstone, fresh	0.5% py		5	w			
50	51	lgr	Siltstone, fresh			2	w			
51	52	lgr	Siltstone, fresh			10	w			
52	53	lgr	Siltstone, fresh	Tr py		1	w			
53	54	lgr	Siltstone, fresh			0.5	w			
54	55	lgr	Siltstone, fresh			2	w			
55	56	lgr	Siltstone, fresh			0				
56	57	lgr	Siltstone, fresh			3	w			
57	58	lgr	Siltstone, fresh			3	w			
58	59	lgr	Siltstone, fresh			0				
59	60	lgr	Siltstone & Sandstone, fg, fresh	Tr su		30	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574584m	**Hole No**	RC99MT050
Date Commenced	17.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406725m	**Azimuth**	270AMG
Date Completed	18.6.99	**Hole Depth**	127m	**RL**	308.4m	**Inclination**	57

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh			10	w	60	62	106248
61	62	lgr	Siltstone, fresh			2	w	62	64	106249
62	63	lgr	Siltstone, fresh	Tr py		3	ww	64	66	106250
63	64	lgr	Siltstone, fresh			0.5	w	66	69	106251
64	65	lgr	Siltstone, fresh			0		68	70	106252
65	66	lgr	Siltstone, fresh	Tr py		3	w	70	72	106253
66	67	lgr	Siltstone & Sandstone, fg, fresh	Tr py		15	w	72	74	106254
67	68	lgr	Siltstone & Sandstone, fg, fresh			20	w	74	76	106255
68	69	lgr	Siltstone & Sandstone, fg, fresh			1	w	76	78	106256
69	70	lgr	Siltstone & Sandstone, fg, fresh	Tr py		3	w	78	80	106257
70	71	lgr	Siltstone & Sandstone, fg, fresh			3	w	80	82	106258
71	72	lgr	Siltstone & Sandstone, fg, fresh	1% py		5	w gr	82	84	106259
72	73	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		3	w	84	86	106260
73	74	lgr	Siltstone, fresh			0		86	88	106261
74	75	lgr	Siltstone, fresh	Tr su		5	w	88	90	106262
75	76	lgr	Siltstone, fresh			0				
76	77	lgr	Siltstone, fresh			0.5	w			
77	78	lgr	Siltstone, fresh			0				
78	79	lgr	Siltstone, fresh			0				
79	80	lgr	Siltstone, fresh Wet	1% py		5	w			
80	81	lgr	Siltstone & Sandstone, fg, fresh Wet			0				
81	82	lgr	Siltstone & minor sandstone, fg, fresh			0.5	w			
82	83	lgr	Siltstone, fresh			0.5	w			
83	84	lgr	Siltstone, fresh			0				
84	85	lgr	Siltstone & Sandstone, fg, fresh			0				
85	86	lgr	Siltstone & Sandstone, fg, fresh			0				
86	87	lgr	Siltstone & Sandstone, fg, fresh			0				
87	88	lgr	Sandstone, fg & Siltstone, fresh			0				
88	89	lgr	Sandstone, fg & Siltstone, fresh			0				
89	90	lgr	Sandstone, fg & Siltstone, fresh			0				

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574584m	**Hole No**	RC99MT050
Date Commenced	17.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406725m	**Azimuth**	270AMG
Date Completed	18.6.99	**Hole Depth**	127m	**RL**	308.4m	**Inclination**	57

Depth		Lithology							Sampling		
From	To	Colour	Description		Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Sandstone, fg & Siltstone, fresh				0		90	92	106263
91	92	lgr	Sandstone, fg & Siltstone, fresh				0		92	94	106264
92	93	lgr	Sandstone, fg & Siltstone, fresh				0		94	96	106265
93	94	lgr	Sandstone, fg & Siltstone, fresh				0.5	w	96	98	106266
94	95	lgr	Siltstone & Sandstone, fg, fresh		Tr py		0		98	100	106267
95	96	lgr	Siltstone, fresh				1	w	100	102	106268
96	97	lgr	Siltstone, fresh	Wet			3	w	102	104	106269
97	98	lgr	Siltstone, fresh	Wet	Tr py		1	w	104	105	106270
98	99	lgr	Siltstone & minor sandstone, fg, fresh	Wet			0		105	106	106271
99	100	lgr	Siltstone & minor sandstone, fg, fresh	Wet			0		106	107	106272
100	101	lgr	Siltstone, fresh	Wet	0.5% py		1	w	107	108	106273
101	102	lgr	Siltstone, fresh	Damp	0.5% py		0.5	w	108	109	106274
102	103	lgr	Siltstone, fresh	Damp			0		109	110	106275
103	104	l&dgr	Siltstone, fresh	Wet	Tr py		0		110	111	106276
104	105	l&dgr	Siltstone, fresh	Wet	1% py		0.5	w	111	112	106277
105	106	lgr	Siltstone, fresh	Wet	0.5% py/asp		20	w	112	113	106278
106	107	lgr	Siltstone, fresh	Damp	0.5% py		3	w	113	114	106279
107	108	lgr	Siltstone, fresh	Damp	0.5% py		15	w	114	116	106280
108	109	l&dgr	Siltstone, fresh	Damp	2% py		20	w	116	118	106281
109	110	lgr	Siltstone, fresh	Wet	2% py/asp		50	w	118	120	106282
110	111	lgr	Siltstone, fresh	Wet	1% py/asp 3 vg		80	w			
111	112	lgr	Siltstone, fresh	Wet	3% py/asp		70	w			
112	113	dgr	Siltstone, fresh	Wet	1% py		30	w gr			
113	114	dgr	Siltstone, fresh	Wet	1% py		2	w			
114	115	dgr	Siltstone, fresh	Wet	Tr py		1	w			
115	116	dgr	Siltstone, fresh	Wet	1% py		3	w			
116	117	dgr	Siltstone, fresh	Wet	2% py		10	w			
117	118	dgr	Siltstone, fresh	Wet	0.5% py		5	w			
118	119	dgr	Siltstone, fresh	Wet	1% py		25	w			
119	120	bl	Shale,pyritic with minor graphite	Wet	2% py		20	w			

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574584m	**Hole No**	RC99MT050
Date Commenced	17.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406725m	**Azimuth**	270AMG
Date Completed	18.6.99	**Hole Depth**	127m	**RL**	308.4m	**Inclination**	57

Depth		Lithology						Sampling		
From	To	Colour	Description		Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
120	121	bl	Shale,pyritic with minor graphite	Wet	2% py		2	w	120	122	106283
121	122	bl	Shale,pyritic with minor graphite	Wet	1% py		2	w	122	124	106284
122	123	bl	Shale,pyritic with minor graphite	Wet	2% py		15	w	124	126	106285
123	124	bl	Shale,pyritic with minor graphite	Wet	2% py		20	w	126	127	106286
124	125	bl	Shale,pyritic with minor graphite	Wet	1% py		15	w			
125	126	bl	Shale,pyritic with minor graphite	Wet	2% py		15	w			
126	127	lgr&bl	Siltstone & Shale, pyritic, fresh	Wet	1% py		10	w			
			EOH at 127m						Surveys		
									Depth	Azimuth	Inclination
									10	260.5	58

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574530m	**Hole No**	RC99MT051
ate Commenced	19.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406765m	**Azimuth**	270 AMG
ate Completed	19.6.99	**Hole Depth**	43m	**RL**	309.3m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1		No Recovery					3	5	106287
1	2	rbr	Tailings & Timber			0		5	8	106288
2	3	rbr	Tailings & Timber			0		8	10	106289
3	4	rbr	Tailings & Timber			0		10	12	106290
4	5	rbr	Tailings			0		12	14	106291
5	6	br	Tailings & Clay			0		14	15	106292
6	7	br	Clay			0		15	16	106293
7	8	br	Clay &minor weathered siltstone			0		16	17	106294
8	9	br	Siltstone, weathered & Clay			10	w fe	17	18	106295
9	10	br	Siltstone & Sandstone, weathered			1	w fe	18	19	106296
10	11	ybr	Sandstone & Siltstone, weathered			0		19	20	106297
11	12	ybr	Sandstone & Siltstone, weathered			0.5	w fe	20	21	106298
12	13	lgr&br	Sandstone & Siltstone, part weathered			1	w	21	22	106299
13	14	lgr	Siltstone, tr weathering	0.5% py		2	gr w	22	23	106300
14	15	lgr	Siltstone, tr weathering	2% py		95	gr w	23	24	106501
15	16	lgr	Siltstone, tr weathering	3% cg asp/py		80	w gr	24	25	106502
16	17	lgr	Siltstone & Sandstone, fresh	3% asp/py		70	gr w	25	26	106503
17	18	lgr	Siltstone, fresh	3% asp/py		60	gr w	26	28	106504
18	19	lgr	Siltstone, fresh	0.5% py		0		28	30	106505
19	20	lgr	Siltstone, fresh	1% py		5	gr w			
20	21	lgr	Siltstone, fresh	2% py 1vg?		90	w gr			
21	22	lgr	Siltstone, fresh	3% py		70	w gr			
22	23	lgr	Siltstone, fresh	2% py/cg asp		70	w gr			
23	24	lgr	Siltstone, fresh	2% py	fuchite	50	w gr			
24	25	lgr	Siltstone, fresh	3% py 1 vg	fuchite	60	w gr			
25	26	lgr	Siltstone, fresh	1% py/cg asp		25	w gr			
26	27	lgr	Siltstone, fresh	Tr py	Py spotting	1	w			
27	28	lgr	Siltstone & Sandstone, fresh	0.5% py		10	w			
28	29	dgr	Siltstone, fresh	Tr py	Py spotting	0.5	w			
29	30	l&dgr	Siltstone & Sandstone, fresh		Py spotting	1	w			

4981120

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574530m	**Hole No**	RC99MT051
ıte Commenced	19.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406765m	**Azimuth**	270 AMG
ıte Completed	19.6.99	**Hole Depth**	43m	**RL**	309.3m	**Inclination**	55

Depth		Lithology						Sampling		
om	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	l&dgr	Siltstone & Sandstone, fresh			2	w	30	32	106506
31	32	l&dgr	Sandstone & Siltstone, fresh			1	w	32	34	106507
32	33	lgr	Sandstone, fg, fresh			3	w	34	36	106508
33	34	lgr	Siltstone & Sandstone, fresh			0		36	38	106509
34	35	lgr	Sandstone & Siltstone, fresh			5	w	38	40	106510
35	36	l&dgr	Siltstone, fresh			0		40	43	106511
36	37	l&dgr	Siltstone & Sandstone, fresh			0				
37	38	dgr&g	Siltstone, fresh			0				
38	39	l&dgr&g	Siltstone, fresh	Contaminated		0				
39	40	lgr&g	Siltstone, fresh	Contaminated		0				
40	41	lgr	Siltstone & Sandstone, fresh	Contaminated		0				
41	42	lgr	Siltstone, fresh			0				
42	43	lgr	Siltstone, fresh			1	w			
			EOH at 43m							

4981121

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574469m	**Hole No**	RC99MT052
ate Commenced	19.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406565m	**Azimuth**	270 AMG 50
ate Completed	20.6.99	**Hole Depth**	109m	**RL**	325m	***Inclination***	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	*Mineralisation*	*Alteration*	% Qtz	Desc	From	To	Sample No
0	1		No Recovery - Collapsed Inner Tube					2	4	106512
1	2		No Recovery - Collapsed Inner Tube					4	6	106513
2	3	lbr	Siltstone, weathered			0		6	8	106514
3	4	lbr	Siltstone, weathered			0		8	10	106515
4	5	lbr	Siltstone, weathered			0		10	12	106516
5	6	lbr	Siltstone, weathered			0		12	13	106517
6	7	lbr	Siltstone, weathered			0		13	14	106518
7	8	lbr	Siltstone, weathered			0		14	15	106519
8	9	lbr	Siltstone, weathered, minor sandstone			0		15	16	106520
9	10	lbr	Siltstone, weathered, minor sandstone			2	w fe	16	17	106521
10	11	lbr	Siltstone & Sandstone, fg, weathered			1	w fe	17	18	106522
11	12	lbr	Sandstone, fg & siltstone, weathered			2	w fe	18	19	106523
12	13	lbr	Siltstone & Sandstone, fg, weathered			1	w fe	19	20	106524
13	14	lbr	Siltstone, weathered			5	w fe	20	21	106525
14	15	lbr	Siltstone, weathered, minor sandstone	0.5% asp 1vg in qtz +20vg		10	w fe gr	21	22	106526
15	16	lbr	Siltstone, weathered, minor sandstone	~20 vg		80	fe w	22	23	106527
16	17	lbr	Siltstone, weathered	~40 vg		70	fe w	23	24	106528
17	18	lbr	Siltstone, weathered	0.5% asp 4 vg		90	fe w gr	24	25	106529
18	19	lbr	Siltstone, weathered	14 vg		70	w fe	25	26	106530
19	20	lbr	Siltstone, weathered Wet	0.5% asp/py 1 vg		70	w fe gr	26	27	106531
20	21	lbr	Siltstone, weathered	1% asp/py 2 vg		70	w fe gr	27	28	106532
21	22	grbr	Siltstone, partly weathered	Tr asp 3 vg		30	w fe	28	29	106533
22	23	lbr	Siltstone, partly weathered			1	w fe	29	30	106534
23	24	grbr	Siltstone, partly weathered	0.5% asp/py		30	w fe gr			
24	25	lgr	Siltstone, trace weathering			2	w			
25	26	lgr	Siltstone, trace weathering	Tr su		30	w			
26	27	lgr	Siltstone, trace weathering	0.5% asp/py		25	w gr fe			
27	28	lgr	Siltstone, trace weathering	1% fg asp/py		70	gr w			
28	29	lgr	Siltstone, trace weathering	2% fg asp/py		40	gr w			
29	30	lgr	Siltstone, weathered	2% fg asp/py		30	gr w			

4981292

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	*DG Jackson*	**Easting**	574469m	**Hole No**	RC99MT052
ate Commenced	19.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406565m	**Azimuth**	270 AMG 50
ate Completed	20.6.99	**Hole Depth**	109m	**RL**	325m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh	3% fg asp/py		60	gr w	30	31	106535
31	32	lgr	Siltstone, fresh	1% fg asp/py		25	w gr	31	32	106536
32	33	lgr	Siltstone, fresh	3% fg asp/py		50	gr w	32	33	106537
33	34	lgr	Siltstone, fresh	2% fg asp/py		50	gr w	33	34	106538
34	35	lgr	Siltstone, fresh	2% fg asp/py		98	gr w	34	35	106539
35	36	gr	Quartz	2% fg asp/py		100	gr	35	36	106540
36	37	gr	Quartz	1% fg asp/py		100	gr w	36	37	106541
37	38	gr	Quartz	2% fg asp/py		100	gr	37	38	106542
38	39	lgr	Siltstone, fresh	2% fg asp/py		95	gr	38	39	106543
39	40	lgr	Siltstone, fresh	2% fg asp/py		90	gr w	39	40	106544
40	41	lgr	Siltstone, fresh	3% fg asp/py		98	gr w	40	41	106545
41	42	lgr	Siltstone, fresh	2% fg asp/py		98	gr	41	42	106546
42	43	lgr	Siltstone, fresh	2% fg asp/py		70	gr w	42	43	106547
43	44	lgr	Siltstone, fresh	0.5% fg asp/py		95	gr w	43	44	106548
44	45	lgr	Siltstone, fresh	1% fg asp/py		90	gr w	44	45	106549
45	46	lgr	Sandstone, fg, fresh			2	w	45	47	106550
46	47	lgr	Sandstone, fg, fresh			2	w	47	48	106551
47	48	lgr	Sandstone, fg, fresh	Tr py	*fuchcite*	3	w	48	49	106552
48	49	lgr	Sandstone, fg, fresh	0.5% py		20	w gr	49	51	106553
49	50	gr	Sandstone, fg, fresh			1	w	51	53	106554
50	51	gr	Siltstone & Sandstone, fg, fresh			1	w	53	55	106555
51	52	gr	Siltstone, fresh			0		55	57	106556
52	53	gr	Siltstone, fresh			5	w	57	59	106557
53	54	lgr	Siltstone & Sandstone, fg, fresh			10	w	59	61	106558
54	55	lgr	Siltstone & Sandstone, fg, fresh			5	w			
55	56	lgr	Siltstone & Sandstone, fg, fresh	Tr py		20	w			
56	57	lgr	Sandstone, fg, & Siltstone, fresh			10	w			
57	58	lgr	Sandstone, fg, & Siltstone, fresh			20	w			
58	59	lgr	Sandstone, fg, & Siltstone, fresh			1	w			
59	60	lgr	Sandstone, fg, fresh			2	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574469m	**Hole No**	RC99MT052
ate Commenced	19.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406565m	**Azimuth**	270 AMG 50
ate Completed	20.6.99	**Hole Depth**	109m	**RL**	325m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Sandstone, fg, fresh			3	w	61	63	106559
61	62	lgr	Sandstone, fg, fresh			10	w	63	65	106560
62	63	lgr	Sandstone, fg, fresh	Tr py		50	w	65	67	106561
63	64	lgr	Sandstone, fg, fresh	Tr py		20	w	67	69	106562
64	65	lgr	Sandstone, fg, & Siltstone, fresh			15	w	69	71	106563
65	66	lgr	Sandstone, fg, & Siltstone, fresh			25	w	71	73	106564
66	67	lgr	Sandstone, fg, & Siltstone, fresh			25	w	73	75	106565
67	68	lgr	Sandstone, fg, & Siltstone, fresh			1	w	75	77	106566
68	69	lgr	Sandstone, fg, fresh			1	w	77	79	106567
69	70	dgr	Sandstone, fg, & Siltstone, fresh			0		79	81	106568
70	71	dgr	Sandstone, fg, fresh			1	w	81	83	106569
71	72	dgr	Sandstone, fg, & Siltstone, fresh	Tr py		5	w	83	85	106570
72	73	dgr	Sandstone, fg, & Siltstone, fresh			0		85	87	106571
73	74	dgr	Sandstone, fg, fresh			0		87	89	106572
74	75	dgr	Sandstone, fg, & Siltstone, fresh			0		89	91	106573
75	76	l&dgr	Sandstone, fg, & Siltstone, fresh			0				
76	77	gr	Siltstone & Sandstone, fg, fresh			0				
77	78	gr	Siltstone, fresh			0				
78	79	gr	Siltstone, fresh			0				
79	80	l&dgr	Siltstone, fresh			0				
80	81	gr	Siltstone, fresh			0				
81	82	gr	Siltstone & Sandstone, fg, fresh			0				
82	83	l&dgr	Siltstone & Sandstone, fg, fresh			0				
83	84	l&dgr	Siltstone, fresh			0				
84	85	gr	Siltstone, fresh			0				
85	86	gr	Siltstone, fresh			0				
86	87	gr	Siltstone, fresh			0				
87	88	gr	Siltstone, fresh			0				
88	89	l&dgr	Siltstone, fresh			0				
89	90	gr	Siltstone, fresh			0				

4981124

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574469m	**Hole No**	RC99MT052
ate Commenced	19.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406565m	**Azimuth**	270 AMG 50
ate Completed	20.6.99	**Hole Depth**	109m	**RL**	325m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	gr	Siltstone, fresh			0		91	93	106574
91	92	gr	Siltstone, fresh			0		93	95	106575
92	93	gr	Siltstone, fresh			0		95	97	106576
93	94	l&dgr	Siltstone, fresh			0		97	99	106577
94	95	gr	Siltstone, fresh			0.5	w	99	101	106578
95	96	l&dgr	Siltstone, fresh	Tr py		3	w	101	103	106579
96	97	gr	Sandstone, fg, & Siltstone, fresh			2	w	103	105	106580
97	98	l&dgr	Sandstone, fg, & Siltstone, fresh			2	w	105	107	106581
98	99	l&dgr	Sandstone, fg, & Siltstone, fresh			3	w	107	109	106582
99	100	l&dgr	Sandstone, fg, & Siltstone, fresh			5	w			
100	101	l&dgr	Siltstone, fresh			0.5	w			
101	102	l&dgr	Siltstone, fresh			0				
102	103	l&dgr	Siltstone, fresh	Tr py		0.5	w			
103	104	gr	Siltstone, fresh	Tr py		5	w cm			
104	105	l&dgr	Siltstone, fresh			0				
105	106	l&dgr	Siltstone, fresh			0				
106	107	l&dgr	Siltstone, fresh			0				
107	108	gr	Siltstone, fresh			0				
108	109	lgr	Siltstone & Sandstone, fg, fresh			0				
			EOH at 109m							

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574550m	**Hole No**	RC99MT053
ate Commenced	20.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406765m	**Azimuth**	270 AMG
ate Completed	21.6.99	**Hole Depth**	67m	**RL**	307.7m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1		No Recovery					2	4	106583
1	2	rbr	Tailings - Very small sample			0		4	6	106584
2	3	br	Tailings & Clay			0		6	7	106585
3	4	br	Tailings, Clay & Transported O/B			0		7	8	106586
4	5	br	Clay			0		8	9	106587
5	6	br	Clay, minor weathered siltstone			1	w fe	9	10	106588
6	7	br	Clay, minor weathered siltstone			2	w fe	10	11	106589
7	8	br	Siltstone, weathered	1 vg		95	fe w	11	12	106590
8	9	br	Siltstone, weathered	1 vg?		95	fe w	12	13	106591
9	10	dbr	Siltstone, weathered	5 vg		90	w fe	13	14	106592
10	11	br	Siltstone, weathered	1 vg (tiny)		40	fe w	14	16	106593
11	12	br	Siltstone, weathered			20	w fe	16	8	106594
12	13	br	Siltstone, partly weathered	0.5% asp/py 1 vg		90	w fe gr	18	20	106595
13	14	lgr	Siltstone, minor weathering			3	w	20	22	106596
14	15	lgr	Siltstone, minor weathering	Tr py		0		22	24	106597
15	16	lgr	Siltstone, minor weathering	Tr py		0		24	26	106598
16	17	lgr	Siltstone, minor weathering			1	fe w	26	27	106599
17	18	lgr	Siltstone, minor weathering	Trpy		1	fe w	27	28	106600
18	19	lgr	Siltstone, minor weathering			1	fe w	28	30	106601
19	20	lgr	Siltstone, fresh			0				
20	21	lgr	Siltstone, fresh			3	w			
21	22	lgr	Siltstone & Sandstone, fg, fresh			3	w			
22	23	lgr	Siltstone, fresh			0				
23	24	lgr	Siltstone, fresh			0				
24	25	lgr	Siltstone, fresh			0				
25	26	lgr	Sandstone, fg & Siltstone, fresh			0				
26	27	lgr	Siltstone & Sandstone, fg, fresh			20	w			
27	28	lgr	Siltstone & Sandstone, fg, fresh			70	w			
28	29	lgr	Siltstone & Sandstone, fg, fresh			2	w			
29	30	lgr	Sandstone, fg, fresh			1	w			

4981126

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574550m	**Hole No**	RC99MT053
ate Commenced	20.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406765m	**Azimuth**	270 AMG
ate Completed	21.6.99	**Hole Depth**	67m	**RL**	307.7m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh			5	w	30	31	106602
31	32	lgr	Siltstone & Sandstone, fg, fresh	0.5% py	Py spotting	60	w	31	32	106603
32	33	lgr	Siltstone, fresh		Py spotting	1	w	32	34	106604
33	34	lgr	Siltstone, fresh			1	w	34	36	106605
34	35	lgr	Siltstone, fresh			0	w	36	38	106606
35	36	lgr	Siltstone & Sandstone, fg, fresh			3	w	38	40	106607
36	37	lgr	Siltstone, fresh			1	w	40	42	106608
37	38	lgr	Siltstone, fresh	Tr py		5	w	42	44	106609
38	39	lgr	Siltstone, fresh			0		44	46	106610
39	40	lgr	Siltstone, fresh		Py spotting	3	w gr	46	47	106611
40	41	lgr	Siltstone, fresh			1	w	47	48	106612
41	42	lgr	Siltstone, fresh			0		48	49	106613
42	43	lgr	Siltstone, fresh			0		49	50	106614
43	44	lgr	Siltstone, fresh			0		50	51	106615
44	45	lgr	Siltstone, fresh			0		51	52	106616
45	46	lgr	Siltstone, fresh			0.5	w	52	53	106617
46	47	lgr	Siltstone, fresh	0.5% py		3	w	53	54	106618
47	48	lgr	Siltstone, fresh	0.5%cg asp/py		3	w	54	55	106619
48	49	lgr	Siltstone, fresh	0.5%cg asp/py		5	w	55	56	106620
49	50	l&dgr	Siltstone, fresh	Tr py		5	w	56	58	106621
50	51	l&dgr	Siltstone & minor sandstone, fg, fresh	0.5% py		2	w	58	60	106622
51	52	lgr	Siltstone, fresh	1% py/asp		30	w gr			
52	53	lgr	Siltstone, fresh	1% py		30	w gr			
53	54	lgr	Siltstone, fresh	0.5% py		30	w gr			
54	55	lgr	Siltstone, fresh	0.5% py		40	w			
55	56	lgr	Siltstone & Sandstone, fg, fresh	Tr py		20	w			
56	57	lgr	Siltstone, fresh		Py spotting	1	w			
57	58	lgr	Siltstone, fresh		Py spotting	0				
58	59	lgr	Siltstone, fresh			0				
59	60	lgr	Siltstone & Sandstone, fg, fresh			0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	*DG Jackson*	**Easting**	574550m	**Hole No**	RC99MT053
ate Commenced	20.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406765m	**Azimuth**	270 AMG
ate Completed	21.6.99	**Hole Depth**	67m	**RL**	307.7m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh			0		60	62	10662
61	62	lgr	Siltstone, fresh			0		62	64	10663
62	63	lgr	Siltstone & Sandstone, fg, fresh			0		64	67	10664
63	64	lgr	Siltstone, fresh			0				
64	65	lgr	Siltstone & Sandstone, fg, fresh			0				
65	66	lgr	Siltstone, fresh			0				
66	67	lgr	Siltstone & Sandstone, fg, fresh			0				
			EOH at 67m							

4081128

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574570m	**Hole No**	RC99MT054
te Commenced	21.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406765m	**Azimuth**	270 AMG
te Completed	21.6.99	**Hole Depth**	40m	**RL**	306.6m	**Inclination**	55

Depth		Lithology						Sampling		
om	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1		No Recovery					1	3	106626
1	2	br	Tailings & Clay			0		5	6	106627
2	3	br	Clay			0		6	7	106628
3	4		No Recovery					7	9	106629
4	5		No Recovery					9	10	106630
5	6	br	Clay, minor weathered silltstone			10	w fe	10	11	106631
6	7	br	Siltstone, weathered			80	w fe	11	12	106632
7	8	br	Siltstone & Sandstone, fg, weathered			1	w fe	12	13	106633
8	9	br	Siltstone, weathered			5	w fe	13	14	106634
9	10	ybr	Siltstone, weathered			25	w fe	14	15	106635
10	11	ybr	Siltstone, weathered			70	w fe	15	16	106636
11	12	ybr	Siltstone, weathered			60	w fe	16	18	106637
12	13	ybr	Siltstone, weathered			70	w fe	18	19	106638
13	14	ybr	Siltstone, weathered	1 vg		60	w fe	19	20	106639
14	15	ybr	Siltstone, weathered	1 vg? (tiny)		70	w fe	20	21	106640
15	16	ybr	Siltstone, weathered			70	w fe	21	22	106641
16	17	ybr	Siltstone, weathered			1	w fe	22	23	106642
17	18	ybr	Siltstone, weathered			5	w fe	23	24	106643
18	19	ybr	Siltstone, weathered			70	w fe	24	25	106644
19	20	ybr	Siltstone, weathered			60	w fe	25	26	106645
20	21	ybr	Siltstone, weathered			70	w fe	26	27	106646
21	22	ybr	Siltstone, weathered			50	w fe	27	28	106647
22	23	ybr&gr	Siltstone, weathered	0.5% asp/py		60	w gr fe	28	29	106648
23	24	lgr	Siltstone, fresh	1% cg asp		60	w gr	29	30	106649
24	25	lgr	Siltstone, fresh	0.5% cg asp		95	w			
25	26	lgr	Siltstone, fresh	1% cg asp		90	w			
26	27	lgr	Siltstone, fresh	1% cg asp		60	w			
27	28	lgr	Siltstone, fresh	1% cg asp		60	w			
28	29	lgr	Siltstone, fresh	1% cg asp 1 vg?		30	w			
29	30	lgr	Siltstone & Sandstone, fg, fresh	0.5% py/asp 3 vg		60	w			

4931129

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	*DG Jackson*	**Easting**	574570m	**Hole No**	RC99MT054
ate Commenced	21.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406765m	**Azimuth**	270 AMG
ate Completed	21.6.99	**Hole Depth**	40m	**RL**	306.6m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh	2% cg asp 2 vg		90	w	30	31	106650
31	32	lgr	Siltstone, fresh	0.5% cg asp 1 vg		70	w	31	32	106651
32	33	lgr	Siltstone, fresh	3% cg asp 2 vg		80	w	32	33	106652
33	34	lgr	Siltstone & Sandstone, fg, fresh	0.5% cg asp 3 vg		30	w	33	34	106653
34	35	l&dgr	Siltstone & Sandstone, fg, fresh	Tr su		10	w	34	35	106654
35	36	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w	35	36	106655
36	37	lgr	Siltstone, fresh	0.5% asp		20	w	36	37	106656
37	38	lgr	Siltstone & Sandstone, fg, fresh	Tr asp		5	w	37	38	106657
38	39	lgr	Siltstone, fresh			1	w	38	40	106658
39	40	lgr	Siltstone, fresh			1	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	*DG Jackson*	**Easting**	574589m	**Hole No**	RC99MT055
ate Commenced	21.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406765m	**Azimuth**	270 AMG
ate Completed	22.6.99	**Hole Depth**	115m	**RL**	306.5m	***Inclination***	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1		No Recovery					4	6	106659
1	2		No Recovery					6	8	106660
2	3		No Recovery					8	10	106661
3	4		No Recovery					10	12	106662
4	5	dbr	Siltstone & Sandstone, fg, weathered & Surface Lag			10	w fe	12	14	106663
5	6	ybr	Siltstone & Sandstone, fg, weathered			25	fe w	14	16	106664
6	7	br	Siltstone & Sandstone, fg, weathered			1	w fe	16	18	106665
7	8	br	Siltstone & Sandstone, fg, weathered			10	w fe	18	20	106666
8	9	br	Siltstone & Sandstone, fg, weathered			1	w fe	20	22	106667
9	10	br&gr	Siltstone & Sandstone, fg, weathered			10	fe w	22	24	106668
10	11	br&gr	Siltstone & Sandstone, fg, weathered			0		24	26	106669
11	12	br	Sandstone, fg, weathered Cement contam			0		26	28	106670
12	13	br	Sandstone, fg, & Siltstone, weathered			0		28	30	106671
13	14	br	Sandstone, fg, & Siltstone, weathered			2	fe w			
14	15	br	Sandstone, fg, & Siltstone, weathered Cement contam			0				
15	16	br	Siltstone,weathered Cement contam			0.5	fe w			
16	17	gr&br	Siltstone & Sandstone, fg, weathered			0.5	fe w			
17	18	br	Siltstone & Sandstone, fg, weathered Cement contam			1	fe w			
18	19	gr&br	Siltstone & Sandstone, fg, weathered			0				
19	20	br	Siltstone & Sandstone, fg, weathered			0				
20	21	br	Siltstone & Sandstone, fg, weathered			0				
21	22	br	Siltstone & Sandstone, fg, weathered			1	fe w			
22	23	br&gr	Siltstone & Sandstone, fg, weathered			0				
23	24	br	Siltstone & Sandstone, fg, weathered			1	fe w			
24	25	gr&br	Siltstone & Sandstone, fg, weathered			0				
25	26	br&gr	Siltstone & Sandstone, fg, weathered			0				
26	27	br	Siltstone & Sandstone, fg, weathered			2	w fe			
27	28	br	Siltstone & Sandstone, fg, weathered			2	w fe			
28	29	br	Siltstone, weathered			0				
29	30	gr&br	Siltstone, weathered			10	w fe			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574589m	**Hole No**	RC99MT055
ate Commenced	21.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406765m	**Azimuth**	270 AMG
ate Completed	22.6.99	**Hole Depth**	115m	**RL**	306.5m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, partly weathered	0.5% py		5	w	30	32	106672
31	32	lgr	Sandstone & Siltstone, partly weathered	Tr py		5	w	32	33	106673
32	33	lgr	Sandstone & Siltstone, partly weathered	0.5% asp/py	Py spotting	5	w	33	34	106674
33	34	lgr	Siltstone, trace weathering	0.5% py	Py spotting	3	w	34	35	106675
34	35	lgr	Sandstone, fg, fresh	Tr asp		60	w	35	36	106676
35	36	lgr	Sandstone, fg, fresh	0.5% py		80	w	36	37	106677
36	37	lgr	Siltstone & Sandstone, fg, fresh	Tr asp		60	w	37	38	106678
37	38	lgr	Siltstone & Sandstone, fg, fresh			50	w	38	39	106679
38	39	lgr	Siltstone, fresh	5% cg asp		80	w	39	40	106680
39	40	lgr	Siltstone & Sandstone, fg, fresh	0.5% asp/py		30	w	40	42	106681
40	41	lgr	Siltstone, fresh			1	w	42	44	106682
41	42	lgr	Siltstone, fresh		Py spotting	2	w	44	45	106683
42	43	lgr	Siltstone & Sandstone, fg, fresh	0.5% py	Py spotting	5	w	45	46	106684
43	44	lgr	Siltstone, fresh		Py spotting	1	w	46	47	106685
44	45	lgr	Siltstone, fresh	0.5% cg asp/py	Py spotting	15	w	47	48	106686
45	46	lgr	Siltstone, fresh		Py spotting	2	w	48	49	106687
46	47	lgr	Siltstone, fresh			90	w	49	50	106688
47	48	lgr	Siltstone, fresh	Tr py		90	w	50	51	106689
48	49	lgr	Siltstone, fresh	Tr py 1 nugget 2 vg		80	w	51	52	106690
49	50	lgr	Siltstone, fresh	1% cg asp		70	w	52	53	106691
50	51	lgr	Siltstone, fresh	1% cg asp/py	Py spotting	40	w	53	54	106692
51	52	lgr	Siltstone, fresh	1% cg asp/py		50	w	54	55	106693
52	53	lgr	Siltstone, fresh	1% cg asp/py		70	w	55	56	106694
53	54	lgr	Siltstone, fresh	1% cg asp/py		20	w	56	58	106695
54	55	lgr	Siltstone, fresh	0.5% py		3	w	58	60	106696
55	56	lgr	Siltstone, fresh	0.5% asp/py		5	w			
56	57	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	1	w			
57	58	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	1	w			
58	59	lgr	Siltstone, fresh		Py spotting	1	w			
59	60	lgr	Siltstone, fresh		Py spotting	0				

4981332

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574589m	**Hole No**	RC99MT055
ate Commenced	21.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406765m	**Azimuth**	270 AMG
ate Completed	22.6.99	**Hole Depth**	115m	**RL**	306.5m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	Tr py	Py spotting	1	w	60	62	106697
61	62	lgr	Siltstone, fresh		Py spotting	0		62	64	106698
62	63	lgr	Siltstone, fresh			0		64	66	106699
63	64	lgr	Siltstone, fresh			0		66	68	106700
64	65	lgr	Siltstone, fresh			2	w	68	70	106701
65	66	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py		3	w	70	72	106702
66	67	lgr	Siltstone, fresh			1	w	72	74	106703
67	68	lgr	Siltstone, fresh		Py spotting	1	w	74	76	106704
68	69	lgr	Siltstone, fresh	Tr py	Py spotting	1	w	76	78	106705
69	70	lgr	Siltstone, fresh	Tr py		1	w	78	80	106706
70	71	lgr	Siltstone, fresh			0		80	82	106707
71	72	lgr	Siltstone, fresh			0		82	84	106708
72	73	lgr	Siltstone, fresh			0		84	86	106709
73	74	lgr	Siltstone, fresh			5	w	86	87	106710
74	75	lgr	Siltstone, fresh			20	w	87	88	106711
75	76	lgr	Siltstone, fresh			0.5	w	88	90	106712
76	77	lgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w			
77	78	lgr	Siltstone, fresh Contaminated			0				
78	79	lgr	Siltstone, fresh Contaminated	Tr py		0				
79	80	lgr	Siltstone, fresh			1	w			
80	81	lgr	Siltstone, fresh			0				
81	82	lgr	Siltstone, fresh			0				
82	83	lgr	Siltstone, fresh			1	w			
83	84	lgr	Siltstone, fresh			1	w			
84	85	lgr	Siltstone, fresh			0				
85	86	lgr	Siltstone, fresh			0				
86	87	lgr	Siltstone, fresh	Tr py	Py spotting	40	w			
87	88	lgr	Siltstone, fresh	0.5%cg asp/py		40	w			
88	89	lgr	Siltstone, fresh		Py spotting	0				
89	90	lgr	Siltstone, fresh		Py spotting	0.5	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574589m	**Hole No**	RC99MT055
ate Commenced	21.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406765m	**Azimuth**	270 AMG
ate Completed	22.6.99	**Hole Depth**	115m	**RL**	306.5m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh			0		90	92	106713
91	92	lgr	Siltstone, fresh			0		92	94	106714
92	93	lgr	Siltstone, fresh			0		94	96	106715
93	94	lgr	Siltstone, fresh			0		96	98	106716
94	95	lgr	Siltstone, fresh			0		98	100	106717
95	96	lgr	Siltstone, fresh			0		100	102	106718
96	97	lgr	Siltstone, fresh			0		102	103	106719
97	98	lgr	Siltstone, fresh			0		103	104	106720
98	99	lgr	Siltstone, fresh		Py spotting	0		104	105	106721
99	100	lgr	Siltstone, fresh		Py spotting	1	w	105	106	106722
00	101	lgr	Siltstone, fresh	Tr py	Py spotting	0		106	107	106723
01	102	lgr	Siltstone, fresh		Py spotting	0		107	108	106724
02	103	lgr	Siltstone, fresh	0.5% py	Py spotting	5	w	108	109	106725
103	104	lgr	Siltstone & Sandstone, fg, fresh	1 % py		60	gr w	109	110	106726
104	105	lgr	Siltstone, fresh	0.5% py	Py spotting	30	w gr	110	111	106727
105	106	lgr	Siltstone, fresh	0.5% py		25	w gr	111	113	106728
106	107	lgr	Siltstone, fresh			10	w	113	115	106729
107	108	lgr	Siltstone, fresh	0.5% py/asp		40	w			
108	109	gr	Siltstone, fresh	Tr py		15	w			
109	110	gr	Siltstone, fresh		Py spotting	40	w			
110	111	gr	Siltstone, fresh			25	w			
111	112	gr	Siltstone, fresh			2	w	Surveys		
112	113	gr	Siltstone, fresh			2	w			
113	114	gr	Siltstone, fresh			0.5	w	Depth	Azimuth	Inclination
114	115	l&dgr	Siltstone, fresh Contaminated			15	w			
								30	260	52
			EOH at 115m					60	262	48.5
								90	260.5	45.5

4981134

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574465m	**Hole No**	RC99MT056
ate Commenced	22.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406645m	**Azimuth**	270 AMG
ate Completed	23.6.99	**Hole Depth**	114m	**RL**	325m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Clay & Overburdon Fill			0		0	2	106730
1	2	ybr	Siltstone, weathered, Clay and O/B			0.5	fe w	2	4	106731
2	3	ybr	Siltstone, weathered			1	fe w	4	5	106732
3	4	ybr	Siltstone, weathered			1	w fe	5	8	106733
4	5	ybr	Siltstone, weathered			50	w fe	8	10	106734
5	6	ybr	Siltstone, weathered			0		10	12	106735
6	7	ybr	Siltstone, weathered			0		12	14	106736
7	8	ybr	Siltstone, weathered			0		14	16	106737
8	9	ybr	Siltstone, weathered			0		16	18	106738
9	10	ybr	Siltstone, weathered			0		18	20	106739
10	11	ybr	Siltstone, weathered			0		20	22	106740
11	12	ybr	Siltstone, weathered			1	w fe	22	24	106741
12	13	ybr	Siltstone, weathered			0		24	26	106742
13	14	ybr	Siltstone, weathered			0		26	27	106743
14	15	ybr	Siltstone, weathered			0		27	28	106744
15	16	ybr	Siltstone, weathered			0		28	29	106745
16	17	ybr	Siltstone, weathered			1	w fe	29	30	106746
17	18	ybr	Siltstone, weathered			0				
18	19	ybr	Siltstone, weathered			0				
19	20	ybr	Siltstone, weathered			0				
20	21	ybr&gr	Siltstone, weathered			0				
21	22	ybr&gr	Siltstone, weathered			0				
22	23	ybr&gr	Siltstone, weathered			0.5	w fe			
23	24	ybr&gr	Siltstone, weathered			0				
24	25	ybr&gr	Siltstone & Sandstone, fg, weathered			1	w			
25	26	ybr&gr	Sandstone, fg & Siltstone, weathered			0.5	w			
26	27	ybr&gr	Sandstone, fg & Siltstone, weathered			1	w fe			
27	28	ybr&gr	Siltstone & Sandstone, fg, weathered			5	w fe			
28	29	lgr	Sandstone, fg, partly weathered	1% ox py		10	w fe			
29	30	lgr	Sandstone, fg, partly weathered	0.5% ox py		5	w fe			

4981135

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574465m	**Hole No**	RC99MT056
ate Commenced	22.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406645m	**Azimuth**	270 AMG
ate Completed	23.6.99	**Hole Depth**	114m	**RL**	325m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	gr	Siltstone, tr weathering	vg in fe qtz		3	w fe	30	31	106747
31	32	gr	Siltstone& Sandstone,fg , tr weathering	0.5% asp/py		1	w	31	32	106748
32	33	lgr	Sandstone, fg, fresh	Tr asp/py		1	w	32	33	106749
33	34	l&dgr	Siltstone & Sandstone, fg, fresh			10	w	33	34	106750
34	35	l&dgr	Sandstone, fg & Siltstone, fresh			0.5	w	34	36	106751
35	36	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0.5	w	36	38	106752
36	37	lgr	Siltstone & Sandstone, fg, fresh			0		38	40	106753
37	38	lgr	Siltstone & Sandstone, fg, fresh			5	w	40	41	106754
38	39	lgr	Siltstone, fresh			0.5	w	41	42	106755
39	40	lgr	Siltstone, fresh	Tr py		0.5	w	42	43	106756
40	41	lgr	Siltstone, fresh			0.5	w	43	44	106757
41	42	lgr	Siltstone, fresh	0.5% fg asp/py		60	w gr	44	45	106758
42	43	lgr	Siltstone, fresh	Tr py		3	w	45	47	106759
43	44	lgr	Sandstone, fg & Siltstone, fresh	Tr py		5	w	47	49	106760
44	45	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		10	w	49	51	106761
45	46	lgr	Siltstone, fresh			0.5	w	51	53	106762
46	47	lgr	Siltstone, fresh			0		53	55	106763
47	48	l&dgr	Siltstone, fresh			1	w	55	57	106764
48	49	l&dgr	Siltstone, fresh			0.5	w	57	58	106765
49	50	l&dgr	Siltstone, fresh			2	w	58	59	106766
50	51	lgr	Siltstone, fresh			10	w	59	60	106767
51	52	lgr	Siltstone, fresh			1	w			
52	53	lgr	Siltstone, fresh			0				
53	54	lgr	Siltstone, fresh			0				
54	55	lgr	Siltstone & Sandstone, fg, fresh			2	w			
55	56	lgr	Siltstone, fresh			0				
56	57	lgr	Siltstone & Sandstone, fg, fresh			0				
57	58	lgr	Siltstone & Sandstone, fg, fresh	0.5% py/asp		10	w			
58	59	lgr	Siltstone, fresh	0.5% py		5	w			
59	60	lgr	Siltstone, fresh	0.5% py		30	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574465m	**Hole No**	RC99MT056
ıte Commenced	22.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406645m	**Azimuth**	270 AMG
ıte Completed	23.6.99	**Hole Depth**	114m	**RL**	325m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh			40	w	60	61	106768
61	62	lgr	Siltstone, fresh	Tr py		15	w	61	62	106769
62	63	lgr	Siltstone, fresh	0.5% py		30	w gr	62	63	106770
63	64	lgr	Siltstone & Sandstone, fg, fresh			5	w	63	65	106771
64	65	lgr	Siltstone & Sandstone, fg, fresh			2	w	65	67	106772
65	66	lgr	Siltstone & Sandstone, fg, fresh			5	w	67	69	106773
66	67	lgr	Siltstone & Sandstone, fg, fresh			5	w	69	70	106774
67	68	lgr	Siltstone & Sandstone, fg, fresh	Tr py		15	w	70	71	106775
68	69	lgr	Siltstone & Sandstone, fg, fresh	Tr py		15	w	71	72	106776
69	70	lgr	Siltstone & Sandstone, fg, fresh	Tr py		10	w	72	73	106777
70	71	lgr	Siltstone & Sandstone, fg, fresh	3% fg py/asp		80	gr w	73	74	106778
71	72	gr	Quartz	5% fg py/asp 1 vg		100	gr w	74	76	106779
72	73	lgr	Quartz	5% fg py/asp		100	gr w	76	78	106780
73	74	l&dgr	Siltstone, fresh	Tr py		5	w	78	79	106781
74	75	l&dgr	Siltstone, fresh	Tr py		25	w	79	80	106782
75	76	l&dgr	Siltstone, fresh			5	w	80	81	106783
76	77	lgr	Siltstone, fresh			3	w	81	82	106784
77	78	lgr	Siltstone, fresh			5	w	82	83	106785
78	79	l&dgr	Siltstone, fresh	Tr py		25	w	83	84	106786
79	80	gr	Siltstone, fresh	1% py/asp		20	gr w	84	85	106787
80	81	lgr	Siltstone, fresh	1% py/asp 1 cg asp		25	w gr	85	86	106788
81	82	lgr	Siltstone, fresh	3% fg py/asp		100	w gr	86	87	106789
82	83	lgr	Siltstone, fresh	1% py/asp		30	w gr	87	89	106790
83	84	lgr	Siltstone, fresh	2% py/asp		95	w gr	89	91	106791
84	85	lgr	Siltstone, fresh	2% py/asp		60	w gr			
85	86	dgr	Siltstone, fresh	1% py		60	w			
86	87	dgr	Siltstone, fresh	1% py		50	w			
87	88	l&dgr	Siltstone, fresh	Tr py		2	w			
88	89	lgr	Siltstone, fresh			1	w			
89	90	l&dgr	Siltstone, fresh			0				

4981361

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574465m	**Hole No**	RC99MT056
ate Commenced	22.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406645m	**Azimuth**	270 AMG
ate Completed	23.6.99	**Hole Depth**	114m	**RL**	325m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh	Tr py		3	w	91	93	106792
91	92	lgr	Siltstone, fresh	Tr py		2	w	93	95	106793
92	93	lgr	Siltstone, fresh			2	w	95	97	106794
93	94	lgr&g	Siltstone, fresh			50	w	97	99	106795
94	95	lgr&g	Siltstone, fresh	Tr py		60	w	99	101	106796
95	96	lgr&g	Siltstone, fresh			40	w	101	103	106797
96	97	lgr&g	Siltstone, fresh			0.5	w	103	105	106798
97	98	lgr	Siltstone, fresh			0		105	107	106799
98	99	lgr	Siltstone, fresh			0		107	109	106800
99	100	lgr	Siltstone, fresh			0		109	111	106801
100	101	lgr	Siltstone, fresh			0		111	114	106802
101	102	lgr	Siltstone, fresh			0				
102	103	lgr	Siltstone, fresh			0				
103	104	lgr	Siltstone, fresh			0				
104	105	lgr	Siltstone, fresh			0				
105	106	lgr	Siltstone, fresh			0				
106	107	lgr	Siltstone, fresh			0				
107	108	lgr	Siltstone, fresh			0.5	w			
108	109	lgr	Siltstone, fresh			0				
109	110	lgr	Siltstone, fresh			0				
110	111	lgr	Siltstone, fresh			1	w	Surveys		
111	112	lgr	Siltstone, fresh			1	w			
112	113	lgr	Siltstone, fresh			3	w	Depth	Azimuth	Inclination
113	114	lgr	Siltstone, fresh			5	w			
								30	263	46
			EOH at 114m					60	258	40
								90	261	39.5

4931138

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574458m	**Hole No**	RC99MT057
ate Commenced	23.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406626m	**Azimuth**	270 AMG
ate Completed	24.6.99	**Hole Depth**	115m	**RL**	326m	***Inclination***	*50*

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1		No Recovery					1	3	106803
1	2	ybr	Siltstone, weathered			0.5	w fe	3	5	106804
2	3	ybr	Siltstone, weathered			30	w fe	5	7	106805
3	4	ybr	Siltstone, weathered			1	w fe	7	9	106806
4	5	ybr	Siltstone, weathered			0.5	w fe	9	1	106807
5	6	ybr	Siltstone, weathered			25	w fe	11	12	106808
6	7	ybr	Siltstone, weathered			1	w fe	12	13	106809
7	8	ybr	Siltstone, weathered			0.5	w fe	13	14	106810
8	9	ybr	Siltstone, weathered			1	w fe	14	15	106811
9	10	ybr&gr	Siltstone, weathered			0		15	16	106812
10	11	ybr	Siltstone, weathered			0		16	18	106813
11	12	ybr	Siltstone, weathered			15	w fe	18	20	106814
12	13	ybr	Siltstone, weathered	9 vg (tiny)		70	w fe	20	21	106815
13	14	ybr	Siltstone, weathered	2 vg		60	fe w	21	22	106816
14	15	ybr	Siltstone, weathered			90	w fe	22	23	106817
15	16	ybr&gr	Siltstone, weathered			10	w fe	23	24	106818
16	17	ybr	Siltstone, weathered			0.5	fe w	24	25	106819
17	18	ybr&gr	Siltstone, weathered			0		25	26	106820
18	19	ybr&gr	Siltstone, weathered			1	w fe	26	28	106821
19	20	ybr&gr	Siltstone, weathered			5	w fe	28	29	106822
20	21	ybr&gr	Siltstone, weathered	Tr cg asp		5	w fe	29	30	106823
21	22	ybr	Siltstone, weathered	2 vg (tiny)		80	w fe			
22	23	lgr	Siltstone, partly weathered	1% fg asp/py 3 vg		25	w gr fe			
23	24	lgr&ybr	Siltstone, partly weathered		Py spotting	0				
24	25	lgr&ybr	Siltstone, partly weathered	0.5% fg asp/py		30	w fe			
25	26	lgr&ybr	Siltstone, partly weathered	0.5% fg asp/py	Py spotting	15	w fe			
26	27	lgr&ybr	Siltstone, partly weathered			0				
27	28	lgr	Siltstone, trace weathering			10	w fe			
28	29	lgr	Siltstone, trace weathering	0.5% fg asp/py		5	w fe			
29	30	lgr	Siltstone, fresh	0.5% asp/py		10	w gr			

4061630

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574458m	**Hole No**	RC99MT057
ate Commenced	23.6.99	**Drillers**	Diamond Drill Tas	***Northing***	*5406626m*	**Azimuth**	270 AMG
ate Completed	24.6.99	**Hole Depth**	115m	**RL**	326m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone & Sandstone, fg, fresh	3% fg asp		50	w gr	30	31	106824
31	32	lgr	Sandstone, fg & Siltstone, fresh	Tr py/asp		5	w gr	31	32	106825
32	33	lgr	Sandstone, fg & Siltstone, fresh	Tr su		5	w	32	33	106826
33	34	lgr	Siltstone & Sandstone, fg, fresh	3% fg asp		15	w gr	33	34	106827
34	35	lgr	Sandstone, fg & Siltstone, fresh	2% fg asp		20	w gr	34	35	106828
35	36	lgr	Siltstone, fresh	0.5% asp/py		5	w	35	36	106829
36	37	lgr	Siltstone, fresh	Tr asp/py		5	w	36	38	106830
37	38	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	38	40	106831
38	39	lgr	Siltstone & Sandstone, fg, fresh			1	w	40	41	106832
39	40	lgr	Sandstone, fg & Siltstone, fresh	Tr su		1	w	41	42	106833
40	41	lgr	Sandstone, fg & Siltstone, fresh			2	w	42	43	106834
41	42	lgr	Siltstone, fresh	1% fg asp/py		40	w gr	43	44	106835
42	43	lgr	Siltstone, fresh	2% fg asp/py		90	w gr	44	45	106836
43	44	lgr	Siltstone, fresh	2% asp		50	w gr	45	46	106837
44	45	l&dgr	Siltstone, fresh	0.5% py/asp		30	w	46	47	106838
45	46	l&dgr	Siltstone, fresh	2% fgasp		40	w gr	47	49	106839
46	47	l&dgr	Siltstone, fresh	2% py/asp		20	w	49	51	106840
47	48	l&dgr	Siltstone, fresh	Tr py		15	w	51	53	106841
48	49	l&dgr	Siltstone, fresh	Tr py		15	w	53	55	106842
49	50	l&dgr	Siltstone, fresh	Tr py		5	w	55	56	106843
50	51	l&dgr	Siltstone & Sandstone, fg, fresh			2	w	56	57	106844
51	52	l&dgr	Siltstone & Sandstone, fg, fresh			1	w	57	58	106845
52	53	l&dgr	Siltstone & Sandstone, fg, fresh			3	w	58	59	106846
53	54	l&dgr	Siltstone & Sandstone, fg, fresh			2	w	59	61	106847
54	55	dgr	Siltstone, fresh			3	w			
55	56	l&dgr	Siltstone & Sandstone, fg, fresh			0.5	w			
56	57	gr	Siltstone, fresh	0.5% asp		30	w			
57	58	l&dgr	Siltstone, fresh	0.5% asp/py		10	w gr			
58	59	lgr	Siltstone & Sandstone, fg, fresh	1% fg asp/py		25	w gr			
59	60	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574458m	**Hole No**	RC99MT057
ate Commenced	23.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406626m	**Azimuth**	270 AMG
ate Completed	24.6.99	**Hole Depth**	115m	**RL**	326m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	dgr	Siltstone, fresh			0.5	w	61	63	106848
61	62	l&dgr	Siltstone & Sandstone, fg, fresh			10	w	63	65	106849
62	63	dgr	Siltstone, fresh	Tr py		10	w	65	67	106850
63	64	l&dgr	Sandstone, fg & Siltstone, fresh			5	w	67	69	106851
64	65	l&dgr	Siltstone & Sandstone, fg, fresh	Tr su		5	w	69	71	106852
65	66	l&dgr	Sandstone, fg & Siltstone, fresh			1	w	71	73	106853
66	67	l&dgr	Siltstone & Sandstone, fg, fresh			3	w	73	75	106854
67	68	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py/asp		5	w	75	77	106855
68	69	dgr	Siltstone, fresh	0.5% py/asp		20	w gr	77	79	106856
69	70	bl&gr	Shale & Siltstone, fresh Fault?	1% py		1	w	79	81	106857
70	71	lgr	Sandstone, fg & Siltstone, fresh, minor black shale			0.5	w	81	83	106858
71	72	lgr	Siltstone, fresh			1	w	83	86	106859
72	73	l&dgr	Siltstone, fresh			0		86	88	106860
73	74	l&dgr	Siltstone, fresh			0		88	89	106861
74	75	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py		1	w	89	90	106862
75	76	l&dgr	Siltstone, fresh			0				
76	77	l&dgr	Siltstone, fresh			0				
77	78	l&dgr	Siltstone & Sandstone, fg, fresh			15	w			
78	79	l&dgr	Siltstone & Sandstone, fg, fresh	Tr su		5	w			
79	80	dgr	Siltstone, fresh			1	w			
80	81	l&dgr	Siltstone, fresh			2	w			
81	82	l&dgr	Siltstone, fresh			0.5	w			
82	83	l&dgr	Sandstone, fg & Siltstone, fresh	Tr py		1	w			
83	84	dgr	Siltstone, fresh			0				
84	85	l&dgr	Sandstone, fg & Siltstone, fresh			3	w			
85	86	dgr	Siltstone, fresh			3	w			
86	87	l&dgr	Siltstone, fresh	Tr su		5	w			
87	88	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w			
88	89	lgr	Siltstone & Sandstone, fg, fresh	0.5% py/asp		40	w gr			
89	90	lgr	Siltstone & Sandstone, fg, fresh	2% asp/py		30	gr w			

4681441

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574458m	**Hole No**	RC99MT057
te Commenced	23.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406626m	**Azimuth**	270 AMG
te Completed	24.6.99	**Hole Depth**	115m	**RL**	326m	**Inclination**	50

Depth		Lithology						Sampling		
om	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	dgr	Siltstone, fresh	0.5% fg su		60	w gr	90	91	106863
91	92	dgr	Siltstone, fresh	0.5% asp/py		60	gr w	91	92	106864
92	93	l&dgr	Siltstone, fresh			0.5	w	92	94	106865
93	94	lgr	Siltstone, fresh	Tr py		2	w	94	97	106866
94	95	lgr	Siltstone, fresh			1	w	97	99	106867
95	96	lgr	Siltstone, fresh			2	w	99	100	106868
96	97	lgr	Siltstone, fresh			1	w	100	102	106869
97	98	lgr	Siltstone, fresh			0		102	104	106870
98	99	lgr	Siltstone & Sandstone, fg, fresh	Tr py		1	w	104	106	106871
99	100	lgr	Siltstone, fresh	0.5% fg su		90	gr w	106	108	106872
00	101	l&dgr	Siltstone, fresh			0		108	110	106873
01	102	lgr	Siltstone, fresh			1	w	110	112	106874
02	103	lgr	Siltstone, fresh			0		112	115	106875
03	104	l&dgr	Siltstone, fresh			0				
04	105	l&dgr	Siltstone, fresh			0				
05	106	lgr	Siltstone, fresh			0				
06	107	lgr	Siltstone, fresh			0				
107	108	lgr&cm	Siltstone & Sandstone, fg, fresh			0				
108	109	lgr	Siltstone, fresh			0				
109	110	lgr	Siltstone & Sandstone, fg, fresh			0				
110	111	lgr	Siltstone, fresh			0		Surveys		
111	112	lgr	Siltstone, fresh			0				
112	113	lgr	Siltstone, fresh			0		Depth	Azimuth	Inclination
113	114	lgr	Siltstone, fresh			0				
114	115	lgr	Siltstone, fresh			0		20	265	48.5
			EOH at 115m							

4981142

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574471m	**Hole No**	RC99MT058
ate Commenced	24.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406625m	**Azimuth**	270 AMG
ate Completed	25.6.99	**Hole Depth**	85m	**RL**	326m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Soil & Clay			0		0	2	106876
1	2	ybr	Siltstone, weathered & O/B & Clay			70	w fe	2	4	106877
2	3	ybr	Siltstone, weathered & Clay			70	w fe	4	6	106878
3	4	ybr	Siltstone, weathered			30	w fe	6	7	106879
4	5	ybr	Siltstone, weathered			1	w fe	7	9	106880
5	6	ybr	Siltstone, weathered			1	w fe	9	11	106881
6	7	ybr	Siltstone, weathered			50	w fe	11	13	106882
7	8	br	Siltstone, weathered			3	w fe	13	15	106883
8	9	br	Siltstone, weathered			0		15	17	106884
9	10	br	Siltstone, weathered			0		17	19	106885
10	11	br	Siltstone, weathered			0		19	21	106886
11	12	br	Siltstone, weathered			0.5	w fe	21	23	106887
12	13	br	Siltstone, weathered			0		23	25	106888
13	14	br& gr	Siltstone, weathered			0		25	27	106889
14	15	br	Siltstone, weathered			2	w fe	27	29	106890
15	16	ybr	Siltstone, weathered			0		29	31	106891
16	17	ybr	Siltstone, weathered			0.5	w fe			
17	18	ybr	Siltstone, weathered			0				
18	19	ybr&gr	Siltstone, weathered			0				
19	20	ybr&gr	Siltstone, weathered			0				
20	21	ybr&gr	Siltstone, partly weathered			0				
21	22	ybr&gr	Siltstone, partly weathered			0				
22	23	ybr	Siltstone, weathered			0				
23	24	lgr&ybr	Siltstone, partly weathered			0				
24	25	l&dgr	Siltstone, partly weathered			0				
25	26	l&dgr	Siltstone, fresh			5	w			
26	27	lgr	Siltstone, fresh			0				
27	28	l&dgr	Siltstone, fresh			0.5	w			
28	29	l&dgr	Siltstone, fresh			0				
29	30	l&dgr	Siltstone, fresh			0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574471m	**Hole No**	RC99MT058
ate Commenced	24.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406625m	**Azimuth**	270 AMG
ate Completed	25.6.99	**Hole Depth**	85m	**RL**	326m	**Inclination**	60

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh			3	w	31	33	106892
31	32	lgr	Siltstone & Sandstone, fg, fresh			0		33	34	106893
32	33	lgr	Siltstone & Sandstone, fg, fresh			1	w	34	35	106894
33	34	lgr	Sandstone, fg & Siltstone, fresh			0		35	36	106895
34	35	lgr&kh	Siltstone & Sandstone, fg, fresh	0.5% asp/py		20	w gr	36	37	106896
35	36	lgr&kh	Siltstone & Sandstone, fg, fresh	3% cg asp/py		60	w	37	38	106897
36	37	lgr&kh	Siltstone & Sandstone, fg, fresh	3% cg asp/py		60	w	38	39	106898
37	38	lgr&kh	Siltstone, fresh	3% cg asp/py		50	w	39	40	106899
38	39	lgr&kh	Siltstone, fresh	3% asp/py		50	w gr	40	41	106900
39	40	lgr&kh	Siltstone, fresh	1% asp/py		3	w gr	41	42	106901
40	41	lgr	Siltstone, fresh	1% fg asp/py		70	gr w	42	43	106902
41	42	lgr&kh	Siltstone, fresh	0.5% asp/py		70	w	43	44	106903
42	43	lgr&kh	Siltstone, fresh	1% asp/py		50	w gr	44	45	106904
43	44	lgr	Siltstone, fresh	0.5% asp/py		30	w	45	46	106905
44	45	lgr	Siltstone, fresh			5	w	46	48	106906
45	46	lgr	Siltstone, fresh	Tr py/asp		30	w	48	49	106907
46	47	lgr	Siltstone, fresh			0		49	50	106908
47	48	lgr	Siltstone, fresh			0.5	w	50	51	106909
48	49	lgr	Siltstone, fresh	Tr py		5	w	51	53	106910
49	50	lgr	Siltstone, fresh	0.5% asp/py		20	w gr	53	54	106911
50	51	l&dgr	Siltstone & Shale?, black, fresh	0.5% py		15	w	54	55	106912
51	52	l&dgr	Siltstone, fresh			2	w	55	57	106913
52	53	l&dgr	Siltstone, fresh			10	w	57	59	106914
53	54	l&dgr	Siltstone, fresh			40	w	59	61	106915
54	55	l&dgr	Siltstone, fresh	0.5% py/asp		60	w gr			
55	56	l&dgr	Siltstone, fresh	Tr py		1	w			
56	57	l&dgr	Siltstone, fresh			0.5	w			
57	58	l&dgr	Siltstone & Sandstone, fg, fresh			3	w			
58	59	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py		1	w			
59	60	lgr&bl	Siltstone & Shale, fresh	Tr py		2	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574471m	**Hole No**	RC99MT058
ate Commenced	24.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5406625m	**Azimuth**	270 AMG
ate Completed	25.6.99	**Hole Depth**	85m	**RL**	326m	**Inclination**	60

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr&bl	Siltstone & Shale, fresh	Tr py		1	w	61	63	106916
61	62	lgr	Siltstone, fresh, tr ox, old workings nearby?			0		63	65	106917
62	63	lgr	Siltstone, fresh, tr ox, old workings nearby?			0		65	67	106918
63	64	lgr	Siltstone & Sandstone, fg, fresh, tr ox			1	w	67	69	106919
64	65	lgr	Siltstone & Sandstone, fg, fresh, tr ox			0		69	71	106920
65	66	l&dgr	Siltstone, fresh	0.5% py		0		71	73	106921
66	67	lgr	Siltstone, fresh	Tr py		0		73	76	106922
67	68	lgr	Siltstone, fresh			0		76	77	106923
68	69	lgr	Siltstone, fresh			0.5	w	77	79	106924
69	70	lgr	Siltstone, fresh	Tr py		1	w	79	81	106925
70	71	lgr	Siltstone, fresh			0		81	83	106926
71	72	l&dgr	Siltstone, fresh			0		83	85	106927
72	73	l&dgr	Siltstone, fresh			0				
73	74	l&dgr	Siltstone, fresh	Tr py		0				
74	75	l&dgr	Siltstone, fresh			0				
75	76	l&dgr	Siltstone, fresh			0.5	w			
76	77	l&dgr	Siltstone, fresh	Tr py/asp?		30	w			
77	78	l&dgr	Siltstone, fresh			1	w			
78	79	l&dgr	Siltstone, fresh			0				
79	80	lgr	Siltstone, fresh	1% py		0				
80	81	l&dgr	Siltstone, fresh			0.5	w			
81	82	lgr	Siltstone, fresh	Damp	Tr py	0.5	w			
82	83	lgr	Siltstone, fresh	Damp		0				
83	84	lgr	Siltstone, fresh	Damp		0				
84	85	lgr	Siltstone, fresh	Damp		1	w			
			EOH at 85m					Surveys		
								Depth	Azimuth	Inclination
								30	261	57
								60	266	56

4963143

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	***Geologist***	DG Jackson	**Easting**	574454m	**Hole No**	RC99MT059
Date Commenced	30.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5404404m	**Azimuth**	270 AMG
Date Completed	30.6.99	**Hole Depth**	85m	**RL**	326.5m	**Inclination**	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Siltstone, weathered			0		0	2	106928
1	2	lbr	Siltstone, weathered			0.5	w	2	4	106929
2	3	lbr	Siltstone, weathered			0		4	6	106930
3	4	lbr	Siltstone, weathered			0.5	fe w	6	8	106931
4	5	lbr	Siltstone, weathered			0		8	10	106932
5	6	lbr	Siltstone, weathered			0		10	12	106933
6	7	lbr	Siltstone, weathered			0		12	13	106934
7	8	lbr	Siltstone, weathered			0		13	14	106935
8	9	lbr	Siltstone, weathered			0		14	15	106936
9	10	ybr	Siltstone, weathered			0		15	16	106937
10	11	ybr	Siltstone, weathered			0.5	w fe	16	18	106938
11	12	ybr	Siltstone, weathered			0		18	19	106939
12	13	ybr	Siltstone, weathered			50	fe w gr	19	20	106940
13	14	ybr	Siltstone, weathered			20	fe w	20	21	106941
14	15	ybr	Siltstone, weathered	Tr su		30	w fe	21	22	106942
15	16	ybr	Siltstone, weathered	Tr su		15	w fe	22	23	106943
16	17	ybr	Siltstone, weathered			0		23	24	106944
17	18	ybr	Siltstone, weathered			1	w fe	24	26	106945
18	19	ybr&gr	Siltstone & Sandstone, fg, weathered			5	w fe	26	27	106946
19	20	ybr&gr	Siltstone & Sandstone, fg, weathered			10	w fe	27	28	106947
20	21	ybr&gr	Siltstone & Sandstone, fg, weathered	Tr su		40	w fe	28	29	106948
21	22	ybr&gr	Sandstone, fg & Siltstone, weathered			60	w fe	29	30	106949
22	23	ybr&gr	Sandstone, fg & Siltstone, partly weathered			30	w fe			
23	24	ybr&gr	Sandstone, fg & Siltstone, partly weathered			15	w fe			
24	25	ybr&gr	Sandstone, fg & Siltstone, partly weathered			5	w fe			
25	26	lgr	Sandstone, fg minor weathering			3	w fe			
26	27	lgr	Sandstone, fg minor weathering			1	w fe			
27	28	lgr	Sandstone, fg minor weathering	0.5% py		10	w fe			
28	29	l&dgr	Sandstone, fg & Siltstone, trace weathered	1% asp/py		25	w fe			
29	30	lgr	Sandstone, fresh	5% cg asp		90	w gr			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	***Geologist***	*DG Jackson*	**Easting**	574454m	**Hole No**	RC99MT059
Date Commenced	30.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5404404m	**Azimuth**	270 AMG
Date Completed	30.6.99	**Hole Depth**	85m	**RL**	326.5m	***Inclination***	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Sandstone, fresh	2% asp		90	w gr	30	31	106950
31	32	lgr	Sandstone, fg & Siltstone, fresh	2% asp		70	w gr	31	32	106951
32	33	lgr	Sandstone, fg & Siltstone, fresh	1% asp		20	w gr	32	33	106952
33	34	lgr	Sandstone, fg & Siltstone, fresh	2% asp/py		30	w gr	33	34	106953
34	35	lgr	Siltstone, fresh	Tr asp		3	w	34	35	106954
35	36	lgr	Siltstone, fresh	Tr py		3	w	35	36	106955
36	37	gr	Siltstone, fresh	0.5% py		2	w	36	38	106956
37	38	gr	Siltstone, fresh			1	w	38	40	106957
38	39	gr	Siltstone, fresh	0.5% py		0.5	w	40	42	106958
39	40	gr	Siltstone, fresh	0.5% py		5	w	42	44	106959
40	41	gr	Siltstone, fresh	0.5% py		10	w	44	46	106960
41	42	gr	Siltstone, fresh	0.5% py		0.5	w	46	48	106961
42	43	gr	Siltstone, fresh			0		48	50	106962
43	44	gr	Siltstone, fresh			0.5	w	50	52	106963
44	45	gr	Siltstone, fresh			0.5	w	52	54	106964
45	46	l&dgr	Siltstone & Sandstone, fg, fresh	0.5% py		5	w	54	55	106965
46	47	l&dgr	Siltstone & Sandstone, fg, fresh	0.5% py		3	w	55	57	106966
47	48	l&dgr	Siltstone & Sandstone, fg, fresh	0.5% py		3	w	57	59	106967
48	49	bl	Shale Fault?	Tr py		0.5	w	59	61	106968
49	50	l&dgr	Sandstone, fg & Siltstone, fresh			5	w			
50	51	lgr	Sandstone, fresh	Tr py		10	w			
51	52	lgr	Sandstone, fresh	Tr py		20	w			
52	53	lgr	Sandstone, fresh	Tr py		3	w			
53	54	lgr	Sandstone, fresh	Tr py		30	w			
54	55	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		70	w			
55	56	lgr	Sandstone, fg & Siltstone, fresh	Tr py		15	w			
56	57	lgr	Sandstone, fresh			10	w			
57	58	lgr	Sandstone, fresh			3	w			
58	59	lgr	Sandstone, fresh			3	w			
59	60	l&dgr	Sandstone, fg & Siltstone, fresh	0.5% py		10	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	*DG Jackson*	**Easting**	574454m	**Hole No**	RC99MT059
Date Commenced	30.6.99	**Drillers**	Diamond Drill Tas	**Northing**	5404404m	**Azimuth**	270 AMG
Date Completed	30.6.99	**Hole Depth**	85m	**RL**	326.5m	**Inclination**	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	*Siltstone & Sandstone, fg, fresh*	Tr py		15	w	61	63	106969
61	62	lgr	Sandstone, fg & Siltstone, fresh			5	w	63	64	106970
62	63	l&dgr	Siltstone & Sandstone, fg, fresh			10	w	64	65	106971
63	64	lgr	Sandstone, fresh	0.5% asp		30	w	65	66	106972
64	65	lgr	Sandstone, fresh	Tr asp		30	w	66	67	106973
65	66	lgr	Sandstone, fg & Siltstone, fresh	Tr py		10	w	67	69	106974
66	67	lgr	Sandstone, fg & Siltstone, fresh	1% cg asp		90	w	69	71	106975
67	68	lgr	*Sandstone, fresh*	0.5% py		5	w	71	72	106976
68	69	lgr	Sandstone, fresh			10	w	72	74	106977
69	70	lgr	Sandstone, fresh	Tr py		30	w	74	76	106978
70	71	lgr&kh	Siltstone & Sandstone, fg, fresh	Tr py		30	w	76	78	106979
71	72	lgr	Siltstone & Sandstone, fg, fresh	*0.5% py/asp*		50	w	78	80	106980
72	73	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py		30	w	80	82	106981
73	74	lgr	Sandstone, fg & Siltstone, fresh	Tr py		15	w	82	85	106982
74	75	lgr	Siltstone & Sandstone, fg, fresh	Tr py		20	w			
75	76	lgr	Sandstone, fg & Siltstone, fresh			1	w			
76	77	lgr	*Siltstone, fresh*			5	w			
77	78	lgr	Siltstone & Sandstone, fg, fresh			0				
78	79	lgr	Siltstone & Sandstone, fg, fresh			0				
79	80	l&dgr	Siltstone, fresh			0				
80	81	lgr	Siltstone & Sandstone, fg, fresh			5	w			
81	82	lgr	Siltstone & Sandstone, fg, fresh			0.5	w			
82	83	l&dgr	Siltstone & Sandstone, fg, fresh	Tr su		2	w			
83	84	lgr	*Siltstone, fresh*			0				
84	85	lgr	Siltstone & Sandstone, fg, fresh	Tr py		3	w	Surveys		
			EOH at 85m					Depth	Azimuth	Inclination
								30	262	48
								60	260	46.5
								72	265	46.5

4516148

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574475m	**Hole No**	RC99MT060
ıte Commenced	2.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406605m	**Azimuth**	270 AMG
ıte Completed	3.7.99	**Hole Depth**	103m	**RL**	326m	**Inclination**	60

Depth		Lithology					Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Transported O/B & Soil			20	w	0	2	106983
1	2	lbr	Transported O/B & Clay			25	w fe	2	4	106984
2	3	ybr	Sandstone, fg, & Siltstone, weathered			0		4	6	106985
3	4	ybr	Siltstone, weathered			0		6	8	106986
4	5	lbr	Siltstone & Sandstone, fg, weathered			0		8	10	106987
5	6	ybr	Siltstone, weathered			0		10	12	106988
6	7	ybr	Siltstone, weathered			5	fe w	12	14	106989
7	8	ybr	Siltstone, weathered			0		14	16	106990
8	9	ybr	Siltstone, weathered			0		16	17	106991
9	10	ybr	Siltstone, weathered			0		17	19	106992
10	11	ybr&gr	Siltstone, weathered			0		19	21	106993
11	12	ybr&gr	Siltstone, weathered			0		21	22	106994
12	13	ybr&gr	Siltstone, weathered			0		22	23	106995
13	14	ybr&gr	Siltstone, weathered			0		23	24	106996
14	15	ybr&gr	Siltstone, weathered			3	w fe	24	25	106997
15	16	ybr&gr	Siltstone, weathered			3	w fe	25	26	106998
16	17	ybr&gr	Siltstone, weathered	Tr su		70	w gr fe	26	27	106999
17	18	ybr&gr	Siltstone, weathered			3	w fe	27	28	107000
18	19	ybr	Siltstone, weathered			15	w fe	28	29	107251
19	20	ybr&gr	Siltstone, weathered			0		29	30	107252
20	21	lgr	Sandstone, fg, & Siltstone, weathered			10	w fe			
21	22	lgr	Siltstone, minor weathering	1% ox py		5	w fe			
22	23	lgr	Siltstone & Sandstone, fg, minor weathering	2% ox py		30	w gr			
23	24	lgr	Siltstone & Sandstone, fg, trace weathering	1% py		5	w gr			
24	25	lgr	Siltstone & Sandstone, fg, minor weathering	0.5% cg asp/py		70	w fe			
25	26	lgr	Siltstone & Sandstone, fg, minor weathering	1% py/asp		70	w fe			
26	27	lgr	Siltstone & Sandstone, fg, fresh	0.5% py/asp		90	w			
27	28	kh	Siltstone, fresh	0.5% py/asp		80	w			
28	29	kh	Siltstone, fresh	Tr py		60	w			
29	30	kh	Siltstone & Sandstone, fg, fresh	0.5% py		15	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	*DG Jackson*	**Easting**	574475m	**Hole No**	RC99MT060
ate Commenced	2.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406605m	**Azimuth**	270 AMG
ate Completed	3.7.99	**Hole Depth**	103m	**RL**	326m	**Inclination**	60

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone & Sandstone, fg, fresh			2	w	30	32	107253
31	32	lgr	Siltstone, fresh			0		32	34	107254
32	33	lgr	Siltstone, fresh	Tr py		0		34	36	107255
33	34	lgr	Siltstone & Sandstone, fg, fresh			3	w	36	38	107256
34	35	lgr	Sandstone, fg, & Siltstone, fresh	Tr su		2	w	38	39	107257
35	36	lgr&kh	Sandstone, fg, & Siltstone, fresh	Tr su		15	w	39	40	107258
36	37	lgr&kh	Siltstone, fresh	Tr su		0.5	w	40	41	107259
37	38	lgr	Siltstone, fresh			0		41	42	107260
38	39	lgr	Siltstone, fresh	1% asp/py		3	gr w	42	43	107261
39	40	kh	Siltstone, fresh	0.5% py		40	w	43	44	107262
40	41	lgr&kh	Siltstone & Sandstone, fg, fresh			2	w	44	45	107263
41	42	lgr&kh	Siltstone & Sandstone, fg, fresh	0.5% cg asp		50	w	45	46	107264
42	43	lgr&kh	Siltstone, fresh	1% cg asp/py		60	w	46	47	107265
43	44	kh	Siltstone, fresh	1% cg asp/py		90	w	47	48	107266
44	45	kh	Siltstone, fresh	1% cg asp/py		20	w	48	49	107267
45	46	kh	Siltstone, fresh	1% cg asp/py		60	w gr	49	50	107268
46	47	lgr&kh	Siltstone, fresh	0.5% cg asp		2	w	50	51	107269
47	48	kh	Siltstone & Sandstone, fg, fresh	0.5% cg asp		30	w	51	52	107270
48	49	kh	Siltstone, fresh	Tr su		30	w	52	53	107271
49	50	lgr&kh	Siltstone, fresh	1% asp/py		30	w gr	53	54	107272
50	51	lgr	Siltstone, fresh	1% asp		25	w gr	54	55	107273
51	52	lgr	Siltstone, fresh	0.5% asp/py		25	w	55	56	107274
52	53	lgr	Siltstone, fresh	0.5% asp/py		30	w	56	58	107275
53	54	lgr	Siltstone, fresh	1% asp/py		40	w	58	59	107276
54	55	lgr	Siltstone, fresh	3% py/asp		30	w	59	60	107277
55	56	lgr	Siltstone, fresh	0.5% asp/py		15	w			
56	57	lgr	Siltstone, fresh			15	w			
57	58	lgr	Siltstone, fresh	Tr py		10	w			
58	59	lgr	Siltstone, fresh	Tr py/asp		10	w			
59	60	lgr	Siltstone, fresh	1% fg asp/py		10	w			

4961560

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574475m	**Hole No**	RC99MT060
ıte Commenced	2.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406605m	**Azimuth**	270 AMG
ıte Completed	3.7.99	**Hole Depth**	103m	**RL**	326m	**Inclination**	60

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	1% fg asp/py		30	w	60	61	107278
61	62	lgr	Siltstone, fresh	1% asp/py		15	w	61	62	107279
62	63	lgr	Siltstone, fresh	0.5% fg asp/py		20	w	62	63	107280
63	64	lgr	Siltstone, fresh	3% fg asp/py		95	gr w	63	64	107281
64	65	gr	Quartz	3% fg asp/py		100	gr w	64	65	107282
65	66	gr	Quartz	5% asp/py		100	gr w	65	66	107283
66	67	gr	Siltstone, fresh	3% asp/py		95	gr w	66	67	107284
67	68	gr	Siltstone, fresh	3% asp/py		95	gr w	67	68	107285
68	69	kh	Siltstone, fresh	2% asp/py		60	w gr	68	69	107286
69	70	kh&gr	Siltstone, fresh	3% cg asp		50	w	69	70	107287
70	71	kh	Siltstone, fresh	Tr asp		15	w	70	71	107288
71	72	kh	Siltstone, fresh	0.5% py		1	w	71	73	107289
72	73	kh	Siltstone, fresh	0.5% py		1	w	73	75	107290
73	74	kh	Siltstone, fresh	0.5% py		2	w	75	77	107291
74	75	lgr&kh	Siltstone, fresh	Tr py		0.5	w	77	79	107292
75	76	lgr	Siltstone, fresh	Tr py		1	w	79	81	107293
76	77	lgr	Siltstone, fresh			0		81	83	107294
77	78	lgr	Siltstone, fresh	Tr py		0.5	w	83	85	107295
78	79	lgr	Siltstone, fresh	Tr py		1	w	85	87	107296
79	80	lgr	Siltstone, fresh			0		87	89	107297
80	81	lgr	Siltstone, fresh	Tr py		0		89	91	107298
81	82	lgr	Siltstone, fresh			0.5	w			
82	83	lgr	Siltstone, fresh			0				
83	84	lgr	Siltstone, fresh	Tr py		0				
84	85	lgr	Siltstone, fresh	Tr py		5	w			
85	86	lgr	Siltstone, fresh	Tr py		0				
86	87	lgr	Siltstone, fresh	0.5% py		0				
87	88	lgr	Siltstone, fresh	0.5% py		0				
88	89	lgr	Siltstone, fresh	Tr py		0				
89	90	lgr	Siltstone, fresh			0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574475m	**Hole No**	RC99MT060
ıte Commenced	2.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406605m	**Azimuth**	270 AMG
ıte Completed	3.7.99	**Hole Depth**	103m	**RL**	326m	**Inclination**	60

Depth		Lithology						Sampling		
om	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh	Tr py		0.5	w	91	93	107299
91	92	lgr	Siltstone, fresh	Tr py		0		93	95	107300
92	93	lgr	Siltstone, fresh	Tr py		0		95	97	107301
93	94	lgr	Siltstone, fresh	0.5% py		0		97	99	107302
94	95	lgr	Siltstone, fresh	Tr py		1	w	99	101	107303
95	96	lgr	Siltstone, fresh	Tr py		10	w	101	103	107304
96	97	lgr	Siltstone, fresh			0				
97	98	lgr	Siltstone, fresh			0				
98	99	lgr	Siltstone, fresh			0				
99	100	lgr	Siltstone, fresh			0				
00	101	lgr	Siltstone, fresh	0.5% py		3	w			
01	102	lgr	Siltstone, fresh			0				
02	103	lgr	Siltstone, fresh			0				
			EOH at 103m					Surveys		
								Depth	Azimuth	Inclination
								5	263	60.5
								30	264	60
								60	266	57.5
								90	266	55.5

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574489m	**Hole No**	RC99MT061
ate Commenced	3.7.99	**Drillers**	Diamond Drill Tas	***Northing***	5406565m	**Azimuth**	270 AMG
ate Completed	4.7.99	**Hole Depth**	90m	**RL**	326m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	*Description*	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Siltstone, weathered			2	w fe	0	2	107305
1	2	lbr	Siltstone, weathered			25	w fe	2	4	107306
2	3	lbr	Siltstone, weathered			0		4	6	107307
3	4	ybr	Siltstone, weathered			0		6	8	107308
4	5	lbr	Siltstone, weathered			2	w fe	8	10	107309
5	6	ybr	Siltstone, weathered			0		10	12	107310
6	7	lbr	Siltstone, weathered			0		12	14	107311
7	8	lbr	Siltstone, weathered			0		14	16	107312
8	9	lbr	Siltstone, weathered			0		16	18	107313
9	10	lbr	Siltstone, weathered			0		18	20	107314
10	11	lbr	Siltstone, weathered			0		20	22	107315
11	12	lbr	Siltstone, weathered			0		22	24	107316
12	13	lbr&gr	Siltstone, weathered			0		24	26	107317
13	14	lbr	Siltstone, weathered			0		26	28	107318
14	15	lbr&gr	Siltstone, partly weathered			0		28	29	107319
15	16	lbr&gr	Siltstone, partly weathered			0		29	30	107320
16	17	lbr&gr	Siltstone, partly weathered			0				
17	18	lbr&gr	Siltstone, partly weathered			0				
18	19	lbr&gr	Siltstone, partly weathered			0				
19	20	lbr&gr	Siltstone, partly weathered			0				
20	21	lbr&gr	Siltstone, partly weathered			0				
21	22	lbr&gr	Siltstone & Sandstone, fg, partly weathered			0				
22	23	lgr&br	Siltstone, partly weathered			0				
23	24	lgr	Siltstone & Sandstone, fg, minor weathering			0				
24	25	lgr	Siltstone & Sandstone, fg, minor weathering			0				
25	26	lgr	Siltstone, trace weathering	Tr py		0				
26	27	lgr	Sandstone, fg & Siltstone, trace weathering			0				
27	28	lgr	Siltstone, trace weathering			0				
28	29	lgr	Siltstone, trace weathering	Tr py		0				
29	30	lgr	Siltstone, fresh	1% cg asp/py		0				

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574489m	**Hole No**	RC99MT061
ate Commenced	3.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406565m	***Azimuth***	270 AMG
ate Completed	4.7.99	**Hole Depth**	90m	**RL**	326m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		10	w	30	31	107321
31	32	lgr	Siltstone & Sandstone, fg, fresh	Tr py		1	w	31	33	107322
32	33	lgr	Siltstone, fresh	Tr py		0.5	w	33	35	107323
33	34	lgr	Siltstone, fresh	Tr py		0		35	37	107324
34	35	lgr	Siltstone, fresh	Tr py		0		37	39	107325
35	36	lgr	Siltstone, fresh	Tr py		0		39	41	107326
36	37	lgr	Siltstone, fresh	Tr py		3	w	41	42	107327
37	38	lgr	Siltstone, fresh			2	w	42	43	107328
38	39	lgr	Siltstone, fresh	Tr py		3	w	43	44	107329
39	40	lgr	Siltstone & Sandstone, fg, fresh tr ox			5	w fe	44	46	107330
40	41	lgr	Siltstone, fresh tr ox			0.5	w	46	48	107331
41	42	lgr	Siltstone, fresh tr ox			2	w	48	50	107332
42	43	lgr	Siltstone, fresh tr ox	0.5% fg ox py/asp		15	w gr fe	50	52	107333
43	44	lgr	Siltstone, fresh tr ox	Tr ox py		5	w fe	52	54	107334
44	45	lgr	Siltstone, fresh tr ox			0		54	56	107335
45	46	lgr	Siltstone, fresh tr ox			0		56	58	107336
46	47	lgr	Siltstone, fresh tr ox			1	w	58	60	107337
47	48	lgr	Siltstone, fresh	Tr su		0				
48	49	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		15	w			
49	50	lgr	Siltstone, fresh	0.5% py		1	w			
50	51	lgr	Siltstone & Sandstone, fg, fresh	1% fg py		0				
51	52	lgr	Siltstone, fresh			0				
52	53	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0				
53	54	lgr	Siltstone & Sandstone, fg, fresh			0.5	w			
54	55	lgr	Siltstone, fresh	Tr py		0				
55	56	lgr	Siltstone, fresh			0				
56	57	l&dgr	Siltstone & Sandstone, fg, fresh	22% py		0.5	w			
57	58	lgr	Siltstone, fresh			0				
58	59	lgr	Siltstone, fresh	0.5% py		0				
59	60	lgr	Siltstone, fresh	Tr py		0.5	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ɔspect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574489m	**Hole No**	RC99MT061
te Commenced	3.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406565m	**Azimuth**	270 AMG
te Completed	4.7.99	**Hole Depth**	90m	**RL**	326m	**Inclination**	50

Depth		Lithology						Sampling		
om	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	61	lgr	Siltstone, fresh	0.5% fg py		20	w	60	61	107338
1	62	lgr	Siltstone, fresh	1% py/asp		80	w	61	62	107339
2	63	lgr	Siltstone, fresh	0.5% py/asp		50	w	62	63	107340
3	64	lgr	Siltstone, fresh	Tr py		3	w	63	65	107341
4	65	lgr&kh	Siltstone, fresh			0		65	67	107342
5	66	lgr	Siltstone, fresh			0		67	68	107343
6	67	lgr	Siltstone, fresh			0		68	69	107344
7	68	lgr	Siltstone, fresh	Tr py		25	w	69	70	107345
8	69	gr	Siltstone, fresh	2% fg py/asp		80	w gr	70	71	107346
9	70	gr	Siltstone, fresh	Tr py		50	w	71	72	107347
0	71	gr	Siltstone, fresh	Tr py		60	w	72	74	107348
1	72	gr	Siltstone, fresh	1% py		95	w	74	76	107349
2	73	lgr	Sandstone, fg & Siltstone, fresh	Tr su		3	w	76	78	107350
3	74	lgr	Sandstone, fg, fresh	0.5% py		5	w	78	80	107351
4	75	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		5	w	80	82	107352
5	76	lgr	Siltstone & Sandstone, fg, fresh	Tr py		10	w	82	84	107353
6	77	lgr	Siltstone, fresh			2	w	84	86	107354
7	78	lgr	Siltstone, fresh	Tr py		10	w	86	88	107355
8	79	gr	Siltstone, fresh			3	w	88	90	107356
9	80	gr	Siltstone, fresh			0				
0	81	gr	Siltstone, fresh			2	w			
1	82	gr	Siltstone, fresh			1	w			
2	83	lgr	Siltstone & Sandstone, fg, fresh			3	w			
3	84	lgr	Siltstone, fresh			1	w	Surveys		
4	85	lgr	Siltstone & Sandstone, fg, fresh			0				
5	86	lgr	Siltstone & Sandstone, fg, fresh			3	w	Depth	Azimuth	Inclination
6	87	lgr	Siltstone & Sandstone, fg, fresh			5	w			
7	88	lgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w	30	258	45
8	89	lgr	Siltstone, fresh			2	w	60	254	40
9	90	lgr	Siltstone, fresh EOH at 90m			0		90	252	38

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574483m	**Hole No**	RC99MT062
Date Commenced	4.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406545	**Azimuth**	270 AMG
Date Completed	5.7.99	**Hole Depth**	90m	**RL**	326m	**Inclination**	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Siltstone, weathered			10	w fe	0	2	107357
1	2	lbr	Siltstone, weathered			25	w fe	2	3	107358
2	3	lbr	Siltstone & Sandstone, fg, weathered			30	w fe	3	5	107359
3	4	lbr	Siltstone, weathered			0		5	7	107360
4	5	lbr	Siltstone, weathered			0		7	9	107361
5	6	ybr	Siltstone & Sandstone, fg, weathered			0		9	11	107362
6	7	lbr	Siltstone, weathered			0		11	13	107363
7	8	lbr&gr	Siltstone, weathered			0		13	15	107364
8	9	lbr&gr	Siltstone, weathered			0		15	16	107365
9	10	lbr&gr	Siltstone, weathered			0		16	18	107366
10	11	ybr	Siltstone & Sandstone, fg, weathered			1		18	20	107367
11	12	lbr	Siltstone, weathered			0		20	22	107368
12	13	lbr	Siltstone, weathered			0		22	23	107369
13	14	lbr	Siltstone, weathered			0		23	24	107370
14	15	lbr	Siltstone, weathered			1	w fe	24	25	107371
15	16	lbr	Siltstone & Sandstone, fg, weathered			10	fe w	25	26	107372
16	17	lbr	Siltstone, weathered			0		26	27	107373
17	18	lbr&gr	Siltstone, weathered			0		27	28	107374
18	19	lbr&gr	Siltstone, weathered			0		28	29	107375
19	20	ybr	Siltstone, weathered			0		29	31	107376
20	21	lbr	Siltstone & Sandstone, fg, weathered			0				
21	22	lbr&gr	Siltstone, weathered			0				
22	23	lgr&br	Siltstone, partly weathered		Py spots - ox	0				
23	24	lbr&gr	Siltstone, weathered			10	fe w			
24	25	lbr&gr	Siltstone, weathered			10	fe w			
25	26	lgr&br	Siltstone, partly weathered			3	fe w			
26	27	lgr&br	Siltstone, partly weathered			1	fe w			
27	28	lgr	Siltstone, trace weathering	1% cg asp/py		0				
28	29	lgr	Siltstone, trace weathering	1% cg py/asp		5	w			
29	30	lgr	Siltstone, trace weathering	Tr ox su		0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574483m	**Hole No**	RC99MT062
ate Commenced	4.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406545	**Azimuth**	270 AMG
ate Completed	5.7.99	**Hole Depth**	90m	**RL**	326m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone & Sandstone, fg, fresh	0.5% su		3	w	31	33	107377
31	32	lgr	Siltstone & Sandstone, fg, fresh			0		33	35	107378
32	33	lgr	Siltstone & Sandstone, fg, fresh			2	w	35	37	107379
33	34	lgr	Siltstone & Sandstone, fg, fresh			0		37	39	107380
34	35	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	39	41	107381
35	36	lgr	Siltstone & Sandstone, fg, fresh	Tr py		3	w	41	42	107382
36	37	lgr	Siltstone & Sandstone, fg, fresh			0		42	43	107383
37	38	lgr	Siltstone, fresh	Tr py		0		43	44	107384
38	39	lgr	Siltstone, fresh	1% py		3	w	44	45	107385
39	40	lgr	Siltstone, fresh	0.5% py		3	w	45	47	107386
40	41	lgr	Siltstone, fresh	0.5% py		3	w	47	49	107387
41	42	lgr	Siltstone, fresh	1% fg py/asp?		15	w gr	49	51	107388
42	43	lgr	Siltstone, fresh	1% fg py/asp?		80	gr w	51	53	107389
43	44	gr	Siltstone, fresh	1% fg py/asp?		70	gr w	53	55	107390
44	45	dgr	Siltstone, fresh			5	w gr	55	57	107391
45	46	dgr	Siltstone, fresh			1	w	57	59	107392
46	47	dgr	Siltstone, fresh			0		59	61	107393
47	48	dgr	Siltstone, fresh			0				
48	49	dgr	Siltstone, fresh	0.5% py		1	w			
49	50	dgr	Siltstone, fresh	Tr py		0				
50	51	dgr	Siltstone, fresh	Tr py		0				
51	52	dgr	Siltstone, fresh			0				
52	53	dgr	Siltstone, fresh			0				
53	54	lgr	Siltstone & Sandstone, fg, fresh	1% py dissem in seds		3	gr w			
54	55	lgr	Sandstone, fg & Siltstone, fresh	1% py dissem in seds		1	gr w			
55	56	lgr	Sandstone, fg & Siltstone, fresh	0.5% py dissem in seds		0.5	w			
56	57	lgr	Sandstone, fg & Siltstone, fresh	0.5% py dissem in seds		1	w			
57	58	lgr	Siltstone & Sandstone, fg, fresh	Tr su		3	w			
58	59	lgr	Siltstone & Sandstone, fg, fresh			0				
59	60	lgr	Siltstone, fresh	Tr py		0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574483m	**Hole No**	RC99MT062
ıte Commenced	4.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406545	**Azimuth**	270 AMG
ıte Completed	5.7.99	**Hole Depth**	90m	**RL**	326m	**Inclination**	50

Depth		Lithology						Sampling		
om	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		3	w	61	63	107394
61	62	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		15	w	63	65	107395
62	63	gr	Siltstone & Sandstone, fg, fresh			3	w	65	67	107396
63	64	l&dgr	Siltstone, fresh	Tr py		3	w	67	69	107397
64	65	dgr	Siltstone, fresh			1	w	69	71	107398
65	66	lgr	Sandstone, fg & Siltstone, fresh			0		71	73	107399
66	67	lgr	Sandstone, fg & Siltstone, fresh			5	w	73	75	107400
67	68	lgr	Siltstone & Sandstone, fg, fresh	Tr su		2	w	75	77	107401
68	69	lgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w	77	79	107402
69	70	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		0.5	w	79	81	107403
70	71	gr	Siltstone, fresh	Tr su		1	w	81	83	107404
71	72	gr	Siltstone, fresh			1	w	83	85	107405
72	73	gr	Sandstone, fg & Siltstone, fresh			1	w	85	87	107406
73	74	gr	Siltstone & Sandstone, fg, fresh			20	w	87	90	107407
74	75	lgr	Sandstone, fg & Siltstone, fresh			5	w			
75	76	gr	Sandstone, fg & Siltstone, fresh			3	w			
76	77	lgr	Siltstone & Sandstone, fg, fresh			10	w			
77	78	lgr	Sandstone, fg & Siltstone, fresh			2	w			
78	79	gr	Sandstone, fg & Siltstone, fresh			2	w			
79	80	lgr	Sandstone, fg & Siltstone, fresh			10	w			
80	81	gr	Sandstone, fg & Siltstone, fresh			10	w			
81	82	gr	Siltstone & Sandstone, fg, fresh			10	w			
82	83	lgr	Siltstone & Sandstone, fg, fresh			5	w			
83	84	gr	Siltstone, fresh			2	w	Surveys		
84	85	gr	Siltstone, fresh			5	w			
85	86	gr	Siltstone, fresh			0		Depth	Azimuth	Inclination
86	87	gr	Siltstone, fresh	Tr py		1	w	30	260	45
87	88	gr	Siltstone, fresh			3	w	60	259	42.5
88	89	lgr	Siltstone, fresh	0.5% py		3	w	90	258	41.5
89	90	lgr	Siltstone, fresh EOH at 90m			0				

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574540m	**Hole No**	RC99MT063
ıte Commenced	6.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406785m	**Azimuth**	270 AMG
ıte Completed	6.7.99	**Hole Depth**	55m	**RL**	307.5m	**Inclination**	55

Depth		Lithology						Sampling		
om	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr&gr	Tailings					0	2	107408
1	2	lbr&gr	Tailings					2	4	107409
2	3	lbr&gr	Tailings					4	6	107410
3	4	br	Tailings & Clay					6	8	107411
4	5	br	Siltstone, weathered & Clay - Surface Lag			40	w fe	8	9	107412
5	6	br	Siltstone, weathered & Clay			20	w fe	9	10	107413
6	7	br	Siltstone, weathered			5	w fe	10	12	107414
7	8	ybr	Siltstone, weathered			2	w fe	12	14	107415
8	9	ybr	Siltstone, weathered			5	w fe	14	16	107416
9	10	ybr	Siltstone, weathered			20	w gr fe	16	18	107417
10	11	lgr&br	Siltstone, partly weathered			0		18	20	107418
11	12	lgr&br	Siltstone, partly weathered	Tr su		5	w fe	20	22	107419
12	13	lgr	Siltstone, trace weathering			10	w fe	22	24	107420
13	14	lgr	Siltstone, fresh - trace contamination	Tr py		2	w fe	24	25	107421
14	15	lgr	Siltstone, fresh - trace contamination			0		25	26	107422
15	16	lgr	Siltstone, fresh - trace contamination			1	w	26	27	107423
16	17	lgr	Siltstone, fresh - trace contamination			0		27	28	107424
17	18	lgr	Siltstone, fresh - trace contamination			0		28	30	107425
18	19	lgr	Siltstone, fresh - trace contamination			0				
19	20	lgr	Siltstone & Sandstone, fg, fresh			0				
20	21	lgr	Siltstone & Sandstone, fg, fresh - trace contamination			0				
21	22	lgr	Siltstone & Sandstone, fg, fresh - trace contamination	1% py		0				
22	23	lgr	Siltstone & Sandstone, fg, fresh - trace contamination			0				
23	24	lgr	Siltstone, fresh	Tr py		1	w			
24	25	lgr&kh	Siltstone, fresh	2% fg asp/py		30	w gr			
25	26	lgr&kh	Siltstone, fresh	3% fg asp/py		80	w gr			
26	27	lgr&kh	Siltstone, fresh	3% fg asp/py		40	gr w			
27	28	lgr&kh	Siltstone, & Sandstone, fg, fresh	Tr py		0				
28	29	lgr	Siltstone, fresh	Tr py		1	w			
29	30	lgr&kh	Siltstone, & Sandstone, fg, fresh	Tr py		5	w			

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574540m	**Hole No**	RC99MT063
Date Commenced	6.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406785m	**Azimuth**	270 AMG
Date Completed	6.7.99	**Hole Depth**	55m	**RL**	307.5m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh	Tr py		0		30	32	107426
31	32	lgr	Siltstone, fresh	0.5% py		0		32	33	107427
32	33	lgr&kh	Siltstone, fresh	1% fg asp/py		50	gr w	33	34	107428
33	34	lgr	Siltstone, fresh	Tr su		2	w	34	35	107429
34	35	lgr	Siltstone, & Sandstone, fg, fresh	0.5% py/asp?		15	w	35	36	107430
35	36	lgr	Siltstone, & Sandstone, fg, fresh			1	w	36	37	107431
36	37	lgr	Siltstone, fresh	0.5% py/asp?		2	gr	37	38	107432
37	38	lgr&kh	Siltstone, fresh	1% fg py/asp?		30	gr w	38	39	107433
38	39	lgr&kh	Siltstone, fresh	1% fg py/asp?		25	w gr	39	40	107434
39	40	lgr	Siltstone, fresh	0.5% fg py/asp?		5	w gr	40	41	107435
40	41	lgr	Siltstone, fresh			0		41	42	107436
41	42	lgr	Siltstone, fresh	0.5% py/asp?		3	w gr	42	44	107437
42	43	lgr	Siltstone, fresh	Tr py		5	w	44	46	107438
43	44	lgr	Siltstone, fresh	Tr py		0		46	48	107439
44	45	lgr	Siltstone, fresh			0		48	50	107440
45	46	lgr&kh	Siltstone, fresh			3	w	50	52	107441
46	47	lgr	Siltstone, & Sandstone, fg, fresh			0		52	55	107442
47	48	lgr	Siltstone, & minor sandstone, fg, fresh			3	w			
48	49	lgr	Siltstone, fresh			2	w			
49	50	lgr	Siltstone, & Sandstone, fg, fresh		Silicified	2	w			
50	51	lgr	Siltstone, fresh			3	w			
51	52	lgr	Siltstone, fresh			0				
52	53	lgr	Siltstone, fresh			0				
53	54	lgr	Siltstone, fresh			0				
54	55	lgr	Siltstone, fresh			0				
			EOH at 55m							

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574627m	**Hole No**	RC99MT064
te Commenced	7.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406573m	**Azimuth**	265 AMG
te Completed	9.7.99	**Hole Depth**	145m	**RL**	307.5m	**Inclination**	60

Depth		Lithology						Sampling		
om	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br&gr	Clay - Slimes					0	2	107443
1	2	br&gr	Clay - Slimes					2	4	107444
2	3	br&gr	Clay - Slimes					4	6	107445
3	4	br&gr	Clay - Slimes					6	8	107446
4	5	rbr&gr	Clay - Slimes					8	10	107447
5	6	rbr&gr	Clay - Slimes					10	12	107448
6	7	ybr	Clay & Siltstone, weathered			2	w fe	12	14	107449
7	8	ybr	Siltstone, weathered			0		14	16	107450
8	9	ybr	Siltstone, weathered			0		16	18	107451
9	10	ybr	Siltstone, weathered			0		18	20	107452
10	11	ybr	Siltstone, weathered			0		20	22	107453
11	12	ybr	Siltstone, weathered			0		22	24	107454
12	13	ybr	Siltstone, weathered			0		24	26	107455
13	14	ybr	Siltstone, weathered			0		26	27	107456
14	15	ybr	Siltstone, weathered			0		27	28	107457
15	16	ybr	Siltstone, weathered			0		28	29	107458
16	17	ybr	Siltstone, weathered			1	w fe	29	31	107459
17	18	ybr&gr	Siltstone, weathered			1	w fe			
18	19	lgr	Siltstone, minor weathering			0				
19	20	lgr&br	Siltstone, partly weathered			0				
20	21	lbr	Siltstone, weathered			1	w fe			
21	22	lbr	Siltstone, weathered			0				
22	23	lbr	Siltstone, weathered			0				
23	24	lgr&br	Siltstone, partly weathered			0				
24	25	lbr&gr	Siltstone, weathered			0				
25	26	lgr&br	Siltstone & Sandstone, fg, weathered			0				
26	27	lbr	Siltstone & Sandstone, fg, weathered			40	w fe			
27	28	lbr	Siltstone, weathered			40	w fe			
28	29	lbr	Siltstone, weathered			5	w fe			
29	30	lbr	Siltstone, weathered			0.5	w fe			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574627m	**Hole No**	RC99MT064
Date Commenced	7.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406573m	**Azimuth**	265 AMG
Date Completed	9.7.99	**Hole Depth**	145m	**RL**	307.5m	**Inclination**	60

Depth		Lithology					Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lbr&gr	Siltstone, weathered			0.5	w fe	31	32	107460
31	32	lgr&br	Siltstone, weathered			20	w fe	32	33	107461
32	33	lgr&br	Siltstone & Sandstone, fg, weathered			60	w fe	33	34	107462
33	34	lgr&br	Siltstone, partly weathered	Tr su		15	w fe gr	34	36	107463
34	35	lgr&br	Siltstone, partly weathered			2	w fe	36	37	107464
35	36	lgr	Siltstone, minor weathering			2	w fe	37	38	107465
36	37	lgr	Siltstone & Sandstone, fg, minor weathering			10	w fe	38	40	107466
37	38	lgr	Siltstone & Sandstone, fg, minor weathering	0.5% cg asp		10	w fe gr	40	42	107467
38	39	lgr	Siltstone & Sandstone, fg, minor weathering			3	w fe	42	44	107468
39	40	lgr	Siltstone & Sandstone, fg, minor weathering			10	w	44	46	107469
40	41	lgr	Siltstone & Sandstone, fg, fresh			2	w	46	48	107470
41	42	lgr	Siltstone & Sandstone, fg, fresh			5	w	48	50	107471
42	43	lgr	Sandstone, fg & Siltstone, fresh	Tr su		5	w	50	52	107472
43	44	lgr	Sandstone, fg & Siltstone, fresh			5	w	52	54	107473
44	45	lgr	Sandstone, fg & Siltstone, fresh			5	w	54	56	107474
45	46	lgr	Siltstone, fresh			2	w	56	58	107475
46	47	lgr	Siltstone, fresh			0.5	w	58	60	107476
47	48	lgr	Siltstone, fresh			0.5	w			
48	49	lgr	Siltstone, fresh			0				
49	50	lgr	Sandstone, fg, fresh			1	w			
50	51	lgr	Sandstone, fg & Siltstone, fresh			10	w			
51	52	lgr	Siltstone, fresh			0				
52	53	lgr	Siltstone, fresh			0				
53	54	lgr	Siltstone & Sandstone, fg, fresh			0.5	w			
54	55	lgr	Siltstone, fresh			0				
55	56	lgr	Siltstone, fresh			0				
56	57	lgr	Siltstone, fresh			0				
57	58	lgr	Siltstone & Sandstone, fg, fresh			0				
58	59	lgr	Siltstone, fresh			0				
59	60	lgr	Siltstone & Sandstone, fg, fresh			1	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574627m	**Hole No**	RC99MT064
ate Commenced	7.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406573m	***Azimuth***	265 AMG
ate Completed	9.7.99	**Hole Depth**	145m	**RL**	307.5m	**Inclination**	60

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	Tr py		0		60	61	107477
61	62	lgr	Siltstone, fresh	0.5% asp/py		1	w	61	62	107478
62	63	lgr	Siltstone, fresh	Tr py		0		62	63	107479
63	64	lgr	Siltstone, fresh	1% py/asp		3	w	63	64	107480
64	65	lgr	Siltstone, fresh	0.5% py		5	w	64	65	107481
65	66	lgr	Siltstone, fresh	0.5% asp/py		10	w	65	66	107482
66	67	lgr	Siltstone, fresh	Tr py		1	w gr	66	68	107483
67	68	lgr	Siltstone, fresh			2	w	68	70	107484
68	69	lgr	Siltstone, fresh			0		70	72	107485
69	70	lgr	Siltstone, fresh			0		72	74	107486
70	71	lgr	Siltstone, fresh			0		74	76	107487
71	72	cm	Siltstone, fresh	Tr su	bleached	0.5	w	76	78	107488
72	73	cm	Siltstone, fresh		bleached	0.5	w	78	80	107489
73	74	cm&lgr	Siltstone, fresh			0		80	82	107490
74	75	lgr	Siltstone, fresh			0		82	84	107491
75	76	lgr	Sandstone, fg & Siltstone, fresh			0		84	86	107492
76	77	lgr	Siltstone & minor sandstone, fg, fresh		Py spotting	0		86	88	107493
77	78	lgr	Siltstone, fresh			0		88	90	107494
78	79	lgr	Siltstone, fresh			0				
79	80	lgr	Siltstone, fresh			3	w			
80	81	lgr	Siltstone, fresh			0.5	w			
81	82	lgr	Siltstone, fresh	Tr py		3	w			
82	83	lgr	Siltstone, fresh			1	w			
83	84	gr	Siltstone, fresh			0				
84	85	gr	Siltstone, fresh			0				
85	86	lgr	Siltstone, fresh			1	w			
86	87	lgr	Siltstone, fresh			0				
87	88	lgr	Siltstone, fresh			0				
88	89	lgr	Siltstone, fresh			0				
89	90	lgr	Siltstone, fresh			0				

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574627m	**Hole No**	RC99MT064
Date Commenced	7.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406573m	**Azimuth**	265 AMG
Date Completed	9.7.99	**Hole Depth**	145m	**RL**	307.5m	**Inclination**	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh			0		90	92	107495
91	92	lgr	Siltstone, fresh			1	w	92	93	107496
92	93	lgr	Siltstone, fresh	Tr asp		1	w	93	94	107497
93	94	l&dgr	Siltstone, fresh	0.5% asp/py		10	w	94	95	107498
94	95	dgr	Siltstone, fresh	0.5% asp/py		3	w	95	97	107499
95	96	dgr	Siltstone, fresh	Tr su		3	w	97	98	107500
96	97	dgr	Siltstone, fresh	0.5% py		3	w	98	99	107501
97	98	dgr	Siltstone, fresh	Tr py		0		99	101	107502
98	99	dgr	Siltstone, fresh	0.5% py		5	w gr	101	103	107503
99	100	gr	Siltstone, fresh	Tr py		1	w	103	105	107504
100	101	gr	Siltstone, fresh	Tr py		5		105	107	107505
101	102	gr	Siltstone, fresh			0.5		107	109	107506
102	103	gr	Siltstone, fresh	Tr py		1		109	111	107507
103	104	gr	Siltstone, fresh			0.5		111	112	107508
104	105	gr	Siltstone, fresh			0		112	113	107509
105	106	gr	Siltstone, fresh	Tr py		0		113	114	107510
106	107	gr	Siltstone, fresh	0.5% py		1		114	115	107511
107	108	gr	Siltstone, fresh			0		115	116	107512
108	109	gr	Siltstone, fresh	Tr py		0		116	117	107513
109	110	gr	Siltstone, fresh	Tr py		3		117	118	107514
110	111	gr	Siltstone, fresh	Tr py		0.5		118	119	107515
111	112	gr	Siltstone, fresh	Tr py		2		119	120	107516
112	113	gr	Siltstone, fresh	Tr py/asp		5				
113	114	gr	Siltstone, fresh	2% fg py/asp? 1 vg		20				
114	115	gr	Siltstone, fresh	1% py/asp		50				
115	116	gr	Siltstone, fresh	0.5% py		2				
116	117	dgr	Siltstone, fresh	Tr py		0				
117	118	gr	Siltstone, fresh	1% py/asp		25				
118	119	gr	Siltstone, fresh	1% py/asp		10				
119	120	lgr	Siltstone, fresh	Tr py		5				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574627m	**Hole No**	RC99MT064
te Commenced	7.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406573m	**Azimuth**	265 AMG
te Completed	9.7.99	**Hole Depth**	145m	**RL**	307.5m	**Inclination**	60

Depth		Lithology						Sampling		
om	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
120	121	lgr	Siltstone, fresh	1%cg asp/py 1 vg		5		120	121	107517
121	122	lgr	Siltstone, fresh	0.5% py/asp		5		121	122	107518
122	123	gr	Siltstone, fresh	Tr su		2		122	123	107519
123	124	gr	Siltstone, fresh			0.5		123	125	107520
124	125	gr	Siltstone, fresh	Tr py		0.5		125	127	107521
125	126	gr	Siltstone, fresh			0		127	129	107522
126	127	gr	Siltstone, fresh	Tr py		0.5		129	131	107523
127	128	gr	Siltstone, fresh	1% py		0.5		131	133	107524
128	129	gr	Siltstone, fresh	Tr py		3		133	135	107525
129	130	gr	Siltstone, fresh			1		135	137	107526
130	131	gr	Siltstone, fresh	Tr py		0		137	139	107527
131	132	gr	Siltstone, fresh	Tr py		3		139	141	107528
132	133	gr	Siltstone, fresh			5		141	143	107529
133	134	dgr	Siltstone, fresh	Tr py		0		143	145	107530
134	135	dgr	Siltstone, fresh	Tr py		0				
135	136	gr	Siltstone, fresh	0.5% py		5				
136	137	dgr	Siltstone, fresh	Tr py		3		Surveys		
137	138	dgr	Siltstone, fresh	Tr py		0				
138	139	dgr	Siltstone, fresh	Tr py		0		Depth	Azimuth	Inclination
139	140	dgr	Siltstone, fresh	0.5% py		0.5				
140	141	dgr	Siltstone, fresh	0.5% py		5		30	253	58.5
141	142	dgr	Siltstone, fresh	0.5% py		5		60	255	55.5
142	143	dgr	Siltstone, fresh	1% py		3		90	256	50
143	144	dgr	Siltstone, fresh	1% py		0		120	258.5	48.5
144	145	bl	Shale & Siltstone, fresh	1% py		0				
			EOH at 145m - Hole drilled approx 8m off section to the north and angled back to the plane of the section because the original							
			cemented collar site on dam bank became too boggy to get back on to and had to be abandoned.							

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574626m	**Hole No**	RC99MT065
ate Commenced	9.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406573m	**Azimuth**	265 AMG
ate Completed	10.7.99	**Hole Depth**	114m	**RL**	307.5m	**Inclination**	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Clay Tails & Slimes					0	3	109531
1	2	br	Clay Tails & Slimes					3	5	109532
2	3	br	Clay Tails & Slimes					5	7	109533
3	4	rbr	Clay & Siltstone, weathered Tails & Slimes			30	w fe	7	9	109534
4	5	rbr	Clay & Siltstone, weathered Tails & Slimes			10	w fe	9	11	109535
5	6	rbr	Clay & Siltstone, weathered Tails & Slimes			2	w fe	11	13	109536
6	7	br&gr	Clay & Siltstone, weathered Tails & Slimes			2	w fe	13	15	109537
7	8	lbr	Clay & Siltstone, weathered			2	w fe	15	17	109538
8	9	lbr	Siltstone, weathered			1	w fe	17	18	109539
9	10	lbr	Siltstone, weathered			0		18	19	109540
10	11	lbr	Siltstone, weathered			0		19	20	109541
11	12	lbr	Siltstone & Sandstone, fg, weathered			0		20	22	109542
12	13	lbr	Siltstone & Sandstone, fg, weathered			0		22	24	109543
13	14	lbr	Siltstone & Sandstone, fg, weathered			0		24	26	109544
14	15	lbr	Siltstone & Sandstone, fg, weathered			0		26	28	109545
15	16	lbr	Siltstone & Sandstone, fg, weathered			0		28	30	109546
16	17	lgr&br	Siltstone, partly weathered	Tr py		0				
17	18	lbr	Siltstone, weathered			0				
18	19	lbr	Siltstone, weathered			40	fe w			
19	20	lbr	Siltstone, weathered			2	w fe			
20	21	lbr	Siltstone, weathered			0				
21	22	lbr	Siltstone, weathered			0				
22	23	lbr	Siltstone, weathered			1	w			
23	24	lbr	Siltstone, weathered, fault?, high water flow from MT064			0				
24	25	lbr	Siltstone, weathered			0				
25	26	lgr	Siltstone, minor weathering			0				
26	27	lgr	Siltstone, minor weathering			0				
27	28	lbr&gr	Siltstone, weathered			0				
28	29	lbr&gr	Siltstone, weathered			3	fe w			
29	30	lbr&gr	Siltstone, weathered			1	w fe			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574626m	**Hole No**	RC99MT065
ate Commenced	9.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406573m	**Azimuth**	265 AMG
ate Completed	10.7.99	**Hole Depth**	114m	**RL**	307.5m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, minor weathering			1	w fe	30	31	107547
31	32	lgr&br	Siltstone, partly weathered			5	fe w	31	32	107548
32	33	lbr&gr	Siltstone, weathered	Tr su		70	w fe	32	33	107549
33	34	lbr	Siltstone, weathered			15	fe w	33	34	107550
34	35	lgr&br	Siltstone, partly weathered			2	w fe	34	36	107551
35	36	lgr&br	Siltstone, minor weathering	Tr su		2	w gr	36	38	107552
36	37	lgr&br	Siltstone, minor weathering			0		38	40	107553
37	38	lgr	Siltstone, trace weathering			1	w fe	40	42	107554
38	39	lgr	Siltstone, trace weathering			0.5	w	42	44	107555
39	40	lgr&br	Siltstone, partly weathered			1	w fe	44	45	107556
40	41	lgr&br	Siltstone, partly weathered			1	w fe	45	47	107557
41	42	lgr	Siltstone, trace weathering	Tr py/asp?		2	w gr	47	49	107558
42	43	lgr	Siltstone, partly weathered			0.5	w	49	50	107559
43	44	lgr	Siltstone & Sandstone, fg, trace weathering			0		50	51	107560
44	45	lbr&gr	Siltstone, weathered			20	w fe	51	52	107561
45	46	lgr	Sandstone, fg & Siltstone, minor weathering			2	w	52	53	107562
46	47	lgr&br	Siltstone, partly weathered			2	fe w	53	54	107563
47	48	lgr	Siltstone, minor weathering			0.5	fe w	54	56	107564
48	49	lgr	Siltstone, trace weathering			0		56	57	107565
49	50	lgr&br	Siltstone, partly weathered			0		57	58	107566
50	51	lbr	Siltstone, weathered			60	w fe	58	59	107567
51	52	lbr	Siltstone, weathered			70	w fe	59	60	107568
52	53	lbr	Siltstone, weathered			30	w fe			
53	54	lgr	Sandstone, fg & Siltstone, minor weathering			10	w			
54	55	lgr	Sandstone, fg & Siltstone, trace weathering			1	w			
55	56	lgr	Sandstone, fg & Siltstone, fresh			40	w			
56	57	lgr	Siltstone & Sandstone, fg, fresh			0				
57	58	lgr	Siltstone & Sandstone, fg, fresh	0.5% py/asp		5	w gr			
58	59	lgr	Siltstone, fresh	3% cg asp		80	w gr			
59	60	lgr	Siltstone, fresh	1% cg asp/py		5	w gr			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574626m	**Hole No**	RC99MT065
ate Commenced	9.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406573m	**Azimuth**	265 AMG
ate Completed	10.7.99	**Hole Depth**	114m	**RL**	307.5m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	0.5%py/asp		5	w	60	61	107569
61	62	lgr	Siltstone & Sandstone, fg, fresh	Tr py/asp		10	w	61	62	107570
62	63	lgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w	62	64	107571
63	64	lgr	Siltstone, fresh	Tr py		0.5	w	64	66	107572
64	65	lgr	Siltstone & Sandstone, fg, fresh	Tr py		10	w	66	67	107573
65	66	lgr	Siltstone, fresh	Tr py		1	w	67	69	107574
66	67	lgr	Siltstone, fresh	0.5% asp in seds	Py spotting	5	w	69	71	107575
67	68	lgr	Siltstone & Sandstone, fg, fresh	Tr py		3	w	71	73	107576
68	69	lgr	Siltstone, fresh			3	w	73	74	107577
69	70	lgr	Siltstone & Sandstone, fg, fresh			1	w	74	75	107578
70	71	lgr&cm	Siltstone & Sandstone, fg, fresh			2	w	75	76	107579
71	72	lgr	Siltstone & Sandstone, fg, fresh			1	w	76	77	107580
72	73	lgr&cm	Siltstone & Sandstone, fg, fresh	Tr su		1	w	77	78	107581
73	74	lgr	Siltstone & Sandstone, fg, fresh	1% py/asp		10	w	78	79	107582
74	75	cm&lgr	Sandstone, fg & Siltstone, fresh			0		79	81	107583
75	76	lgr	Siltstone, fresh	2% cg asp/py		30	w	81	83	107584
76	77	lgr	Siltstone, fresh	0.5% cg asp/py		5	w	83	85	107585
77	78	lgr	Siltstone, fresh	1% cg asp in seds		20	w	85	87	107586
78	79	lgr	Siltstone, fresh	Tr su		10	w	87	89	107587
79	80	lgr	Siltstone, fresh	Tr py		2	w	89	91	107588
80	81	lgr	Siltstone, fresh			0.5	w			
81	82	lgr	Siltstone, fresh	Tr py		1	w			
82	83	cm&lgr	Sandstone, fg & Siltstone, fresh			0				
83	84	lgr	Siltstone, fresh			1	w			
84	85	lgr	Siltstone, fresh	Tr py		3	w			
85	86	lgr	Siltstone, fresh	Tr py		20	w			
86	87	lgr	Siltstone, fresh			1	w			
87	88	lgr	Siltstone, fresh			0				
88	89	lgr&cm	Siltstone & Sandstone, fg, fresh			0				
89	90	lgr	Siltstone, fresh	Tr py		1	w			

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574626m	**Hole No**	RC99MT065
ate Commenced	9.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406573m	**Azimuth**	265 AMG
ate Completed	10.7.99	**Hole Depth**	114m	**RL**	307.5m	**Inclination**	50

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh	Tr py		0.5	w	91	93	107589
91	92	lgr&cm	Siltstone & Sandstone, fg, fresh			5	w	93	95	107590
92	93	lgr	Siltstone & minor sandstone, fg, fresh			0.5	w	95	96	107591
93	94	lgr	Siltstone, fresh			0		96	98	107592
94	95	lgr	Siltstone, fresh	0.5% py		0		98	100	107593
95	96	lgr&g	Siltstone, fresh	Tr asp		25	w gr	100	102	107594
96	97	lgr	Siltstone, fresh			3	w	102	104	107595
97	98	lgr	Siltstone & Sandstone, fg, fresh			2	w	104	106	107596
98	99	lgr	Siltstone, fresh			0		106	108	107597
99	100	lgr	Siltstone, fresh			0		108	110	107598
100	101	lgr	Siltstone, fresh			0		110	112	107599
101	102	lgr	Siltstone, fresh	0.5% py		5	w	112	114	107600
102	103	lgr	Siltstone, fresh	0.5% py		5	w			
103	104	lgr	Siltstone, fresh	Tr py		2	w			
104	105	gr	Siltstone, fresh	0.5% py		0				
105	106	gr	Siltstone, fresh			0				
106	107	gr	Siltstone, fresh	Tr py		1	w			
107	108	gr	Siltstone, fresh	Tr py		2	w			
108	109	gr	Siltstone, fresh			0				
109	110	gr	Siltstone, fresh			0				
110	111	gr	Siltstone, fresh			0				
111	112	lgr	Siltstone & Sandstone, fg, fresh			2	w			
112	113	lgr	Siltstone, fresh			2	w			
113	114	lgr	Siltstone, fresh			0.5	w	Surveys		
			EOH at 114m					Depth	Azimuth	Inclination
								30	254	46
								60	252	42
								90	250	34

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574560m	**Hole No**	RC99MT066
ate Commenced	11.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406785m	**Azimuth**	270 AMG
ate Completed	12.7.99	**Hole Depth**	85m	**RL**	307.1m	**Inclination**	55

Depth		Lithology					Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Tailings					0	2	107601
1	2	lbr	Tailings					2	4	107602
2	3	lbr	Tailings					4	6	107603
3	4	lbr	Tailings					6	8	107604
4	5	lbr&gr	Clay & Tailings					8	10	107605
5	6	br	Clay & Siltstone, weathered			5	w fe	10	11	107606
6	7	br	Clay & Siltstone, weathered			2	w fe	11	12	107607
7	8	ybr	Siltstone, weathered			1	w	12	13	107608
8	9	ybr	Siltstone, weathered			0.5	w	13	15	107609
9	10	ybr	Siltstone, weathered			5	w	15	17	107610
10	11	ybr	Siltstone, weathered			10	w fe	17	18	107611
11	12	ybr	Siltstone, weathered			2	w fe	18	19	107612
12	13	ybr	Siltstone, weathered			70	w	19	20	107613
13	14	ybr	Siltstone, weathered			3	w fe	20	21	107614
14	15	ybr	Siltstone, weathered			0.5	w fe	21	22	107615
15	16	lgr&br	Siltstone, partly weathered		Py spotting	0.5	w	22	24	107616
16	17	lgr	Siltstone, minor weathering			1	w	24	26	107617
17	18	lgr&br	Siltstone, partly weathered			2	w fe	26	27	107618
18	19	lgr&br	Siltstone, partly weathered			20	w fe	27	29	107619
19	20	lgr&br	Siltstone, partly weathered	Tr su		15	w fe gr	29	31	107620
20	21	lgr&br	Siltstone, partly weathered	0.5% asp/py		30	w fe gr			
21	22	lgr	Siltstone & Sandstone, fg, minor weathering			15	w			
22	23	lgr	Siltstone, minor weathering			5	w fe			
23	24	lgr	Siltstone, fresh			2	w			
24	25	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0				
25	26	lgr	Siltstone, fresh			0				
26	27	lgr	Siltstone, fresh			5	w gr			
27	28	lgr	Siltstone, fresh	1% asp/py		1	w			
28	29	lgr	Siltstone & Sandstone, fg, fresh			10	w			
29	30	lgr	Siltstone, fresh	Tr su		0				

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	*DG Jackson*	**Easting**	574560m	**Hole No**	RC99MT066
ate Commenced	11.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406785m	**Azimuth**	270 AMG
ate Completed	12.7.99	**Hole Depth**	85m	**RL**	307.1m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Sandstone, fg, fresh			0		31	33	107621
31	32	lgr	Sandstone, fg, fresh	Tr py		1	w	33	35	107622
32	33	lgr	Sandstone, fg, fresh			0.5	w gr	35	37	107623
33	34	lgr	Sandstone, fg, fresh			0.5	w	37	39	107624
34	35	lgr	Sandstone, fg, fresh			0.5	w	39	40	107625
35	36	lgr	Sandstone, fg, fresh			0		40	41	107626
36	37	lgr	Siltstone, fresh	Tr py	Py spotting	30	w	41	42	107627
37	38	lgr	Siltstone, fresh		Py spotting	5	w	42	43	107628
38	39	lgr	Siltstone, fresh	Tr py		15	w	43	45	107629
39	40	lgr	Siltstone, fresh	0.5% py		0		45	46	107630
40	41	kh	Siltstone, fresh	1% cg asp		50	w	46	47	107631
41	42	kh	Siltstone, fresh Damp	2% cg asp/py		60	w	47	48	107632
42	43	lgr	Siltstone, fresh	Tr py		5	w	48	49	107633
43	44	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	3	w	49	50	107634
44	45	lgr	Siltstone, fresh Wet, small	Tr py	Py spotting	5	w	50	51	107635
45	46	lgr	Siltstone, fresh Damp	2% py	Py spotting	5	w	51	52	107636
46	47	lgr	Siltstone, fresh	2% py/asp		5	w	52	53	107637
47	48	lgr	Siltstone, fresh Wet	0.5% py		3	w	53	54	107638
48	49	lgr	Siltstone, fresh Damp samples	0.5% py		30	w	54	55	107639
49	50	lgr&g	Siltstone, fresh hereafter	Tr py	Py spotting	5	w	55	56	107640
50	51	lgr	Siltstone, fresh			2	w	56	57	107641
51	52	kh	Siltstone, fresh	2% cg asp/py 1vg		70	w	57	58	107642
52	53	lgr	Siltstone, fresh	1%py/asp 1 vg?		25	w	58	60	107643
53	54	lgr	Siltstone, fresh	0.5% py		2	w			
54	55	lgr	Siltstone & Sandstone, fg, fresh	1% py		5	w			
55	56	lgr&g	Siltstone, fresh	1% cg asp/py		60	w			
56	57	kh	Siltstone, fresh	2%py/asp		50	w gr			
57	58	lgr	Siltstone, fresh	Tr py		3	gr			
58	59	lgr	Siltstone, fresh	Tr py		3	w gr			
59	60	lgr&cm	Siltstone, fresh	0.5% py		0				

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574560m	**Hole No**	RC99MT066
)ate Commenced	11.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406785m	***Azimuth***	270 AMG
)ate Completed	12.7.99	**Hole Depth**	85m	**RL**	307.1m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone & Sandstone, fg, fresh			2	w	60	62	107644
61	62	lgr	Siltstone, fresh			2	w	62	63	107645
62	63	lgr	Siltstone & Sandstone, fg, fresh	Tr py		10	w	63	64	107646
63	64	kh	Siltstone, fresh	2% py		25	w gr	64	65	107647
64	65	lgr	Siltstone, fresh	1% py		5	w gr	65	67	107648
65	66	lgr	Siltstone, fresh	Tr py	Py spotting	5	w	67	69	107649
66	67	lgr	Siltstone, fresh	Tr py	Py spotting	2	w	69	71	107650
67	68	lgr	Siltstone & Sandstone, fg, fresh	Tr py		1	w	71	73	107651
68	69	lgr	Siltstone, fresh	Tr py		1	w	73	75	107652
69	70	lgr	Siltstone, fresh			3	w	75	77	107653
70	71	lgr	Siltstone, fresh			1	w	77	79	107654
71	72	lgr	Siltstone, fresh			1	w	79	81	107655
72	73	lgr	Siltstone, fresh			5	w	81	83	107656
73	74	lgr&cm	Siltstone & Sandstone, fg, fresh			0.5	w	83	85	107657
74	75	lgr	Siltstone, fresh			1	w			
75	76	lgr	Siltstone, fresh			0.5	w			
76	77	lgr	Siltstone, fresh			0				
77	78	lgr	Siltstone & Sandstone, fg, fresh			0				
78	79	lgr	Siltstone, fresh			0				
79	80	lgr	Siltstone, fresh			3	w			
80	81	lgr	Siltstone & Sandstone, fg, fresh			3	w			
81	82	lgr	Siltstone, fresh			2	w	Surveys		
82	83	gr	Siltstone, fresh			0				
83	84	gr	Siltstone, fresh			0.5	w	Depth	Azimuth	Inclination
84	85	lgr	Siltstone & Sandstone, fg, fresh	Tr py		15	w			
			EOH at 85m					30	259	52
								60	257	47
								85	252	42

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574583m	**Hole No**	RC99MT067
ate Commenced	12.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406785m	**Azimuth**	270 AMG
ate Completed	13.7.99	**Hole Depth**	97m	**RL**	304.7m	**Inclination**	54

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Tailings					0	2	107658
1	2	lbr	Tailings					2	4	107659
2	3	lbr	Tailings					4	6	107660
3	4	lbr	Tailings & Clay					6	8	107661
4	5	ybr	Siltstone, weathered			2	w fe	8	10	107662
5	6	ybr	Siltstone, weathered			0		10	12	107663
6	7	ybr	Siltstone, weathered			0		12	14	107664
7	8	ybr	Siltstone, weathered			0		14	16	107665
8	9	lbr	Siltstone, weathered			0		16	18	107666
9	10	lbr	Siltstone, weathered			0		18	20	107667
10	11	lbr	Siltstone, weathered			0		20	22	107668
11	12	lbr	Siltstone, weathered			0		22	23	107669
12	13	lbr	Siltstone, weathered			1	fe w	23	24	107670
13	14	lbr	Siltstone, weathered			0		24	25	107671
14	15	lbr	Siltstone, weathered			0		25	26	107672
15	16	lbr	Siltstone, weathered			0		26	27	107673
16	17	lbr	Siltstone, weathered			0		27	29	107674
17	18	lbr	Siltstone, weathered			0		29	30	107675
18	19	lgr&br	Siltstone, partly weathered			1	w fe			
19	20	lgr&br	Siltstone & Sandstone, fg, minor weathering			0				
20	21	lbr&gr	Siltstone, weathered			0				
21	22	lbr&gr	Sandstone, fg & Siltstone, weathered			5	w fe			
22	23	lgr&br	Sandstone, fg & Siltstone, partly weathered			25	fe w			
23	24	lgr&br	Siltstone & Sandstone, fg, partly weathered	Tr asp?		2	w			
24	25	lgr	Sandstone, fg & Siltstone, minor weathering			2	fe w			
25	26	lbr	Sandstone, fg & Siltstone, weathered			25	fe w			
26	27	lbr	Siltstone, weathered			50	fe w			
27	28	lbr	Siltstone, weathered			1	w			
28	29	lgr&br	Siltstone, partly weathered			0				
29	30	lgr&br	Siltstone, partly weathered			3	fe			

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574583m	**Hole No**	RC99MT067
Date Commenced	12.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406785m	**Azimuth**	270 AMG
Date Completed	13.7.99	**Hole Depth**	97m	**RL**	304.7m	**Inclination**	54

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr&br	Siltstone, partly weathered			2	w fe	30	31	107676
31	32	lbr	Siltstone, weathered			80	w fe	31	32	107677
32	33	lbr	Siltstone, weathered	Tr su 2 vg		95	w fe gr	32	33	107678
33	34	lgr&cm	Siltstone & Sandstone, fg, trace weathering			3	w fe	33	34	107679
34	35	lgr&cm	Siltstone & Sandstone, fg, trace weathering			2	w fe	34	36	107680
35	36	lgr	Siltstone, trace weathering			1	w	36	38	107681
36	37	lgr	Siltstone, fresh	Tr py		5	w	38	40	107682
37	38	lgr	Siltstone, fresh	Tr py		0.5	w	40	42	107683
38	39	lgr	Siltstone, fresh	Tr py		5	w	42	43	107684
39	40	lgr	Siltstone, fresh	1& py		2	w gr	43	44	107685
40	41	lgr	Siltstone, fresh			2	w	44	46	107686
41	42	lgr	Siltstone, fresh			0.5	w	46	47	107687
42	43	lgr	Siltstone, fresh	Tr py		1	w	47	48	107688
43	44	lgr	Siltstone, fresh	0.5% py		20	w	48	49	107689
44	45	lgr&cm	Siltstone, fresh	Tr py	Py spotting	5	w	49	51	107690
45	46	lgr&cm	Siltstone, fresh			2	w	51	53	107691
46	47	lgr&cm	Siltstone, fresh	1% py		20	w	53	55	107692
47	48	lgr	Siltstone, fresh	1% py		20	w	55	57	107693
48	49	lgr&cm	Siltstone & Sandstone, fg, fresh	0.5% py		10	w	57	59	107694
49	50	lgr	Siltstone, fresh	Tr py		3	w	59	61	107695
50	51	lgr	Siltstone, fresh	Tr py		1	w			
51	52	lgr&cm	Siltstone, fresh	Tr py		5	w			
52	53	lgr	Siltstone, fresh	Tr py		0.5	w			
53	54	lgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w			
54	55	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		3	w			
55	56	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	2	w			
56	57	gr	Siltstone, fresh	Tr py		0				
57	58	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0.5	w			
58	59	lgr&cm	Siltstone, fresh			0.5	w			
59	60	lgr	Siltstone, fresh			0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	Geologist	DG Jackson	Easting	574583m	Hole No	RC99MT067
ate Commenced	12.7.99	Drillers	Diamond Drill Tas	Northing	5406785m	Azimuth	270 AMG
ate Completed	13.7.99	Hole Depth	97m	RL	304.7m	Inclination	54

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	Tr py		0		61	63	107696
61	62	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0		63	64	107697
62	63	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	64	65	107698
63	64	lgr	Siltstone & Sandstone, fg, fresh	2.5% py		25	w gr	65	67	107699
64	65	lgr	Siltstone & Sandstone, fg, fresh	1.5% py	Py spotting	20	w	67	69	107700
65	66	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	69	71	107701
66	67	lgr&cm	Siltstone, fresh			25	w	71	73	107702
67	68	lgr	Siltstone, fresh			0.5	w	73	74	107703
68	69	lgr	Siltstone, fresh			2	w	74	76	107704
69	70	lgr	Siltstone, fresh	Tr py		1	w	76	78	107705
70	71	lgr	Siltstone, fresh	0.5% py		10	w	78	80	107706
71	72	lgr	Siltstone, fresh			0.5	w	80	82	107707
72	73	lgr	Siltstone, fresh	Tr py		1	w	82	84	107708
73	74	lgr	Siltstone, fresh	1% py		5	w	84	85	107709
74	75	lgr	Siltstone, fresh	Tr py		3	w	85	86	107710
75	76	lgr	Siltstone, fresh	Tr py		1	w	86	87	107711
76	77	lgr	Siltstone, fresh	Tr py		0.5	w	87	88	107712
77	78	lgr	Siltstone, fresh			0.5	w gr	88	0	107713
78	79	lgr	Siltstone, fresh	Tr py		3	w			
79	80	lgr	Siltstone, fresh			0				
80	81	lgr	Siltstone, fresh			0				
81	82	lgr&g	Siltstone, fresh	Tr py		0.5	w			
82	83	lgr	Siltstone, fresh	Tr py		0.5	w			
83	84	lgr	Siltstone, fresh	Tr py	Py spotting	0.5	w			
84	85	lgr	Siltstone, fresh	2% py/asp		40	w			
85	86	lgr	Siltstone, fresh	1.5% py		35	w			
86	87	lgr	Siltstone, fresh	1% py		65	gr w			
87	88	lgr	Siltstone, fresh			0.5	w			
88	89	lgr	Siltstone, fresh			15	w			
89	90	lgr	Siltstone, fresh			5	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	***Geologist***	DG Jackson	**Easting**	574583m	**Hole No**	RC99MT067
ate Commenced	12.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406785m	**Azimuth**	270 AMG
ate Completed	13.7.99	**Hole Depth**	97m	**RL**	304.7m	**Inclination**	54

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh			5	w	90	92	107714
91	92	lgr	Siltstone, fresh	Tr py		10	w	92	94	107715
92	93	lgr	Siltstone, fresh	Tr py		20	w	94	97	107716
93	94	lgr	Siltstone, fresh			0				
94	95	lgr	Siltstone, fresh			0				
95	96	lgr&g	Siltstone, fresh			5	w			
96	97	lgr	Siltstone, fresh			0				

Surveys

Depth	Azimuth	Inclination
Collar-Old Batt	260.5	53.5
Collar-New Batt	261	54
30	261	53
60	255	44
90	254	37.5

4981176

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	TC Downs	**Easting**	574600m	**Hole No**	MT068
ate Commenced	13/07/99	**Drillers**	Diamond Drill Tas	**Northing**	5406785m	**Azimuth**	270 AMG
ate Completed	14/07/99	**Hole Depth**	121m	**RL**	308.2m	**Inclination**	55

Depth		Lithology						Sampling		
rom	*To*	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Tailings Clay			0		0	3	107717
1	2	br	Tailings Clay			0		3	4	107718
2	3	lbr	Siltstone *weathered surface lag*			3	w fe	4	5	107719
3	4	lbr	Siltstone, weathered			70	w fe	5	6	107720
4	5	lbr	Siltstone, weathered			2	w fe	6	7	107721
5	6	lbr	Siltstone and sandstone, fg, weathered			50	w fe	7	9	107722
6	7	br	Siltstone and sandstone, fg, weathered			25	w	9	11	107723
7	8	lbr	Siltstone, weathered			2	w fe	11	13	107724
8	9	lbr	Siltstone, weathered			0.5	w	13	14	107725
9	10	lbr	Siltstone, weathered			5	w	14	15	107726
10	11	lbr	Siltstone, weathered			0.5	w	15	17	107727
11	12	lbr	Siltstone, weathered			3	w	17	19	107728
12	13	lgr	Sandstone, fg, and siltstone, partly weathered			0.5	w	19	21	107729
13	14	lgr	*Sandstone, fg, and siltstone, partly weathered*			0		21	23	107730
14	15	lbr/lgr	Sandstone, fg, and siltstone, weathered			20	w fe	23	25	107731
15	16	lgr/br	Sandstone, fg, and siltstone, partly weathered			1	fe	25	27	107732
16	17	lbr/gr	Siltstone and sandstone, fg, weathered			1	w fe	29	29	107733
17	18	lgr/br	Sandstone, fg, weathered			0		31	31	107734
18	19	lgr/br	Siltstone and sandstone, fg, partly weathered			0.5	w fe			
19	20	lgr/br	Siltstone and sandstone, fg, partly weathered			2	w			
20	21	lgr/br	Siltstone and sandstone, fg, partly weathered	Tr py		1	w			
21	22	lgr/br	Siltstone and sandstone, fg, partly weathered			0.5	w			
22	23	lgr/br	Sandstone, fg, partly weathered			3	w			
23	24	lgr	Sandstone, fg, minor weathering			0.5	w			
24	25	lgr	*Sandstone, fg, minor weathering*			0.5	w			
25	26	lgr/cm	Sandstone, fg and siltstone, minor weathering			1	w			
26	27	lgr	Sandstone, fg, minor weathering			0.5	w			
27	28	lgr/br	Sandstone, fg, partly weathered			0				
28	29	lgr	Sandstone, fg, fresh	Tr py		0.5	w			
29	30	lgr	Siltstone and sandstone, fg, minor weathering			1	w			

4981473

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	TC Downs	**Easting**	574600m	**Hole No**	MT068
Date Commenced	13/07/99	**Drillers**	Diamond Drill Tas	**Northing**	5406785m	**Azimuth**	270 AMG
Date Completed	14/07/99	**Hole Depth**	121m	**RL**	308.2m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone and sandstone, fg, partly weathered			0.5	w	31	33	107735
31	32	lgr	Siltstone, fresh			0.5	w	33	35	107736
32	33	lgr	Siltstone and sandstone, fg, minor weathering			0.5	w	35	37	107737
33	34	lgr/br	Sandstone, fg, partly weathered			3	w fe	37	39	107738
34	35	lgr	Siltstone and sandstone, fg, fesh			0		39	40	107739
35	36	lgr	Siltstone, fresh			0.5	w	40	41	107740
36	37	lgr	Siltstone, fresh			1	w	41	42	107741
37	38	lgr	Siltstone, fresh			0		42	43	107742
38	39	lgr	Siltstone, fresh			3	w	43	45	107743
39	40	lgr	Siltstone, minor weathering		spots	10	fe w	45	47	107744
40	41	lgr	Siltstone, minor weathering	0.5% py	spots	30	w fe	47	49	107745
41	42	lgr	Siltstone and sandstone, fg, minor weathering	1% py, asp		60	w fe	49	51	107746
42	43	lgr	Siltstone, fresh	0.5% py, su		20	w fe gr	51	52	107747
43	44	lgr	Siltstone, fresh	Tr py		2	w	52	54	107748
44	45	lgr	Siltstone and sandstone, fg, fresh			0.5	w	54	56	107749
45	46	lgr	Siltstone, fresh	Tr py		1	w	56	58	107750
46	47	lgr/cm	Siltstone, fresh			5	w gr	58	60	107751
47	48	lgr	Siltstone, fresh	0.5% py		5	w			
48	49	lgr	Siltstone, fresh	Tr py		1	w			
49	50	lgr	Siltstone, fresh	Tr py		0.5	w			
50	51	lgr	Siltstone, fresh			1	w			
51	52	lgr/cm	Siltstone, fresh	1% py		60	w			
52	53	lgr	Siltstone, fresh			5	w			
53	54	lgr	Siltstone, fresh			0.5	w			
54	55	lgr	Siltstone, fresh			0				
55	56	lgr/cm	Siltstone, fresh			0.5	w			
56	57	lgr	Siltstone, fresh			1	w			
57	58	lgr/cm	Siltstone, fresh	Tr py		0.5	w			
58	59	lgr	Siltstone, fresh	Tr py		1	w			
59	60	lgr/cm	Siltstone, fresh			2	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	TC Downs	**Easting**	574600m	**Hole No**	MT068
ate Commenced	13/07/99	**Drillers**	Diamond Drill Tas	***Northing***	5406785m	**Azimuth**	270 AMG
ate Completed	14/07/99	**Hole Depth**	121m	**RL**	308.2m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh			5	w	60	62	107752
61	62	lgr	Siltstone, fresh			3	w	62	64	107753
62	63	lgr	Siltstone, fresh	Tr py		0.5	w	64	66	107754
63	64	lgr	Siltstone, fresh			0		66	68	107755
64	65	lgr	Siltstone, fresh	Tr py		3	w	68	71	107756
65	66	lgr/cm	Siltstone, fresh			25	w	71	72	107757
66	67	lgr	Siltstone, fresh			1	w	72	74	107758
67	68	lgr	Siltstone, fresh			0.5	w	74	76	107759
68	69	lgr	Siltstone, fresh			0.5	w	76	78	107760
69	70	lgr	Siltstone, fresh			0.5	w	78	80	107761
70	71	lgr	Siltstone, fresh			0.5	w	80	82	107762
71	72	kk	Siltstone, fresh	Tr py		60	w	82	84	107763
72	73	lgr	Siltstone, fresh			0.5	w	84	86	107764
73	74	lgr	Siltstone, fresh			0		86	88	107765
74	75	lgr	Siltstone, fresh			0		88	90	107766
75	76	lgr	Siltstone, fresh			0.5	w gr			
76	77	lgr	Siltstone, fresh			3	w			
77	78	lgr	Siltstone, fresh			1	w			
78	79	lgr	Siltstone, fresh			0				
79	80	lgr	Siltstone, fresh			2	w gr			
80	81	lgr	Siltstone, fresh			0				
81	82	lgr/cm	Siltstone, fresh			0.5	w			
82	83	lgr	Siltstone, fresh			0.5	w			
83	84	lgr	Siltstone, fresh			0.5	w			
84	85	lgr	Siltstone, fresh	Tr su		4	w gr			
85	86	lgr	Siltstone, fresh			0				
86	87	lgr	Siltstone, fresh	Tr py		0.5	w pk			
87	88	gr/lgr	Siltstone, fresh			0.5	w			
88	89	gr	Siltstone, fresh			1	w			
89	90	gr	Siltstone, fresh	Tr py		1	w			

4981179

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	TC Downs	**Easting**	574600m	**Hole No**	MT068
)ate Commenced	13/07/99	**Drillers**	Diamond Drill Tas	**Northing**	5406785m	**Azimuth**	270 AMG
)ate Completed	14/07/99	**Hole Depth**	121m	**RL**	308.2m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	gr	Siltstone, fresh	Tr py		0		90	92	107767
91	92	gr	Siltstone, fresh	Tr py		3	w	92	94	107768
92	93	gr	Siltstone, fresh			0.5	w	94	96	107769
93	94	lgr	Siltstone, fresh	Tr py		1	w	96	98	107770
94	95	lgr	Siltstone, fresh		spots	0		98	100	107771
95	96	lgr	Siltstone, fresh	0.5% py		0		100	102	107772
96	97	lgr/cm	Siltstone, fresh			1	w gr	102	105	107773
97	98	lgr/g	Siltstone, fresh flakey green siltstone - fault?			1	w	105	107	107774
98	99	gr	Siltstone, fresh		spots	0		107	108	107775
99	100	gr	Siltstone, fresh			0		108	109	107776
100	101	gr	Siltstone, fresh			0		109	110	107777
101	102	gr	Siltstone, fresh			0		110	111	107778
102	103	gr	Siltstone, fresh			0.5	w	111	113	107779
103	104	gr	Siltstone, fresh			0.5	w	113	115	107780
104	105	gr	Siltstone, fresh			0		115	117	107781
105	106	lgr	Siltstone and sandstone, fg, fresh	Tr py		1	w gr	117	119	107782
106	107	gr	Siltstone and sandstone, fg, fresh	Tr py		1	w	119	121	107783
107	108	gr	Siltstone and sandstone, fg, fresh			2	w gr			
108	109	gr	Sandstone, fg, and siltstone, fresh	2% py, asp		70	gr w			
109	110	gr	Siltstone and sandstone, fg, fresh	2% asp, py 2 vg?		80	w gr			
110	111	gr	Siltstone and sandstone, fg, fresh	0.5% py		1	w			
111	112	gr	Siltstone, fresh			0.5	w			
112	113	lgr	Siltstone, fresh	Tr py		0		Surveys		
113	114	lgr	Siltstone, fresh	Tr py		0.5	w			
114	115	lgr	Siltstone, fresh			0		Depth	Azimuth	Inclination
115	116	gr	Siltstone, fresh			0.5	w			
116	117	lgr	Siltstone, fresh			2	w	30	262	52
117	118	gr	Siltstone, fresh	Tr py		1	w	60	261	48
118	119	lgr	Siltstone, fresh			0		90	262	43
119	120	gr	Siltstone, fresh			0		115	258	40.5
120	121	gr	Siltstone, fresh			0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574520m	**Hole No**	RC99MT069
ate Commenced	15.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406705m	**Azimuth**	270 AMG
ate Completed	16.7.99	**Hole Depth**	61m	**RL**	312.3m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Tailings					0	2	107784
1	2	lbr	Tailings					2	4	107785
2	3	lbr	Tailings					4	6	107786
3	4	lbr	Tailings & Clay					6	8	107787
4	5	lbr	Clay & Transported O/B					8	9	107788
5	6	lbr	Clay			25	w fe	9	11	107789
6	7	rbr	Clay			0		11	13	107790
7	8	rbr&y	Clay & Siltstone, weathered			5	w fe	13	15	107791
8	9	ybr	Siltstone, weathered			50	w fe	15	17	107792
9	10	ybr	Siltstone & Sandstone, fg, weathered			0		17	19	107793
10	11	ybr	Siltstone & Sandstone, fg, weathered			3	w fe	19	20	107794
11	12	ybr	Siltstone, weathered			2	w fe	20	22	107795
12	13	ybr	Siltstone, weathered			0		22	24	107796
13	14	ybr	Siltstone, weathered			0		24	25	107797
14	15	lgr	Siltstone, partly weathered			0		25	26	107798
15	16	lgr	Siltstone, partly weathered			0		26	27	107799
16	17	lgr	Siltstone & minor sandstone, trace weathering		Py spotting	0		27	28	107800
17	18	lgr	Siltstone & minor sandstone, trace weathering			0		28	29	107801
18	19	lgr	Siltstone & minor sandstone, trace weathering		Py spotting	0		29	30	107802
19	20	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		10	w			
20	21	lgr	Sandstone, fg & Siltstone, fresh			0				
21	22	lgr	Siltstone & Sandstone, fg, fresh			0				
22	23	lgr	Siltstone, fresh	0.5% py	Py spotting	2	w			
23	24	lgr	Siltstone, fresh			3	w			
24	25	lgr	Siltstone, fresh			1	w			
25	26	lgr&kh	Siltstone, fresh	1% py/asp		60	w			
26	27	lgr&kh	Siltstone, fresh	1% py/asp		25	w gr			
27	28	lgr&kh	Siltstone, fresh	2% py/asp		50	gr w			
28	29	kh	Siltstone, fresh	1% cg py/asp		60	w gr			
29	30	kh	Siltstone, fresh	1% cg py/asp		40	w gr			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

ospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574520m	**Hole No**	RC99MT069
ate Commenced	15.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406705m	**Azimuth**	270 AMG
ate Completed	16.7.99	**Hole Depth**	61m	**RL**	312.3m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	kh	Siltstone, fresh	1% cg asp/py		25	w	30	31	1077803
31	32	kh	Siltstone, fresh	1% cg asp/py		50	w gr	31	32	1077804
32	33	kh	Siltstone, fresh	2% cg asp		50	w gr	32	33	1077805
33	34	kh	Siltstone, fresh	3% cg asp/py		60	gr w	33	34	1077806
34	35	kh&lgr	Siltstone, fresh	3% cg asp		70	w gr	34	35	1077807
35	36	kh	Siltstone, fresh	3% cg asp		70	w gr	35	36	1077808
36	37	lgr	Siltstone, fresh	3% cg asp 1vg		70	w	36	37	1077809
37	38	lgr	Siltstone, fresh	3% cg asp/py		80	w gr	37	38	1077810
38	39	lgr	Siltstone, fresh	2% cg asp/py		80	w gr	38	39	1077811
39	40	dgr	Siltstone, fresh	1% cg py/asp		15	w	39	40	1077812
40	41	dgr	Siltstone, fresh	1% cg asp/py		15	w	40	41	1077813
41	42	dgr	Siltstone, fresh	0.5% py		0.5	w	41	42	1077814
42	43	dgr	Siltstone, fresh			0		42	43	1077815
43	44	dgr	Siltstone, fresh	1% asp/py		15	gr w	43	44	1077816
44	45	dgr	Siltstone, fresh	1%py/asp		20	w gr	44	45	1077817
45	46	dgr	Siltstone, fresh	1% py		5	w	45	46	1077818
46	47	dgr	Siltstone, fresh	0.5% py		0.5	w	46	48	1077819
47	48	dgr	Siltstone, fresh	0.5% py		1	w	48	50	1077820
48	49	dgr	Siltstone, fresh	1% py		1	w	50	52	1077821
49	50	dgr	Siltstone, fresh	1% py		0		52	53	1077822
50	51	dgr	Siltstone, fresh	0.5% py		0.5	w	53	54	1077823
51	52	gr	Sandstone, fg, fresh	0.5% py		0		54	55	1077824
52	53	gr	Sandstone, fg, fresh	Tr py		0.5	w	55	57	1077825
53	54	gr	Sandstone, fg & Siltstone, fresh	1% py		10	w gr	57	59	1077826
54	55	dgr	Siltstone, fresh	0.5% py		2	w	59	61	1077827
55	56	gr	Siltstone, fresh	1% py		5	w			
56	57	dgr	Siltstone, fresh	0.5% py		3	w	Surveys		
57	58	dgr	Siltstone, fresh	0.5% py		5	w	Depth	Azimuth	Inclination
58	59	dgr	Siltstone, fresh	Tr py		5	w	Collar	261	56.5
59	60	dgr	Siltstone, fresh	Tr py		10	w	30	264	54
60	61	dgr	Siltstone, fresh EOH at 61m			0.5	w	60	264	50.5

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574540m	**Hole No**	RC99MT070
ate Commenced	16.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406705m	**Azimuth**	270 AMG
ate Completed	16.7.99	**Hole Depth**	79m	**RL**	312.3m	**Inclination**	55

Depth		Lithology					Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Tailings					0	2	107828
1	2	lbr	Tailings					2	4	107829
2	3	lbr	Tailings					4	6	107830
3	4	lbr	Tailings					6	8	107831
4	5	ybr	Clay, Tailings & Transported O/B			50	w fe gr	8	10	107832
5	6	ybr	Clay, Tailings & Transported O/B			50	w fe gr	10	12	107833
6	7	ybr&gr	Clay			0		12	13	107834
7	8	rbr&gr	Clay			0		13	14	107835
8	9	ybr	Clay			0		14	15	107836
9	10	ybr	Siltstone, weathered			0		15	16	107837
10	11	ybr	Siltstone, weathered			0		16	17	107838
11	12	ybr	Siltstone, weathered			0		17	18	107839
12	13	ybr	Siltstone, weathered			0		18	20	107840
13	14	ybr	Siltstone, weathered			3	w fe	20	22	107841
14	15	ybr	Sandstone, fg & Siltstone, weathered	1% fg asp/py 4 vg		40	w fe gr	22	24	107842
15	16	ybr	Siltstone, weathered	1% fg asp/py 7 vg		95	fe gr w	24	26	107843
16	17	lgr	Siltstone, partly weathered	1% fg asp/py 6 vg (tiny)		95	fe gr w	26	28	107844
17	18	lgr	Siltstone, minor weathering	0.5% fg asp/py	Py spotting	2	w gr fe	28	30	107845
18	19	lgr	Siltstone, trace weathering	0.5% py		0.5	w			
19	20	lgr	Siltstone, trace weathering			1	fe w			
20	21	lgr	Siltstone, trace weathering			0.5	fe w			
21	22	lgr	Siltstone, trace weathering			0.5	fe w			
22	23	lgr	Sandstone, fg & Siltstone, fresh			10	w			
23	24	lgr	Siltstone & Sandstone, fg, fresh	Tr su		15	w			
24	25	lgr	Sandstone, fg & Siltstone, fresh			15	w			
25	26	lgr	Siltstone, fresh			0				
26	27	lgr	Siltstone, fresh			0				
27	28	lgr	Siltstone, fresh			0				
28	29	lgr&kh	Siltstone, fresh	Tr su		30	w			
29	30	lgr	Siltstone, fresh			0.5	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574540m	**Hole No**	RC99MT070
ate Commenced	16.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406705m	**Azimuth**	270 AMG
ate Completed	16.7.99	**Hole Depth**	79m	**RL**	312.3m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh			0		30	32	107846
31	32	lgr	Siltstone, fresh			0		32	34	107847
32	33	lgr	Siltstone & Sandstone, fg, fresh			1	1 fe	34	36	107848
33	34	lgr	Siltstone, fresh			0		36	38	107849
34	35	lgr&kh	Siltstone, fresh	Tr py		25	w	38	40	107850
35	36	lgr	Siltstone, fresh			10	w	40	42	107851
36	37	lgr	Siltstone, fresh			0		42	44	107852
37	38	lgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w	44	46	107853
38	39	lgr	Siltstone, fresh			0		46	48	107854
39	40	lgr	Siltstone & Sandstone, fg, fresh			1	w	48	50	107855
40	41	lgr	Siltstone, fresh	0.5% py		0		50	51	107856
41	42	lgr&kh	Siltstone, fresh	Tr py		0		51	52	107857
42	43	kh	Siltstone, fresh	Tr py		0		52	53	107858
43	44	kh	Siltstone, fresh	Tr py		50	w	53	54	107859
44	45	kh	Siltstone, fresh	Tr py		0		54	55	107860
45	46	kh	Siltstone & Sandstone, fg, fresh			0		55	56	107861
46	47	kh	Siltstone, fresh			0		56	57	107862
47	48	kh	Siltstone & Sandstone, fg, fresh			3	w	57	58	107863
48	49	kh	Siltstone, fresh	Tr py		0		58	59	107864
49	50	kh	Siltstone, fresh			0.5	w	59	60	107865
50	51	kh	Siltstone, fresh	0.5% py/asp		1	w			
51	52	kh	Siltstone, fresh	3% cg asp		20	w			
52	53	kh	Siltstone, fresh	0.5% cg asp/py		10	w			
53	54	kh&lgr	Siltstone & Sandstone, fg, fresh			2	w			
54	55	kh	Siltstone, fresh	Tr asp/py		0.5	w			
55	56	kh	Siltstone, fresh	3% cg asp/py		60	w gr			
56	57	kh	Siltstone, fresh	3% cg asp/py		95	w gr			
57	58	dgr	Siltstone, fresh	2% py		60	gr w			
58	59	dgr	Siltstone, fresh	3% py		95	gr w			
59	60	kh&gr	Siltstone, fresh	2% py/asp		30	gr w			

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DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574540m	**Hole No**	RC99MT070
)ate Commenced	16.7.99	**Drillers**	Diamond Drill Tas	***Northing***	5406705m	**Azimuth**	270 AMG
)ate Completed	16.7.99	**Hole Depth**	79m	**RL**	312.3m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	kh	Siltstone, fresh	3% py		15	w	60	61	107866
61	62	lgr	Siltstone, fresh	1% py		2	w	61	62	107867
62	63	lgr	Siltstone, fresh			1	w	62	64	107868
63	64	kh&lgr	Sandstone, fg & Siltstone, fresh			1	w	64	66	107869
64	65	kh&lgr	Siltstone & Sandstone, fg, fresh	Tr py		10	w	66	68	107870
65	66	lgr	Siltstone, fresh			0.5	w	68	70	107871
66	67	lgr	Siltstone, fresh			1	w	70	72	107872
67	68	dgr	Siltstone, fresh			0		72	74	107873
68	69	gr	Siltstone, fresh			1	w	74	76	107874
69	70	dgr	Siltstone, fresh			0		76	79	107875
70	71	dgr	Siltstone, fresh			0				
71	72	dgr	Siltstone, fresh			0				
72	73	dgr	Siltstone, fresh	Tr py		0				
73	74	dgr	Siltstone, fresh	Tr py		3	w			
74	75	dgr	Siltstone, fresh			0				
75	76	dgr	Siltstone, fresh	1% py		1	w			
76	77	dgr&bl	Siltstone & Shale, fresh	0.5% py		0.5	w			
77	78	dgr	Siltstone, fresh	Tr py		0.5	w	Surveys		
78	79	dgr	Siltstone, fresh	Tr py		15	w			
								Depth	Azimuth	Inclination
			EOH at 79m							
								Collar	261	56.5
								30	262	54.5
								60	266	48.5

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

rospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574560m	**Hole No**	RC99MT071
ate Commenced	17.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406705m	**Azimuth**	270 AMG
ate Completed	17.7.99	**Hole Depth**	103m	**RL**	311.3m	**Inclination**	55

Depth		Lithology						Sampling		
rom	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Tailings					0	2	107876
1	2	lbr	Tailings					2	4	107877
2	3	lbr	Tailings					4	6	107878
3	4	lbr	Tailings					6	8	107879
4	5	lbr	Tailings					8	10	107880
5	6	lbr	Tailings					10	12	107881
6	7	lbr	Clay					12	14	107882
7	8	lbr	Clay					14	16	107883
8	9	lbr	Clay & Siltstone, weathered			30	w fe	16	18	107884
9	10	lbr	Siltstone, weathered			0		18	20	107885
10	11	lbr	Siltstone, weathered			0.5	w fe	20	22	107886
11	12	ybr	Siltstone, weathered			0		22	24	107887
12	13	lgr&ybr	Siltstone, partly weathered			0		24	26	107888
13	14	lgr&ybr	Siltstone, partly weathered			0		26	28	107889
14	15	lgr	Siltstone & Sandstone, fg, trace weathering			0		28	30	107890
15	16	lgr	Siltstone, trace weathering			0				
16	17	lgr	Siltstone & Sandstone, fg, trace weathering			3	w			
17	18	lgr	Siltstone & Sandstone, fg, fresh			3	w			
18	19	lgr	Siltstone & Sandstone, fg, fresh			2	w			
19	20	lgr	Siltstone, fresh			0				
20	21	lgr	Siltstone, fresh			40	w			
21	22	lgr	Siltstone, fresh			3	w			
22	23	lgr	Siltstone, fresh			2	w			
23	24	lgr	Siltstone, fresh			0				
24	25	lgr	Siltstone & Sandstone, fg, fresh			3	w			
25	26	lgr	Siltstone, fresh			0				
26	27	gr	Siltstone, fresh			0				
27	28	gr	Siltstone, fresh			3	w			
28	29	l&dgr	Siltstone, fresh			2	w			
29	30	l&dgr	Siltstone & Sandstone, fg, fresh			30	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574560m	**Hole No**	RC99MT071
Date Commenced	17.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406705m	**Azimuth**	270 AMG
Date Completed	17.7.99	**Hole Depth**	103m	**RL**	311.3m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh			0		30	32	107891
31	32	lgr	Siltstone, fresh	Tr py		2	w	32	34	107892
32	33	lgr	Siltstone, fresh			3	w	34	36	107893
33	34	lgr&cm	Sandstone, fg & Siltstone, fresh			1	w	36	38	107894
34	35	lgr	Siltstone, fresh			0		38	39	107895
35	36	lgr	Siltstone & minor sandstone, fg, fresh	Tr py		0		39	41	107896
36	37	lgr&kh	Siltstone, fresh			0		41	43	107897
37	38	lgr&cm	Siltstone & Sandstone, fg, fresh			3	w	43	45	107898
38	39	cm&lgr	Sandstone, fg & Siltstone, fresh	1% py/asp		15	w gr	45	47	107899
39	40	lgr&cm	Siltstone & Sandstone, fg, fresh			0		47	49	107900
40	41	lgr&g	Siltstone, fresh			0		49	51	107901
41	42	lgrg&cm	Siltstone & Sandstone, fg, fresh			0		51	53	107902
42	43	lgr&g	Siltstone, fresh			0		53	55	107903
43	44	gr&g	Siltstone, fresh			0		55	57	107904
44	45	lgrg&cm	Siltstone & Sandstone, fg, fresh			0		57	59	107905
45	46	dgr&g	Siltstone, fresh			0		59	61	107906
46	47	gr&g	Siltstone, fresh			0.5	w			
47	48	lgr	Siltstone, fresh			0				
48	49	lgr&cm	Siltstone & Sandstone, fg, fresh			0				
49	50	lgr	Siltstone, fresh			0				
50	51	lgr&cm	Siltstone & Sandstone, fg, fresh			5	w			
51	52	lgr	Siltstone, fresh			0				
52	53	lgr&cm	Siltstone & Sandstone, fg, fresh			10	w			
53	54	lgr	Siltstone & minor sandstone, fg, fresh			0				
54	55	lgr&cm	Siltstone & Sandstone, fg, fresh			5	w			
55	56	gr	Siltstone, fresh			0				
56	57	gr	Siltstone, fresh			0				
57	58	lgr	Siltstone, fresh			0				
58	59	lgr	Siltstone, fresh			0				
59	60	lgr	Siltstone, fresh			0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574560m	**Hole No**	RC99MT071
Date Commenced	17.7.99	***Drillers***	*Diamond Drill Tas*	***Northing***	*5406705m*	***Azimuth***	270 AMG
Date Completed	17.7.99	**Hole Depth**	103m	**RL**	311.3m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh			0		61	63	107907
61	62	lgr	Siltstone, fresh	Tr py		0.5	w	63	65	107908
62	63	lgr	Siltstone, fresh			0		65	67	107909
63	64	lgr	Siltstone & Sandstone, fg, fresh			1	w	67	69	107910
64	65	lgr	Sandstone, fg & Siltstone, fresh			0		69	71	107911
65	66	dgr	Siltstone, fresh			0		71	73	107912
66	67	gr	Siltstone, fresh			0		73	75	107913
67	68	gr	Siltstone, fresh			0		75	77	107914
68	69	gr	Siltstone, fresh			0		77	79	107915
69	70	lgr	Siltstone, fresh			0		79	81	107916
70	71	gr	Siltstone, fresh			0		81	83	107917
71	72	gr	Siltstone, fresh			0		83	84	107918
72	73	gr	Siltstone, fresh			0		84	85	107919
73	74	gr	Siltstone, fresh			0		85	86	107920
74	75	gr	Siltstone, fresh			0		86	87	107921
75	76	gr	Siltstone, fresh			0		87	88	107922
76	77	gr	Siltstone, fresh			0		88	89	107923
77	78	gr	Siltstone, fresh			0		89	0	107924
78	79	lgr	Siltstone, fresh			0				
79	80	lgr	Siltstone, fresh			0				
80	81	lgr	Siltstone, fresh	Tr py		0.5	w			
81	82	lgr	Siltstone, fresh			0				
82	83	lgr	Siltstone, fresh	0.5% py		0.5	w			
83	84	lgr	Siltstone & Sandstone, fg, fresh	1% py	Silicified	0.5	w			
84	85	lgr	Siltstone & Sandstone, fg, fresh	1% py	Silicified	10	w			
85	86	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		5	w			
86	87	lgr	Siltstone, fresh	Tr py		1	w			
87	88	l&dgr&kh	Siltstone, fresh	0.5% py		10	w			
88	89	lgr&kh	Siltstone, fresh	5% py		20	w			
89	90	lgr&kh	Siltstone, fresh	1% py/asp		80	w gr			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	DG Jackson	**Easting**	574560m	**Hole No**	RC99MT071
Date Commenced	17.7.99	**Drillers**	Diamond Drill Tas	**Northing**	5406705m	**Azimuth**	270 AMG
Date Completed	17.7.99	**Hole Depth**	103m	**RL**	311.3m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh			10	w	90	91	107925
91	92	lgr	Siltstone, fresh			2	w	91	93	107926
92	93	gr	Siltstone, fresh	Tr py		5	w	93	94	107927
93	94	lgr	Siltstone, fresh	Tr py		3	w	94	95	107928
94	95	lgr	Siltstone, fresh	0.5% py		30	w	95	96	107929
95	96	lgr	Siltstone, fresh	1% py		20	w	96	97	107930
96	97	gr	Siltstone, fresh			3	w	97	99	107931
97	98	dgr	Siltstone, fresh			0.5	w	99	101	107932
98	99	dgr	Siltstone, fresh			0		101	103	107933
99	100	gr	Siltstone, fresh			0				
100	101	gr	Siltstone, fresh			0.5	w			
101	102	gr	Siltstone, fresh	Tr py		0.5	w			
102	103	gr	Siltstone, fresh			0				
								Surveys		
			EOH at 103m							
								Depth	Azimuth	Inclination
								Collar		
								30	264	53.5
								45	262	53

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	TC Downs	**Easting**	574585m	**Hole No**	RC99MT072
Date Commenced	18.07.99	**Drillers**	Diamond Drill Tas	**Northing**	5406705m	**Azimuth**	270AMG
Date Completed	19.07.99	**Hole Depth**	133m	**RL**	309.1m	**Inclination**	54

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Tailings			0		0	2	107934
1	2	lbr	Tailings			0		3	5	107935
2	3		No Sample Returned			0		5	7	107936
3	4	lgr/lbr	Clay			0		7	9	107937
4	5	lbr	Clay			0		9	11	107938
5	6	lbr	Clay			0		11	13	107939
6	7	lbr	Clay & Siltstone, weathered			1	w	13	15	107940
7	8	lbr	Surface Lag			2	w	15	17	107941
8	9	lbr	Siltstone, weathered			2	w	17	19	107942
9	10	lbr	Siltstone, weathered			0.5	w	19	21	107943
10	11	lbr	Siltstone, weathered			0.5	w	21	23	107944
11	12	lbr	Siltstone, weathered			0		23	25	107945
12	13	lbr	Siltstone & sandstone, fg, weathered			0		25	27	107946
13	14	br	Siltstone, mostly weathered			0.5	w	27	29	107947
14	15	lbr	Siltstone, mostly weathered			0		29	31	107948
15	16	lbr	Siltstone, weathered			0				
16	17	lgr	Siltstone, weathered			0				
17	18	lgr	Siltstone, minor weathering	Tr py		3	w			
18	19	lgr	Siltstone, minor weathering			0				
19	20	lgr	Siltstone, fresh			20	w			
20	21	lgr	Siltstone, fresh			0.5	w			
21	22	lgr	Siltstone, fresh			0				
22	23	lgr	Siltstone, fresh			0				
23	24	lgr	Siltstone, fresh	Tr su		1	w			
24	25	lgr	Siltstone, fresh			1	w			
25	26	lgr	Siltstone, fresh			0				
26	27	lgr	Siltstone, fresh			0				
27	28	lgr	Siltstone, fresh	Tr py		20	w			
28	29	lgr	Siltstone, fresh			1	w			
29	30	lgr	Siltstone, fresh			2	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	TC Downs	**Easting**	574585m	**Hole No**	RC99MT072
Date Commenced	18.07.99	**Drillers**	Diamond Drill Tas	**Northing**	5406705m	**Azimuth**	270AMG
Date Completed	19.07.99	**Hole Depth**	133m	**RL**	309.1m	**Inclination**	54

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh			0		31	33	107949
31	32	lgr	Siltstone, fresh			0		33	35	107950
32	33	lgr	Siltstone, fresh			0.5	w	35	37	107951
33	34	lgr	Siltstone, fresh	Tr py		0.5	w	37	39	107952
34	35	lgr	Siltstone, fresh	Tr py		1	w fe	39	41	107953
35	36	lgr	Siltstone, fresh			0		41	43	107954
36	37	lgr	Siltstone, fresh			0.5	w	43	45	107955
37	38	lgr	Siltstone, fresh	Tr py		5	w	45	47	107956
38	39	lgr	Siltstone, fresh			5	w gr	47	49	107957
39	40	lgr	Siltstone & sandstone, fg, fresh cyclone contam'			10	w	49	51	107958
40	41	lgr/cm	Siltstone & sandstone, fg, fresh cyclone contam'			30	w	51	53	107959
41	42	lgr	Siltstone, fresh			5	w	53	55	107960
42	43	lgr	Siltstone, fresh			1	w	55	57	107961
43	44	lgr	Siltstone, fresh	0.5% py		3	w gr	57	59	107962
44	45	lgr	Siltstone, fresh			0.5	w			
45	46	lgr	Siltstone, fresh			0				
46	47	lgr	Siltstone, fresh			0				
47	48	lgr	Siltstone, fresh			2	w			
48	49	lgr	Siltstone, fresh			0.5	w			
49	50	lgr	Siltstone, fresh			0.5	w			
50	51	cm	Siltstone & sandstone, fg, fresh			0.5	w			
51	52	lgr	Siltstone, fresh			0				
52	53	lgr	Siltstone, fresh			0				
53	54	lgr	Siltstone, fresh	Tr su		1	w			
54	55	lgr	Siltstone, fresh			0				
55	56	lgr	Siltstone, fresh			0				
56	57	lgr	Siltstone, fresh	Tr su		5	w			
57	58	lgr	Siltstone, fresh			0.5	w			
58	59	cm/lgr	Siltstone, fresh			1	w			
59	60	lgr	Siltstone, fresh			0.5	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	TC Downs	**Easting**	574585m	**Hole No**	RC99MT072
Date Commenced	18.07.99	**Drillers**	Diamond Drill Tas	**Northing**	5406705m	**Azimuth**	270AMG
Date Completed	19.07.99	**Hole Depth**	133m	**RL**	309.1m	**Inclination**	54

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh			0		59	62	107963
61	62	lgr	Siltstone, fresh			1	w	62	64	107964
62	63	lgr	Siltstone, fresh			0		64	65	107965
63	64	lgr	Siltstone, fresh			0		65	66	107966
64	65	lgr	Siltstone, fresh	2% py		15	w	66	67	107967
65	66	cm/lgr	Siltstone, fresh	1% py		15	w	67	69	107968
66	67	lgr	Siltstone, fresh	1% py		10	w	69	71	107969
67	68	lgr	Siltstone, fresh	0.5% py		0.5	w	71	73	107970
68	69	lgr	Siltstone, fresh	0.5% py		1	w	73	75	107971
69	70	lgr/cm	Siltstone, fresh	Tr py		0.5	w	75	77	107972
70	71	lgr	Siltstone, fresh	Tr py		0.5	w	77	79	107973
71	72	lgr	Siltstone, fresh	Tr py		0.5	w	79	81	107974
72	73	lgr	Siltstone, fresh			0		81	82	107975
73	74	lgr	Siltstone, fresh			0		82	84	107976
74	75	lgr	Siltstone, fresh			3	w	84	86	107977
75	76	lgr	Siltstone, fresh			0.5	w	86	87	107978
76	77	lgr	Siltstone, fresh			0		87	88	107979
77	78	lgr	Siltstone, fresh			2	w	88	90	107980
78	79	lgr	Siltstone, fresh	Tr py		0.5	w			
79	80	lgr	Siltstone, fresh			0				
80	81	lgr	Siltstone, fresh	Tr py		0				
81	82	lgr	Siltstone, fresh	Tr py		5	w			
82	83	lgr	Siltstone, fresh	0.5% py		2	w			
83	84	lgr/cm	Siltstone, fresh			1	w			
84	85	lgr	Siltstone, fresh			0.5	w			
85	86	lgr	Siltstone, fresh			0.5	w			
86	87	lgr	Siltstone, fresh			5	w			
87	88	lgr	Siltstone, fresh	0.5% py		5	w			
88	89	lgr	Siltstone, fresh			0				
89	90	lgr	Siltstone, fresh			0				

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	TC Downs	**Easting**	574585m	**Hole No**	RC99MT072
Date Commenced	*18.07.99*	***Drillers***	*Diamond Drill Tas*	***Northing***	*5406705m*	***Azimuth***	270AMG
Date Completed	19.07.99	**Hole Depth**	133m	**RL**	309.1m	**Inclination**	54

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh	Tr su		0		90	92	107981
91	92	lgr	Siltstone, fresh	Tr py, asp (?)		2	w	92	93	107982
92	93	lgr	Siltstone, fresh	Tr py		1	w	93	94	107983
93	94	lgr	Siltstone, fresh	3% py, asp (?)		20	w	94	95	107984
94	95	lgr	Siltstone, fresh	0.5% py, asp		2	w	95	97	107985
95	96	lgr	Siltstone, fresh			0.5	w	97	99	107986
96	97	lgr	Siltstone, fresh			0.5	w	99	101	107987
97	98	lgr	Siltstone, fresh	Tr py		3	w	101	103	107988
98	99	lgr	Siltstone & sandstone, fg, fresh			2	w	103	105	107989
99	100	lgr	Siltstone, fresh	Tr py		0.5	w	105	106	107990
100	101	lgr	Siltstone, fresh			0		106	107	107991
101	102	lgr	Siltstone, fresh	Tr py		1	w	107	108	107992
102	103	lgr	Siltstone, fresh	0.5% py		1	w	108	109	107993
103	104	lgr	Siltstone, fresh	Tr py		1	w	109	111	107994
104	105	lgr	Siltstone, fresh			0		111	113	107995
105	106	lgr	Siltstone, fresh	Tr py		0.5	w gr	113	114	107996
106	107	lgr	Sandstone, fg & siltstone, fresh	2% py		60	w gr	114	115	107997
107	108	lgr	Sandstone, fg & siltstone, fresh	Tr py		40	gr w	115	116	107998
108	109	lgr	Sandstone, fg & siltstone, fresh	Tr py		30	w gr	116	118	107999
109	110	lgr	Siltstone, fresh	Tr py		1	w gr	118	120	108000
110	111	lgr	Siltstone, fresh	0.5% py		2	w gr			
111	112	lgr	Siltstone, fresh	0.5% py		2	w gr			
112	113	lgr	Siltstone, fresh	Tr py		0.5	w gr			
113	114	lgr	Siltstone, fresh	Tr py		0.5	w			
114	115	lgr	Siltstone & sandstone, fg, fresh	0.5% py		10	w gr			
115	116	lgr	Siltstone & sandstone, fg, fresh	2% py		60	w gr			
116	117	lgr	Siltstone, fresh	Tr py		0.5	w			
117	118	lgr	Siltstone, fresh			0.5	w			
118	119	lgr	Siltstone, fresh	Tr py		5	w			
119	120	gr	Siltstone, fresh	0.5% py		5	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	*New Golden Gate*	**Geologist**	TC Downs	**Easting**	574585m	**Hole No**	RC99MT072
Date Commenced	18.07.99	**Drillers**	Diamond Drill Tas	**Northing**	5406705m	**Azimuth**	270AMG
Date Completed	19.07.99	**Hole Depth**	133m	**RL**	309.1m	**Inclination**	54

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
120	121	gr	Siltstone, fresh	Tr py		1	w	120	122	108001
121	122	gr	Siltstone, fresh			0		122	124	108002
122	123	gr	Siltstone, fresh	Tr py		2	w	124	126	108003
123	124	gr	Siltstone, fresh	Tr py		1	w	126	128	108004
124	125	gr	Siltstone, fresh			1	w	128	130	108005
125	126	gr	Siltstone, fresh	Tr py		0.5	w	133	133	108006
126	127	gr	Siltstone, fresh	0.5% py		1	w gr			
127	128	gr	Siltstone, fresh	Tr py		0.5	w gr			
128	129	gr	Siltstone, fresh			0		Surveys		
129	130	gr	Siltstone, fresh			0				
130	131	gr	Siltstone, fresh			0		Depth	Azimuth	Inclination
131	132	gr	Siltstone, fresh			0				
132	133	gr	Siltstone, fresh	Tr py		5	w	30	261	49.5
								60	258	42
			EOH at 133m					90	257	36.5
								120	258	35

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	TC Downs	**Easting**	574534m	**Hole No**	MT073
Date Commenced	19/07/99	**Drillers**	Diamond Drill Tas	**Northing**	5406685m	**Azimuth**	270 AMG
Date Completed	20/07/99	**Hole Depth**	82m	**RL**	313*m*	**Inclination**	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Tailings			0		0	2	108007
1	2	lbr	Tailings			0		2	4	108008
2	3	lbr	Tailings			0		4	6	108009
3	4	br	Clay			0		6	8	108010
4	5	br	Clay			0		8	10	108011
5	6	br	Clay & surface lag			5	w fe	10	11	108012
6	7	br	Clay & surface lag			5	w fe	11	13	108013
7	8	br	Clay & surface lag			20	w fe	13	15	108014
8	9	lbr	*Siltstone weathered & clay*			5	w fe	15	17	108015
9	10	lbr	Siltstone weathered & clay			0		17	19	108016
10	11	lbr	*Siltstone & sandstone, fg, weathered*			20	w fe	19	21	108017
11	12	lbr	Siltstone & sandstone, fg, mostly weathered			3	w	21	23	108018
12	13	lbr	Siltstone & sandstone, fg, mostly weathered			0		23	25	108019
13	14	br	Siltstone, weathered			3	w fe	25	27	108020
14	15	br	Siltstone & sandstone, fg, mostly weathered			5	w fe	27	29	108021
15	16	lgr	Siltstone & sandstone, fg, minor weathering			1	w gr	29	31	108022
16	17	lgr	Siltstone & sandstone, fg, mostly weathered			5	w fe			
17	18	lgr	Siltstone & sandstone, fg, minor weathering			4	w			
18	19	lgr	Siltstone, minor weathering			0.5	w			
19	20	lgr	Siltstone, fresh	Tr py		1	w			
20	21	lgr/lg	Siltstone, fresh			3	w			
21	22	lgr	Siltstone, fresh			5	w fe			
22	23	lg/lgr/cm	Siltstone, fresh			3	w			
23	24	lgr	Siltstone, fresh	Tr su	Spots	1	w			
24	25	lgr/lg/cm	Siltstone, fresh			0				
25	26	lgr	Siltstone, fresh			0				
26	27	lgr	Siltstone, fresh			0				
27	28	lgr/cm	Siltstone, fresh			1	w			
28	29	lgr	Siltstone, fresh			0				
29	30	lgr	Siltstone, fresh	*Tr py*		3	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	TC Downs	**Easting**	574534m	**Hole No**	MT073
Date Commenced	19/07/99	**Drillers**	Diamond Drill Tas	**Northing**	5406685m	**Azimuth**	270 AMG
Date Completed	20/07/99	**Hole Depth**	82m	**RL**	313m	**Inclination**	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh		spots	0.5	w	31	33	108023
31	32	lgr	Siltstone, fresh			0.5	w	33	35	108024
32	33	lgr	Siltstone, fresh			3	w	35	36	108025
33	34	lgr	Siltstone, fresh	Tr py		1	w	36	37	108026
34	35	lgr	Siltstone, fresh			0.5	w	37	38	108027
35	36	lgr	Siltstone, fresh	Tr py		15	w	38	40	108028
36	37	gr	Siltstone & sandstone, fg, fresh	0.5% py, su		30	w gr	40	42	108029
37	38	gr	Siltstone & sandstone, fg, fresh	0.5% py, su		30	w gr	42	44	108030
38	39	lgr	Siltstone, fresh	Tr py		0.5	w	44	46	108031
39	40	lgr	Siltstone & sandstone, fg, fresh	Tr py		1	w	46	47	108032
40	41	lgr	Siltstone, fresh			0		47	48	108033
41	42	lgr	Siltstone, fresh			0		48	49	108034
42	43	lgr	Siltstone, fresh			0		49	50	108035
43	44	lgr	Siltstone, fresh	Tr py		0		50	51	108036
44	45	lgr	Siltstone, fresh	Tr py		3	w gr	51	52	108037
45	46	lgr	Siltstone, fresh	Tr py		0		52	53	108038
46	47	gr	Siltstone & sandstone, fg, fresh	1% py		30	w gr	53	54	108039
47	48	lgr	Siltstone, fresh	0.5% py		0.5	w gr	54	55	108040
48	49	lgr	Siltstone, fresh	2% py		40	w gr	55	56	108041
49	50	lgr	Siltstone & sandstone, fg, fresh	1% py, asp		10	w gr	56	57	108042
50	51	lgr	Sandstone, fg & siltstone, fresh	1% py		70	gr w	57	58	108043
51	52	lgr	Sandstone, fg & siltstone, fresh	0.5% py		30	w gr	58	59	108044
52	53	lgr	Siltstone & sandstone, fg, fresh	Tr py		30	w gr	59	60	108045
53	54	lgr	Sandstone	Tr py, asp		60	w gr	60	62	108046
54	55	lgr	Sandstone, fg & siltstone, fresh	0.5% asp, py		40	w gr			
55	56	lgr	Siltstone & sandstone, fg, fresh	0.5% py		10	w gr			
56	57	lgr	Siltstone & sandstone, fg, fresh	1% py, asp		60	w gr			
57	58	gr	Sandstone	1% py, asp		70	w gr g			
58	59	gr	Siltstone, fresh	0.5% py		20	w			
59	60	gr	Siltstone, fresh	1% py		3	w			

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	**Geologist**	TC Downs	**Easting**	574534m	**Hole No**	MT073
Date Commenced	19/07/99	**Drillers**	Diamond Drill Tas	**Northing**	5406685m	**Azimuth**	270 AMG
Date Completed	20/07/99	**Hole Depth**	82m	**RL**	313m	**Inclination**	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	0.5% py		0.5	w	62	64	108047
61	62	lgr	Siltstone, fresh	0.5% py		2	w	64	66	108048
62	63	lgr	Siltstone, fresh	Tr py		0.5	w	66	67	108049
63	64	lgr	Siltstone, fresh	Tr py		0.5	gr	67	68	108050
64	65	lgr	Siltstone, fresh			0	w	68	69	108051
65	66	lgr	Siltstone, fresh			0		69	71	108052
66	67	lgr	Siltstone, fresh	Tr py		0		71	72	108053
67	68	lgr	Sandstone, fg & siltstone, fresh	0.5% py		20	w gr	72	74	108054
68	69	gr	Siltstone & sandstone, fg, fresh	Tr py		25	w gr	74	75	108055
69	70	lgr	Siltstone & sandstone, fg, fresh	Tr py		10	w gr	75	76	108056
70	71	lgr	Siltstone & sandstone, fg, fresh	Tr py		20	w gr	76	77	108057
71	72	lgr	Siltstone, fresh	0.5% py		30	w	77	78	108058
72	73	lgr	Siltstone, fresh	Tr py		2	w	78	79	108059
73	74	lgr	Siltstone, fresh			1	w	79	80	108060
74	75	lgr	Siltstone, fresh	Tr py		25	w	80	81	108061
75	76	lgr	Sandstone, fg & siltstone, fresh	2% py, asp		70	w gr	81	82	108062
76	77	lgr	Sandstone, fg & siltstone, fresh	0.5% py, asp		40	w			
77	78	lgr	Sandstone, fg & siltstone, fresh	1% py, asp		30	w			
78	79	lgr	Siltstone & sandstone, fg, fresh	2% py, asp		40	gr w			
79	80	gr	Sandstone, fg, fresh	3% asp, py		90	w gr			
80	81	lgr	Siltstone & sandstone, fg, fresh	3% asp, py		80	w gr	Surveys		
81	82	gr	Sandstone, fg & siltstone, fresh	3% asp, py		90	gr w			
								Depth	Azimuth	Inclination
			EOH 82m					30	263	49
			Hole abandoned, compressor radiator punctured.					60	262	46

APPENDIX 3

RC Drill Assays

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT027	105001		0	2	0.35	0.32	-	-	657	37	15	132	-1
MT027	105002		2	4	0.03	-	-	-	347	28	3	116	-1
MT027	105003		4	6	0.01	-	-	-	477	96	46	126	-1
MT027	105004		6	8	0.03	-	-	-	235	30	20	80	-1
MT027	105005		8	10	-0.01	-	-	-	272	34	5	86	-1
MT027	105006		10	12	-0.01	-	-	-	348	22	-3	86	-1
MT027	105007		12	14	0.02	-	-	-	178	37	65	66	-1
MT027	105008		14	16	-0.01	-	-	-	397	23	6	104	-1
MT027	105009	Y	16	17	0.05	-	-	0.06	394	21	20	76	-1
MT027	105010		17	19	0.06	-	-	-	97	33	23	69	-1
MT027	105011		19	21	0.35	-	-	-	210	24	22	91	-1
MT027	106301	Y	19	20	0.07	-	-	-					
MT027	106302	Y	20	21	0.54	-	-	-					
MT027	105012		21	23	0.49	-	-	-	4796	45	27	98	-1
MT027	106303	Y	21	22	0.24	-	-	-					
MT027	106304	Y	22	23	0.91	0.72	-	-					
MT027	105013		23	25	0.45	-	-	-	5400	78	20	108	-1
MT027	106305	Y	23	24	0.58	-	-	-					
MT027	106306	Y	24	25	0.74	-	-	-					
MT027	105014		25	27	0.64	-	-	-	8800	36	19	101	-1
MT027	106307	Y	25	26	0.77	-	-	-					
MT027	106308	Y	26	27	0.07	-	-	-					
MT027	105015		27	29	0.17	-	-	-	242	23	15	85	-1
MT027	105016		29	31	0.13	-	-	-	417	34	25	81	-1
MT027	105017		31	33	0.08	-	-	-	329	33	9	77	-1
MT027	105018		33	35	1.03	-	-	-	6100	21	9	57	-1
MT027	106309	Y	33	34	1.75	1.71	3.46	4.00					
MT027	106310	Y	34	35	0.12	-	-	-					
MT027	105019		35	37	0.80	0.78	-	-	4245	20	7	63	-1
MT027	106311	Y	35	36	0.74	-	-	-					
MT027	106312	Y	36	37	0.15	-	-	-					
MT027	105020		37	39	1.04	1.00	-	-	5300	43	16	97	-1
MT027	106313	Y	37	38	1.02	1.08	-	-					
MT027	106314	Y	38	39	0.76	-	-	-					
MT027	105021		39	41	1.01	-	-	-	8400	33	21	81	-1
MT027	106315	Y	39	40	1.39	-	-	-					
MT027	106316	Y	40	41	0.40	-	-	-					
MT027	105022	Y	41	42	1.45	-	-	-	4284	23	7	62	-1
MT027	105023	Y	42	43	0.45	-	-	-	5500	23	32	54	-1
MT027	105024	Y	43	44	13.30	13.70	-	-	6600	41	21	67	-1
MT027	105025	Y	44	45	3.92	0.16	-	-	8100	17	75	57	-1
MT027	105026	Y	45	46	11.20	0.94	3.54	-	3996	30	42	91	-1
MT027	105027		46	48	0.19	-	-	-	1931	25	17	97	-1
MT027	105028	Y	48	49	0.08	-	-	-	139	53	74	86	-1
MT027	105029		49	51	1.61	-	-	-	280	35	26	98	-1
MT027	106317	Y	49	50	0.10	-	-	-					
MT027	106318	Y	50	51	0.04	0.05	-	-					
MT027	105030	Y	51	52	0.06	-	-	-	534	44	36	97	-1
MT027	106366	Y	51	52	0.04	-							
MT027	105031		52	54	0.04	-	-	-	106	40	45	92	-1
MT027	105032		54	56	0.02	-	-	-	102	16	-3	80	-1
MT027	105033		56	58	0.01	-	-	-	57	36	20	88	-1
MT027	105034		58	60	-0.01	-	-0.01	-	52	34	26	79	-1
MT027	105035		60	62	-0.01	-	-	-	58	18	4	95	-1
MT027	105036		62	64	0.02	-	-	-	65	33	14	88	-1
MT027	105037		64	67	0.03	-	-	-	-50	18	3	84	-1
MT027	105038		67	69	0.04	0.04	-	-	92	27	6	90	-1
MT027	105039		69	71	0.05	-	-	-	125	28	25	95	-1
MT027	105040	Y	71	72	0.08	-	-	-	253	25	25	92	-1
MT027	105041		72	74	0.09	-	-	-	403	37	49	107	-1
MT027	105042		74	76	0.20	-	-	-	1080	38	35	82	-1
MT027	105043		76	78	0.11	-	-	-	1154	28	21	83	-1
MT027	105044		78	80	3.79	3.70	-	-	91	25	22	71	-1
MT027	106319	Y	78	79	4.77	4.70	-	-					
MT027	106320	Y	79	80	0.13	-	-	-					
MT027	105045		80	82	0.46	0.44	-	-	69	40	20	96	-1
MT027	106321	Y	80	81	0.02	-	-	-					

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT027	106322	Y	81	82	0.37	-	-	-					
MT027	105046		82	84	0.03	-	-	-	55	35	22	85	-1
MT027	105047		84	86	0.04	-	-	-	-50	32	13	81	-1
MT027	105048		86	88	0.04	-	-	-	71	32	36	125	-1
MT027	105049		88	91	0.02	-	-	-	-50	30	18	88	-1
MT028	105050		0	2	1.42	1.36	-	-	496	39	22	100	-1
MT028	106323	Y	0	1	2.19	1.84	2.06	-					
MT028	106324	Y	1	2	0.72	-	-	-					
MT028	105051		2	4	0.19	-	-	-	483	40	22	97	-1
MT028	105052		4	6	0.17	-	-	-	243	34	25	96	-1
MT028	105053		6	8	0.09	0.08	-	-	209	61	32	95	-1
MT028	105054		8	10	0.01	-	-	-	55	32	24	95	-1
MT028	105055		10	12	-0.01	-	-	-	-50	34	12	80	-1
MT028	105056		12	14	-0.01	-	-	-	-50	39	19	84	-1
MT028	105057		14	16	-0.01	-	-	-	-50	34	23	90	-1
MT028	105058		16	18	0.01	-	-	-	-50	35	11	86	-1
MT028	105059		18	20	-0.01	-	-	-0.01	-50	40	32	122	-1
MT028	105060		20	22	-0.01	-	-	-	-50	25	4	75	-1
MT028	105061		22	24	0.07	-	-	-	140	27	15	94	-1
MT028	105062		24	26	0.04	-	-	-	-50	26	4	94	-1
MT028	105063	Y	26	27	1.10	1.08	-	-	6500	25	54	113	-1
MT028	105064	Y	27	28	0.81	-	-	-	8300	24	65	92	-1
MT028	105065		28	31	0.11	-	-	-	478	46	41	112	-1
MT028	105066		31	33	0.19	-	-	-	639	33	13	117	-1
MT028	105067	Y	33	34	1.44	1.99	0.82	-	4937	43	26	110	-1
MT028	105068	Y	34	35	0.50	-	-	-	2967	43	24	108	-1
MT028	105069		35	37	1.57	5.45	-	-	986	32	33	107	-1
MT028	106325	Y	35	36	1.23	-	-	-					
MT028	106326	Y	36	37	0.11	-	-	-					
MT028	105070		37	39	0.12	-	-	-	200	38	17	102	-1
MT028	105071	Y	39	40	0.54	-	-	-	1930	31	15	94	-1
MT028	105072		40	42	0.17	-	-	-	1752	61	35	110	-1
MT028	105073		42	44	0.31	-	-	-	391	89	31	61	-1
MT028	105074		44	46	0.16	-	-	-	436	52	22	86	-1
MT028	105075		46	48	0.15	-	-	-	569	26	19	95	-1
MT028	105076		48	50	0.34	-	-	-	2662	45	31	114	-1
MT028	106327	Y	48	49	0.24	-	-	-					
MT028	106328	Y	49	50	0.89	0.74	-	-					
MT028	105077	Y	50	51	1.06	1.07	-	-	8100	47	58	101	-1
MT028	105078		51	53	0.52	-	-	-	5300	34	24	90	-1
MT028	106329	Y	51	52	0.13	-	-	-					
MT028	106330	Y	52	53	0.52	-	-	-					
MT028	105079		53	55	0.68	-	-	-	5200	29	21	85	-1
MT028	106331	Y	53	54	0.77	-	-	-					
MT028	106332	Y	54	55	0.81	-	-	-					
MT028	105080		55	56	0.96	-	-	-	6000	30	14	76	-1
MT028	106333	Y	55	56	0.98	-	-	-					
MT028	105081	Y	56	57	0.86	-	-	-	4652	38	13	86	-1
MT028	105082		57	58	0.25	-	-	-	2018	38	8	66	-1
MT028	106334	Y	57	58	0.20	0.23	-	-					
MT028	105083		58	59	0.58	-	-	-	6700	21	23	76	-1
MT028	105084		59	60	1.58	-	-	1.54	15100	7	18	52	-1
MT028	105085		60	61	10.40	4.97	5.28	-	14400	12	19	64	2
MT028	105086		61	62	8.61	3.90	5.21	-	14800	8	12	51	-1
MT028	105087		62	63	3.38	-	-	-	17900	16	295	245	-1
MT028	105088		63	64	1.89	-	-	-	11100	7	35	49	-1
MT028	105089		64	65	10.30	-	-	-	9200	9	55	70	-1
MT028	105090		65	66	1.83	-	-	-	10200	10	34	66	-1
MT028	105091		66	67	18.30	18.40	-	-	6900	2	40	53	-1
MT028	105092		67	68	24.60	25.60	-	-	8700	3	37	14	-1
MT028	105093		68	69	7.10	-	-	-	5100	14	34	51	-1
MT028	105094		69	70	6.80	1.31	1.80	-	4603	56	56	115	-1
MT028	105095		70	71	0.13	-	-	-	1826	75	57	104	-1
MT028	105096		71	73	0.20	-	-	-	985	54	30	97	-1
MT028	105097		73	74	0.23	-	-	-	2180	47	32	76	-1
MT028	105098		74	75	0.21	-	-	-	580	30	23	77	-1
MT028	105099		75	76	1.01	0.96	-	-	3120	40	32	76	-1

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT028	105100		76	78	1.20	-	-	-	3297	39	40	78	-1
MT028	105101		78	80	1.85	-	-	-	2422	31	44	94	-1
MT029	105102		0	2	0.03	-	-	-	190	27	15	72	-1
MT029	105103		2	4	0.07	-	-	-	529	32	40	102	-1
MT029	105104		4	6	0.17	-	-	-	737	35	19	90	-1
MT029	105105		6	8	0.39	-	-	-	1750	24	24	60	-1
MT029	105106		8	10	0.14	-	-	-	897	49	35	54	-1
MT029	105107		10	12	0.40	0.37	-	-	1485	48	23	76	-1
MT029	106335	Y	10	11	0.30	0.35	-	-					
MT029	106336	Y	11	12	0.20	-	-	-					
MT029	105108		12	14	0.30	-	-	-	3787	26	20	81	-1
MT029	106337	Y	12	13	0.39	-	-	-					
MT029	106338	Y	13	14	0.25	0.28	-	-					
MT029	105109		14	16	1.10	-	-	1.07	2581	21	29	51	-1
MT029	106339	Y	14	15	0.13	-	-	-					
MT029	106340	Y	15	16	1.62	1.64	1.79	-					
MT029	105110		16	18	0.13	-	-	-	1307	45	54	96	-1
MT029	105111		18	20	0.22	-	-	-	1304	27	51	69	-1
MT029	105112		20	22	0.55	-	-	-	1777	25	13	90	-1
MT029	106341	Y	20	21	0.20	-	-	-					
MT029	106342	Y	21	22	0.51	-	-	-					
MT029	105113		22	24	0.42	-	-	-	1316	66	11	73	-1
MT029	106343	Y	22	23	0.15	-	-	-					
MT029	106344	Y	23	24	0.10	-	-	-					
MT029	105114		24	26	0.17	-	-	-	1632	29	26	104	-1
MT029	105115		26	28	-0.01	-	-	-	74	37	20	102	-1
MT029	105116		28	30	0.26	-	-	-	3371	32	21	89	-1
MT029	105117	Y	30	31	0.12	0.14	-	-	1902	19	23	104	-1
MT029	105118	Y	31	32	0.23	-	-	-	3559	24	18	148	-1
MT029	105119	Y	32	33	0.78	0.82	-	-	4960	17	21	73	-1
MT029	105120	Y	33	34	38.10	37.80	-	-	4733	4	120	52	-1
MT029	105121	Y	34	35	4.59	-	-	-	9500	10	72	83	-1
MT029	105122	Y	35	36	11.60	11.20	-	-	7000	25	28	23	-1
MT029	105123	Y	36	37	1.19	1.14	-	-	3322	32	18	68	-1
MT029	105124	Y	37	38	0.86	-	-	-	2719	48	18	102	-1
MT029	105125	Y	38	39	0.36	-	-	-	6200	23	18	83	-1
MT029	105126		39	41	0.11	-	-	-	2446	32	26	75	-1
MT029	105127		41	43	0.05	-	-	-	490	18	21	95	-1
MT029	105128		43	45	0.11	-	-	-	1222	34	23	85	-1
MT029	105129		45	47	0.11	-	-	-	1565	27	33	76	-1
MT029	105130	Y	47	48	0.76	-	-	-	11800	13	12	82	-1
MT029	105131	Y	48	49	0.45	0.47	-	-	6300	19	22	80	-1
MT029	105132		49	51	0.04	-	-	-	503	37	29	63	-1
MT029	105133	Y	51	52	0.29	-	-	-	4191	28	28	83	-1
MT029	105134	Y	52	53	0.32	0.33	-	0.35	4655	10	15	42	-1
MT029	105135	Y	53	54	0.05	-	-	-	569	18	8	94	-1
MT029	105136		54	56	0.05	-	-	-	1264	21	12	90	-1
MT029	105137		56	58	0.11	0.09	-	-	1319	33	24	80	-1
MT029	105138	Y	58	59	0.46	-	-	-	7000	14	37	64	-1
MT029	105139		59	60	0.02	-	-	-	83	18	5	70	-1
MT029	105140		60	62	0.38	-	-	-	1089	33	25	80	-1
MT029	105141		62	64	0.02	-	-	-	96	74	23	83	-1
MT029	105142		64	66	-0.01	-	-	-	-50	18	-3	84	-1
MT029	105143		66	68	-0.01	-	-	-	-50	16	-3	90	-1
MT029	105144		68	70	-0.01	-	-	-	-50	15	-3	89	-1
MT029	105145		70	72	-0.01	-	-	-	-50	22	41	87	-1
MT029	105146		72	74	-0.01	-	-	-	57	24	26	90	-1
MT029	105147		74	76	-0.01	-	-	-	-50	41	27	87	-1
MT029	105148		76	78	-0.01	-	-	-	-50	15	-3	85	-1
MT029	105149		78	80	-0.01	-	-	-	-50	22	50	78	-1
MT029	105150		80	82	0.01	-	-	-	-50	22	28	82	-1
MT029	105151		82	84	0.06	-	-	-	92	33	22	89	-1
MT029	105152		84	87	0.02	-	-	-	-50	29	22	95	-1
MT029	105153		87	89	-0.01	-	-	-	-50	24	12	70	-1
MT029	105154		89	91	0.03	-	-	-	72	23	18	84	-1
MT029	105155		91	93	-0.01	-	-	-	88	33	9	80	-1
MT029	105156		93	95	0.03	-	-	-	161	34	34	90	-1

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT029	105157		95	97	0.02	-	-	-	-50	38	28	95	-1
MT029	105158		97	99	0.02	0.01	-	-	73	28	21	90	-1
MT029	105159		99	101	-0.01	-	-	-0.01	56	33	15	87	-1
MT029	105160		101	103	0.01	-	-	-	51	33	23	110	-1
MT029	105161		103	105	-0.01	-	-	-	88	32	32	100	-1
MT029	105162		105	107	0.01	-	-	-	132	32	27	101	-1
MT029	105163		107	110	0.21	-	-	-	99	34	27	85	-1
MT029	105164		110	112	-0.01	-	-	-	-50	40	24	81	-1
MT029	105165		112	114	-0.01	0.01	-	-	62	70	42	88	-1
MT029	105166		114	115	2.55	2.44	-	-	195	96	27	108	-1
MT029	106345	Y	114	115	2.04	2.30	-	-					
MT029	105167		115	116	1.35	-	-	-	3320	27	16	85	-1
MT029	106346	Y	115	116	3.32	2.93	-	-					
MT029	105168		116	118	0.81	-	-	-	722	18	8	80	-1
MT029	106347	Y	116	117	1.46	-	-	-					
MT029	106348	Y	117	118	0.20	0.13	0.14	-					
MT029	105169		118	120	0.94	-	-	-	1133	13	14	90	-1
MT029	106349	Y	118	119	0.80	-	-	-					
MT029	106350	Y	119	120	1.88	1.70	-	-					
MT029	105170		120	122	3.88	3.69	-	-	712	10	37	100	-1
MT029	106351	Y	120	121	2.52	2.05	3.00	1.26					
MT029	106352	Y	121	122	0.07	0.06	-	-					
MT029	105171		122	124	0.32	-	-	-	411	59	139	77	-1
MT029	106353	Y	122	123	0.87	-	-	-					
MT029	106354	Y	123	124	0.24	-	-	-					
MT029	105172		124	125	2.09	-	-	-	825	19	39	82	-1
MT029	106355	Y	124	125	1.90	-	-	-					
MT029	105173		125	127	0.20	-	-	-	117	12	14	87	-1
MT029	105174		127	129	-0.01	-	-	-	79	59	26	84	-1
MT029	105175		129	131	0.04	0.03	-	-	51	87	24	87	-1
MT029	105176		131	133	0.10	0.11	-	-	104	24	28	88	-1
MT029	105177		133	135	0.31	0.33	-	-	116	44	26	95	-1
MT029	105178		135	137	0.04	-	-	-	70	31	33	99	-1
MT029	105179		137	139	-0.01	-	-	-	65	22	58	80	-1
MT030	105180		0	2	0.01	-	-	-	101	40	26	91	-1
MT030	105181		2	4	-0.01	-	-	-	147	39	22	104	-1
MT030	105182		4	6	0.01	-	-	-	198	41	22	116	-1
MT030	105183		6	8	-0.01	-	-	-	184	38	20	104	-1
MT030	105184		8	9	0.11	-	-	0.13	1556	34	26	99	-1
MT030	105185	Y	9	10	0.47	-	-	-	2490	21	33	100	-1
MT030	105186		10	12	0.05	-	-	-	62	23	13	101	-1
MT030	105187		12	14	0.03	-	-	-	373	24	6	98	-1
MT030	105188		14	16	0.07	-	-	-	779	25	29	100	-1
MT030	105189		16	18	0.27	0.26	-	-	9600	7	54	59	-1
MT030	105190		18	20	0.02	-	-	-	191	37	39	102	-1
MT030	105191		20	22	0.17	-	-	-	946	59	21	134	-1
MT030	105192		22	24	0.05	-	-	-	197	29	17	119	-1
MT030	105193		24	25	0.01	-	-	-	192	29	28	138	-1
MT030	105194		25	27	0.01	-	-	-	205	28	22	89	-1
MT030	105195		27	29	0.02	-	-	-	451	29	23	110	-1
MT030	105196		29	31	0.01	-	-	-	307	31	22	110	-1
MT030	105197		31	34	0.01	-	-	-	149	33	23	105	-1
MT030	105198		34	36	0.01	-	-	-	94	28	20	96	-1
MT030	105199	Y	36	37	0.10	-	-	-	1961	28	25	96	-1
MT030	105200		37	38	0.11	-	-	-	1116	57	19	86	-1
MT030	105201		38	40	0.02	-	-	-	80	23	15	71	-1
MT030	105202		40	42	0.01	-	-	-	330	21	17	77	-1
MT030	105203		42	44	-0.01	-	-	-	73	30	25	69	-1
MT030	105204		44	47	-0.01	-	-	-	79	23	17	66	-1
MT030	105205		47	49	-0.01	-	-	-	-50	21	17	59	-1
MT030	105206		49	51	-0.01	-	-	-	-50	15	19	64	-1
MT030	105207		51	53	-0.01	-0.01	-	-	-50	23	20	72	-1
MT030	105208		53	55	-0.01	-	-	-	-50	22	18	77	-1
MT030	105209		55	58	-0.01	-	-	-0.01	-50	24	22	77	-1
MT030	105210		58	60	-0.01	-	-	-	-50	24	17	76	-1
MT030	105211		60	61	-0.01	-	-	-	-50	31	8	78	-1
MT030	105212		61	63	-0.01	-	-	-	-50	31	14	88	-1

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT030	105213		63	65	-0.01	-0.01	-	-	-50	28	21	76	-1
MT030	105214		65	67	-0.01	-	-	-	-50	21	26	79	-1
MT030	105215		67	69	-0.01	-	-	-	-50	37	11	81	-1
MT030	105216		69	71	-0.01	-	-	-	-50	28	68	86	-1
MT030	105217		71	73	-0.01	-	-	-	-50	21	-3	98	-1
MT031	105218		0	2	0.06	-	-	-	650	21	22	30	-1
MT031	105219		2	4	0.05	-	-	-	735	42	26	47	-1
MT031	105220	Y	4	5	0.15	0.13	-	-	1266	48	25	50	-1
MT031	105221		5	7	0.15	-	-	-	821	40	21	128	-1
MT031	105222		7	9	0.04	-	-	-	626	44	28	172	-1
MT031	105223		9	11	0.02	-	-	-	546	56	22	177	-1
MT031	105224		11	13	0.06	-	-	-	793	51	20	149	-1
MT031	105225		13	15	0.03	-	-	-	596	28	20	168	-1
MT031	105226		15	17	-0.01	-	-	-	376	28	18	107	-1
MT031	105227		17	19	-0.01	-	-	-	580	30	17	114	-1
MT031	105228		19	22	-0.01	-	-	-	708	24	18	122	-1
MT031	105229		22	24	-0.01	-0.01	-	-	617	27	17	98	-1
MT031	105230		24	26	-0.01	-	-	-	198	26	22	107	-1
MT031	105231		26	28	-0.01	-	-	-	152	22	15	98	-1
MT031	105232		28	30	-0.01	-	-	-	63	26	14	86	-1
MT031	105233		30	32	-0.01	-0.01	-	-	52	26	17	103	-1
MT031	105234		32	34	-0.01	-0.01	-	-0.01	73	26	14	93	-1
MT031	105235		34	36	0.06	-	-	-	395	19	17	81	-1
MT031	105236		36	38	0.10	0.08	-	-	944	38	12	102	-1
MT031	105237		38	39	0.11	0.10	-	-	1998	32	23	96	-1
MT031	105238	Y	39	40	0.42	-	-	-	5400	39	20	95	-1
MT031	105239		40	41	0.02	-	-	-	279	30	29	113	-1
MT031	105240		41	43	0.13	0.11	-	-	1342	30	41	130	-1
MT031	105241		43	44	0.08	-	-	-	624	35	11	117	-1
MT031	105242		44	46	0.96	-	-	-	7600	24	57	84	-1
MT031	106356	Y	44	45	0.29	-		-					
MT031	106357	Y	45	46	1.46	1.54		-					
MT031	105243		46	48	0.24	0.22	-	-	3162	38	33	87	-1
MT031	105244		48	49	0.28	-	-	-	2439	32	31	83	-1
MT031	105245		49	50	0.18	-	-	-	716	97	41	101	-1
MT031	105246		50	52	0.11	-	-	-	864	37	29	135	-1
MT031	105247		52	54	0.04	-	-	-	175	32	17	82	-1
MT031	105248		54	56	0.02	-	-	-	135	36	26	97	-1
MT031	105249		56	58	0.02	-	-	-	-50	25	8	76	-1
MT031	105250		58	60	-0.01	-	-	-	55	37	22	92	-1
MT031	105251		60	62	-0.01	-	-	-	120	29	19	95	-1
MT031	105252		62	63	0.06	-	-	-	152	37	14	97	-1
MT031	105253		63	65	0.01	-	-	-	55	33	15	90	-1
MT031	105254		65	67	0.02	-	-	-	-50	28	24	93	-1
MT031	105255		67	69	-0.01	-	-	-	-50	29	12	72	-1
MT031	105256		69	71	-0.01	-	-	-	-50	40	19	69	-1
MT031	105257		71	73	-0.01	-	-	-	-50	35	19	83	-1
MT031	105258		73	75	-0.01	-	-	-	55	36	62	78	-1
MT031	105259		75	77	-0.01	-0.01	-	-0.01	-50	22	9	76	-1
MT031	105260		77	79	-0.01	-	-	-	-50	150	56	74	-1
MT031	105261		79	81	-0.01	-	-	-	-50	32	15	89	-1
MT031	105262		81	83	-0.01	-	-	-	-50	13	4	83	-1
MT031	105263		83	85	-0.01	-	-	-	52	35	58	81	-1
MT031	105264		85	87	-0.01	-	-	-	-50	20	6	76	-1
MT031	105265		87	89	-0.01	-	-	-	-50	173	61	77	-1
MT031	105266		89	91	-0.01	-	-	-	-50	26	15	76	-1
MT031	105267		91	93	-0.01	-	-	-	-50	16	-3	85	-1
MT031	105268		93	95	-0.01	-	-	-	-50	9	-3	72	-1
MT031	105269		95	97	-0.01	-	-	-	-50	22	22	76	-1
MT031	105270		97	99	-0.01	-	-	-	-50	26	46	82	-1
MT031	105271		99	101	-0.01	-	-	-	-50	13	-3	63	-1
MT031	105272		101	103	-0.01	-0.01	-	-	-50	4	-3	67	-1
MT031	105273		103	105	-0.01	-	-	-	-50	9	-3	79	-1
MT031	105274		105	107	-0.01	-	-	-	-50	32	9	84	-1
MT031	105275		107	109	-0.01	-	-	-	-50	10	6	88	-1
MT032	105276	Y	0	1	0.21	-	-	-	371	10	18	25	-1
MT032	105277	Y	1	2	0.14	-	-	-	806	29	35	32	-1

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT032	105278	Y	2	3	0.10	-	-	-	769	17	32	22	-1
MT032	105279	Y	3	4	0.16	0.14	-	-	922	23	29	25	-1
MT032	105280		4	6	0.03	-	-	-	72	45	17	44	-1
MT032	105281		6	8	0.03	-	-	-	498	44	22	73	-1
MT032	105282	Y	8	9	0.04	-	-	-	790	36	23	52	-1
MT032	105283		9	11	0.02	-	-	-	636	43	17	83	-1
MT032	105284		11	13	0.02	-	-	0.02	604	37	17	83	-1
MT032	105285		13	15	0.03	-	-	-	419	25	23	35	-1
MT032	105286	Y	15	16	0.08	-	-	-	577	27	16	23	-1
MT032	105287	Y	16	17	0.36	-	-	-	2340	33	20	56	-1
MT032	105288	Y	17	18	0.72	-	-	-	1217	29	47	53	-1
MT032	105289	Y	18	19	0.35	-	-	-	2629	21	18	150	-1
MT032	105290	Y	19	20	0.04	-	-	-	1052	34	25	67	-1
MT032	105291	Y	20	21	0.11	-	-	-	2225	73	24	67	-1
MT032	105292		21	23	1.36	-	-	-	1529	29	20	79	-1
MT032	106358	Y	21	22	0.26	0.30		-					
MT032	106359	Y	22	23	0.53	-		-					
MT032	105293		23	25	1.82	-	-	-	1249	29	18	57	-1
MT032	106360	Y	23	24	0.06	-		-					
MT032	106361	Y	24	25	1.21	1.18		-					
MT032	105294		25	27	0.23	-	-	-	1082	38	17	84	-1
MT032	105295		27	29	0.24	-	-	-	858	38	19	84	-1
MT032	105296		29	31	0.03	-	-	-	364	27	19	79	-1
MT032	105297		31	33	-0.01	-	-	-	97	28	20	82	-1
MT032	105298		33	35	0.02	-	-	-	90	29	19	82	-1
MT032	105299		35	37	-0.01	-0.01	-	-	57	28	22	77	-1
MT032	105300		37	39	0.03	-	-	-	93	47	17	84	-1
MT032	105301		39	41	-0.01	-	-	-	67	28	21	82	-1
MT032	105302		41	43	-0.01	-	-	-	71	27	19	79	-1
MT032	105303		43	45	-0.01	-	-	-	-50	24	21	77	-1
MT032	105304		45	47	-0.01	-	-	-	-50	23	15	68	-1
MT032	105305		47	49	-0.01	-	-	-	-50	20	16	67	-1
MT032	105306		49	51	-0.01	-	-	-	-50	22	17	65	-1
MT032	105307		51	53	-0.01	-	-	-	-50	21	16	62	-1
MT032	105308		53	55	-0.01	-	-	-	-50	19	14	70	-1
MT032	105309		55	58	-0.01	-0.01	-	-0.01	-50	23	17	66	-1
MT032	105310		58	60	-0.01	-	-	-	-50	20	8	70	-1
MT032	105311		60	62	-0.01	-	-	-	-50	28	-3	73	-1
MT032	105312		62	64	-0.01	0.01	-	-	-50	43	-3	80	-1
MT032	105313		64	65	-0.01	-	-	-	56	20	-3	70	-1
MT032	105314	Y	65	66	0.04	-	-	-	290	34	15	77	-1
MT032	105315	Y	66	67	0.05	0.05	-	-	88	33	14	66	-1
MT032	105316		67	68	-0.01	-	-	-	59	25	25	57	-1
MT032	105317		68	70	-0.01	-	-	-	-50	26	11	80	-1
MT032	105318		70	72	-0.01	-	-	-	-50	36	63	80	-1
MT032	105319		72	74	-0.01	-0.01	-	-	-50	59	8	76	-1
MT032	105320		74	76	-0.01	-	-	-	-50	35	17	73	-1
MT032	105321		76	78	-0.01	-	-	-	-50	44	11	82	-1
MT032	105322		78	80	-0.01	-	-	-	-50	31	12	64	-1
MT032	105323		80	82	-0.01	-	-	-	-50	23	11	75	-1
MT032	105324		82	84	-0.01	-	-	-	-50	57	27	75	-1
MT032	105325		84	86	0.05	0.04	-	-	-50	6	7	75	-1
MT032	105326		86	88	-0.01	-	-	-	-50	34	9	82	-1
MT032	105327		88	90	-0.01	-	-	-	-50	6	6	65	-1
MT032	105328		90	92	-0.01	0.01	-	-	-50	12	13	67	-1
MT032	105329		92	94	0.39	0.37	-	-	69	38	34	95	-1
MT032	105330		94	97	0.04	0.05	-	-	55	43	36	79	-1
MT033	105331		2	4	0.87	-		-	2250	22	27	79	-1
MT033	105332		4	5	0.16	0.16		-	892	19	22	37	-1
MT033	105333	Y	5	6	0.12	-		-	407	16	21	19	-1
MT033	105334	Y	6	7	0.49	0.52		-	221	19	24	22	-1
MT033	105335	Y	7	8	0.06	-		-	643	34	35	33	-1
MT033	105336	Y	8	9	0.08	0.08		-	1447	42	48	47	-1
MT033	105337	Y	9	10	0.15	-		-	3065	35	42	79	-1
MT033	105338	Y	10	11	0.08	-		-	713	31	18	59	-1
MT033	105339		11	13	0.02	-		0.01	67	25	24	35	-1
MT033	105340		13	15	-0.01	-		-	90	35	24	57	-1

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT033	105341		15	17	-0.01	-		-	70	24	16	49	-1
MT033	105342		17	19	0.01	-		-	55	28	27	50	-1
MT033	105343		19	21	0.01	-		-	53	37	13	98	-1
MT033	105344		21	23	-0.01	-		-	-50	33	28	100	-1
MT033	105345		23	25	-0.01	-		-	-50	32	23	90	-1
MT033	105346		25	27	-0.01	-		-	58	33	16	93	-1
MT033	105347		27	29	-0.01	-		-	75	30	24	87	-1
MT033	105348		29	31	0.01	-		-	72	30	35	84	-1
MT033	105349		31	33	-0.01	-		-	74	32	23	77	-1
MT033	105350		33	35	-0.01	-		-	100	34	7	78	-1
MT033	105351		35	37	0.09	-		-	112	28	18	81	-1
MT033	105352	Y	37	38	0.22	-		-	2516	39	22	78	-1
MT033	105353	Y	38	39	0.26	-		-	2245	35	22	68	-1
MT033	105354		39	41	0.03	-		-	269	35	26	85	-1
MT033	105355		41	43	0.01	-		-	673	29	29	82	-1
MT033	105356		43	45	0.04	-		-	200	35	21	90	-1
MT033	105357		45	47	0.05	-		-	875	50	22	83	-1
MT033	105358		47	49	0.03	-		-	188	36	19	90	-1
MT033	105359		49	50	0.84	-		-	5400	25	44	78	-1
MT033	106362	Y	49	50	0.85	0.88		-					
MT033	105360		50	52	0.03	-		-	414	24	20	85	-1
MT033	105361		52	54	-0.01	-		-	135	32	20	87	-1
MT033	105362		54	56	0.02	-		-	113	36	20	96	-1
MT033	105363		56	57	0.01	-		-	100	34	17	87	-1
MT033	105364	Y	57	58	0.30	-		0.30	3472	27	21	83	-1
MT033	105365	Y	58	59	0.54	-		-	2294	38	17	94	-1
MT033	105366	Y	59	60	0.15	0.16		-	3245	43	19	92	-1
MT033	105367		60	61	0.07	-		-	1045	32	22	79	-1
MT033	105368		61	63	0.03	-		-	645	34	16	83	-1
MT033	105369		63	65	0.06	-		-	644	39	16	82	-1
MT033	105370		65	67	0.03	-		-	799	50	24	89	-1
MT033	105371		67	69	0.02	-		-	189	40	18	90	-1
MT033	105372		69	71	0.03	-		-	464	35	11	77	-1
MT033	105373		71	73	0.01	-		-	135	33	17	80	-1
MT033	105374		73	75	0.02	-		-	84	38	23	88	-1
MT033	105375	Y	75	76	0.10	-		-	1727	67	37	104	-1
MT033	105376	Y	76	77	1.16	-		-	9400	75	47	70	-1
MT033	105377	Y	77	78	1.38	1.44		-	12700	11	154	35	-1
MT033	105378	Y	78	79	3.91	4.04		-	10400	25	33	70	-1
MT033	105379	Y	79	80	0.46	0.46		-	5200	35	30	87	-1
MT033	105380		80	82	0.16	-		-	1050	33	23	72	-1
MT033	105381		82	84	0.17	-		-	526	27	19	73	-1
MT033	105382		84	86	0.04	-		-	339	33	20	66	-1
MT033	105383		86	88	0.09	-		-	107	30	3	76	-1
MT033	105384		88	90	-0.01	-		-	137	42	45	75	-1
MT033	105385		90	92	0.04	-		-	98	30	11	76	-1
MT033	105386		92	93	0.04	-		-	67	33	-3	71	-1
MT033	105387		93	95	0.03	0.02		-	57	39	50	65	-1
MT033	105388		95	97	-0.01	-		-	66	34	20	87	-1
MT034	105389		0	2	2.54	-		2.60	5400	48	101	57	-1
MT034	105390		2	4	2.10	-		-	5600	39	95	75	-1
MT034	105391		4	5	1.65	1.59		-	4925	44	86	180	-1
MT034	105392		6	8	0.13	-		-	764	16	27	33	-1
MT034	105393		8	10	-0.01	-		-	-50	26	23	68	-1
MT034	105394		10	13	0.03	-		-	84	24	28	73	-1
MT034	105395		13	14	0.02	-		-	-50	44	38	86	-1
MT034	105396		14	16	-0.01	-		-	-50	32	15	66	-1
MT034	105397		16	18	-0.01	-		-	-50	20	17	78	-1
MT034	105398		18	20	-0.01	-		-	-50	31	13	98	-1
MT034	105399		20	22	-0.01	-		-	-50	20	17	117	-1
MT034	105400		22	24	-0.01	-		-	-50	15	17	98	-1
MT034	105401		24	26	-0.01	-		-	-50	33	15	75	-1
MT034	105402		26	28	-0.01	-		-	-50	34	11	76	-1
MT034	105403		28	30	-0.01	-		-	62	18	9	80	-1
MT034	105404		30	32	-0.01	-0.01		-	55	112	16	64	-1
MT034	105405		32	34	-0.01	-		-	-50	19	11	80	-1
MT034	105406		34	36	-0.01	-		-	-50	21	8	76	-1

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT034	105407		36	38	-0.01	-		-	-50	34	5	74	-1
MT034	105408		38	40	0.01	-0.01		-	-50	18	51	8	-1
MT034	105409		40	42	-0.01	-		-	-50	56	37	84	-1
MT034	105410		42	44	-0.01	-		-	-50	21	6	79	-1
MT034	105411		44	46	-0.01	-		-	-50	17	X	73	-1
MT034	105412		46	48	-0.01	-		-	-50	33	9	60	-1
MT034	105413		48	50	-0.01	-		-	-50	19	5	78	-1
MT034	105414		50	52	-0.01	-		-0.01	-50	29	7	65	-1
MT034	105415		52	54	-0.01	-		-	-50	35	14	43	-1
MT034	105416		54	56	-0.01	-		-	-50	19	3	86	-1
MT034	105417		56	58	-0.01	-		-	-50	25	7	88	-1
MT034	105418		58	60	-0.01	-		-	-50	85	29	80	-1
MT034	105419		60	62	-0.01	-		-	-50	44	9	95	-1
MT034	105420		62	64	-0.01	-0.01		-	-50	30	8	86	-1
MT034	105421		64	66	-0.01	-		-	-50	35	29	84	-1
MT034	105422		66	68	-0.01	-		-	-50	46	23	84	-1
MT034	105423		68	70	-0.01	-		-	-50	62	13	78	-1
MT034	105424		70	72	-0.01	-0.01		-	-50	27	18	83	-1
MT034	105425		72	74	-0.01	-		-	-50	31	14	78	-1
MT034	105426		74	76	-0.01	-		-	-50	35	24	92	-1
MT034	105427		76	78	-0.01	-		-	-50	33	7	86	-1
MT034	105428		78	80	-0.01	-0.01		-	-50	36	26	81	-1
MT034	105429		80	82	-0.01	-		-	-50	43	44	84	-1
MT034	105430		82	84	-0.01	-		-	-50	34	13	82	-1
MT034	105431		84	86	-0.01	-0.01		-	-50	36	21	93	-1
MT034	105432		86	87	0.84	0.88		-	792	30	13	72	-1
MT034	106363	Y	86	87	0.40	0.34		-					
MT034	105433	Y	87	88	0.80	0.82		-	3247	33	15	68	-1
MT034	105434	Y	88	89	0.10	-		-	127	37	16	82	-1
MT034	105435	Y	89	90	0.04	-		-	166	24	19	67	-1
MT034	105436		90	91	0.12	-		-	580	32	19	73	-1
MT034	105437		91	92	0.04	-		-	70	35	20	87	-1
MT034	105438		92	94	0.03	0.02		-	-50	37	17	82	-1
MT034	105439	Y	94	95	0.78	-		0.76	4415	30	16	53	-1
MT034	105440	Y	95	96	0.46	-		-	1747	22	15	54	-1
MT034	105441		96	98	0.13	-		-	553	45	23	99	-1
MT034	105442		98	100	0.06	-		-	158	46	25	95	-1
MT034	105443		100	103	0.08	-		-	-50	36	24	81	-1
MT034	105444		103	105	0.16	0.14		-	92	32	34	76	-1
MT034	105445		105	106	0.17	-		-	98	27	17	74	-1
MT034	105446	Y	106	107	0.08	-		-	95	35	22	86	-1
MT034	105447		107	108	0.04	-		-	72	31	20	75	-1
MT034	105448		108	109	0.04	-		-	129	35	21	81	-1
MT034	105449		109	111	0.05	-		-	88	33	17	82	-1
MT034	105450		111	112	0.12	-		-	78	27	22	78	-1
MT034	105451		112	114	0.19	-		-	647	54	28	95	-1
MT034	105452		114	117	0.26	0.29		-	2544	39	11	81	-1
MT034	105453		117	119	0.13	-		-	810	35	17	80	-1
MT034	105454		119	121	0.71	-		-	2505	40	42	82	-1
MT034	106364	Y	119	120	0.18	-		-					
MT034	106365	Y	120	121	0.20	-		-					
MT034	105455		121	123	0.03	0.04		-	207	35	26	80	-1
MT034	105456		123	125	0.05	-		-	114	35	17	67	-1
MT034	105457		125	127	0.05	-		-	74	38	15	74	-1
MT034	105458		127	129	0.04	-		-	135	38	16	87	-1
MT034	105459		129	131	0.02	-		-	108	36	19	94	-1
MT034	105460		131	133	0.07	-		-	75	34	13	78	-1
MT034	105461		133	135	0.05	0.04		-	-50	38	22	95	-1
MT035	105462		0	2	0.01	-0.01		-	94	34	21	96	-1
MT035	105463		2	4	-0.01	-0.01		-	71	34	20	122	-1
MT035	105464		4	6	0.01	-		-	279	33	20	110	-1
MT035	105465		6	8	0.01	-		-	25	40	20	101	-1
MT035	105466		8	10	0.03	-0.01		-	36	35	15	95	-1
MT035	105467		10	12	-0.01	-		-	14	35	23	97	-1
MT035	105468		12	14	-0.01	-		-	48	35	20	118	-1
MT035	105469		14	16	-0.01	-0.01		-	14	37	19	105	-1
MT035	105470		16	18	-0.01	-0.01		-	39	36	21	100	-1

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT035	105471		18	20	-0.01	-		-	111	32	18	107	-1
MT035	105472		20	22	0.01	-		-	26	28	21	100	-1
MT035	105473		22	23	0.01	-		-	27	31	17	98	-1
MT035	105474		23	25	-0.01	-		-	29	30	19	107	-1
MT035	105475		25	27	-0.01	-		-	27	38	17	101	-1
MT035	105476		27	29	-0.01	-0.01		-	26	39	27	88	-1
MT035	105477		29	31	-0.01	-		-	22	30	20	93	-1
MT035	105478		31	33	-0.01	-		-	16	35	18	95	-1
MT035	105479		33	35	0.01	-		-	31	45	22	99	-1
MT035	105480		35	37	0.02	0.02		-	48	36	39	95	-1
MT035	105481		37	39	0.01	-		-	45	30	28	94	-1
MT035	105482		39	41	0.04	0.03		-	80	37	35	78	-1
MT035	105483		41	43	-0.01	-		-	36	23	28	74	-1
MT035	105484		43	45	-0.01	-		-	20	26	20	68	-1
MT035	105485		45	47	-0.01	-0.01		-	15	31	20	83	-1
MT035	105486		47	49	-0.01	-		-	14	27	14	76	-1
MT035	105487		49	51	-0.01	-		-	13	24	12	70	-1
MT035	105488		51	53	-0.01	-		-	20	25	20	72	-1
MT035	105489		53	55	-0.01	-		-	22	24	14	76	-1
MT035	105490		55	57	-0.01	-		-	12	23	15	80	-1
MT035	105491		57	59	-0.01	-		-	6	31	17	81	-1
MT035	105492		59	61	-0.01	-		-	10	24	16	77	-1
MT035	105493		61	63	-0.01	-0.01		-	10	22	13	64	-1
MT035	105494		63	65	-0.01	-		-	4	30	18	78	-1
MT035	105495		65	67	-0.01	-0.01		-	9	28	15	89	-1
MT035	105496		67	69	-0.01	-		-	7	25	10	72	-1
MT035	105497		69	71	-0.01	-		-	8	26	15	74	-1
MT035	105498		71	73	-0.01	-		-	6	21	12	72	-1
MT035	105499		73	75	-0.01	-		-	14	33	16	80	-1
MT035	105500		75	77	-0.01	-		-	15	31	16	80	-1
MT035	105501		77	79	-0.01	-		-	23	24	10	75	-1
MT035	105502		79	81	-0.01	-		-	49	30	15	65	-1
MT035	105503		81	83	-0.01	-		-	21	42	19	85	-1
MT035	105504		83	86	-0.01	-		-	18	24	18	79	-1
MT035	105505		86	88	-0.01	-0.01		-	11	38	15	91	-1
MT035	105506		88	90	-0.01	-		-	27	36	19	84	-1
MT035	105507		90	91	-0.01	-		-	26	33	11	74	-1
MT035	105508		91	93	0.01	-		-	43	33	14	101	-1
MT035	105509		93	95	-0.01	-		-	48	45	22	90	-1
MT035	105510		95	97	-0.01	-		-	28	25	6	86	-1
MT035	105511		97	99	-0.01	-		-	28	34	26	88	-1
MT035	105512		99	101	-0.01	-		-	26	26	12	92	-1
MT035	105513		101	103	-0.01	-		-	25	35	12	85	-1
MT036	105514		0	2	-0.01	-		-	90	31	16	85	-1
MT036	105515		2	4	-0.01	-		-	133	28	24	86	-1
MT036	105516		4	6	-0.01	-		-	88	28	10	96	-1
MT036	105517		6	8	-0.01	-		-	31	43	15	95	-1
MT036	105518		8	10	0.02	-		-	388	34	6	138	-1
MT036	105519		10	12	0.03	-		-	164	31	18	102	-1
MT036	105520		12	14	0.01	0.01		-	102	38	14	98	-1
MT036	105521		14	16	-0.01	-		-	65	39	52	101	-1
MT036	105522		16	18	-0.01	-		-	36	33	19	121	-1
MT036	105523		18	20	-0.01	-0.01		-	37	29	18	106	-1
MT036	105524		20	22	0.15	0.13		-	84	30	12	116	-1
MT036	105525		22	24	-0.01	-		-	42	20	17	95	-1
MT036	105526		24	26	-0.01	-		-	57	21	12	85	-1
MT036	105527		26	28	-0.01	-		-	34	23	15	83	-1
MT036	105528		28	30	-0.01	-		-	28	22	10	70	-1
MT036	105529		30	32	-0.01	-		-	6	24	12	69	-1
MT036	105530		32	34	-0.01	-		-	7	33	3	86	-1
MT036	105531		34	36	-0.01	-		-	5	35	5	85	-1
MT036	105532		36	38	-0.01	-		-	13	30	14	75	-1
MT036	105533		38	40	-0.01	-		-	7	23	15	80	-1
MT036	105534		40	42	-0.01	-		-	5	37	9	92	-1
MT036	105535		42	44	-0.01	-		-	13	40	35	96	-1
MT036	105536		44	46	-0.01	-		-	18	39	26	92	-1
MT036	105537		46	48	-0.01	-		-	20	30	31	91	-1

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT036	105538		48	50	-0.01	-		-	5	30	8	83	-1
MT036	105539		50	52	-0.01	-		-	-1	25	9	92	-1
MT036	105540		52	54	-0.01	-		-	9	44	11	84	-1
MT036	105541		54	56	-0.01	-		-	16	36	38	85	-1
MT036	105542		56	58	-0.01	-		-	4	28	7	76	-1
MT036	105543		58	60	-0.01	-		-	14	38	46	84	-1
MT036	105544		60	62	-0.01	-0.01		-	12	37	18	88	-1
MT036	105545		62	64	-0.01	-0.01		-	-1	31	11	86	-1
MT036	105546		64	66	-0.01	-		-	28	40	19	104	-1
MT036	105547		66	68	-0.01	-		-	15	33	15	83	-1
MT036	105548		68	70	-0.01	-		-	15	32	13	80	-1
MT036	105549		70	71	-0.01	-		-	23	41	23	92	-1
MT036	105550		71	72	-0.01	-		-	15	29	6	75	-1
MT036	105551		72	74	-0.01	-		-	22	37	17	86	-1
MT036	105552		74	76	-0.01	-		-	16	34	9	79	-1
MT036	105553		76	79	-0.01	-		-	32	36	27	131	-1
MT037	105554		2	4	0.08	-	-	-	268	30	17	73	-1
MT037	105555		4	6	-0.01	-	-	-	53	34	16	114	-1
MT037	105556		6	9	-0.01	-	-	-	78	35	14	108	-1
MT037	105557		9	11	-0.01	-	-	-	68	25	13	104	-1
MT037	105558	Y	11	12	-0.01	-	-	-	17	29	11	100	-1
MT037	105559	Y	12	13	1.27	1.27	-	-	69	34	34	109	-1
MT037	105560		13	15	-0.01	-	-	-	75	36	27	107	-1
MT037	105561		15	17	0.02	-	-	-	5	40	28	104	-1
MT037	105562		17	19	0.05	-	0.03	-	45	41	21	94	-1
MT037	105563		19	21	0.24	0.21	-	-	48	47	29	111	-1
MT037	105564	Y	21	22	0.04	-	-	-	49	32	21	90	-1
MT037	105565		22	24	-0.01	-	-	-	50	37	20	99	-1
MT037	105566		24	26	0.03	-	-	-	64	39	19	97	-1
MT037	105567		26	28	-0.01	-	-	-	38	35	16	94	-1
MT037	105568		28	30	0.08	-	-	-	217	25	18	77	-1
MT037	105569		30	32	0.04	-	-	-	309	31	18	89	-1
MT037	105570		32	34	0.19	0.22	-	-	856	21	20	74	-1
MT037	105571		34	36	-0.01	-	-	-	86	27	15	88	-1
MT037	105572		36	38	-0.01	-0.01	-	-	256	71	54	93	-1
MT037	105573		38	40	0.04	-	-	-	60	30	11	86	-1
MT037	105574		40	42	0.04	-	-	-	106	28	10	76	-1
MT037	105575		42	44	0.05	-	-	-	136	37	16	83	-1
MT037	105576		44	46	0.03	-	-	-	349	32	9	84	-1
MT037	105577		46	48	0.13	0.17	-	-	545	30	21	84	-1
MT037	105578		48	50	-0.01	-	-	-	35	35	15	77	-1
MT037	105579		50	52	-0.01	-	-	-	196	27	19	75	-1
MT037	105580		52	54	-0.01	-	-	-	73	28	33	79	-1
MT037	105581		54	56	-0.01	-	-	-	45	33	9	85	-1
MT037	105582		56	58	-0.01	-	-	-	33	41	30	84	-1
MT037	105583		58	60	-0.01	-	-	-	40	33	28	81	-1
MT037	105584		60	62	-0.01	-	-	-	32	36	37	85	-1
MT037	105585		62	64	-0.01	-	-	-	23	34	23	89	-1
MT037	105586		64	66	-0.01	-	-	-	32	33	18	89	-1
MT037	105587		66	68	0.02	-	0.02	-	65	32	22	84	-1
MT037	105588		68	69	0.12	-	-	-	206	19	15	67	-1
MT037	105589		69	70	0.13	-	-	-	281	25	18	85	-1
MT037	105590		70	71	0.38	0.40	-	-	1162	27	17	88	-1
MT037	106367		70	71	0.51	-							
MT037	105591		71	73	0.02	-	-	-	133	23	10	72	-1
MT037	105592		73	75	0.02	-	-	-	58	18	8	75	-1
MT037	105593		75	77	-0.01	-	-	-	90	18	9	60	-1
MT037	105594		77	79	0.02	-	-	-	89	18	10	60	-1
MT037	105595		79	81	-0.01	-	-	-	53	22	14	67	-1
MT037	105596		81	83	-0.01	-	-	-	31	23	11	68	-1
MT037	105597		83	85	-0.01	-	-	-	31	32	22	74	-1
MT037	105598		85	87	-0.01	-	-	-	16	29	15	70	-1
MT037	105599		87	89	-0.01	-	-	-	22	29	19	72	-1
MT037	105600		89	91	-0.01	-	-	-	19	30	2	80	-1
MT037	105601		91	93	-0.01	-0.01	-	-	28	36	57	75	-1
MT037	105602		93	96	-0.01	-	-	-	32	39	39	80	-1
MT038	105603		0	2	1.46	1.60	1.46	-	4091	27	124	77	-1

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT038	105604		2	4	1.03	1.15	1.13	-	4513	17	149	75	-1
MT038	105605		4	7	0.99	1.00	-	-	4261	18	141	71	-1
MT038	105606		7	10	2.35	1.86	-	-	1418	16	65	103	-1
MT038	105607		10	12	0.08	-	-	-	215	22	6	87	-1
MT038	105608		12	14	0.16	-	-	-	351	27	25	78	-1
MT038	105609		14	16	0.06	-	-	-	207	31	32	80	-1
MT038	105610		16	18	0.05	-	-	-	137	28	16	90	-1
MT038	105611		18	20	0.11	-	-	-	143	31	29	72	-1
MT038	105612		20	22	-0.01	-	0.01	-	125	26	14	78	-1
MT038	105613		22	24	0.02	0.02	0.02	-	121	30	12	71	-1
MT038	105614	Y	24	25	0.63	0.47	0.46	-	4850	16	27	63	-1
MT038	105615	Y	25	26	1.01	1.48	1.62	0.60	6500	14	18	62	-1
MT038	105616	Y	26	27	0.74	0.51	0.48	-	7700	23	40	62	-1
MT038	105617	Y	27	28	0.03	-0.01	0.03	-	292	23	4	74	-1
MT038	105618	Y	28	29	0.16	0.15	-	-	1174	29	6	80	-1
MT038	105619	Y	29	30	0.43	0.35	-	-	4453	39	22	93	-1
MT038	105620	Y	30	31	0.20	-	-	-	1119	36	46	86	-1
MT038	105621	Y	31	32	0.09	-	-	-	543	48	15	94	-1
MT038	105622		32	34	-0.01	-	-	-	56	29	11	80	-1
MT038	105623		34	36	-0.01	-	-	-	62	20	3	78	-1
MT038	105624		36	38	-0.01	-	-	-	53	24	5	81	-1
MT038	105625		38	40	-0.01	-	-	-	39	27	5	83	-1
MT038	105626		40	42	-0.01	-	-	-	40	28	40	76	-1
MT038	105627		42	44	-0.01	-	-	-	23	26	7	85	-1
MT038	105628		44	46	-0.01	-	-	-	24	30	50	77	-1
MT038	105629		46	48	-0.01	-	-	-	26	27	11	82	-1
MT038	105630		48	50	-0.01	-	-	-	23	20	2	81	-1
MT038	105631		50	52	-0.01	-	-	-	10	22	8	85	-1
MT038	105632		52	54	-0.01	-	-	-	24	30	15	75	-1
MT038	105633		54	56	0.02	-	-	-	68	29	11	83	-1
MT038	105634		56	58	-0.01	-	-	-	20	22	13	75	-1
MT038	105635		58	60	-0.01	-	-	-	19	24	9	76	-1
MT038	105636		60	62	0.02	-	-	-	98	26	14	89	-1
MT038	105637		62	64	-0.01	-	-0.01	-	25	123	25	83	-1
MT038	105638		64	66	-0.01	-0.01	-	-	12	240	33	85	-1
MT038	105639		66	68	-0.01	-	-	-	51	50	8	88	-1
MT038	105640		68	70	-0.01	-	-	-	13	28	15	91	-1
MT038	105641		70	72	-0.01	-	-	-	15	28	14	93	-1
MT038	105642		72	74	0.03	-	-	-	99	24	18	89	-1
MT038	105643		74	76	-0.01	-	-	-	12	26	20	95	-1
MT038	105644		76	78	-0.01	-	-	-	9	33	5	92	-1
MT038	105645		78	80	-0.01	-	-	-	87	26	12	89	-1
MT038	105646		80	82	-0.01	-	-	-	54	49	24	93	-1
MT038	105647		82	85	-0.01	-	-	-	76	32	18	105	-1
MT038	105648		85	86	0.01	-	-	-	470	26	12	89	-1
MT038	105649		86	87	0.25	-	-	-	909	37	39	86	-1
MT038	106368	Y	86	87	1.09	-							
MT038	105650	Y	87	88	0.17	-	-	-	1312	39	33	88	-1
MT038	105651	Y	88	89	0.12	-	-	-	260	34	34	89	-1
MT038	105652		89	91	0.10	-	-	-	210	34	25	89	-1
MT039	105653		0	2	0.26	-	-	-	2231	33	75	103	-1
MT039	105654		2	4	0.10	-	-	-	326	19	17	110	-1
MT039	105655		4	6	0.03	-	-	-	96	15	15	65	-1
MT039	105656		6	8	0.04	-	-	-	112	19	17	66	-1
MT039	105657		8	10	0.02	-	-	-	344	29	10	166	-1
MT039	105658		10	12	-0.01	-	-	-	271	25	3	240	-1
MT039	105659		12	14	-0.01	-	-	-	292	50	15	162	-1
MT039	105660		14	16	0.02	-	-	-	122	30	9	112	-1
MT039	105661		16	18	0.01	-	-	-	21	19	10	88	-1
MT039	105662		18	20	-0.01	-	0.01	-	25	31	11	77	-1
MT039	105663		20	22	-0.01	-	-	-	19	16	5	84	-1
MT039	105664		22	24	-0.01	-0.01	-	-	31	32	4	84	-1
MT039	105665		24	26	0.04	-	-	-	87	56	45	74	-1
MT039	105666		26	28	0.01	-	-	-	10	11	4	83	-1
MT039	105667		28	30	-0.01	-	-	-	15	28	2	79	-1
MT039	105668		30	32	-0.01	-	-	-	40	17	3	82	-1
MT039	105669		32	34	-0.01	-	-	-	19	29	37	82	-1

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT039	105670		34	36	-0.01	-	-	-	27	26	14	79	-1
MT039	105671		36	38	0.08	0.10	-	-	1329	40	27	78	-1
MT039	105672		38	40	-0.01	-	-	-	46	29	13	83	-1
MT039	105673		40	42	-0.01	-	-	-	47	23	6	83	-1
MT039	105674		42	44	-0.01	-	-	-	79	41	16	97	-1
MT039	105675		44	46	-0.01	-	-	-	63	30	21	80	-1
MT039	105676		46	48	-0.01	-	-	-	60	21	2	68	-1
MT039	105677		48	50	0.24	-	-	-	113	32	75	76	-1
MT039	106369		48	49	0.22	-							
MT039	106370	Y	49	50	0.27	-							
MT039	105678		50	51	0.42	-	-	-	1028	21	13	88	-1
MT039	106371	Y	50	51	0.27	-							
MT039	105679	Y	51	52	29.10	31.40	25.40	19.98	7900	23	38	92	-1
MT039	105680	Y	52	53	13.69	8.12	7.78	7.38	3347	30	24	107	-1
MT039	105681	Y	53	54	11.82	8.34	-	-	2345	15	2	69	-1
MT039	105682	Y	54	55	6.87	0.80	1.20	0.29	3639	35	3	64	-1
MT039	105683	Y	55	56	0.65	-	-	-	4140	34	2	52	-1
MT039	105684	Y	56	57	0.04	0.06	-	-	879	46	5	65	-1
MT039	105685	Y	57	58	0.04	-	-	-	966	26	11	92	-1
MT039	105686	Y	58	59	0.09	-	-	-	1158	36	20	93	-1
MT039	105687		59	60	0.14	0.11	-	-	1228	35	5	84	-1
MT039	105688	Y	60	61	0.21	-	-	-	408	34	5	88	-1
MT039	105689	Y	61	62	0.07	-	-	-	1810	33	6	90	-1
MT039	105690		62	63	0.51	-	-	-	2406	40	33	80	-1
MT039	106372	Y	62	63	5.60	-							
MT039	105691		63	65	-0.01	-	-	-	124	41	22	73	-1
MT039	105692		65	67	-0.01	-0.01	-	-	97	25	9	83	-1
MT039	105693	Y	67	68	0.03	-	-	-	79	27	5	89	-1
MT039	105694	Y	68	69	0.41	-	-	-	1437	22	15	84	-1
MT039	105695	Y	69	70	0.02	-	-	-	1052	38	7	106	-1
MT039	105696	Y	70	71	0.09	-	-	-	217	25	16	76	-1
MT039	105697		71	73	-0.01	-	-	-	112	31	8	78	-1
MT039	105698		73	74	0.08	-	-	-	840	25	5	95	-1
MT039	105699	Y	74	75	1.38	1.38	-	-	1814	30	24	71	-1
MT039	105700	Y	75	76	0.12	-	-	-	1346	26	5	54	-1
MT039	105701		76	77	0.53	-	-	-	580	42	7	59	-1
MT039	106373	Y	76	77	0.67	-							
MT039	105702		77	79	0.18	0.15	-	-	147	24	7	102	-1
MT039	105703		79	81	0.15	0.21	0.16	-	111	31	8	89	-1
MT039	105704		81	83	-0.01	0.02	-	-	59	24	8	90	-1
MT039	105705		83	85	-0.01	-	-	-	85	29	21	88	-1
MT040	105706		4	6	0.03	-	-	-	121	20	18	96	-1
MT040	105707		6	8	0.11	-	-	-	231	15	30	57	-1
MT040	105708		8	10	-0.01	-	-	-	60	20	19	51	-1
MT040	105709		10	12	-0.01	-	-	-	53	22	17	78	-1
MT040	105710		12	14	0.38	0.46	-	-	616	28	45	111	-1
MT040	106374		12	13	0.63	0.64							
MT040	106375	Y	13	14	0.16	-							
MT040	105711		14	16	0.07	-	-	-	73	26	6	108	-1
MT040	105712		16	18	-0.01	-	-0.01	-	36	30	28	90	-1
MT040	105713		18	20	-0.01	-	-	-	28	28	21	82	-1
MT040	105714		20	22	-0.01	-	-	-	28	25	15	80	-1
MT040	105715		22	24	-0.01	-	-	-	18	29	9	91	-1
MT040	105716		24	26	-0.01	-	-	-	4	28	26	78	-1
MT040	105717		26	28	-0.01	-	-	-	7	22	13	74	-1
MT040	105718		28	30	-0.01	-	-	-	5	26	6	88	-1
MT040	105719		30	32	-0.01	-	-	-	-1	22	7	86	-1
MT040	105720		32	34	-0.01	-0.01	-	-	9	31	28	63	-1
MT040	105721		34	36	-0.01	-	-	-	17	23	20	64	-1
MT040	105722		36	38	-0.01	-	-	-	5	20	5	80	-1
MT040	105723		38	40	-0.01	-	-	-	3	23	23	71	-1
MT040	105724		40	42	-0.01	-	-	-	-1	17	3	84	-1
MT040	105725		42	44	-0.01	-	-	-	11	18	4	86	-1
MT040	105726		44	46	-0.01	-	-	-	14	64	6	82	-1
MT040	105727		46	48	-0.01	-	-	-	1	28	8	76	-1
MT040	105728		48	50	-0.01	-	-	-	4	30	27	71	-1
MT040	105729		50	52	-0.01	-	-	-	6	26	20	70	-1

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT040	105730		52	54	-0.01	-	-	-	7	26	6	68	-1
MT040	105731		54	56	-0.01	-	-	-	5	47	28	78	-1
MT040	105732		56	58	-0.01	-	-	-	1	20	18	78	-1
MT040	105733		58	60	-0.01	-	-	-	6	30	11	79	-1
MT040	105734		60	62	-0.01	-	-	-	40	22	16	83	-1
MT040	105735		62	64	-0.01	-	-	-	15	22	14	72	-1
MT040	105736		64	66	-0.01	-	-	-	133	25	25	70	-1
MT040	105737		66	68	-0.01	-	-	-	12	18	-3	78	-1
MT040	105738		68	70	-0.01	-	-	-	24	19	47	78	-1
MT040	105739		70	72	-0.01	-	-0.01	-	12	15	12	75	-1
MT040	105740		72	74	-0.01	-	-	-	19	13	8	77	-1
MT040	105741		74	76	-0.01	-	-	-	23	23	21	78	-1
MT040	105742		76	78	-0.01	-	-	-	8	13	7	78	-1
MT040	105743		78	80	-0.01	-	-	-	58	50	14	75	-1
MT040	105744		80	82	-0.01	-	-	-	51	28	45	81	-1
MT040	105745		82	84	-0.01	-	-	-	54	29	16	85	-1
MT040	105746		84	86	-0.01	-	-	-	306	21	12	76	-1
MT040	105747		86	88	0.03	-	-	-	589	26	-3	82	-1
MT040	105748		88	91	0.01	-	-	-	72	28	24	80	-1
MT040	105749		91	92	0.02	-	-	-	69	40	22	68	-1
MT040	105750		92	93	3.42	3.02	-	-	162	17	6	84	-1
MT040	106376	Y	92	93	3.07	3.50							
MT040	105751	Y	93	94	0.20	-	-	-	857	34	14	84	-1
MT040	105752	Y	94	95	0.15	-	-	-	1356	20	4	81	-1
MT040	105753	Y	95	96	0.21	-	-	-	833	8	-3	27	-1
MT040	105754	Y	96	97	0.17	-	-	-	1460	17	13	61	-1
MT040	105755	Y	97	98	4.27	4.02	-	-	12000	9	9	15	-1
MT040	105756	Y	98	99	0.16	-	-	-	4029	9	5	31	-1
MT040	105757	Y	99	100	0.36	-	-	-	7700	11	29	60	-1
MT040	105758		100	101	0.09	-	-	-	1066	14	3	113	-1
MT040	105759		101	102	0.09	-	-	-	2858	5	21	56	-1
MT040	105760		102	104	0.11	-	-	-	1255	28	-3	56	-1
MT040	105761		104	106	0.32	-	-	-	75	28	21	79	-1
MT040	105762		106	108	0.07	-	-	-	45	60	18	76	-1
MT041	105763		0	2	1.92	0.58	0.36	-	417	34	42	106	-1
MT041	106377	Y	0	1	0.97	-							
MT041	106378	Y	1	2	0.13	-							
MT041	105764		2	4	0.10	-	0.11	-	171	63	29	72	-1
MT041	105765	Y	4	5	0.16	-	-	-	441	81	23	89	-1
MT041	105766	Y	5	6	0.08	-	-	-	140	103	21	133	-1
MT041	105767		6	8	0.05	0.05	-	-	333	72	13	108	-1
MT041	105768		8	10	0.50	-	-	-	96	59	16	91	-1
MT041	106379	Y	8	9	0.32	-							
MT041	106380	Y	9	10	0.32	-							
MT041	105769	Y	10	11	0.25	-	-	-	499	100	15	113	-1
MT041	105770	Y	11	12	0.40	-	-	-	558	74	14	87	-1
MT041	105771	Y	12	13	0.61	0.71	-	-	969	39	18	94	-1
MT041	105772		13	14	0.38	-	-	-	919	29	10	74	-1
MT041	106381	Y	13	14	0.35	-							
MT041	105773		15.5	16	0.49	-	-	-	1840	23	6	94	-1
MT041	106382		15.5	16	0.46	-							
MT041	105774	Y	16	17	0.48	-	-	-	2832	25	16	98	-1
MT041	105775	Y	17	18	0.53	-	-	-	2756	40	19	111	-1
MT041	105776	Y	18	19	0.56	-	-	-	3227	29	22	55	-1
MT041	105777		19	21	0.77	-	-	-	2359	27	18	83	-1
MT041	106383		19	20	0.64	-							
MT041	106384	Y	20	21	1.58	-							
MT041	105778		21	23	0.34	-	-	-	1715	29	16	92	-1
MT041	106385	Y	21	22	0.57	-							
MT041	106386	Y	22	23	0.13	-							
MT041	105779	Y	23	24	41.40	25.40	53.60	-	4917	69	219	111	-1
MT041	105780		24	26	0.28	-	-	-	1117	31	18	100	-1
MT041	105781		26	28	0.02	-	-	-	803	28	18	90	-1
MT041	105782		28	30	0.17	-	-	-	1255	33	25	99	-1
MT041	105783		30	31	0.24	-	-	-	1117	38	13	103	-1
MT041	105784	Y	31	32	1.09	1.28	-	-	7800	28	36	71	-1
MT041	105785	Y	32	33	3.41	1.81	2.54	2.18	2546	56	22	102	-1

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT041	105786		33	35	0.09	-	-	-	605	25	8	97	-1
MT041	105787		35	37	0.09	-	-	-	685	44	21	93	-1
MT041	105788		37	39	-0.01	-	-	-	88	24	8	82	-1
MT041	105789		39	41	0.01	-0.01	0.02	-	196	36	26	83	-1
MT041	105790		41	43	-0.01	-	-	-	104	20	5	68	-1
MT041	105791		43	46	-0.01	-	-	-	82	28	19	70	-1
MT041	105792		46	47.5	-0.01	-	-	-	92	21	-3	82	-1
MT041	105793		52	54	-0.01	-	-	-	20	25	22	69	-1
MT041	105794		54	56	-0.01	-	-	-	39	25	22	68	-1
MT041	105795		56	57	-0.01	-	-	-	46	22	24	75	-1
MT041	105796		57	58	-0.01	-	-	-	48	24	23	72	-1
MT041	105797		58	60	-0.01	-	-	-	27	25	21	77	-1
MT041	105798		60	62	-0.01	-	-	-	6	25	24	80	-1
MT041	105799		62	64	-0.01	-	-	-	34	24	30	73	-1
MT041	105800		64	66	-0.01	-0.01	-	-	15	22	9	78	-1
MT041	105801		66	68	-0.01	-	-	-	34	30	37	74	-1
MT041	105802		68	70	-0.01	-	-	-	25	23	16	75	-1
MT041	105803		70	72	0.02	-	-	-	44	26	31	74	-1
MT041	105804		72	74	-0.01	-	-	-	21	38	32	73	-1
MT041	105805		74	76	-0.01	-	-	-	8	20	7	81	-1
MT041	105806		76	79	-0.01	-	-	-	19	43	29	80	-1
MT042	105807		0	2	0.05	-	-	-	79	29	36	52	-1
MT042	105808		2	4	-0.01	-	-	-	66	31	25	60	-1
MT042	105809	Y	4	5	0.03	-	-	-	209	29	20	51	-1
MT042	105810	Y	5	6	0.01	-	-	-	474	38	26	59	-1
MT042	105811		6	8	0.02	-	-	-	407	39	34	80	-1
MT042	105812		8	10	0.13	-	-	-	747	30	12	99	-1
MT042	105813		10	12	0.22	-	-	-	467	21	16	74	-1
MT042	105814		12	14	0.02	-	0.02	-	424	20	20	86	-1
MT042	105815		14	16	0.02	-	-	-	221	26	75	80	-1
MT042	105816		16	18	0.25	-	-	-	181	31	20	97	-1
MT042	105817		18	20	0.10	0.08	-	-	251	36	14	68	-1
MT042	105818	Y	20	21	0.20	-	-	-	1064	37	161	27	-1
MT042	105819		21	23	0.06	-	-	-	553	34	23	28	-1
MT042	105820		23	25	0.13	0.09	-	-	173	37	22	68	-1
MT042	105821		25	27	0.09	-	-	-	33	30	22	100	-1
MT042	105822		27	29	0.02	-	-	-	103	30	14	82	-1
MT042	105823		29	31	0.01	-	-	-	144	24	12	80	-1
MT042	105824		31	34	-0.01	-	-	-	57	23	15	86	-1
MT042	105825		34	36	0.14	-	-	-	955	23	37	100	-1
MT042	105826	Y	36	37	0.23	0.45	0.52	-	1771	128	70	94	-1
MT042	105827	Y	37	38	0.40	0.34	-	-	3268	32	23	91	-1
MT042	105828		38	39	0.04	-	-	-	166	20	11	81	-1
MT042	105829		39	41	0.03	-	-	-	98	20	15	84	-1
MT042	105830		41	43	-0.01	-	-	-	76	21	12	83	-1
MT042	105831		43	45	-0.01	-	-	-	10	30	10	73	-1
MT042	105832	Y	45	46	0.10	-	-	-	869	29	16	71	-1
MT042	105833	Y	46	47	0.16	-	-	-	695	24	28	79	-1
MT042	105834		47	49	-0.01	-	-	-	75	23	11	76	-1
MT042	105835		49	51	-0.01	-	-	-	69	26	12	85	-1
MT042	105836		51	53	-0.01	-	-	-	27	36	22	82	-1
MT042	105837		53	55	-0.01	-	-	-	39	30	19	85	-1
MT042	105838		55	57	-0.01	-	-	-	41	31	19	85	-1
MT042	105839		57	59	-0.01	-0.01	-0.01	-	28	29	19	85	-1
MT042	105840		59	61	-0.01	-	-	-	34	31	26	94	-1
MT042	105841		61	63	-0.01	-	-	-	44	33	23	93	-1
MT042	105842		63	65	-0.01	-	-	-	39	28	19	96	-1
MT042	105843	Y	65	66	-0.01	-	-	-	65	25	22	94	-1
MT042	105844	Y	66	67	0.07	-	-	-	156	32	28	94	-1
MT042	105845	Y	67	68	0.09	-	-	-	212	30	29	88	-1
MT042	105846	Y	68	69	0.08	-	-	-	201	28	27	86	-1
MT042	105847	Y	69	70	1.14	1.04	6.89	-	352	30	34	90	-1
MT042	105848	Y	70	71	0.02	-	-	-	52	24	31	80	-1
MT042	105849		71	72	0.04	-	-	-	71	27	27	90	-1
MT042	105850		72	74	-0.01	-	-	-	63	30	29	85	-1
MT042	105851	Y	74	75	-0.01	-	-	-	106	27	21	91	-1
MT042	105852	Y	75	76	-0.01	-	-	-	560	31	23	92	-1

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT042	105853	Y	76	77	0.02	-	-	-	897	43	24	87	-1
MT042	105854	Y	77	78	0.01	-	-	-	419	30	21	95	-1
MT042	105855		78	79	-0.01	-	-	-	29	31	16	93	-1
MT042	105856		79	80	-0.01	-	-	-	73	27	23	98	-1
MT042	105857		80	81	-0.01	-	-	-	62	28	21	94	-1
MT042	105858		81	82	-0.01	-	-	-	38	32	18	93	-1
MT042	105859		82	84	-0.01	-0.01	-	-	48	29	21	98	-1
MT042	105860		84	86	-0.01	-	-	-	53	48	38	180	-1
MT042	105861		86	88	-0.01	-	-	-	36	30	22	96	-1
MT042	105862		88	90	-0.01	-	-	-	53	29	28	98	-1
MT042	105863		90	92	0.01	-	-	-	62	28	24	87	-1
MT042	105864		92	94	0.01	-	0.01	-	56	39	30	102	-1
MT042	105865		94	96	0.02	-	-	-	90	38	30	103	-1
MT042	105866		96	98	0.02	-	-	-	123	32	28	105	-1
MT042	105867		98	100	0.40	-	-	-	752	36	16	83	-1
MT042	106387	Y	98	99	-0.01	-0.01							
MT042	106388	Y	99	100	0.98	-							
MT042	105868		100	102	-0.01	-	-	-	47	21	19	75	-1
MT042	105869		102	104	-0.01	-	-	-	85	45	22	86	-1
MT042	105870		104	106	-0.01	-	-	-	83	34	17	77	-1
MT042	105871		106	108	-0.01	-	-	-	25	20	16	77	-1
MT042	105872		108	109	0.45	0.50	-	-	7400	25	60	121	-1
MT043	105873		0	2	0.01	-		-	6	15	20	51	-1
MT043	105874		2	4	0.01	-		-	14	53	17	72	-1
MT043	105875		4	6	0.01	-		-	12	19	13	70	-1
MT043	105876		6	8	0.02	-		-	16	9	9	84	-1
MT043	105877	Y	8	9	0.59	-		-	17	7	13	83	-1
MT043	105878		9	11	0.05	-		-	10	17	18	87	-1
MT043	105879		11	13	-0.01	-		-	1	14	7	85	-1
MT043	105880		13	15	0.01	-		-	-1	8	11	87	-1
MT043	105881	Y	15	16	0.23	-		0.12	13	5	14	70	-1
MT043	105882	Y	16	17	0.99	-		-	-1	11	34	74	-1
MT043	105883	Y	17	18	0.14	-		-	20	8	17	80	-1
MT043	105884		18	20	0.04	-		-	14	11	16	92	-1
MT043	105885	Y	20	21	-0.01	-		-	15	5	5	89	-1
MT043	105886		21	22	0.01	-		-	19	28	39	75	-1
MT043	105887	Y	22	23	-0.01	-		-	20	27	4	86	-1
MT043	105888	Y	23	24	-0.01	-		-	9	41	19	75	-1
MT043	105889	Y	24	25	-0.01	-		-	13	32	13	77	-1
MT043	105890		25	26	-0.01	-		-	2	59	11	84	-1
MT043	105891		26	28	-0.01	-		-	2	60	11	88	-1
MT043	105892	Y	28	29	0.26	-		-	3	16	9	92	-1
MT043	105893	Y	29	30	0.05	-		-	4	50	39	83	-1
MT043	105894		30	32	-0.01	-		-	1	15	6	89	-1
MT043	105895		32	34	-0.01	-		-	-1	8	6	84	-1
MT043	105896		34	36	-0.01	-		-	1	38	11	77	-1
MT043	105897		36	38	-0.01	-		-	-1	24	11	82	-1
MT043	105898		38	40	-0.01	-0.01		-	-1	16	12	82	-1
MT043	105899		40	42	-0.01	-		-	1	54	13	79	-1
MT043	105900		42	44	-0.01	-		-	2	65	13	82	-1
MT043	105901		44	46	-0.01	-		-	-1	33	9	80	-1
MT043	105902		46	48	-0.01	-		-	-1	126	17	66	-1
MT043	105903		48	50	-0.01	-		-	1	7	6	84	-1
MT043	105904		50	52	-0.01	-		-	-1	35	11	85	-1
MT043	105905		52	54	-0.01	-		-	-1	41	23	110	-1
MT043	105906		54	56	-0.01	-		-0.01	-1	40	34	132	-1
MT043	105907		56	58	-0.01	-		-	-1	25	24	118	-1
MT043	105908		58	60	-0.01	-		-	-1	9	10	82	-1
MT043	105909		60	62	-0.01	-		-	1	18	12	84	-1
MT043	105910		62	64	-0.01	-		-	1	51	16	88	-1
MT043	105911		64	66	-0.01	-		-	-1	56	15	86	-1
MT043	105912		66	68	-0.01	-		-	-1	8	12	82	-1
MT043	105913		68	70	0.01	-		-	-1	20	13	77	-1
MT043	105914		70	72	-0.01	-		-	-1	-2	6	77	-1
MT043	105915		72	74	-0.01	-0.01		-	-1	33	21	81	-1
MT043	105916		74	76	-0.01	-		-	-1	25	11	88	-1
MT043	105917		76	78	-0.01	-		-	2	23	14	74	-1

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT044	105918		0	2	-0.01	-		-	3	13	12	50	-1
MT044	105919		2	4	0.01	-		-	10	27	16	75	-1
MT044	105920		4	6	0.02	-		-	8	2	15	80	-1
MT044	105921		6	8	0.01	-		-	5	6	14	81	-1
MT044	105922		8	10	0.03	-		-	9	76	6	88	-1
MT044	105923		10	12	0.01	-		-	-1	36	19	90	-1
MT044	105924		12	14	-0.01	-		-	-1	55	11	83	-1
MT044	105925		14	16	-0.01	-		-	1	18	16	75	-1
MT044	105926		16	18	-0.01	-		-	X	13	12	78	-1
MT044	105927		18	20	-0.01	-		-	-1	34	7	87	-1
MT044	105928		20	22	-0.01	-		-	5	19	7	85	-1
MT044	105929	Y	22	23	0.02	-		-	26	6	16	78	-1
MT044	105930		23	25	-0.01	-		-	-1	24	7	79	-1
MT044	105931		25	27	0.10	-		0.49	28	20	21	83	-1
MT044	105932		27	29	0.10	-		-	9	35	12	74	-1
MT044	105933		29	31	-0.01	-		-	-1	5	-3	73	-1
MT044	105934		31	33	-0.01	-		-	8	7	28	80	-1
MT044	105935	Y	33	34	0.04	-		-	14	9	13	52	-1
MT044	105936	Y	34	35	0.07	-		-	47	7	13	75	-1
MT044	105937		35	37	0.40	-		-	32	44	78	81	-1
MT044	106389	Y	35	36	0.24	-							
MT044	106390	Y	36	37	0.29	-							
MT044	105938		37	39	-0.01	-		-	2	3	9	78	-1
MT044	105939		39	41	-0.01	-		-	1	11	12	83	-1
MT044	105940		41	43	-0.01	-		-	1	20	7	81	-1
MT044	105941		43	45	-0.01	-		-	-1	17	9	76	-1
MT044	105942		45	47	-0.01	-		-	-1	9	12	80	-1
MT044	105943		47	49	-0.01	-		-	-1	16	23	73	-1
MT044	105944		49	51	-0.01	-		-	-1	45	26	82	-1
MT044	105945		51	53	-0.01	-		-	1	17	14	79	-1
MT044	105946		53	55	-0.01	-		-	-1	11	14	90	-1
MT044	105947		55	57	-0.01	-		-	-1	22	8	84	-1
MT044	105948		57	59	-0.01	-		-	-1	13	12	89	-1
MT044	105949		59	61	-0.01	-		-	-1	20	12	84	-1
MT044	105950		61	63	-0.01	-		-	2	25	16	82	-1
MT044	105951		63	65	-0.01	-		-	1	19	13	83	-1
MT044	105952		65	67	-0.01	-0.01		-	-1	22	17	73	-1
MT044	105953		67	69	-0.01	-		-	1	17	7	79	-1
MT044	105954		69	71	-0.01	-		-	-1	26	15	81	-1
MT044	105955		71	73	-0.01	-		-	-1	10	13	82	-1
MT044	105956		73	75	-0.01	-		-0.01	-1	7	11	81	-1
MT044	105957		75	77	-0.01	-		-	-1	8	13	81	-1
MT044	105958		77	79	-0.01	-		-	1	18	10	81	-1
MT044	105959		79	80	0.17	0.13		-	-1	262	138	84	-1
MT044	105960		80	81	0.11	-		-	2	112	121	84	-1
MT044	105961		81	83	-0.01	-		-	-1	48	29	85	-1
MT044	105962		83	85	-0.01	-		-	-1	27	16	90	-1
MT044	105963		85	87	-0.01	-		-	-1	13	8	86	-1
MT044	105964		87	89	-0.01	-		-	2	7	11	90	-1
MT044	105965		89	91	-0.01	-		-	2	7	11	87	-1
MT044	105966		91	93	-0.01	-		-	3	8	8	85	-1
MT044	105967		93	95	-0.01	-		-	-1	6	9	82	-1
MT044	105968		95	97	-0.01	-0.01		-	1	4	10	86	-1
MT044	105969		97	99	-0.01	-		-	-1	13	14	86	-1
MT044	105970		99	102	-0.01	-		-	-1	10	6	88	-1
MT045	105971		4	6	0.34	0.36			380				
MT045	105972		6	8	0.03				40				
MT045	105973		8	10	0.03				115				
MT045	105974		10	12	1.66	1.51			150				
MT045	106411	Y	10	11	0.05				180				
MT045	106412	Y	11	12	0.03				90				
MT045	105975		12	14	-0.01				100				
MT045	105976		14	15	0.03				670				
MT045	105977		15	17	-0.01				55				
MT045	105978		17	19	-0.01				38				
MT045	105979	Y	19	20	0.12	0.12			1170				
MT045	105980	Y	20	21	0.13				1390				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT045	105981	Y	21	22	0.11				2740				
MT045	105982	Y	22	23	0.05				2150				
MT045	105983	Y	23	24	0.02				875				
MT045	105984		24	25	0.02				165				
MT045	105985		25	27	-0.01				240				
MT045	105986		27	29	0.03				225				
MT045	105987		29	31	0.10	0.05			220				
MT045	105988		31	33	-0.01				65				
MT045	105989		33	35	-0.01				65				
MT045	105990		35	37	0.02				235				
MT045	105991		37	39	0.05				105				
MT045	105992		39	41	-0.01				21				
MT045	105993		41	43	-0.01				41				
MT045	105994		43	45	0.04				42				
MT045	105995		45	47	-0.01				26				
MT045	105996		47	49	-0.01				21				
MT045	105997		49	51	0.08				42				
MT045	105998	Y	51	52	0.14	0.18			1900				
MT045	105999	Y	52	53	0.55	0.60			5900				
MT045	106000	Y	53	54	0.14	0.20			1550				
MT045	106001	Y	54	55	0.53	0.57			2750				
MT045	106002		55	56	0.50	0.56			695				
MT045	106003	Y	56	57	0.07				285				
MT045	106004	Y	57	58	0.09	0.10			70				
MT045	106005	Y	58	59	0.15				160				
MT045	106006	Y	59	60	0.13				125				
MT045	106007		60	62	0.06	0.05			155				
MT045	106008		62	64	-0.01				100				
MT045	106009		64	67	-0.01				39				
MT046	106010		0	2	0.02				23				
MT046	106011		2	4	0.05				13				
MT046	106012		4	6	0.12	0.10			15				
MT046	106013		6	8	0.07	0.05			205				
MT046	106014		8	10	0.01				115				
MT046	106015		10	12	-0.01				105				
MT046	106016		12	14	-0.01				230				
MT046	106017		14	16	-0.01				31				
MT046	106018		16	18	-0.01				55				
MT046	106019		18	20	-0.01				12				
MT046	106020		20	22	-0.01				4				
MT046	106021		22	24	-0.01				30				
MT046	106022		24	26	-0.01				33				
MT046	106023		26	28	-0.01				9				
MT046	106024		28	30	-0.01				260				
MT046	106025		30	32	-0.01				9				
MT046	106026		32	34	-0.01				4				
MT046	106027		34	36	-0.01				1				
MT046	106028		36	38	-0.01				4				
MT046	106029		38	40	-0.01	-0.01			6				
MT046	106030		40	42	-0.01				11				
MT046	106031		42	44	-0.01				4				
MT046	106032		44	46	-0.01				2				
MT046	106033		46	48	-0.01				18				
MT046	106034		48	50	-0.01				7				
MT046	106035		50	52	-0.01	-0.01			4				
MT046	106036		52	54	-0.01				24				
MT046	106037		54	56	-0.01				33				
MT046	106038		56	58	-0.01				32				
MT046	106039		58	60	-0.01				29				
MT046	106040		60	62	0.04				50				
MT046	106041		62	64	-0.01				13				
MT046	106042		64	66	-0.01				35				
MT046	106043		66	68	-0.01				44				
MT046	106044		68	70	-0.01				41				
MT046	106045		70	72	-0.01				55				
MT046	106046		72	73	-0.01				200				
MT046	106047	Y	73	74	0.04				715				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT046	106048		74	75	-0.01				85				
MT046	106049		75	76	0.20	0.31			315				
MT046	106050	Y	76	77	0.05				3530				
MT046	106051	Y	77	78	0.08				3120				
MT046	106052	Y	78	79	0.07				2440				
MT046	106053	Y	79	80	0.26				3170				
MT046	106054	Y	80	81	0.17	0.14			3390				
MT046	106055	Y	81	82	0.89	0.77			450				
MT046	106056	Y	82	83	2.10	2.15			8800				
MT046	106057	Y	83	84	2.30	2.40			8400				
MT046	106058	Y	84	85	0.10				1820				
MT046	106059	Y	85	86	0.55	0.54			1990				
MT046	106060	Y	86	87	6.75	5.85			4240				
MT046	106061	Y	87	88	0.21				3220				
MT046	106062	Y	88	89	0.30				720				
MT046	106063		89	90	0.04				200				
MT046	106064	Y	90	91	0.75	0.81			4970				
MT046	106065	Y	91	92	0.94	0.92			7900				
MT046	106066	Y	92	93	13.40	12.00			10500				
MT046	106067	Y	93	94	40.20	39.30			2840				
MT046	106068		94	96	2.80	2.95			900				
MT046	106417	Y	94	95	2.80	2.60			1020				
MT046	106418	Y	95	96	2.50	2.25			500				
MT046	106069		96	98	0.73				305				
MT046	106070		98	100	0.87				475				
MT046	106071		100	103	0.02				32				
MT047	106072		4	7	0.86	0.92			1530				
MT047	106073		7	9	0.36				280				
MT047	106074		9	11	0.06				75				
MT047	106075		11	13	0.02				31				
MT047	106076		13	15	0.07				42				
MT047	106077		15	17	0.06				55				
MT047	106078		17	19	0.04				25				
MT047	106079		19	21	-0.01	-0.01			22				
MT047	106080		21	23	-0.01				16				
MT047	106081		23	25	-0.01				36				
MT047	106082	Y	25	26	-0.01				205				
MT047	106083		26	28	-0.01				37				
MT047	106084		28	30	0.03				75				
MT047	106085		30	31	-0.01				43				
MT047	106086	Y	31	32	1.10	1.19			2690				
MT047	106087	Y	32	33	1.22	1.08			1280				
MT047	106088	Y	33	34	2.55	2.85			10700				
MT047	106089	Y	34	35	5.00	5.20			2760				
MT047	106090	Y	35	36	0.72				4390				
MT047	106091	Y	36	37	0.20				1410				
MT047	106092	Y	37	38	0.06				230				
MT047	106093	Y	38	39	0.05	0.04			70				
MT047	106094	Y	39	40	0.11				125				
MT047	106095	Y	40	41	0.09				160				
MT047	106096		41	43	0.03				42				
MT047	106097		43	45	0.02				32				
MT047	106098		45	47	-0.01				11				
MT047	106099		47	49	-0.01				6				
MT047	106100		49	51	-0.01				7				
MT047	106101		51	54	0.05				23				
MT048	106102		6	8	0.81	0.90			965				
MT048	106103		8	10	0.09				120				
MT048	106104		10	13	-0.01				26				
MT048	106105		13	14	-0.01				10				
MT048	106106		14	16	-0.01				21				
MT048	106107		16	17	0.02				35				
MT048	106108	Y	17	18	0.05				150				
MT048	106109	Y	18	19	0.07				215				
MT048	106110		19	21	-0.01	-0.01			90				
MT048	106111		21	23	-0.01				26				
MT048	106112		23	25	-0.01				29				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT048	106113	Y	25	26	-0.01				215				
MT048	106114		26	27	-0.01				55				
MT048	106115		27	28	-0.01				40				
MT048	106116		28	30	0.02				30				
MT048	106117		30	32	-0.01				30				
MT048	106118		32	34	-0.01				11				
MT048	106119		34	36	-0.01				8				
MT048	106120		36	38	-0.01	-0.01			24				
MT048	106121		38	40	-0.01				2				
MT048	106122		40	42	0.06				14				
MT048	106123		42	45	-0.01				35				
MT048	106124		45	47	-0.01				39				
MT048	106125	Y	47	48	0.26	0.20			155				
MT048	106126		48	49	0.07				105				
MT048	106127		49	51	-0.01				20				
MT048	106128		51	53	-0.01				23				
MT048	106129		53	55	0.04	0.09			43				
MT048	106130		55	57	0.18				2140				
MT048	106131		57	58	0.44	0.40			715				
MT048	106132		58	59	0.35	0.30			2870				
MT048	106133		59	60	0.10				1610				
MT048	106134		60	61	0.11				1300				
MT048	106135		61	62	0.09	0.10			955				
MT048	106136		62	63	0.32				1200				
MT048	106137	Y	63	64	0.30				3100				
MT048	106138	Y	64	65	1.75	2.00			4710				
MT048	106139	Y	65	66	0.35				2100				
MT048	106140	Y	66	67	0.62	0.63			2900				
MT048	106141		67	69	0.02				155				
MT048	106142		69	71	-0.01				85				
MT048	106143		71	73	-0.01				55				
MT048	106144		73	75	-0.01				40				
MT048	106145		75	77	-0.01				27				
MT048	106146		77	79	0.10	0.09			28				
MT048	106147		79	81	-0.01				30				
MT048	106148		81	83	-0.01				22				
MT048	106149		83	85	-0.01				18				
MT049	106150		2	5	0.23	0.30			140				
MT049	106151		5	7	0.10				75				
MT049	106152		7	9	0.15				40				
MT049	106153		9	11	-0.01	-0.01			44				
MT049	106154		11	13	0.07				20				
MT049	106155		13	15	-0.01				1				
MT049	106156		15	17	-0.01				-1				
MT049	106157		17	19	-0.01				-1				
MT049	106158		19	21	-0.01				1				
MT049	106159		21	23	-0.01				-1				
MT049	106160		23	25	-0.01	-0.01			32				
MT049	106161		25	27	-0.01				24				
MT049	106162		27	28	-0.01				31				
MT049	106163		28	29	0.05				80				
MT049	106164		29	30	0.13				75				
MT049	106165		30	31	0.04				55				
MT049	106166		31	32	0.06				28				
MT049	106167		32	33	0.18				50				
MT049	106168		33	35	-0.01				50				
MT049	106169		35	37	0.05				41				
MT049	106170		37	39	-0.01				48				
MT049	106171		39	41	-0.01				34				
MT049	106172		41	43	0.17	0.14			320				
MT049	106173		43	45	0.04				45				
MT049	106174		45	47	-0.01				36				
MT049	106175		47	49	-0.01				26				
MT049	106176		49	51	-0.01				36				
MT049	106177		51	53	-0.01	-0.01			30				
MT049	106178		53	55	-0.01				29				
MT049	106179		55	57	-0.01				30				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT049	106180		57	59	0.05				29				
MT049	106181		59	61	-0.01	-0.01			190				
MT049	106182		61	63	0.75	0.79	1.85	0.35	135				
MT049	106183	Y	63	64	0.77				3450				
MT049	106184	Y	64	65	0.57				1940				
MT049	106185		65	67	0.06	0.07			820				
MT049	106186		67	69	0.06				320				
MT049	106187		69	70	0.10				680				
MT049	106188		70	71	0.55	0.60			420				
MT049	106189	Y	71	72	4.50	5.05	2.40		4830				
MT049	106190	Y	72	73	16.70	18.30			4660				
MT049	106191	Y	73	74	0.63	0.70			3220				
MT049	106192		74	75	0.20	0.18			1370				
MT049	106193		75	76	0.14				1340				
MT049	106194	Y	76	77	0.19				2640				
MT049	106195	Y	77	78	0.21				3800				
MT049	106196		78	80	0.64				1130				
MT049	106413	Y	78	79	0.13				1230				
MT049	106414	Y	79	80	0.20				715				
MT049	106197		80	81	0.81	0.62			420				
MT049	106198	Y	81	82	0.78				4280				
MT049	106199	Y	82	83	0.09				2570				
MT049	106200		83	84	0.08				700				
MT049	106201	Y	84	85	0.08				735				
MT049	106202		85	86	0.05				425				
MT049	106203		86	87	0.03				155				
MT049	106204	Y	87	88	0.06				1130				
MT049	106205	Y	88	89	0.34	0.37			1520				
MT049	106206		89	91	0.05				355				
MT049	106207	Y	91	92	0.13				905				
MT049	106208		92	93	0.08				115				
MT049	106209		93	95	0.01				37				
MT049	106210		95	97	0.12	0.09			960				
MT049	106211		97	99	0.02				45				
MT049	106212		99	101	0.01				19				
MT049	106213		101	103	0.02				50				
MT049	106214		103	105	-0.01	0.01			17				
MT049	106215		105	107	0.02				21				
MT049	106216		107	109	-0.01				-1				
MT050	106217		2	5	0.20	0.13			440				
MT050	106218		5	7	0.07				35				
MT050	106219		7	9	0.01				15				
MT050	106220		9	11	0.02				16				
MT050	106221		11	13	-0.01				50				
MT050	106222	Y	13	14	0.06				19				
MT050	106223		14	16	-0.01				25				
MT050	106224		16	18	0.01				6				
MT050	106225		18	20	-0.01				3				
MT050	106226		20	22	0.01				4				
MT050	106227		22	24	0.01				1				
MT050	106228		24	26	0.02				10				
MT050	106229		26	28	0.02	-0.01			-1				
MT050	106230		28	30	0.01				3				
MT050	106231		30	32	0.01				12				
MT050	106232		32	34	-0.01				18				
MT050	106233		34	36	-0.01				7				
MT050	106234		36	38	-0.01				8				
MT050	106235		38	40	0.16	0.18			105				
MT050	106236		40	42	0.36	0.38			285				
MT050	106237		42	44	0.05				48				
MT050	106238		44	46	0.36				205				
MT050	106239		46	47	0.20				80				
MT050	106240	Y	47	48	0.13				1270				
MT050	106241	Y	48	49	0.10				960				
MT050	106242		49	50	0.06				135				
MT050	106243		50	52	0.02				110				
MT050	106244		52	54	0.02				25				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT050	106245		54	56	-0.01	-0.01			28				
MT050	106246		56	58	0.04				36				
MT050	106247		58	60	0.02				17				
MT050	106248		60	62	0.01				25				
MT050	106249		62	64	0.02				34				
MT050	106250		64	66	0.01				28				
MT050	106251		66	68	0.01				9				
MT050	106252		68	70	0.01				16				
MT050	106253		70	72	0.02				16				
MT050	106254		72	74	0.02	0.03			20				
MT050	106255		74	76	0.02	-0.01			10				
MT050	106256		76	78	0.03				10				
MT050	106257		78	80	0.04				175				
MT050	106258		80	82	0.02				160				
MT050	106259		82	84	0.01				2				
MT050	106260		84	86	0.01	0.02			5				
MT050	106261		86	88	0.02				4				
MT050	106262		88	90	-0.01				4				
MT050	106263		90	92	-0.01				7				
MT050	106264		92	94	-0.01				-1				
MT050	106265		94	96	-0.01				8				
MT050	106266		96	98	-0.01				10				
MT050	106267		98	100	-0.01				12				
MT050	106268		100	102	-0.01				75				
MT050	106269		102	104	-0.01				70				
MT050	106270		104	105	0.01				36				
MT050	106271		105	106	0.02				35				
MT050	106272		106	107	0.02				380				
MT050	106273		107	108	0.06				750				
MT050	106274		108	109	0.08				675				
MT050	106275		109	110	0.30	0.22			1590				
MT050	106276		110	111	1.56	1.63	2.50	7.40	2140				
MT050	106277		111	112	1.07	1.12	141.00	1.18	2030				
MT050	106278		112	113	67.60	61.20	82.00		1060				
MT050	106279		113	114	0.48	0.36	1.11		80				
MT050	106280		114	116	0.11	0.16			36				
MT050	106281		116	118	1.39	1.31			75				
MT050	106415		116	117	3.00	3.20			170				
MT050	106416		117	118	0.03	0.05			48				
MT050	106282		118	120	0.05				110				
MT050	106283		120	122	0.05				65				
MT050	106284		122	124	0.06				55				
MT050	106285		124	126	0.05	0.04			38				
MT050	106286		126	127	0.03				43				
MT051	106287		3	5	1.57	1.18			3170				
MT051	106288		5	8	1.05	1.00			1650				
MT051	106289		8	10	0.08				105				
MT051	106290		10	12	0.29				470				
MT051	106291		12	14	0.08				90				
MT051	106292	Y	14	15	1.17	1.09			3520				
MT051	106293	Y	15	16	2.25	1.93			8700				
MT051	106294	Y	16	17	0.54				5600				
MT051	106295	Y	17	18	0.32				2210				
MT051	106296		18	19	0.07				505				
MT051	106297	Y	19	20	0.28	0.30			340				
MT051	106298	Y	20	21	0.80				1600				
MT051	106299	Y	21	22	0.50				2340				
MT051	106300	Y	22	23	0.50				2290				
MT051	106501	Y	23	24	0.63				3720				
MT051	106502	Y	24	25	0.56				1040				
MT051	106503	Y	25	26	0.31				690				
MT051	106504		26	28	0.06				585				
MT051	106505		28	30	0.02				50				
MT051	106506		30	32	0.10				115				
MT051	106507		32	34	0.03				25				
MT051	106508		34	36	-0.01				17				
MT051	106509		36	38	-0.01				22				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT051	106510		38	40	-0.01	-0.01			25				
MT051	106511		40	43	-0.01				43				
MT052	106512		2	4	0.05				75				
MT052	106513		4	6	-0.01				60				
MT052	106514		6	8	0.02				70				
MT052	106515		8	10	0.25				50				
MT052	106516		10	12	1.54	1.46	2.45	0.42	310				
MT052	106409	Y	10	11	0.15				160				
MT052	106410	Y	11	12	0.32				315				
MT052	106517		12	13	0.13				210				
MT052	106518	Y	13	14	0.18				350				
MT052	106519	Y	14	15	3.60	3.40	9.10	2.05	3260				
MT052	106520	Y	15	16	1.24				6700				
MT052	106521	Y	16	17	7.85	8.70	11.40		3010				
MT052	106522	Y	17	18	1.39	1.29			3910				
MT052	106523	Y	18	19	1.30				1310				
MT052	106524		19	20	4.00	3.70	2.05	3.40	1290				
MT052	106525	Y	20	21	2.50				3360				
MT052	106526	Y	21	22	3.30	3.75			4200				
MT052	106527	Y	22	23	0.68				3550				
MT052	106528	Y	23	24	0.81				4170				
MT052	106529	Y	24	25	1.61				1120				
MT052	106530	Y	25	26	0.07				1110				
MT052	106531	Y	26	27	1.93				7100				
MT052	106532	Y	27	28	30.00	31.60			13600				
MT052	106533	Y	28	29	0.39				3480				
MT052	106534	Y	29	30	1.00				10100				
MT052	106535	Y	30	31	1.11	1.09			12100				
MT052	106536	Y	31	32	0.84				9800				
MT052	106537	Y	32	33	0.42				6800				
MT052	106538	Y	33	34	0.76				13200				
MT052	106539	Y	34	35	0.85				11200				
MT052	106540	Y	35	36	0.42				6800				
MT052	106541	Y	36	37	0.92	0.82			5300				
MT052	106542	Y	37	38	0.67	0.74			6100				
MT052	106543	Y	38	39	0.33	0.33			5400				
MT052	106544	Y	39	40	0.34				4050				
MT052	106545	Y	40	41	0.79				10100				
MT052	106546	Y	41	42	1.14	0.91			11900				
MT052	106547	Y	42	43	0.27				2210				
MT052	106548	Y	43	44	0.39				1390				
MT052	106549	Y	44	45	0.05				205				
MT052	106550		45	47	-0.01				32				
MT052	106551		47	48	-0.01				39				
MT052	106552		48	49	-0.01				39				
MT052	106553		49	51	-0.01				50				
MT052	106554		51	53	-0.01	-0.01			44				
MT052	106555		53	55	-0.01				31				
MT052	106556		55	57	-0.01				24				
MT052	106557		57	59	-0.01				24				
MT052	106558		59	61	-0.01				10				
MT052	106559		61	63	-0.01				3				
MT052	106560		63	65	-0.01	-0.01			35				
MT052	106561		65	67	-0.01				15				
MT052	106562		67	69	-0.01				5				
MT052	106563		69	71	-0.01				4				
MT052	106564		71	73	-0.01				6				
MT052	106565		73	75	-0.01				3				
MT052	106566		75	77	-0.01				20				
MT052	106567		77	79	-0.01				10				
MT052	106568		79	81	-0.01				18				
MT052	106569		81	83	-0.01				11				
MT052	106570		83	85	-0.01				10				
MT052	106571		85	87	-0.01				3				
MT052	106572		87	89	-0.01	-0.01			8				
MT052	106573		89	91	-0.01				17				
MT052	106574		91	93	-0.01				6				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT052	106575		93	95	-0.01				20				
MT052	106576		95	97	-0.01				13				
MT052	106577		97	99	-0.01				10				
MT052	106578		99	101	-0.01				19				
MT052	106579		101	103	-0.01				40				
MT052	106580		103	105	-0.01				21				
MT052	106581		105	107	-0.01				26				
MT052	106582		107	109	-0.01				20				
MT053	106583		2	4	0.31	0.33			415				
MT053	106584		4	6	-0.01	-0.01			20				
MT053	106585		6	7	-0.01				15				
MT053	106586	Y	7	8	0.46				1130				
MT053	106587	Y	8	9	3.70	3.25			2670				
MT053	106588	Y	9	10	1.47	1.61			1030				
MT053	106589	Y	10	11	0.27				1300				
MT053	106590	Y	11	12	0.19	0.17			790				
MT053	106591		12	13	1.46	1.17			910				
MT053	106592		13	14	-0.01				55				
MT053	106593		14	16	-0.01				20				
MT053	106594		16	18	-0.01				18				
MT053	106595		18	20	-0.01				36				
MT053	106596		20	22	-0.01				30				
MT053	106597		22	24	-0.01				3				
MT053	106598		24	26	-0.01				29				
MT053	106599		26	27	-0.01				105				
MT053	106600		27	28	0.06				595				
MT053	106601		28	30	-0.01				55				
MT053	106602		30	31	0.06				46				
MT053	106603		31	32	0.22				2520				
MT053	106604		32	34	0.29				395				
MT053	106605		34	36	-0.01				14				
MT053	106606		36	38	-0.01				19				
MT053	106607		38	40	-0.01				36				
MT053	106608		40	42	-0.01	-0.01			12				
MT053	106609		42	44	-0.01				26				
MT053	106610		44	46	-0.01				47				
MT053	106611		46	47	0.10				2110				
MT053	106612	Y	47	48	0.04				845				
MT053	106613	Y	48	49	0.02				695				
MT053	106614		49	50	-0.01				230				
MT053	106615		50	51	0.09				150				
MT053	106616	Y	51	52	0.12	0.11			375				
MT053	106617	Y	52	53	0.16				230				
MT053	106618	Y	53	54	0.15				360				
MT053	106619	Y	54	55	0.03				90				
MT053	106620		55	56	0.04				385				
MT053	106621		56	58	-0.01				50				
MT053	106622		58	60	-0.01				10				
MT053	106623		60	62	-0.01				6				
MT053	106624		62	64	-0.01				3				
MT053	106625		64	67	-0.01				4				
MT054	106626		1	3	0.34	0.42			60				
MT054	106627		5	6	-0.01	-0.01			120				
MT054	106628	Y	6	7	0.08				330				
MT054	106629		7	9	0.06	0.06			605				
MT054	106630	Y	9	10	0.03				380				
MT054	106631	Y	10	11	-0.01				220				
MT054	106632	Y	11	12	-0.01				125				
MT054	106633	Y	12	13	-0.01				315				
MT054	106634	Y	13	14	0.15				585				
MT054	106635	Y	14	15	0.30				825				
MT054	106636	Y	15	16	0.10				685				
MT054	106637		16	18	0.07				730				
MT054	106638	Y	18	19	0.07				560				
MT054	106639	Y	19	20	0.19				890				
MT054	106640	Y	20	21	0.57	0.74			470				
MT054	106641	Y	21	22	0.11	0.13			170				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT054	106642	Y	22	23	0.22				830				
MT054	106643	Y	23	24	0.16				2750				
MT054	106644	Y	24	25	0.52	0.44			1260				
MT054	106645	Y	25	26	0.06				2310				
MT054	106646	Y	26	27	0.15				2800				
MT054	106647	Y	27	28	0.08				1360				
MT054	106648	Y	28	29	0.05				2090				
MT054	106649	Y	29	30	0.03				980				
MT054	106650	Y	30	31	22.20	25.90			7300				
MT054	106651	Y	31	32	9.60	9.60			6000				
MT054	106652	Y	32	33	1.70	1.76			8500				
MT054	106653	Y	33	34	0.36	0.45			805				
MT054	106654		34	35	0.32				460				
MT054	106655		35	36	0.15				620				
MT054	106656	Y	36	37	0.04				1530				
MT054	106657		37	38	0.11				945				
MT054	106658		38	40	-0.01				125				
MT055	106659		4	6	-0.01				100				
MT055	106660		6	8	-0.01				175				
MT055	106661		8	10	-0.01	-0.01			125				
MT055	106662		10	12	0.65				30				
MT055	106663		12	14	0.20	0.18			205				
MT055	106664		14	16	-0.01				110				
MT055	106665		16	18	-0.01	-0.01			14				
MT055	106666		18	20	-0.01	-0.01			43				
MT055	106667		20	22	-0.01				37				
MT055	106668		22	24	-0.01				55				
MT055	106669		24	26	-0.01				46				
MT055	106670		26	28	-0.01				24				
MT055	106671		28	30	-0.01				50				
MT055	106672		30	32	-0.01				150				
MT055	106673		32	33	-0.01				580				
MT055	106674		33	34	0.16				920				
MT055	106675	Y	34	35	0.02				520				
MT055	106676	Y	35	36	0.39	0.42			980				
MT055	106677	Y	36	37	0.06				170				
MT055	106678	Y	37	38	0.04				265				
MT055	106679	Y	38	39	0.19	0.21			5300				
MT055	106680	Y	39	40	-0.01				360				
MT055	106681		40	42	-0.01				90				
MT055	106682		42	44	-0.01				420				
MT055	106683	Y	44	45	0.04				1560				
MT055	106684		45	46	2.90	2.80			1570				
MT055	106685	Y	46	47	56.80	68.70			350				
MT055	106686	Y	47	48	5.15	5.85			830				
MT055	106687	Y	48	49	7.20	6.70			1090				
MT055	106688	Y	49	50	2.50	2.70			4610				
MT055	106689	Y	50	51	0.41	0.50			6100				
MT055	106690	Y	51	52	0.31				1330				
MT055	106691	Y	52	53	1.21	1.04			8100				
MT055	106692	Y	53	54	0.50				5300				
MT055	106693		54	55	10.70	10.10			1170				
MT055	106694		55	56	0.02				685				
MT055	106695		56	58	-0.01				90				
MT055	106696		58	60	-0.01				41				
MT055	106697		60	62	-0.01				38				
MT055	106698		62	64	-0.01				10				
MT055	106699		64	66	-0.01				32				
MT055	106700		66	68	0.46	0.33			47				
MT055	106701		68	70	0.05				34				
MT055	106702		70	72	0.02				32				
MT055	106703		72	74	-0.01				30				
MT055	106704		74	76	-0.01				80				
MT055	106705		76	78	0.02				31				
MT055	106706		78	80	-0.01				4				
MT055	106707		80	82	-0.01				11				
MT055	106708		82	84	-0.01	-0.01			20				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT055	106709		84	86	-0.01				48				
MT055	106710	Y	86	87	0.06				1420				
MT055	106711	Y	87	88	0.14	0.08			2560				
MT055	106712		88	90	-0.01				21				
MT055	106713		90	92	-0.01				43				
MT055	106714		92	94	-0.01				14				
MT055	106715		94	96	-0.01				21				
MT055	106716		96	98	-0.01	-0.01			55				
MT055	106717		98	100	-0.01				39				
MT055	106718		100	102	-0.01				100				
MT055	106719		102	103	0.24	0.33			1830				
MT055	106720	Y	103	104	0.16				1050				
MT055	106721	Y	104	105	0.07				500				
MT055	106722	Y	105	106	0.19				2400				
MT055	106723		106	107	0.03				155				
MT055	106724	Y	107	108	0.21				675				
MT055	106725		108	109	0.60	0.50			1910				
MT055	106726		109	110	0.20				1220				
MT055	106727		110	111	0.20				1250				
MT055	106728		111	113	0.02				170				
MT055	106729		113	115	0.05				215				
MT056	106730		0	2	0.12				240				
MT056	106731		2	4	0.12				220				
MT056	106732	Y	4	5	0.06				230				
MT056	106733		5	8	-0.01				345				
MT056	106734		8	10	0.02				265				
MT056	106735		10	12	0.01				345				
MT056	106736		12	14	0.02				380				
MT056	106737		14	16	-0.01	-0.01			560				
MT056	106738		16	18	0.07				510				
MT056	106739		18	20	-0.01				390				
MT056	106740		20	22	-0.01				32				
MT056	106741		22	24	0.04	0.03			350				
MT056	106742		24	26	0.02				295				
MT056	106743		26	27	0.11				885				
MT056	106744		27	28	0.03				415				
MT056	106745	Y	28	29	0.03				105				
MT056	106746	Y	29	30	0.19				85				
MT056	106747	Y	30	31	0.03				42				
MT056	106748	Y	31	32	-0.01				40				
MT056	106749		32	33	0.02				43				
MT056	106750		33	34	0.10				60				
MT056	106751		34	36	0.04				125				
MT056	106752		36	38	-0.01				60				
MT056	106753		38	40	-0.01				85				
MT056	106754		40	41	-0.01				48				
MT056	106755	Y	41	42	0.36	0.32			4660				
MT056	106756		42	43	0.02				340				
MT056	106757		43	44	0.54	0.66			250				
MT056	106758		44	45	-0.01				75				
MT056	106759		45	47	-0.01				47				
MT056	106760		47	49	-0.01				210				
MT056	106761		49	51	-0.01				150				
MT056	106762		51	53	-0.01				70				
MT056	106763		53	55	-0.01				55				
MT056	106764		55	57	-0.01				60				
MT056	106765		57	58	0.41				85				
MT056	106766		58	59	0.17	0.17			100				
MT056	106767		59	60	2.70	3.10			1500				
MT056	106768		60	61	0.70	0.79			375				
MT056	106769		61	62	0.15				225				
MT056	106770		62	63	0.10				890				
MT056	106771		63	65	0.02				205				
MT056	106772		65	67	0.08				290				
MT056	106773		67	69	0.31				1690				
MT056	106774		69	70	0.43	0.36			6400				
MT056	106775	Y	70	71	1.51	1.35			12000				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT056	106776	Y	71	72	3.55	4.15			23100				
MT056	106777	Y	72	73	1.64	1.58			7300				
MT056	106778		73	74	0.51				2040				
MT056	106779		74	76	0.26				2020				
MT056	106780		76	78	0.21				1330				
MT056	106781		78	79	0.30				3560				
MT056	106782	Y	79	80	0.22				1400				
MT056	106783	Y	80	81	1.29	1.28			4720				
MT056	106784	Y	81	82	5.25	4.80			10700				
MT056	106785	Y	82	83	0.75				7300				
MT056	106786	Y	83	84	2.05	2.00			5500				
MT056	106787	Y	84	85	10.10	8.85			10700				
MT056	106788	Y	85	86	3.20	2.85			5900				
MT056	106789		86	87	1.58	1.65			4690				
MT056	106790		87	89	0.67				2720				
MT056	106791		89	91	0.08	0.10			380				
MT056	106792		91	93	0.06				810				
MT056	106793		93	95	0.08				150				
MT056	106794		95	97	0.03				110				
MT056	106795		97	99	0.05	0.01			55				
MT056	106796		99	101	0.00				5				
MT056	106797		101	103	0.04				60				
MT056	106798		103	105	-0.01				14				
MT056	106799		105	107	-0.01				9				
MT056	106800		107	109	-0.01				90				
MT056	106801		109	111	0.02				17				
MT056	106802		111	114	-0.01				19				
MT057	106803		1	3	0.16				730				
MT057	106804		3	5	0.10				755				
MT057	106805		5	7	0.11				870				
MT057	106806		7	9	0.10				675				
MT057	106807		9	11	0.55				845				
MT057	106808		11	12	0.31				1530				
MT057	106809	Y	12	13	1.08				1100				
MT057	106810	Y	13	14	0.72				4080				
MT057	106811	Y	14	15	2.30	2.20			4850				
MT057	106812		15	16	1.00	1.14			4580				
MT057	106813		16	18	0.07				610				
MT057	106814		18	20	0.26				930				
MT057	106815		20	21	0.16				2920				
MT057	106816	Y	21	22	1.88				7500				
MT057	106817	Y	22	23	1.95	2.15			6200				
MT057	106818		23	24	0.08	0.06			895				
MT057	106819		24	25	0.81	0.81			4260				
MT057	106820		25	26	0.15	0.14			2100				
MT057	106821		26	28	0.63	0.48			980				
MT057	106822		28	29	0.14	3.00			525				
MT057	106823		29	30	1.23	1.41			4490				
MT057	106824	Y	30	31	0.64				5700				
MT057	106825		31	32	0.85	0.79			5300				
MT057	106826		32	33	0.27				1550				
MT057	106827	Y	33	34	0.35				2610				
MT057	106828	Y	34	35	0.23				3130				
MT057	106829		35	36	0.02				310				
MT057	106830		36	38	0.14				1570				
MT057	106831		38	40	0.26				595				
MT057	106832		40	41	0.25				895				
MT057	106833	Y	41	42	0.62				5800				
MT057	106834	Y	42	43	4.40	4.30			12200				
MT057	106835	Y	43	44	3.40	3.20			9500				
MT057	106836		44	45	0.23				1420				
MT057	106837	Y	45	46	1.49	1.53			3880				
MT057	106838	Y	46	47	0.22				24				
MT057	106839		47	49	0.01				50				
MT057	106840		49	51	-0.01				48				
MT057	106841		51	53	-0.01				42				
MT057	106842		53	55	-0.01				45				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT057	106843		55	56	-0.01				45				
MT057	106844		56	57	0.05				485				
MT057	106845		57	58	0.19				1830				
MT057	106846		58	59	1.16	1.12			1070				
MT057	106847		59	61	0.02				165				
MT057	106848		61	63	0.04				100				
MT057	106849		63	65	0.01				155				
MT057	106850		65	67	0.03				23				
MT057	106851		67	69	0.09				650				
MT057	106852		69	71	0.04				220				
MT057	106853		71	73	0.01				38				
MT057	106854		73	75	-0.01	-0.01			43				
MT057	106855		75	77	-0.01				25				
MT057	106856		77	79	0.02				120				
MT057	106857		79	81	-0.01				23				
MT057	106858		81	83	-0.01				12				
MT057	106859		83	86	-0.01				55				
MT057	106860		86	88	0.04				43				
MT057	106861		88	89	0.18				2450				
MT057	106862	Y	89	90	0.37	0.37			6500				
MT057	106863		90	91	0.14				405				
MT057	106864		91	92	0.09	0.07			930				
MT057	106865		92	94	0.02				65				
MT057	106866		94	97	0.03				17				
MT057	106867		97	99	-0.01				70				
MT057	106868	Y	99	100	0.29	0.30			445				
MT057	106869		100	102	-0.01				18				
MT057	106870		102	104	-0.01				22				
MT057	106871		104	106	-0.01				30				
MT057	106872		106	108	-0.01				4				
MT057	106873		108	110	-0.01				-1				
MT057	106874		110	112	-0.01				-1				
MT057	106875		112	115	-0.01				-1				
MT058	106876		0	2	1.05	1.06			1550				
MT058	106877		2	4	0.20				1140				
MT058	106878		4	6	0.12				705				
MT058	106879		6	7	-0.01				810				
MT058	106880		7	9	0.33	0.32			1010				
MT058	106881		9	11	-0.01				395				
MT058	106882		11	13	0.07				700				
MT058	106883		13	15	0.63	0.58			725				
MT058	106884		15	17	-0.01				335				
MT058	106885		17	19	-0.01				460				
MT058	106886		19	21	0.01				320				
MT058	106887		21	23	-0.01	-0.01			355				
MT058	106888		23	25	-0.01	-0.01			105				
MT058	106889		25	27	-0.01				70				
MT058	106890		27	29	0.02				145				
MT058	106891		29	31	0.01				21				
MT058	106892		31	33	-0.01				50				
MT058	106893		33	34	-0.01				24				
MT058	106894	Y	34	35	0.68				2110				
MT058	106895	Y	35	36	1.24				6800				
MT058	106896	Y	36	37	3.70	3.15			7500				
MT058	106897	Y	37	38	0.32				830				
MT058	106898	Y	38	39	0.48				3600				
MT058	106899	Y	39	40	0.34				695				
MT058	106900	Y	40	41	11.40	11.80			10800				
MT058	106901	Y	41	42	11.30	10.50			1900				
MT058	106902	Y	42	43	1.63				2820				
MT058	106903		43	44	0.46				885				
MT058	106904		44	45	0.03				85				
MT058	106905		45	46	0.03				105				
MT058	106906		46	48	0.01				60				
MT058	106907		48	49	0.04	0.01			205				
MT058	106908	Y	49	50	0.08				725				
MT058	106909		50	51	0.17				1370				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT058	106910		51	53	0.29	0.22			700				
MT058	106911		53	54	0.06	0.07			690				
MT058	106912	Y	54	55	0.28	0.28			7400				
MT058	106913		55	57	0.12				530				
MT058	106914		57	59	0.02				50				
MT058	106915		59	61	0.11				80				
MT058	106916		61	63	0.06				90				
MT058	106917		63	65	0.04				55				
MT058	106918		65	67	0.05				55				
MT058	106919		67	69	0.01				5				
MT058	106920		69	71	0.08				28				
MT058	106921		71	73	-0.01				75				
MT058	106922		73	76	0.04				26				
MT058	106923		76	77	0.01				50				
MT058	106924		77	79	0.09	0.08			20				
MT058	106925		79	81	0.10	0.14			31				
MT058	106926		81	83	0.11				14				
MT058	106927		83	85	0.03	0.02			28				
MT059	106928		0	2	0.20				240				
MT059	106929		2	4	0.15				210				
MT059	106930		4	6	0.04				340				
MT059	106931		6	8	0.04	0.03			215				
MT059	106932		8	10	-0.01				105				
MT059	106933		10	12	0.10				875				
MT059	106934	Y	12	13	0.48				4910				
MT059	106935	Y	13	14	0.08				1300				
MT059	106936	Y	14	15	0.24				2050				
MT059	106937		15	16	0.08				735				
MT059	106938		16	18	0.08				330				
MT059	106939		18	19	0.24				1070				
MT059	106940		19	20	0.21				1340				
MT059	106941	Y	20	21	0.90	0.91			3270				
MT059	106942	Y	21	22	0.27				1550				
MT059	106943	Y	22	23	0.20				550				
MT059	106944		23	24	3.75	3.35			1210				
MT059	106945		24	26	0.02				95				
MT059	106946		26	27	0.02				90				
MT059	106947		27	28	0.25				470				
MT059	106948	Y	28	29	1.71	1.41			7300				
MT059	106949	Y	29	30	0.87	0.92			9100				
MT059	106950	Y	30	31	0.71				8600				
MT059	106951	Y	31	32	1.12	1.26			10800				
MT059	106952	Y	32	33	1.44	1.40			5600				
MT059	106953	Y	33	34	5.60	10.90	13.20	6.90	9400				
MT059	106954		34	35	0.04				1100				
MT059	106955		35	36	0.12				865				
MT059	106956		36	38	0.06				165				
MT059	106957		38	40	0.29				190				
MT059	106958		40	42	-0.01				165				
MT059	106959		42	44	-0.01				175				
MT059	106960		44	46	0.06				270				
MT059	106961		46	48	0.08				445				
MT059	106962		48	50	0.03				41				
MT059	106963		50	52	-0.01				48				
MT059	106964		52	54	-0.01				43				
MT059	106965		54	55	0.15	0.17			1170				
MT059	106966		55	57	0.02				355				
MT059	106967		57	59	-0.01				42				
MT059	106968		59	61	0.05				60				
MT059	106969		61	63	-0.01				47				
MT059	106970	Y	63	64	0.11				430				
MT059	106971		64	65	-0.01				140				
MT059	106972		65	66	-0.01	-0.01			65				
MT059	106973	Y	66	67	0.15	0.12			1270				
MT059	106974		67	69	0.10				140				
MT059	106975		69	71	0.05				470				
MT059	106976		71	72	0.06	0.04			140				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT059	106977		72	74	0.19	0.18			2830				
MT059	106978		74	76	-0.01				65				
MT059	106979		76	78	-0.01				14				
MT059	106980		78	80	-0.01				21				
MT059	106981		80	82	-0.01				10				
MT059	106982		82	85	-0.01				16				
MT060	106983		0	2	0.46	0.45			1730				
MT060	106984		2	4	0.08				290				
MT060	106985		4	6	0.02	0.01			485				
MT060	106986		6	8	0.06				505				
MT060	106987		8	10	0.05				385				
MT060	106988		10	12	0.03				535				
MT060	106989		12	14	0.11				710				
MT060	106990		14	16	0.21				815				
MT060	106991	Y	16	17	4.60	5.10			4280				
MT060	106992		17	19	0.51				1350				
MT060	106993		19	21	0.09				215				
MT060	106994		21	22	0.17				145				
MT060	106995	Y	22	23	0.94	0.87			1980				
MT060	106996		23	24	0.18				545				
MT060	106997	Y	24	25	1.47	1.10			2940				
MT060	106998	Y	25	26	0.61				1280				
MT060	106999	Y	26	27	0.16				2450				
MT060	107000	Y	27	28	0.48				3120				
MT060	107251	Y	28	29	0.15	0.18			980				
MT060	107252		29	30	0.23				235				
MT060	107253		30	32	0.03				210				
MT060	107254		32	34	-0.01				70				
MT060	107255		34	36	-0.01				32				
MT060	107256		36	38	0.05				190				
MT060	107257		38	39	0.19				2720				
MT060	107258		39	40	0.30				535				
MT060	107259		40	41	0.22				1140				
MT060	107260	Y	41	42	1.28	0.83	0.36	3.10	2190				
MT060	107261	Y	42	43	0.42	0.47			3650				
MT060	107262	Y	43	44	2.15	2.25			4730				
MT060	107263	Y	44	45	0.98				7100				
MT060	107264	Y	45	46	3.35	3.65			11800				
MT060	107265		46	47	0.09				4350				
MT060	107266		47	48	0.74	0.72			11400				
MT060	107267		48	49	0.34				1030				
MT060	107268	Y	49	50	0.46				4570				
MT060	107269	Y	50	51	0.80				4620				
MT060	107270		51	52	0.43				4140				
MT060	107271		52	53	1.18	1.13			6600				
MT060	107272	Y	53	54	0.87	0.93			2960				
MT060	107273	Y	54	55	3.20	2.80			4590				
MT060	107274		55	56	1.40	5.90	2.75	1.79	4760				
MT060	107275		56	58	0.08	0.12			810				
MT060	107276		58	59	0.08	0.06			1460				
MT060	107277	Y	59	60	0.19				2590				
MT060	107278	Y	60	61	0.41				6600				
MT060	107279	Y	61	62	4.70	2.15	0.57	0.39	5600				
MT060	107280	Y	62	63	0.32				5400				
MT060	107281	Y	63	64	0.46				7200				
MT060	107282	Y	64	65	0.84				9500				
MT060	107283	Y	65	66	0.37				6300				
MT060	107284	Y	66	67	0.59				9000				
MT060	107285	Y	67	68	0.97	0.92			18000				
MT060	107286	Y	68	69	0.88				10300				
MT060	107287	Y	69	70	0.40				4200				
MT060	107288		70	71	0.05				285				
MT060	107289		71	73	0.23				155				
MT060	107290		73	75	0.15				480				
MT060	107291		75	77	0.40	0.87	1.23	0.43	90				
MT060	107292		77	79	0.20				36				
MT060	107293		79	81	0.11				21				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT060	107294		81	83	0.19				12				
MT060	107295		83	85	0.28				19				
MT060	107296		85	87	0.62	0.67			75				
MT060	107297		87	89	0.42				33				
MT060	107298		89	91	0.20				14				
MT060	107299		91	93	0.05				30				
MT060	107300		93	95	0.03				35				
MT060	107301		95	97	0.05	0.06			40				
MT060	107302		97	99	0.02				25				
MT060	107303		99	101	0.10				28				
MT060	107304		101	103	0.02				3				
MT061	107305		0	2	0.08				75				
MT061	107306		2	4	0.02				9				
MT061	107307		4	6	0.02				12				
MT061	107308		6	8	0.02				18				
MT061	107309		8	10	0.07				27				
MT061	107310		10	12	-0.01				-1				
MT061	107311		12	14	-0.01				-1				
MT061	107312		14	16	0.02				-1				
MT061	107313		16	18	0.01				1				
MT061	107314		18	20	0.01				28				
MT061	107315		20	22	-0.01				5				
MT061	107316		22	24	-0.01				-1				
MT061	107317		24	26	-0.01				9				
MT061	107318		26	28	-0.01				10				
MT061	107319		28	29	-0.01				4				
MT061	107320	Y	29	30	-0.01				15				
MT061	107321		30	31	0.06				365				
MT061	107322		31	33	0.05				145				
MT061	107323		33	35	0.03				150				
MT061	107324		35	37	0.55				42				
MT061	107325		37	39	0.15				205				
MT061	107326		39	41	0.09	0.08			37				
MT061	107327		41	42	0.02	0.02			41				
MT061	107328		42	43	0.16				395				
MT061	107329		43	44	0.04				100				
MT061	107330		44	46	0.02				40				
MT061	107331		46	48	-0.01				37				
MT061	107332		48	50	-0.01	-0.01			42				
MT061	107333		50	52	-0.01				55				
MT061	107334		52	54	-0.01				26				
MT061	107335		54	56	-0.01				27				
MT061	107336		56	58	-0.01				25				
MT061	107337		58	60	0.07				100				
MT061	107338		60	61	0.07				165				
MT061	107339	Y	61	62	0.35	0.37			1260				
MT061	107340	Y	62	63	0.13				1090				
MT061	107341		63	65	0.04				80				
MT061	107342		65	67	-0.01				39				
MT061	107343		67	68	0.03				500				
MT061	107344	Y	68	69	1.12	0.81			4100				
MT061	107345	Y	69	70	0.03				80				
MT061	107346	Y	70	71	-0.01				150				
MT061	107347	Y	71	72	0.04				120				
MT061	107348		72	74	-0.01				31				
MT061	107349		74	76	-0.01				7				
MT061	107350		76	78	-0.01				7				
MT061	107351		78	80	-0.01	-0.01			31				
MT061	107352		80	82	-0.01	-0.01			1				
MT061	107353		82	84	-0.01				-1				
MT061	107354		84	86	-0.01				11				
MT061	107355		86	88	-0.01				-1				
MT061	107356		88	90	-0.01				2				
MT062	107357		0	2	-0.01				2				
MT062	107358		2	3	-0.01				1				
MT062	107359		3	5	-0.01	-0.01			4				
MT062	107360		5	7	-0.01				1				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT062	107361		7	9	-0.01				1				
MT062	107362		9	11	-0.01				16				
MT062	107363		11	13	-0.01				4				
MT062	107364		13	15	0.10				34				
MT062	107365		15	16	0.48	0.42			50				
MT062	107366		16	18	0.06	0.06			45				
MT062	107367		18	20	0.03				30				
MT062	107368		20	22	-0.01				26				
MT062	107369		22	23	-0.01				15				
MT062	107370		23	24	0.04	0.04			110				
MT062	107371		24	25	0.03				210				
MT062	107372		25	26	-0.01				11				
MT062	107373		26	27	-0.01				14				
MT062	107374		27	28	-0.01				20				
MT062	107375		28	29	4.40	7.90	11.10	11.00	4100				
MT062	107376		29	31	-0.01				44				
MT062	107377		31	33	-0.01				26				
MT062	107378		33	35	-0.01	-0.01			23				
MT062	107379		35	37	0.07				35				
MT062	107380		37	39	0.11				205				
MT062	107381		39	41	0.42	0.33			34				
MT062	107382	Y	41	42	0.29				60				
MT062	107383	Y	42	43	0.09				55				
MT062	107384	Y	43	44	-0.01				26				
MT062	107385		44	45	0.04				10				
MT062	107386		45	47	-0.01				11				
MT062	107387		47	49	-0.01				7				
MT062	107388		49	51	-0.01				8				
MT062	107389		51	53	-0.01				9				
MT062	107390		53	55	-0.01				18				
MT062	107391		55	57	-0.01	-0.01			16				
MT062	107392		57	59	-0.01				40				
MT062	107393		59	61	-0.01				10				
MT062	107394		61	63	-0.01				9				
MT062	107395		63	65	-0.01				4				
MT062	107396		65	67	-0.01				5				
MT062	107397		67	69	-0.01				3				
MT062	107398		69	71	-0.01				1				
MT062	107399		71	73	-0.01				-1				
MT062	107400		73	75	-0.01				4				
MT062	107401		75	77	-0.01				4				
MT062	107402		77	79	-0.01				6				
MT062	107403		79	81	-0.01				-1				
MT062	107404		81	83	-0.01				-1				
MT062	107405		83	85	-0.01				3				
MT062	107406		85	87	-0.01				-1				
MT062	107407		87	90	-0.01				3				
MT063	107408		0	2	2.95	1.80	1.42	1.92	2610				
MT063	107409		2	4	0.77	0.86			1570				
MT063	107410		4	6	0.03				20				
MT063	107411		6	8	0.15				80				
MT063	107412		8	9	0.30				70				
MT063	107413		9	10	0.07				50				
MT063	107414		10	12	0.06				22				
MT063	107415		12	14	0.26	0.26			3				
MT063	107416		14	16	0.16	0.20			28				
MT063	107417		16	18	-0.01				6				
MT063	107418		18	20	-0.01				22				
MT063	107419		20	22	0.05				48				
MT063	107420		22	24	-0.01	-0.01			27				
MT063	107421	Y	24	25	0.57				2000				
MT063	107422	Y	25	26	1.03	0.95			5500				
MT063	107423	Y	26	27	0.48				3010				
MT063	107424		27	28	-0.01				60				
MT063	107425		28	30	-0.01				70				
MT063	107426		30	32	0.02				2				
MT063	107427	Y	32	33	0.51				1580				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT063	107428		33	34	-0.01				40				
MT063	107429		34	35	0.26				12				
MT063	107430		35	36	0.06				20				
MT063	107431		36	37	-0.01				16				
MT063	107432	Y	37	38	1.24	1.10			2780				
MT063	107433	Y	38	39	0.79				720				
MT063	107434		39	40	0.03				105				
MT063	107435		40	41	0.03				40				
MT063	107436		41	42	0.22				34				
MT063	107437		42	44	0.04				27				
MT063	107438		44	46	-0.01				6				
MT063	107439		46	48	-0.01				17				
MT063	107440		48	50	-0.01				12				
MT063	107441		50	52	-0.01	-0.01			16				
MT063	107442		52	55	-0.01				4				
MT064	107443		0	2	3.45	3.55			3690				
MT064	107444		2	4	2.05	2.05			2160				
MT064	107445		4	6	0.93				1000				
MT064	107446		6	8	0.03				34				
MT064	107447		8	10	-0.01				20				
MT064	107448		10	12	-0.01				14				
MT064	107449		12	14	0.04				15				
MT064	107450		14	16	-0.01				2				
MT064	107451		16	18	0.02				24				
MT064	107452		18	20	0.02				13				
MT064	107453		20	22	-0.01				7				
MT064	107454		22	24	-0.01				15				
MT064	107455		24	26	-0.01	0.04			16				
MT064	107456	Y	26	27	0.05	0.04	0.18		75				
MT064	107457	Y	27	28	0.05	0.19			39				
MT064	107458		28	29	-0.01				26				
MT064	107459		29	31	-0.01				20				
MT064	107460		31	32	0.07				48				
MT064	107461	Y	32	33	0.05				70				
MT064	107462		33	34	0.04				17				
MT064	107463		34	36	0.03				95				
MT064	107464		36	37	-0.01	-0.01			29				
MT064	107465		37	38	-0.01				75				
MT064	107466		38	40	-0.01	-0.01			21				
MT064	107467		40	42	-0.01				28				
MT064	107468		42	44	-0.01				4				
MT064	107469		44	46	-0.01				14				
MT064	107470		46	48	-0.01				12				
MT064	107471		48	50	-0.01				14				
MT064	107472		50	52	-0.01				20				
MT064	107473		52	54	-0.01				15				
MT064	107474		54	56	-0.01				13				
MT064	107475		56	58	-0.01				21				
MT064	107476		58	60	-0.01				-1				
MT064	107477		60	61	-0.01				25				
MT064	107478		61	62	-0.01				210				
MT064	107479		62	63	-0.01	-0.01			430				
MT064	107480		63	64	0.08				440				
MT064	107481		64	65	0.06				205				
MT064	107482		65	66	0.03				1110				
MT064	107483		66	68	-0.01				1				
MT064	107484		68	70	-0.01				16				
MT064	107485		70	72	-0.01				19				
MT064	107486		72	74	-0.01				1				
MT064	107487		74	76	-0.01				12				
MT064	107488		76	78	-0.01				12				
MT064	107489		78	80	-0.01				26				
MT064	107490		80	82	-0.01				14				
MT064	107491		82	84	0.08				245				
MT064	107492		84	86	-0.01	0.03	0.03		14				
MT064	107493		86	88	-0.01	0.01			-1				
MT064	107494		88	90	-0.01				4				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT064	107495		90	92	-0.01				4				
MT064	107496		92	93	-0.01				-1				
MT064	107497		93	94	-0.01				23				
MT064	107498		94	95	-0.01				425				
MT064	107499		95	97	0.02	0.02			65				
MT064	107500		97	98	-0.01				70				
MT064	107501		98	99	-0.01				95				
MT064	107502		99	101	-0.01				85				
MT064	107503		101	103	-0.01				35				
MT064	107504		103	105	-0.01				28				
MT064	107505		105	107	-0.01				115				
MT064	107506		107	109	-0.01	-0.01			42				
MT064	107507		109	111	-0.01				95				
MT064	107508		111	112	-0.01				380				
MT064	107509		112	113	-0.01				450				
MT064	107510	Y	113	114	0.12	0.10			930				
MT064	107511	Y	114	115	-0.01				175				
MT064	107512		115	116	-0.01				40				
MT064	107513		116	117	-0.01				23				
MT064	107514	Y	117	118	-0.01				675				
MT064	107515	Y	118	119	-0.01				1910				
MT064	107516		119	120	-0.01				80				
MT064	107517	Y	120	121	0.08				1250				
MT064	107518		121	122	-0.01				285				
MT064	107519		122	123	-0.01				670				
MT064	107520		123	125	-0.01				27				
MT064	107521		125	127	-0.01				18				
MT064	107522		127	129	-0.01				70				
MT064	107523		129	131	-0.01				25				
MT064	107524		131	133	0.32	0.21			175				
MT064	107525		133	135	-0.01				42				
MT064	107526		135	137	-0.01				95				
MT064	107527		137	139	-0.01				21				
MT064	107528		139	141	-0.01				17				
MT064	107529		141	143	-0.01				13				
MT064	107530		143	145	-0.01	-0.01			8				
MT065	107531		0	3	3.45	3.20			3940				
MT065	107532		3	5	0.10				125				
MT065	107533		5	7	0.57	0.62			605				
MT065	107534		7	9	0.06				115				
MT065	107535		9	11	-0.01	-0.01			11				
MT065	107536		11	13	-0.01				12				
MT065	107537		13	15	-0.01				16				
MT065	107538		15	17	-0.01				20				
MT065	107539		17	18	0.23	0.20			70				
MT065	107540	Y	18	19	-0.01				48				
MT065	107541		19	20	-0.01				10				
MT065	107542		20	22	-0.01				26				
MT065	107543		22	24	-0.01				12				
MT065	107544		24	26	-0.01				9				
MT065	107545		26	28	-0.01				8				
MT065	107546		28	30	-0.01				13				
MT065	107547		30	31	-0.01				50				
MT065	107548		31	32	-0.01				105				
MT065	107549	Y	32	33	0.02				115				
MT065	107550		33	34	0.50	0.48			2470				
MT065	107551		34	36	-0.01	-0.01			80				
MT065	107552		36	38	-0.01				17				
MT065	107553		38	40	-0.01				10				
MT065	107554		40	42	-0.01				11				
MT065	107555		42	44	-0.01				5				
MT065	107556		44	45	-0.01				5				
MT065	107557		45	47	-0.01				25				
MT065	107558		47	49	-0.01				12				
MT065	107559		49	50	-0.01				14				
MT065	107560	Y	50	51	-0.01	-0.01			16				
MT065	107561	Y	51	52	-0.01				22				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT065	107562	Y	52	53	-0.01				11				
MT065	107563		53	54	-0.01				14				
MT065	107564		54	56	-0.01				25				
MT065	107565		56	57	-0.01				49				
MT065	107566		57	58	-0.01				630				
MT065	107567	Y	58	59	-0.01				1100				
MT065	107568		59	60	0.04	0.12			1450				
MT065	107569		60	61	-0.01				100				
MT065	107570		61	62	-0.01				55				
MT065	107571		62	64	-0.01				50				
MT065	107572		64	66	-0.01				34				
MT065	107573		66	67	-0.01	-0.01			36				
MT065	107574		67	69	-0.01				36				
MT065	107575		69	71	-0.01				11				
MT065	107576		71	73	-0.01				13				
MT065	107577		73	74	0.07	0.03			21				
MT065	107578		74	75	-0.01				38				
MT065	107579	Y	75	76	0.03				2250				
MT065	107580		76	77	-0.01				640				
MT065	107581	Y	77	78	0.04				1130				
MT065	107582		78	79	0.02				47				
MT065	107583		79	81	-0.01				18				
MT065	107584		81	83	0.34	0.23			70				
MT065	107585		83	85	-0.01				41				
MT065	107586		85	87	0.05				55				
MT065	107587		87	89	-0.01				17				
MT065	107588		89	91	-0.01				20				
MT065	107589		91	93	-0.01				17				
MT065	107590		93	95	-0.01				36				
MT065	107591		95	96	-0.01				125				
MT065	107592		96	98	-0.01				90				
MT065	107593		98	100	-0.01				12				
MT065	107594		100	102	-0.01				23				
MT065	107595		102	104	-0.01				39				
MT065	107596		104	106	-0.01				23				
MT065	107597		106	108	-0.01				12				
MT065	107598		108	110	-0.01				31				
MT065	107599		110	112	-0.01				11				
MT065	107600		112	114	-0.01	-0.01			17				
MT066	107601		0	2	1.07	1.14			3300				
MT066	107602		2	4	1.43	1.31			4820				
MT066	107603		4	6	0.42	0.42			555				
MT066	107604		6	8	0.09				34				
MT066	107605		8	10	0.02				14				
MT066	107606		10	11	0.10				15				
MT066	107607		11	12	0.05				255				
MT066	107608	Y	12	13	-0.01				165				
MT066	107609		13	15	-0.01				75				
MT066	107610		15	17	-0.01	-0.01			16				
MT066	107611		17	18	-0.01				10				
MT066	107612		18	19	-0.01				11				
MT066	107613		19	20	-0.01				5				
MT066	107614	Y	20	21	0.18	0.18			365				
MT066	107615		21	22	-0.01				14				
MT066	107616		22	24	0.19	0.47	0.11	4.95	8				
MT066	106419	Y	22	23	0.01				14				
MT066	106420	Y	23	24	0.14				20				
MT066	107617		24	26	-0.01				7				
MT066	107618		26	27	-0.01				11				
MT066	107619		27	29	-0.01				24				
MT066	107620		29	31	-0.01				15				
MT066	107621		31	33	-0.01				24				
MT066	107622		33	35	-0.01				26				
MT066	107623		35	37	0.04	0.04			795				
MT066	107624		37	39	-0.01				270				
MT066	107625		39	40	-0.01				46				
MT066	107626	Y	40	41	-0.01				560				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT066	107627	Y	41	42	0.34	0.25			3180				
MT066	107628	Y	42	43	0.06				875				
MT066	107629		43	45	-0.01	-0.01			325				
MT066	107630	Y	45	46	0.17				360				
MT066	107631	Y	46	47	0.47	0.42			530				
MT066	107632		47	48	0.20				320				
MT066	107633		48	49	0.28				250				
MT066	107634		49	50	0.10				260				
MT066	107635		50	51	-0.01	-0.01			50				
MT066	107636	Y	51	52	1.88	1.23	1.52		5500				
MT066	107637	Y	52	53	0.25				1790				
MT066	107638		53	54	0.24				1610				
MT066	107639		54	55	0.38				100				
MT066	107640	Y	55	56	0.35				4080				
MT066	107641	Y	56	57	0.80	1.01			5200				
MT066	107642		57	58	0.14				700				
MT066	107643		58	60	-0.01				49				
MT066	107644		60	62	-0.01				46				
MT066	107645		62	63	0.06				105				
MT066	107646	Y	63	64	0.51	0.46			1570				
MT066	107647		64	65	0.11				305				
MT066	107648		65	67	0.10				175				
MT066	107649		67	69	0.04				31				
MT066	107650		69	71	-0.01				11				
MT066	107651		71	73	-0.01	-0.01			12				
MT066	107652		73	75	-0.01				5				
MT066	107653		75	77	-0.01				-1				
MT066	107654		77	79	-0.01				1				
MT066	107655		79	81	-0.01				8				
MT066	107656		81	83	-0.01				12				
MT066	107657		83	85	-0.01				11				
MT067	107658		0	2	1.94	1.88			4450				
MT067	107659		2	4	1.74	2.10			2960				
MT067	107660		4	6	0.12				365				
MT067	107661		6	8	0.08				380				
MT067	107662		8	10	0.04				26				
MT067	107663		10	12	0.07				260				
MT067	107664		12	14	0.03				29				
MT067	107665		14	16	-0.01				15				
MT067	107666		16	18	-0.01				8				
MT067	107667		18	20	-0.01				6				
MT067	107668		20	22	0.02				60				
MT067	107669	Y	22	23	-0.01				19				
MT067	107670		23	24	-0.01				11				
MT067	107671		24	25	-0.01				-1				
MT067	107672	Y	25	26	0.02				37				
MT067	107673	Y	26	27	-0.01	-0.01			29				
MT067	107674		27	29	-0.01				55				
MT067	107675		29	30	-0.01				20				
MT067	107676		30	31	-0.01	-0.01			34				
MT067	107677	Y	31	32	-0.01				55				
MT067	107678	Y	32	33	1.97	1.50			645				
MT067	107679		33	34	0.15				33				
MT067	107680		34	36	-0.01				12				
MT067	107681		36	38	0.20				5				
MT067	107682		38	40	0.05				105				
MT067	107683		40	42	-0.01				1				
MT067	107684		42	43	-0.01				-1				
MT067	107685		43	44	-0.01				7				
MT067	107686		44	46	0.66	0.59			15				
MT067	106421	Y	44	45	0.60	0.27	0.19		12				
MT067	106422	Y	45	46	0.33	1.43	0.39		42				
MT067	107687		46	47	2.25	2.00			27				
MT067	106423	Y	46	47	3.00	3.35			41				
MT067	107688		47	48	1.54	1.35			620				
MT067	106424	Y	47	48	1.15	1.60	1.72		545				
MT067	107689		48	49	0.16				125				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT067	107690		49	51	0.38				1				
MT067	107691		51	53	-0.01				-1				
MT067	107692		53	55	-0.01				2				
MT067	107693		55	57	-0.01				-1				
MT067	107694		57	59	-0.01				-1				
MT067	107695		59	61	-0.01				-1				
MT067	107696		61	63	0.07				25				
MT067	107697	Y	63	64	0.03	0.03			8				
MT067	107698		64	65	0.05				24				
MT067	107699		65	67	-0.01	-0.01			26				
MT067	107700		67	69	-0.01				32				
MT067	107701		69	71	-0.01	-0.01			65				
MT067	107702		71	73	-0.01				95				
MT067	107703		73	74	0.69	0.72			420				
MT067	107704		74	76	0.08				38				
MT067	107705		76	78	0.12				38				
MT067	107706		78	80	0.03				80				
MT067	107707		80	82	-0.01				40				
MT067	107708		82	84	0.03				55				
MT067	107709	Y	84	85	0.14				2650				
MT067	107710	Y	85	86	0.09	0.07			450				
MT067	107711	Y	86	87	0.31				2210				
MT067	107712		87	88	-0.01				65				
MT067	107713		88	90	-0.01				28				
MT067	107714		90	92	-0.01				38				
MT067	107715		92	94	-0.01				40				
MT067	107716		94	97	-0.01				41				
MT068	107717		0	3	2.20	2.10			1560				
MT068	107718		3	4	0.17				205				
MT068	107719		4	5	-0.01				90				
MT068	107720		5	6	-0.01				24				
MT068	107721		6	7	0.14				130				
MT068	107722		7	9	-0.01				9				
MT068	107723		9	11	-0.01				17				
MT068	107724		11	13	-0.01				-1				
MT068	107725		13	14	-0.01				-1				
MT068	107726		14	15	-0.01	-0.01			2				
MT068	107727		15	17	-0.01				13				
MT068	107728		17	19	-0.01				3				
MT068	107729		19	21	-0.01				19				
MT068	107730		21	23	-0.01				4				
MT068	107731		23	25	-0.01				8				
MT068	107732		25	27	-0.01				-1				
MT068	107733		29	29	-0.01				10				
MT068	107734		31	31	-0.01				4				
MT068	107735		31	33	-0.01				9				
MT068	107736		33	35	-0.01				-1				
MT068	107737		35	37	-0.01				24				
MT068	107738		37	39	-0.01				9				
MT068	107739		39	40	0.59	0.57			105				
MT068	107740	Y	40	41	0.88	1.04			545				
MT068	107741	Y	41	42	0.09				245				
MT068	107742	Y	42	43	0.03				44				
MT068	107743		43	45	-0.01				22				
MT068	107744		45	47	-0.01				15				
MT068	107745		47	49	0.04				33				
MT068	107746		49	51	0.04				95				
MT068	107747		51	52	0.37	0.42			725				
MT068	107748		52	54	-0.01				24				
MT068	107749		54	56	-0.01				1				
MT068	107750		56	58	-0.01				-1				
MT068	107751		58	60	-0.01	-0.01			-1				
MT068	107752		60	62	-0.01				-1				
MT068	107753		62	64	-0.01				-1				
MT068	107754		64	66	-0.01				16				
MT068	107755		66	68	-0.01	-0.01			14				
MT068	107756		68	71	-0.01				16				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT068	107757		71	72	1.23	1.44			230				
MT068	107758		72	74	-0.01				16				
MT068	107759		74	76	-0.01				2				
MT068	107760		76	78	-0.01				35				
MT068	107761		78	80	-0.01				55				
MT068	107762		80	82	-0.01				22				
MT068	107763		82	84	-0.01				14				
MT068	107764		84	86	-0.01	-0.01			20				
MT068	107765		86	88	-0.01				23				
MT068	107766		88	90	-0.01	-0.01			35				
MT068	107767		90	92	19.40	4.40	2.50	4.90	155				
MT068	106425	Y	90	91	-0.01	-	-		27				
MT068	106426	Y	91	92	12.6	7.55	10.7		285				
MT068	107768		92	94	0.96	0.06	0.39	0.82	50				
MT068	106427	Y	92	93	-0.01	-	-		105				
MT068	106428	Y	93	94	-0.01	-	-		75				
MT068	107769		94	96	1.07	0.04	0.03	0.32	23				
MT068	106429	Y	94	95	0.34	0.25	-		32				
MT068	106430	Y	95	96	0.02	-0.01	-		19				
MT068	107770		96	98	-0.01	-0.01			7				
MT068	107771		98	100	-0.01				13				
MT068	107772		100	102	-0.01				22				
MT068	107773		102	105	-0.01				15				
MT068	107774		105	107	-0.01				28				
MT068	107775		107	108	-0.01				23				
MT068	107776	Y	108	109	0.87	0.91			1860				
MT068	107777	Y	109	110	27.80	28.90	37.20		2960				
MT068	107778		110	111	0.63				155				
MT068	107779		111	113	0.28				130				
MT068	107780		113	115	0.07				42				
MT068	107781		115	117	-0.01				48				
MT068	107782		117	119	-0.01				105				
MT068	107783		119	121	-0.01				18				
MT069	107784		0	2	1.31	1.10			2340				
MT069	107785		2	4	5.60	5.30			7100				
MT069	107786		4	6	0.37				420				
MT069	107787		6	8	-0.01				42				
MT069	107788		8	9	-0.01				33				
MT069	107789		9	11	-0.01				13				
MT069	107790		11	13	0.03				12				
MT069	107791		13	15	-0.01				17				
MT069	107792		15	17	-0.01				12				
MT069	107793		17	19	-0.01				19				
MT069	107794		19	20	0.10	0.09			215				
MT069	107795		20	22	-0.01	-0.01			46				
MT069	107796		22	24	-0.01				44				
MT069	107797		24	25	-0.01				95				
MT069	107798	Y	25	26	0.05				750				
MT069	107799	Y	26	27	2.20	1.87			2020				
MT069	107800	Y	27	28	0.17				3120				
MT069	107801	Y	28	29	0.12				2570				
MT069	107802	Y	29	30	0.13				1890				
MT069	107803	Y	30	31	0.56				3020				
MT069	107804	Y	31	32	0.10				3670				
MT069	107805	Y	32	33	0.17				4200				
MT069	107806	Y	33	34	3.60	0.99	3.25	1.88	3280				
MT069	107807	Y	34	35	0.15				2610				
MT069	107808	Y	35	36	0.25				3340				
MT069	107809	Y	36	37	1.06	0.99			5400				
MT069	107810	Y	37	38	1.48	0.51	0.31	1.06	1990				
MT069	107811	Y	38	39	0.28	0.28			4660				
MT069	107812	Y	39	40	1.09	1.02			2480				
MT069	107813	Y	40	41	0.13				1780				
MT069	107814		41	42	-0.01				325				
MT069	107815		42	43	0.06				110				
MT069	107816	Y	43	44	0.15				565				
MT069	107817	Y	44	45	0.29				575				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT069	107818		45	46	0.08				460				
MT069	107819		46	48	-0.01				60				
MT069	107820		48	50	-0.01	-0.01			55				
MT069	107821		50	52	-0.01				170				
MT069	107822		52	53	0.13				22				
MT069	107823		53	54	0.04				575				
MT069	107824		54	55	-0.01				34				
MT069	107825		55	57	-0.01				39				
MT069	107826		57	59	-0.01				85				
MT069	107827		59	61	-0.01				29				
MT070	107828		0	2	1.21	1.51			5100				
MT070	107829		2	4	1.34	1.26			5100				
MT070	107830		4	6	1.09				1950				
MT070	107831		6	8	0.29				300				
MT070	107832		8	10	0.08				115				
MT070	107833		10	12	0.04				85				
MT070	107834		12	13	0.11	0.08			38				
MT070	107835		13	14	0.04				55				
MT070	107836	Y	14	15	1.27	1.03			415				
MT070	107837	Y	15	16	12.70	12.10			1970				
MT070	107838	Y	16	17	1.93	7.20	3.15	4.65	1610				
MT070	107839		17	18	0.04	0.02			50				
MT070	107840		18	20	-0.01				36				
MT070	107841		20	22	-0.01				17				
MT070	107842		22	24	-0.01				22				
MT070	107843		24	26	-0.01				3				
MT070	107844		26	28	-0.01				10				
MT070	107845		28	30	-0.01	-0.01			24				
MT070	107846		30	32	-0.01				19				
MT070	107847		32	34	-0.01				22				
MT070	107848		34	36	-0.01				20				
MT070	107849		36	38	-0.01				24				
MT070	107850		38	40	-0.01				13				
MT070	107851		40	42	-0.01				-1				
MT070	107852		42	44	-0.01				4				
MT070	107853		44	46	-0.01				29				
MT070	107854		46	48	-0.01				42				
MT070	107855		48	50	-0.01				45				
MT070	107856		50	51	-0.01				150				
MT070	107857	Y	51	52	0.06				2120				
MT070	107858	Y	52	53	-0.01				475				
MT070	107859		53	54	0.06				515				
MT070	107860		54	55	-0.01	-0.01			140				
MT070	107861		55	56	0.28				3010				
MT070	107862	Y	56	57	3.25	3.40			7800				
MT070	107863	Y	57	58	0.35				1160				
MT070	107864	Y	58	59	0.31				1820				
MT070	107865	Y	59	60	1.15	1.25			965				
MT070	107866	Y	60	61	0.39				1110				
MT070	107867		61	62	0.07				210				
MT070	107868		62	64	0.02				75				
MT070	107869		64	66	0.02				140				
MT070	107870		66	68	-0.01	-0.01			85				
MT070	107871		68	70	0.02				210				
MT070	107872		70	72	0.02				180				
MT070	107873		72	74	0.01				35				
MT070	107874		74	76	0.02				19				
MT070	107875		76	79	0.14				55				
MT071	107876		0	2	1.32	1.46			4960				
MT071	107877		2	4	0.99	1.24			4960				
MT071	107878		4	6	2.85	2.70			5300				
MT071	107879		6	8	0.10				210				
MT071	107880		8	10	0.02				38				
MT071	107881		10	12	0.01				32				
MT071	107882		12	14	0.01				9				
MT071	107883		14	16	0.04	0.03			55				
MT071	107884		16	18	-0.01				18				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT071	107885		18	20	-0.01				17				
MT071	107886		20	22	-0.01				14				
MT071	107887		22	24	0.01				18				
MT071	107888		24	26	-0.01	0.01			12				
MT071	107889		26	28	-0.01				18				
MT071	107890		28	30	0.01				30				
MT071	107891		30	32	-0.01				14				
MT071	107892		32	34	-0.01				3				
MT071	107893		34	36	0.01				5				
MT071	107894		36	38	0.03				125				
MT071	107895		38	39	0.07				295				
MT071	107896		39	41	-0.01				8				
MT071	107897		41	43	-0.01	-0.01			2				
MT071	107898		43	45	-0.01				5				
MT071	107899		45	47	0.01				-1				
MT071	107900		47	49	-0.01				2				
MT071	107901		49	51	-0.01				15				
MT071	107902		51	53	-0.01				12				
MT071	107903		53	55	0.01				6				
MT071	107904		55	57	0.01				4				
MT071	107905		57	59	0.01				17				
MT071	107906		59	61	-0.01				29				
MT071	107907		61	63	0.01				34				
MT071	107908		63	65	0.01	-0.01			10				
MT071	107909		65	67	0.01				10				
MT071	107910		67	69	0.02				5				
MT071	107911		69	71	-0.01				14				
MT071	107912		71	73	0.02				22				
MT071	107913		73	75	0.04				210				
MT071	107914		75	77	0.13				250				
MT071	107915		77	79	0.05				15				
MT071	107916		79	81	-0.01				24				
MT071	107917		81	83	0.17	0.23			105				
MT071	107918		83	84	1.48	0.18	0.68	0.20	70				
MT071	107919		84	85	0.13				2080				
MT071	107920		85	86	0.07				145				
MT071	107921		86	87	0.01				60				
MT071	107922		87	88	0.02	0.02			380				
MT071	107923	Y	88	89	0.11				1160				
MT071	107924	Y	89	90	0.27				1720				
MT071	107925		90	91	0.25	0.50	0.13	0.10	210				
MT071	107926		91	93	0.08				120				
MT071	107927		93	94	-0.01				38				
MT071	107928		94	95	0.01				75				
MT071	107929		95	96	0.04				70				
MT071	107930		96	97	-0.01				65				
MT071	107931		97	99	0.01				38				
MT071	107932		99	101	-0.01				32				
MT071	107933		101	103	-0.01	-0.01			22				
MT072	107934		0	2	0.92	1.07			4250				
MT072	107935		3	5	0.09				110				
MT072	107936		5	7	0.08				4				
MT072	107937		7	9	-0.01				12				
MT072	107938		9	11	-0.01				60				
MT072	107939		11	13	-0.01				80				
MT072	107940		13	15	-0.01				3				
MT072	107941		15	17	-0.01				5				
MT072	107942		17	19	-0.01				8				
MT072	107943		19	21	-0.01				-1				
MT072	107944		21	23	-0.01				90				
MT072	107945		23	25	-0.01				29				
MT072	107946		25	27	-0.01	-0.01			85				
MT072	107947		27	29	-0.01				7				
MT072	107948		29	31	-0.01				-1				
MT072	107949		31	33	-0.01				55				
MT072	107950		33	35	-0.01				4				
MT072	107951		35	37	-0.01				21				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT072	107952		37	39	-0.01				5				
MT072	107953		39	41	-0.01				21				
MT072	107954		41	43	-0.01				9				
MT072	107955		43	45	0.02				38				
MT072	107956		45	47	-0.01				5				
MT072	107957		47	49	-0.01				2				
MT072	107958		49	51	-0.01	-0.01			-1				
MT072	107959		51	53	-0.01				-1				
MT072	107960		53	55	-0.01				5				
MT072	107961		55	57	-0.01				-1				
MT072	107962		57	59	-0.01	-0.01			3				
MT072	107963		59	62	-0.01				-1				
MT072	107964		62	64	-0.01				2				
MT072	107965		64	65	0.04				90				
MT072	107966		65	66	0.02				105				
MT072	107967		66	67	0.04				49				
MT072	107968		67	69	0.09	0.08			210				
MT072	107969		69	71	0.05				21				
MT072	107970		71	73	-0.01				-1				
MT072	107971		73	75	-0.01				-1				
MT072	107972		75	77	-0.01				-1				
MT072	107973		77	79	-0.01				-1				
MT072	107974		79	81	-0.01				2				
MT072	107975		81	82	-0.01				27				
MT072	107976		82	84	-0.01	-0.01			11				
MT072	107977		84	86	-0.01				8				
MT072	107978		86	87	-0.01				8				
MT072	107979		87	88	0.03				85				
MT072	107980		88	90	-0.01				17				
MT072	107981		90	92	-0.01				12				
MT072	107982		92	93	-0.01				14				
MT072	107983		93	94	0.03				160				
MT072	107984		94	95	-0.01				38				
MT072	107985		95	97	-0.01				7				
MT072	107986		97	99	0.01				12				
MT072	107987		99	101	-0.01				18				
MT072	107988		101	103	-0.01				11				
MT072	107989		103	105	-0.01				19				
MT072	107990		105	106	-0.01	-0.01			19				
MT072	107991		106	107	0.07	0.08			65				
MT072	107992		107	108	-0.01				60				
MT072	107993		108	109	-0.01				150				
MT072	107994		109	111	-0.01				26				
MT072	107995		111	113	-0.01				24				
MT072	107996		113	114	-0.01				29				
MT072	107997		114	115	0.06				60				
MT072	107998		115	116	0.14	0.12			225				
MT072	107999		116	118	-0.01				19				
MT072	108000		118	120	-0.01	-0.01			14				
MT072	108001		120	122	-0.01				9				
MT072	108002		122	124	-0.01				7				
MT072	108003		124	126	-0.01				6				
MT072	108004		126	128	-0.01				7				
MT072	108005		128	130	-0.01				6				
MT072	108006		133	133	-0.01				11				
MT073	108007		0	2	0.94	0.95			1960				
MT073	108008		2	4	1.10	1.25			1560				
MT073	108009		4	6	0.17				145				
MT073	108010		6	8	0.05				75				
MT073	108011		8	10	-0.01				18				
MT073	108012		10	11	-0.01				18				
MT073	108013		11	13	-0.01				9				
MT073	108014		13	15	-0.01				48				
MT073	108015		15	17	-0.01				10				
MT073	108016		17	19	-0.01				2				
MT073	108017		19	21	-0.01				2				
MT073	108018		21	23	-0.01				-1				

Hole No	Sample No	Riffle Split	From	To	Au	Au(R)	Au(R2)	Au(S)	As(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
MT073	108019		23	25	-0.01				1				
MT073	108020		25	27	-0.01	-0.01			1				
MT073	108021		27	29	-0.01				14				
MT073	108022		29	31	-0.01				31				
MT073	108023		31	33	-0.01				8				
MT073	108024		33	35	-0.01				3				
MT073	108025		35	36	-0.01	-0.01			17				
MT073	108026		36	37	-0.01				15				
MT073	108027		37	38	-0.01				22				
MT073	108028		38	40	-0.01				16				
MT073	108029		40	42	-0.01				16				
MT073	108030		42	44	-0.01				14				
MT073	108031		44	46	-0.01				25				
MT073	108032		46	47	0.06				110				
MT073	108033		47	48	0.14				135				
MT073	108034	Y	48	49	0.08				145				
MT073	108035	Y	49	50	0.07				80				
MT073	108036	Y	50	51	0.18	0.16			900				
MT073	108037		51	52	0.27	0.25			220				
MT073	108038		52	53	0.08				80				
MT073	108039	Y	53	54	0.06				375				
MT073	108040	Y	54	55	0.14				1380				
MT073	108041	Y	55	56	0.06				625				
MT073	108042	Y	56	57	0.12				460				
MT073	108043	Y	57	58	0.27				2190				
MT073	108044	Y	58	59	0.18	0.16			625				
MT073	108045		59	60	0.16	0.17			160				
MT073	108046		60	62	0.05				70				
MT073	108047		62	64	-0.01				14				
MT073	108048		64	66	-0.01				21				
MT073	108049		66	67	-0.01				15				
MT073	108050		67	68	0.10	0.11			95				
MT073	108051		68	69	0.03				46				
MT073	108052		69	71	0.12				1240				
MT073	108053		71	72	0.09	0.10			345				
MT073	108054		72	74	0.01				120				
MT073	108055		74	75	0.02				55				
MT073	108056	Y	75	76	0.16				2220				
MT073	108057	Y	76	77	0.29				210				
MT073	108058	Y	77	78	0.04				735				
MT073	108059	Y	78	79	0.44	0.44			8400				
MT073	108060	Y	79	80	0.91	0.91			10900				
MT073	108061	Y	80	81	0.97	0.91			8800				
MT073	108062	Y	81	82	0.92	0.84			11100				

APPENDIX 4

Drill Fire Assay Summary

Hole No	AMG E	AMG N	Azi (AMG)	Inc	From	To	Interval	Au (g/t)	Reef
MT027	574461.5	5406600.2	290	60	33	46	13	2.3	
			includes		43	46	3	6.9	Central
			and		43	44	1	13.5	
					78	79	1	4.7	
MT028	574460.9	5406586.9	270	60	0	1	1	2.0	
					33	36	3	1.0	
					59	70	11	7.8	Central
			includes		66	68	2	21.7	
MT029	574461.1	5406625.6	270	60	33	37	4	13.8	Central
			includes		33	34	1	38.0	
					114	125	11	1.3	
MT030	574438.0	5406605.5	270	60	No Significant Results				
MT031	574443.2	5406666.7	270	55	No Significant Results				
MT032	574487.6	5406666.3	270	55	No Significant Results				
MT033	574523.2	5406666.6	270	55	76	79	3	2.2	Main
MT034	574558.9	5406667.3	270	55	No Significant Results				
MT035	574409.8	5406745.2	270	55	No Significant Results				
MT036	574441.1	5406745.8	270	55	No Significant Results				
MT037	574490.7	5406743.9	270	55	No Significant Results				
MT038	574530.0	5406746.2	270	55	No Significant Results				
MT039	574569.7	5406746.5	270	55	51	55	4	12.0	Dylan's
			includes		51	52	1	26.5	
					62	63	1	5.6	
MT040	574610.3	5406747.4	270	50	92	98	6	1.4	Dylan's
MT041	574454.4	5406585.9	270	50	23	24	1	40.1	Central
					31	33	2	1.8	
MT042	574480.8	5406586.4	270	60	No Significant Results				
MT043	574810	5404588	210	50	No Significant Results				
MT044	574830	5404622	210	50	No Significant Results				
MT045	574551	5406745	270	55	10	12	2	1.6	Dylan's
MT046	574590	5406745	270	55	82	87	5	2.3	Dylan's
					92	96	4	14.6	Sophie's
			includes		93	94	1	39.8	

Hole No	AMG E	AMG N	Azi (AMG)	Inc	From	To	Interval	Au (g/t)	Reef
MT047	574530	5406725	270	55	31	35	4	2.5	Sophie's
MT048	574550	5406725	270	55	64	65	1	1.9	Sophie's
MT049	574570	5406725	270	55	71	73	2	11.1	Dylan's
MT050	574584	5406725	270	57	110	117	7	16.2	Sophie's
			includes		111	113	2	53.2	
MT051	574530	5406765	270	55	14	16	2	1.6	Sophie's
MT052	574469	5406565	270	50	10	12	2	1.5	Central
					14	31	17	3.8	Central
			includes		27	28	1	30.8	
MT053	574550	5406765	270	55	8	10	2	2.5	Dylan's
MT054	574570	5406765	270	55	30	33	3	11.8	Dylan's
			includes		30	31	1	24.0	
MT055	574589	5406765	270	55	45	55	10	9.1	Dylan's
			includes		45	50	5	15.6	
			includes		46	47	1	62.8	
MT056	574465	5406645	270	50	59	60	1	2.9	Central
					70	73	3	2.3	Central
					80	87	7	3.3	Central
MT057	574458	5406626	270	50	14	16	2	1.7	Central
					21	23	2	2.0	Central
					28	30	2	1.4	Central
					42	46	4	2.3	Central
MT058	574471	5406625	270	60	35	43	8	3.7	Central
			includes		40	42	2	11.2	Central
MT059	574454	5404404	270	50	23	34	11	1.7	Central
			includes		28	34	6	2.5	Central
MT060	574475	5406605	270	60	16	17	1	4.8	Central
					44	47	3	2.2	Central
					52	56	4	2.0	Central
					61	62	1	2.0	Central
MT061	574489	5406565	270	50	No Significant Results				
MT062	574483	5406545	270	50	28	29	1	8.6	Central
MT063	574540	5406785	270	55	25	26	1	1.0	New
					37	38	1	1.1	Sophie's
MT064	574627	5406773	265	60	No Significant Results				

Hole No	AMG E	AMG N	Azi (AMG)	Inc	From	To	Interval	Au (g/t)	Reef
MT065	574626	5406773	265	50	No Significant Results				
MT066	574560	5406785	270	55	51	52	1	1.5	Sophie's
MT067	574583	5406785	270	54	32	33	1	1.7	Dylan's
					46	48	2	2.3	New
MT068	574600	5406785	270	55	40	41	1	1.0	Dylan's
					71	72	1	1.3	New
					90	92	2	7.8	New
					109	110	1	31.3	Sophie's
MT069	574520	5406705	270	55	26	27	1	2.0	Sophie's
					33	34	1	2.4	Sophie's
					36	37	1	1.0	Sophie's
					39	40	1	1.1	Sophie's
MT070	574540	5406705	270	55	14	17	3	5.9	New
					56	60	4	1.3	Sophie's
MT071	574560	5406705	270	55	No Significant Results				
MT072	574585	5406705	270	54	No Significant Results				
MT073	574534	5406685	270	50	No Significant Results				

APPENDIX 5

Fire Assay, Screen Fire Assay and BLEG Comparisons

Hole No	Sample No	From (m)	To (m)	Riffle Split	Au	Au(R)	Au(R2)	Au(S)	SFA Au
MT027	106309	33	34	Y	1.75	1.71	3.46	4.00	2.20
MT027	106311	35	36	Y	0.74	-	-	-	0.96
MT027	106313	37	38	Y	1.02	1.08	-	-	12.50
MT027	106314	38	39	Y	0.76	-	-	-	0.96
MT027	106315	39	40	Y	1.39	-	-	-	1.54
MT027	106316	40	41	Y	0.40	-	-	-	0.53
MT027	105022	41	42	Y	1.45	-	-	-	1.28
MT027	105023	42	43	Y	0.45	-	-	-	0.41
MT027	105024	43	44	Y	13.30	13.70	-	-	9.65
MT027	105025	44	45	Y	3.92	0.16	-	-	9.95
MT027	105026	45	46	Y	11.20	0.94	3.54	-	3.55
MT027	106319	78	79	Y	4.77	4.70	-	-	5.75
MT028	106323	0	1	Y	2.19	1.84	2.06	-	1.71
MT028	106324	1	2	Y	0.72	-	-	-	0.83
MT028	105063	26	27	Y	1.10	1.08	-	-	1.17
MT028	105064	27	28	Y	0.81	-	-	-	0.55
MT028	105067	33	34	Y	1.44	1.99	0.82	-	1.41
MT028	105068	34	35	Y	0.50	-	-	-	0.40
MT028	106325	35	36	Y	1.23	-	-	-	3.65
MT028	105071	39	40	Y	0.54	-	-	-	0.52
MT028	105077	50	51	Y	1.06	1.07	-	-	1.40
MT028	106330	52	53	Y	0.52	-	-	-	0.71
MT028	106331	53	54	Y	0.77	-	-	-	0.99
MT028	106332	54	55	Y	0.81	-	-	-	1.48
MT028	106333	55	56	Y	0.98	-	-	-	1.14
MT028	105081	56	57	Y	0.86	-	-	-	0.75
MT028	105084	59	60	N	1.58	-	-	1.54	1.16
MT028	105085	60	61	N	10.40	4.97	5.28	-	7.15
MT028	105086	61	62	N	8.61	3.90	5.21	-	6.80
MT028	105087	62	63	N	3.38	-	-	-	4.00
MT028	105088	63	64	N	1.89	-	-	-	1.44
MT028	105089	64	65	N	10.30	-	-	-	7.50
MT028	105090	65	66	N	1.83	-	-	-	2.65
MT028	105091	66	67	N	18.30	18.40	-	-	13.90
MT028	105092	67	68	N	24.60	25.60	-	-	10.20
MT028	105093	68	69	N	7.10	-	-	-	8.25
MT028	105094	69	70	N	6.80	1.31	1.80	-	5.45
MT028	105099	75	76	N	1.01	0.96	-	-	0.60
MT028	105100	76	78	N	1.20	-	-	-	1.08
MT028	105101	78	80	N	1.85	-	-	-	1.74
MT029	106340	15	16	Y	1.62	1.64	1.79	-	1.47
MT029	105119	32	33	Y	0.78	0.82	-	-	0.61
MT029	105120	33	34	Y	38.10	37.80	-	-	14.10
MT029	105121	34	35	Y	4.59	-	-	-	4.15
MT029	105122	35	36	Y	11.60	11.20	-	-	8.25
MT029	105123	36	37	Y	1.19	1.14	-	-	1.56
MT029	105124	37	38	Y	0.86	-	-	-	0.73
MT029	105130	47	48	Y	0.76	-	-	-	0.66
MT029	105131	48	49	Y	0.45	0.47	-	-	0.43
MT029	106345	114	115	Y	2.04	2.30	-	-	2.20
MT029	106346	115	116	Y	3.32	2.93	-	-	3.55
MT029	106347	116	117	Y	1.46	-	-	-	1.56
MT029	106349	118	119	Y	0.80	-	-	-	0.91
MT029	106350	119	120	Y	1.88	1.70	-	-	1.54
MT029	106351	120	121	Y	2.52	2.05	3.00	1.26	4.50
MT029	106353	122	123	Y	0.87	-	-	-	0.67
MT029	106354	123	124	Y	0.24	-	-	-	0.54
MT029	106355	124	125	Y	1.90	-	-	-	1.82
MT030	105185	9	10	Y	0.47	-	-	-	0.42

Hole No	Sample No	From (m)	To (m)	Riffle Split	Au	Au(R)	Au(R2)	Au(S)	SFA Au
MT031	106357	45	46	Y	1.46	1.54		-	1.13
MT032	105288	17	18	Y	0.72	-	-	-	0.61
MT032	106361	24	25	Y	1.21	1.18		-	2.70
MT033	106362	49	50	Y	0.85	0.88		-	0.87
MT033	105376	76	77	Y	1.16	-		-	1.27
MT033	105377	77	78	Y	1.38	1.44		-	2.10
MT033	105378	78	79	Y	3.91	4.04		-	4.95
MT033	105379	79	80	Y	0.46	0.46		-	0.64
MT034	105433	87	88	Y	0.80	0.82		-	0.56
MT034	105439	94	95	Y	0.78	-		0.76	0.82
MT034	105440	95	96	Y	0.46	-		-	0.47
MT037	105559	12	13	Y	1.27	1.27	-	-	1.07
MT038	105614	24	25	Y	0.63	0.47	0.46	-	0.91
MT038	105615	25	26	Y	1.01	1.48	1.62	0.60	1.04
MT038	105616	26	27	Y	0.74	0.51	0.48	-	0.69
MT038	106368	86	87	Y	1.09	-			0.30
MT039	105679	51	52	Y	29.10	31.40	25.40	19.98	14.80
MT039	105680	52	53	Y	13.69	8.12	7.78	7.38	7.15
MT039	105681	53	54	Y	11.82	8.34	-	-	3.15
MT039	105682	54	55	Y	6.87	0.80	1.20	0.29	0.97
MT039	105683	55	56	Y	0.65	-	-	-	0.58
MT039	106372	62	63	Y	5.60	-			2.25
MT039	105699	74	75	Y	1.38	1.38	-	-	1.49
MT040	106376	92	93	Y	3.07	3.50			2.70
MT040	105755	97	98	Y	4.27	4.02	-	-	4.25
MT041	106377	0	1	Y	0.97	-			0.87
MT041	106384	20	21	Y	1.58	-			1.75
MT041	105779	23	24	Y	41.40	25.40	53.60	-	9.20
MT041	105784	31	32	Y	1.09	1.28	-	-	2.60
MT041	105785	32	33	Y	3.41	1.81	2.54	2.18	2.50
MT042	105847	69	70	Y	1.14	1.04	6.89	-	0.82
MT042	106388	99	100	Y	0.98	-			1.93
MT043	105882	16	17	Y	0.99	-		-	0.71

Mathinna JV - Fire Assay vs Bulk Leach Comparisons

Hole No	From	To	Sample No	Au-BL	Au-BL-Res	Au-BL-Tot	Sample No	Au-FA	BL/FA%
MT052	14	15	106391	2.88	0.82	3.70	106519	4.54	81.5
MT052	15	16	106392	1.64	0.41	2.05	106520	1.24	165.3
MT052	16	17	106393	8.69	1.52	10.21	106521	9.32	109.5
MT052	17	18	106394	1.43	0.27	1.70	106522	1.34	126.9
MT052	18	19	106395	2.04	0.52	2.56	106523	1.30	196.9
MT052	19	20	106396	3.90	1.12	5.02	106524	3.29	152.6
MT052	20	21	106397	0.01	2.60	2.61	106525	2.50	104.2
MT052	21	22	106398	3.20	0.72	3.92	106526	3.52	111.4
MT052	26	27	106399	1.67	0.54	2.21	106531	1.93	114.5
MT052	27	28	106400	21.39	7.10	28.49	106532	30.80	92.5
MT052	28	29	106401	0.34	0.21	0.55	106533	0.39	141.0
MT052	29	30	106402	0.32	0.32	0.64	106534	1.00	64.0
MT052	30	31	106403	0.32	0.44	0.76	106535	1.10	69.1
MT052	31	32	106404	0.26	0.38	0.64	106536	0.84	76.2
MT047	31	32	106405	1.08	0.26	1.34	106086	1.14	117.5
MT047	32	33	106406	0.63	0.22	0.85	106087	1.15	73.9
MT047	33	34	106407	2.07	0.90	2.97	106088	2.70	110.0
MT047	34	35	106408	4.53	1.32	5.85	106089	5.10	114.7
			Totals	56.40	19.67	76.07		73.20	103.9

Recovery by Bulk Leach = 74%
Bulk Leach + Residue Grades on average 3.9% higher than Fire Assays