

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 | | | |

498082

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 | | | | |

498083

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 |
| 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