



COMPANY ENQUIRIES

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GROUNDROUSH DRILLING DELIVERS 35% MINERAL RESOURCE GROWTH TO +1.0 MILLION OUNCES

TOTAL COMPANY MINERAL RESOURCE INCREASES TO OVER 3.0 MILLION OUNCES

KEY POINTS

- Groundrush Mineral Resource increases to 1,001,000 ounces gold - up a further 35%.
- A 258,000 ounce Resource increase in 3 months from the 743,000 ounce Resource reported in June 2012.
- Exploration and infill drilling is ongoing with 3 diamond rigs currently drilling

Australian gold producer Tanami Gold NL (ASX: TAM – ‘Tanami’ or ‘the Company’) is pleased to announce a 35% increase in the Mineral Resource estimate for its flagship Groundrush deposit, which is part of the Company’s 100% owned Central Tanami Project in the Northern Territory.

Tanami’s Deputy Chairman, Denis Waddell said, “This is a very pleasing result as we have achieved +1 million Resource ounces at Groundrush well ahead of the December 2012 targeted date. The result clearly validates our strong view that Groundrush is a large mineralised system which is expected to continue to deliver increases in gold Resources as our drill programs continue to test extensions to mineralisation. This interim Resource upgrade further demonstrates the potential to rapidly increase the Groundrush Resource. Although drilling will continue indefinitely, the current phase of intensive infill and extensional drilling will continue, which should enable completion of a robust Stage 1 Central Tanami Project Feasibility Study by April 2013. The mineralised system remains open along strike, down plunge and down dip.”

Mineral Resource Update - Groundrush

A new Mineral Resource estimate of 6.95Mt @ 4.5g/t Au for 1,001,000 ounces of gold (see Table 1 and Figure 1) has been completed for the Groundrush deposit at the Central Tanami Project. The Resource upgrade has resulted in a 35% increase in contained ounces.

This interim Mineral Resource update has not incorporated the recent infill drilling carried out since the June 2012 Mineral Resource update. This is due to the fact that this drill program is still underway and a large number of assay results are pending. The Resource update scheduled for December 2012 will incorporate this infill drilling together with ongoing extensional drilling.

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Recent drilling continues to return intersections that suggest the tenor of the mineralised system remains strong at depth and down plunge to the south of the current Mineral Resource. A number of the intersections in the step-out holes (GRDD86 with 14m @ 6.6g/t and GRDD86A with 27.8m @ 4.1g/t) contain visible gold and are within broad zones of alteration suggesting strong potential to rapidly extend the mineralisation beyond the current Mineral Resource (see Figure 1).

The Company currently has three diamond rigs continuing to drill around the clock at Groundrush aimed at upgrading and extending the Groundrush Resource which will underpin the development of the Central Tanami Project.

Denis Waddell
Deputy Chairman

Table 1 – Groundrush Deposit – Mineral Resource as at 19 September 2012

| Classification | Tonnes | Grade (g/t Au) | Ounces |
|----------------|------------------|----------------|------------------|
| Measured | 544,000 | 4.3 | 75,000 |
| Indicated | 1,517,000 | 4.3 | 212,000 |
| Inferred | 4,892,000 | 4.5 | 714,000 |
| Total | 6,953,000 | 4.5 | 1,001,000 |

Notes to accompany Table 1

1. Tonnes and ounces of gold are rounded to the nearest thousand and grade is rounded to the nearest 0.1g/t Au. Rounding may affect tallies.
2. Resources reported above 1.0g/t Au block model grade.

Table 2 – Groundrush Deposit – Mineral Resource as at 5 June 2012

| Classification | Tonnes | Grade (g/t Au) | Ounces |
|------------------|------------------|----------------|----------------|
| Measured | 472,000 | 4.3 | 66,000 |
| Indicated | 1,515,000 | 4.4 | 212,000 |
| Inferred | 3,149,000 | 4.6 | 465,000 |
| Total | 5,136,000 | 4.5 | 743,000 |

Notes to accompany Table 2

1. Tonnes and ounces of gold are rounded to the nearest thousand and grade is rounded to the nearest 0.1g/t Au. Rounding may affect tallies.
2. Resources reported above 1.0g/t Au block model grade.

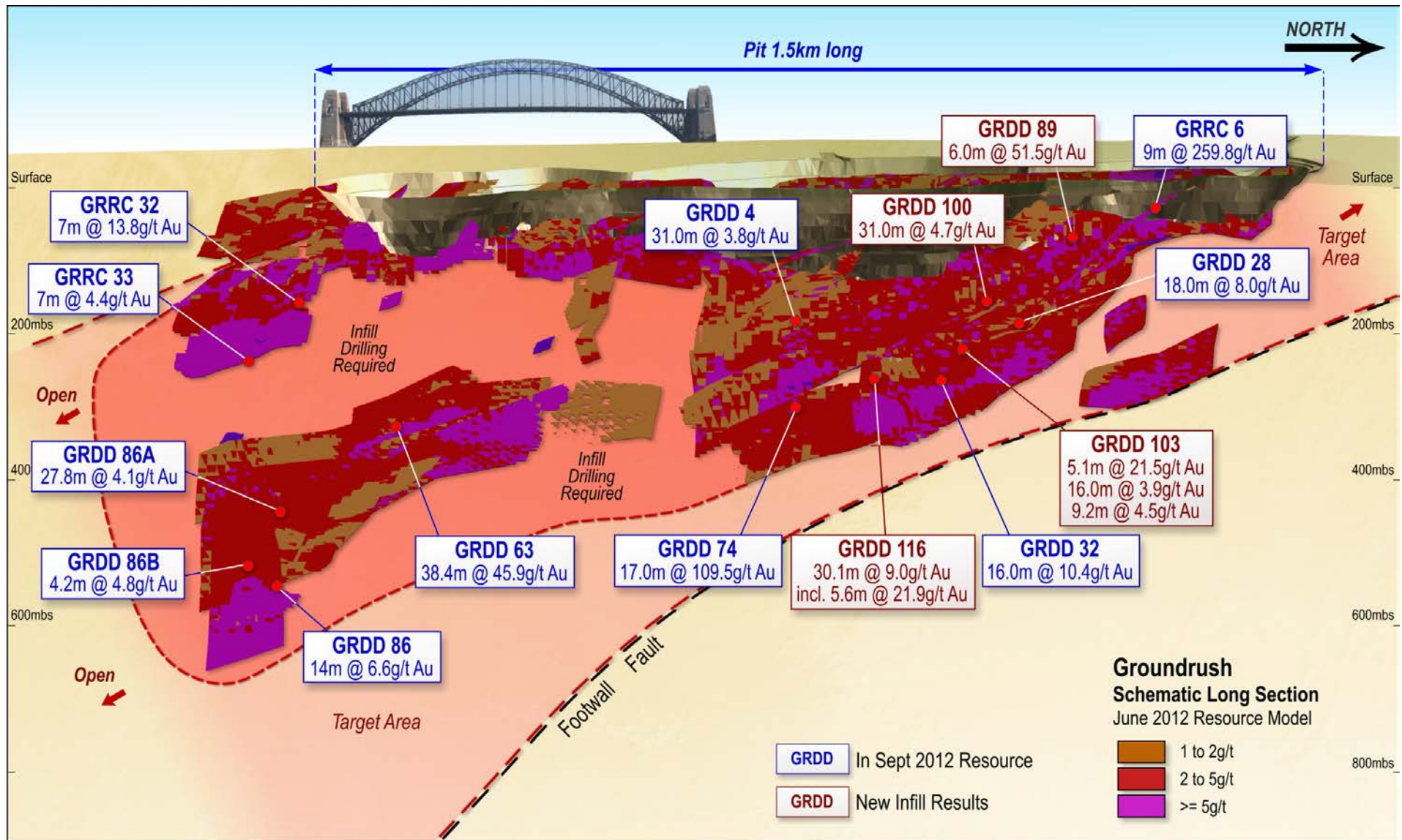
Competent Person Statement

The information in this report that relates to Mineral Resource Estimation, Geological Data and Exploration Results is based on information compiled by Mr Michael Thomson, a full time employee and Principal Geologist of Tanami Gold NL. Mr Thomson is a member of the Australasian Institute of Mining and Metallurgy and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration to qualify as a Competent Person as defined in the December 2004 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). Mr Thomson consents to the inclusion in this report of the matters based on his information in the form and context in which they appear.

This announcement contains certain statements which constitute "forward looking statements". Such statements are only predictions and are subject to inherent risks and uncertainties which could cause actual values, results and performance achievements to differ materially from those expressed, implied or projected in any forward-looking statement. No representation or warranty, expressed or implied, is made by Tanami Gold NL that material contained in this announcement will be achieved or proved correct.

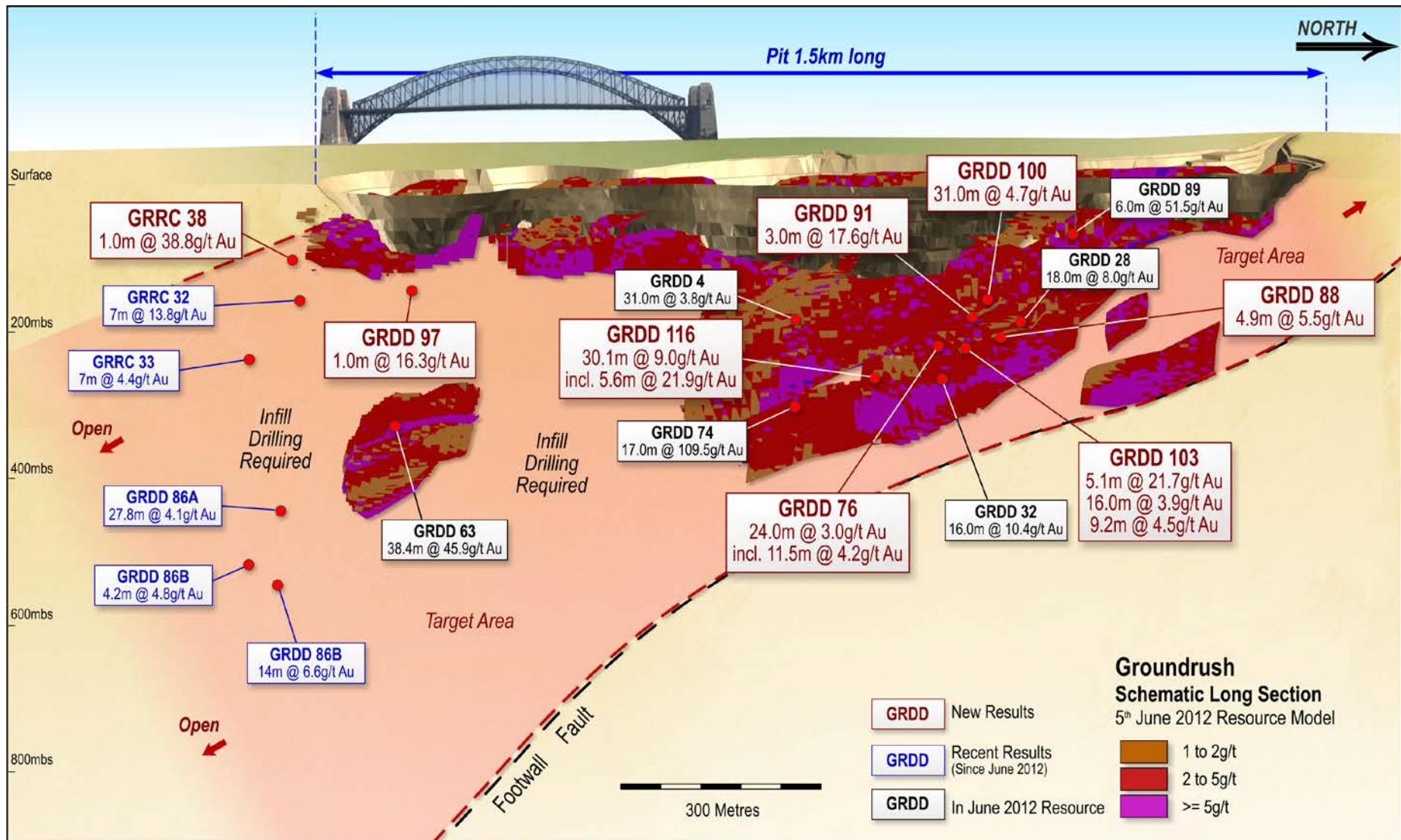
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Figure 1 – Groundrush Deposit – 3D Mineral Resource Block Model as at 20 September 2011



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Figure 2 - Groundrush Schematic Long Section as at 5 June 2012



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Table 3: Significant Intersections from Groundrush Deposit

| Hole_ID | Collar Easting | Collar Northing | Collar RL | Collar Dip | Collar Azimuth | Max Depth | m From | m To | Interval Width | Grade | Gram Metre |
|---------|----------------|-----------------|-----------|------------|----------------|-----------|------------|-------|----------------|-------|------------|
| GRDD76 | 603847 | 7820262 | 420 | -50 | 46 | 334 | 249 | 273 | 24 | 3.0 | 72 |
| | | | | | | | | | inc 11.5 | 4.2 | 48 |
| GRDD88 | 603950 | 7820446 | 372 | -79 | 262 | 165 | -75 | 277 | 4.9 | 5.5 | 27 |
| GRDD86 | | | 420 | -73 | 93 | | 563 | 571 | 8 | 2.0 | 16 |
| | | | | | | | 594 | 599 | 5 | 2.0 | 10 |
| | | | | | | | 641 | 655 | 14 | 6.6* | 92 |
| GRDD86A | | | 420 | -70 | 96 | | 451 | 457 | 6 | 2.2 | 13 |
| | | | | | | | 493 | 521 | 28.7 | 4.1 | 118 |
| | | | | | | | Incl 494 | 498 | 4 | 8.5 | 34 |
| | | | | | | | 577 | 582 | 5 | 2.6 | 13 |
| GRDD86B | | | 420 | -67 | 100 | | 467 | 470 | 3 | 3.1 | 9 |
| GRDD91 | 603959 | 7820443 | 372 | -66 | 59 | 129 | 89 | 92 | 3 | 17.6 | 53 |
| GRDD97 | 604292 | 7819561 | 366 | -65 | 54.7 | 176 | 117 | 118 | 1 | 16.3 | 16.3 |
| GRDD100 | 603855 | 7820211 | 423 | -52 | 51 | 355 | 276 | 308 | 31.7 | 4.7 | 150 |
| GRDD102 | 604178 | 7820350 | 422 | -47 | 226 | 339 | 229 | 239 | 10 | 3.2 | 32 |
| GRDD103 | 603857 | 7820214 | 423 | -50 | 46 | 340 | 238 | 243 | 5.1 | 21.7 | 111 |
| | | | | | | | 250 | 259 | 9.2 | 4.5 | 41 |
| | | | | | | | 278 | 294 | 16 | 3.9 | 63 |
| GRDD116 | 603862 | 7820145 | 422 | -52 | 48 | 369 | 328.6 | 358.7 | 30.1 | 9.0 | 272* |
| | | | | | | | Incl 328.6 | 334.3 | 5.6 | 21.9 | 123 |
| | | | | | | | Incl 334 | 358.7 | 10.4 | 12.6 | 131 |
| GRRC32 | 604327 | 7819423 | 420 | -60 | 49.7 | 204 | 127 | 134 | 7 | 13.8 | 97 |
| | | | | | | | Incl 127 | 129 | 2 | 45.5 | 89 |
| | | | | | | | 142 | 148 | 6 | 2.2 | 13 |
| GRRC33 | 604302 | 7819369 | 420 | -65 | 74.7 | 246 | 186 | 193 | 7 | 4.4 | 31 |
| | | | | | | | Incl 189 | 191 | 2 | 11.9 | 24 |
| GRRD38 | 604365 | 7819455 | 420 | -60 | 49.5 | 108 | 74 | 75 | 1 | 38.8 | 39 |
| GRDD63 | 604130 | 7819450 | 420 | -71 | 45.5 | 623.1 | 80.0 | 82.0 | 2.0 | 0.8 | 2 |
| | | | | | | | 421.0 | 459.4 | 38.4 | 45.9 | 1763 |
| | | | | | | | Incl 433.0 | 435.0 | 2.0 | 826.0 | 1652 |
| | | | | | | | 508.8 | 513 | 4.2 | 4.8 | 19 |

Notes to accompany Table 3

1. Collar Northing, Easting and Azimuth are all in MGA Grid coordinates. Collar RL is relative to AHD. Collar coordinates may vary upon final survey.
2. Analyses by 50g fire assay with AAS finish of half diamond core samples.
3. No cutting of grades has been applied. Assays are rounded to nearest 0.1g/t.
4. Significant intersections are greater than 1.0g/t with maximum 2 metres internal dilution.
5. Intervals are all down hole length.
6. Shaded intervals previously reported
7. *Significant intersections are greater than 0.2g/t with maximum 2 metres internal dilution.

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Table 4: Tanami Gold NL Mineral Resources as at 20 September 2012

| Project | Resource Category | | | | | | | | | | | |
|--------------|-------------------|-------|---------|-----------|-------|---------|------------|-------|-----------|------------|-------|-----------|
| | Measured | | | Indicated | | | Inferred | | | Total | | |
| | Tonnes | Grade | Ounces | Tonnes | Grade | Ounces | Tonnes | Grade | Ounces | Tonnes | Grade | Ounces |
| Coyote | 486,000 | 2.9 | 45,000 | 1,073,000 | 5.7 | 197,000 | 1,378,000 | 4.7 | 210,000 | 2,937,000 | 4.8 | 453,000 |
| CT | 6,799,000 | 3.0 | 654,000 | 8,538,000 | 2.8 | 774,000 | 10,396,000 | 3.5 | 1,157,000 | 25,733,000 | 3.1 | 2,586,000 |
| Sub Total | 7,285,000 | 3.0 | 699,000 | 9,611,000 | 3.1 | 971,000 | 11,774,000 | 3.6 | 1,367,000 | 28,670,000 | 3.3 | 3,038,000 |
| CT Stockpile | 1,700,000 | 0.9 | 48,000 | - | - | - | - | - | - | 1,700,000 | 0.9 | 48,000 |
| Total | 8,985,000 | 2.6 | 747,000 | 9,611,000 | 3.1 | 971,000 | 11,774,000 | 3.6 | 1,367,000 | 30,370,000 | 3.2 | 3,086,000 |

Notes to accompany Table 4

1. Coyote is Coyote Gold Mine and CT is Central Tanami.
2. Resource estimations completed using MineMap, Vulcan and Micromine software packages comprising a combination of ellipsoidal inverse distance and ordinary kriging grade interpolation methods.
3. Grade estimation was constrained to material within >0.7g/t mineralisation outlines.
4. Variable gold assay top cuts were applied based on geostatistical parameters and historical production reconciliation.
5. Resources reported above relevant cut-offs based on economic extractions, varying between 0.7 and 1.0g/t block model grade.
6. Stockpile figures from previously reported Otter Gold Mines NL 2001 Mineral Resource estimate less recorded treatment by Newmont Asia Pacific.
7. Tonnes and ounces rounded to the nearest thousand and grade rounded to 0.1g/t. Rounding may affect tallies.
8. The information in this report pertaining to Mineral Resources for the Central Tanami Project was compiled by Mr Bill Makar (MAusIMM), Consultant Geologist – Tanami Gold NL, Mr Michael Thomson (MAusIMM), Principal Geologist for Tanami Gold NL, Mr Steven Nicholls (MAIG), former Senior Geologist for Tanami Gold NL, Mrs Claire Hillyard (MAusIMM), Resource Geologist for Tanami Gold NL and Mr Peter Ball (MAusIMM), Director of Datageo Geological Consultants. Mr Makar, Mr Thomson, Mr Nicholls, Mrs Hillyard and Mr Ball have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration to qualify as Competent Persons as defined in the December 2004 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). Mr Makar, Mr Nicholls, Mrs Hillyard and Mr Ball consent to the inclusion in this report of the matters based on their information in the form and context in which it appears.

Table 5: Tanami Gold NL Mineral Resources as at 5 June 2012

| Project | Resource Category | | | | | | | | | | | |
|--------------|-------------------|-------|---------|-----------|-------|---------|------------|-------|-----------|------------|-------|-----------|
| | Measured | | | Indicated | | | Inferred | | | Total | | |
| | Tonnes | Grade | Ounces | Tonnes | Grade | Ounces | Tonnes | Grade | Ounces | Tonnes | Grade | Ounces |
| Coyote | 486,000 | 2.9 | 45,000 | 1,073,000 | 5.7 | 197,000 | 1,378,000 | 4.7 | 210,000 | 2,937,000 | 4.8 | 453,000 |
| CT | 6,727,000 | 3.0 | 645,000 | 8,536,000 | 2.8 | 775,300 | 8,653,000 | 3.3 | 907,200 | 23,916,000 | 3.0 | 2,328,000 |
| Sub Total | 7,213,000 | 3.0 | 690,000 | 9,609,000 | 3.1 | 972,300 | 10,031,000 | 3.5 | 1,117,200 | 26,853,000 | 3.2 | 2,781,000 |
| CT Stockpile | 1,700,000 | 0.9 | 48,000 | | | | | | | 1,700,000 | 0.9 | 48,000 |
| Total | 8,913,000 | 2.6 | 738,000 | 9,609,000 | 3.1 | 972,300 | 10,031,000 | 3.5 | 1,117,200 | 28,553,000 | 3.1 | 2,829,000 |

Notes to accompany Table 5

1. Coyote is Coyote Gold Mine and CT is Central Tanami
2. Resource estimations completed using MineMap, Vulcan and Micromine software packages comprising a combination of ellipsoidal inverse distance and ordinary kriging grade interpolation methods.
3. Grade estimation was constrained to material within >0.7g/t mineralisation outlines.
4. Variable gold assay top cuts were applied based on geostatistical parameters and historical production reconciliation.
5. Resources reported above relevant cut-offs based on economic extractions, varying between 0.7 and 1.0g/t block model grade.
6. Stockpile figures from previously reported Otter Gold Mines NL 2001 Mineral Resource estimate less recorded treatment by Newmont Asia Pacific.
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