



# **TANAMI GOLD NL**

(A.B.N. 51 000 617 176)

## **FIFTH ANNUAL REPORT FOR YEAR ENDING JANUARY 2002**

**AND**

## **FINAL REPORT JANUARY 1997 TO JANUARY 2002**

**EL 8517**

**NARDUDI**

**AUTHOR:  
M KAVANAGH**

**MARCH 2002**

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### CD Rom

This report and soil and lag sampling database.

## 1.0 INTRODUCTION

Tanami Exploration NL, A.B.N. 45 063 213 598, (TENL), a wholly owned subsidiary of Tanami Gold NL (TGNL), acquired a 100% interest in EL 8517 from Sons of Gwalia Limited (SOG) pursuant to a Letter Agreement dated 24 December 1998. The tenement formed part of the Nardudi Project together with Exploration Licences 8514, 8515 and 8957 which were also acquired from SOG.

No fieldwork was carried out on EL 8517 during the period from 1 January 2001 to 31 December 2001.

In September 1999 the Company applied for a Substitute Exploration Licence SEL(A) 22156 covering the majority of the area of the original granted EL 8517 and adjacent EL 6132. The application covered the retained portion of EL 8517. In January 2002 the Company surrendered EL 8517 with the area reverting to the SEL(A) 22156.

This report summarises exploration programs completed on EL 8517 from grant in January 1997 to surrender in January 2002. The report also covers Year 5 exploration activities.

## 2.0 LOCATION AND ACCESS

EL 8517 (Nardudi) is located within the Highland Rocks 1:250,000 Sheet (SF 52-7). The tenement is centred in the Tanami Desert, approximately 480 kilometres WNW of Alice Springs (Figure 1). Access is provided via the Stuart Highway and the Tanami Track, then by access tracks established by TENL and other companies with tenure in the Highland Rocks area.

## 3.0 TENURE

EL 8517 was granted to SOG on 10 January 1997 over an area of 382 blocks. A waiver from the statutory reduction was granted at the end of the second year of term. The licence was reduced to 66 blocks at the end of the third year of term.

At the end of the fourth year of term a further eight blocks were relinquished reducing the area of EL 8517 to 58 blocks with effect from 10 January 2001. A waiver from statutory reduction was granted in respect of 25 blocks on 17 January 2001.

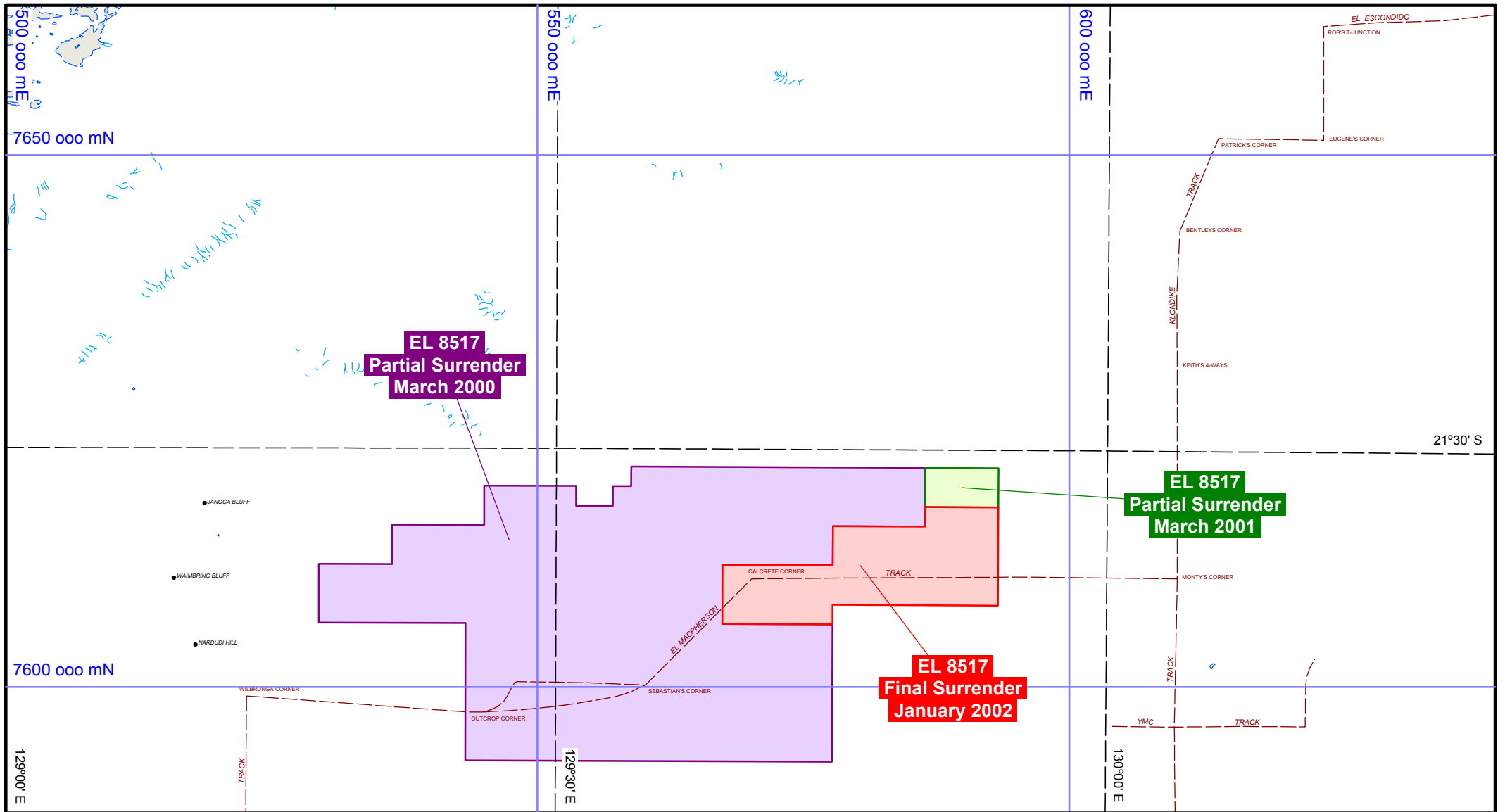
The tenement lies entirely on Aboriginal Land within the Central Desert Land Trust area. Consent to explore the land is granted by the Central Land Council (CLC) following successful negotiations with the traditional Aboriginal owners and the CLC.

The tenement was surrendered on 7 January 2002.

## 4.0 TENEMENT GEOLOGY

The tenement lies within the northern sector of the Lower Proterozoic Tanami-Arunta Province (an informal TGNL term).

Outcrop within the tenement is sparse. Bedrock is generally covered by either residual laterite capping or alluvial/aeolian sand. The BMR mapped isolated patches of Archaean (later defined as early Proterozoic) gneiss, schist and Proterozoic granitoid.



|                 |  |                   |                      |
|-----------------|--|-------------------|----------------------|
| <b>FIGURE 1</b> | ORIGINATOR:<br>M.E.Kavanagh  | DATE:<br>Feb 2002 | DRAWN:<br>M.H.Bailey |
|                 | <p style="text-align: center;"><b>1 : 500,000</b></p> <p style="text-align: center;">MGA Zone 52 (GDA94) <span style="float: right;">kilometres</span></p> |                   |                      |

**NARDUDI**

**TENEMENT LOCATION PLAN**

**TANAMI GOLD NL**

PLAN No: **25310\_Tt\_001**

Most of the area is covered by aeolian/alluvial sand cover of unknown depth. It is likely that the alluvial sand cover becomes deeper to the west, coinciding with the direction of drainage. Substantial longitudinal sand dunes are present throughout the tenement area.

Interpretation of the Highland Rocks Sheet aeromagnetic images indicates that the presence of a fault-bounded block of ENE trending elevated magnetic stratigraphy within the southern part of the tenement. This zone of elevated magnetic terrane was the main target to be tested by a RAB drill program.

## 5.0 EXPLORATION PROGRAMS

No fieldwork was carried out by SOG's during the first two years of term. During the third year, TENL completed a reconnaissance mapping and sampling program over the 25 kilometres strike of the elevated magnetic terrane. The geochemical sampling method comprised an orientation program utilising Genalysis Laboratory Services' 'Terra Leach' process. Results from the program were low namely, 0.4-1.0 ppb Au against a detection limit of 0.1 ppb Au.

The 1999 geochem sampling program was considered not to have adequately tested the magnetic terrane and that RAB drill geochemical drilling was required to fully evaluate the target magnetic terrane. The Company was unable to carry out RAB drilling planned for the 2000 and 2001 field seasons.

### Years 1 and 2 Exploration Program 1997 and 1998

No fieldwork was carried out on EL 8517 by SOG during the first two years of grant. SOG's principle activities in the region were on EL 8957 to the north of EL 8517.

A desktop regolith and aeromagnetic interpretation of the tenement area was completed, and was presented in the relevant Annual Report (See Section 6.0).

### Year 3 Exploration Program 1999

Exploration in 1999 was conducted by TENL following acquisition of the tenement from SOG. Programs completed included, field mapping over the tenement area and soil and lag geochemical sampling.

**Data Acquisition:** A set of contact print aerial photographs covering the tenement area was acquired prior to the commencement of fieldwork on EL 8517. The photographs were used to aid mapping in order to accurately position control points in the field and negotiate areas of sand dunes. Aerial photography was also useful in delineating potential sampling areas within the tenement.

Alternate prints for six runs of 1986 RC10 aerial survey photography were obtained for the Highland Rocks Sheet (SF 52-7).

**Geological Mapping:** Field mapping was undertaken at the same time as the surface lag and soil sampling program during November 1999.

Interpretation of regional geology and airborne magnetics indicated a likely Proterozoic basement of complexly folded Arunta Complex rocks throughout the tenement.

Gneissic outcrops typical of the Arunta Complex were observed at scattered locations throughout the tenement, particularly in the southern and western parts of the area cleared by the CLC for the 1999 sampling and mapping program. In addition, isolated granite outcrops were mapped by the BMR.

Low lateritic ridges were associated with most of the areas of basement outcrop. Extensive outcrops of Tertiary calcrete are associated with a major palaeodrainage system in the central to southern part of the tenement where extensive aeolian sand cover, including substantial east-west trending longitudinal dunes, masks basement over most of the tenement.

**Regional Soil Sampling:** A regional soil sampling was carried out over selected areas of the Nardudi tenement. Soil sampling statistics for the tenement are summarised in Table 1, and sample locations shown in Plate 1. A complete assay listing and sample log record is given in Appendix 1.

One hundred to two hundred gram samples of minus 250 micron sieved surface sand/soil cover were submitted to Genalysis Laboratory Services in Adelaide. Samples were submitted for analysis by the Terra-Leach process. Elements assayed for were Au (detection limit 0.01ppb), As (0.001ppm), Bi (0.1ppb), Co (0.001ppm), Ni (0.01ppm), Cu (0.01ppm), Zn (0.05ppm), Mo (0.001ppm), Sb (0.001ppm) and Pb (0.005ppm), using the PL1/M method of analysis for all elements.

Soil sampling was carried out over five regionally spaced (3-5 kilometre), GPS located traverses. Samples were collected at 200 metre intervals along the traverses. Generally low gold values averaging 0.04ppb gold and 0.10ppm arsenic were returned from areas overlying Tanami Complex stratigraphies. Peak results returned were 0.13ppb gold and 0.2ppm arsenic.

The best gold results were returned from sampling over calcrete on Sections 570400E and 574400E.

**Lag Geochemical Sampling:** A regional lag sampling program was carried out over three traverses of the tenement area. Sampling was concentrated on areas of exposed or partly stripped laterite profile, to shallow aeolian sand cover, targeting basal lag gravels. Lag sampling statistics for the tenement are summarised in Table 1, and sample locations shown in Plate 1. A complete assay listing and sample log record is given in Appendix 2.

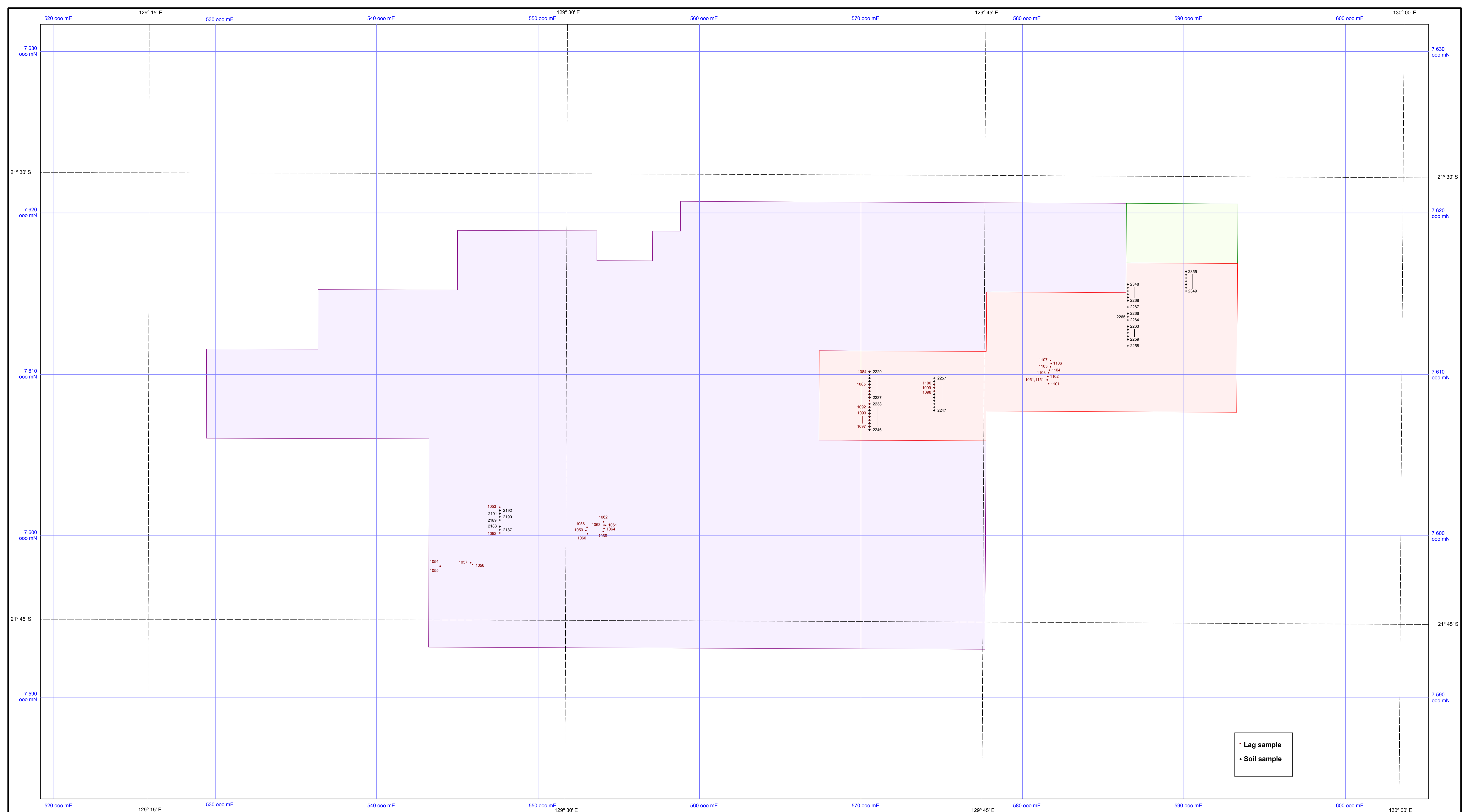
One to two kilogram samples of surface, or near surface, lag gravels (-6mm +1.7mm sieved fraction) from beneath aeolian sand cover, were submitted to Genalysis Laboratory Services in Adelaide. Samples submitted to Genalysis were assayed for gold (detection limit 1ppb), arsenic (detection limit 10ppm) and bismuth (detection limit 1ppm) using the B/ETA (Au) and B/AAS (As, Bi) methods of analysis.

Lag sampling was carried in areas where surficial lag was present. Generally low gold values averaging 0.4ppb gold and 3ppm arsenic were returned from pisolitic and gravel horizons overlying Tanami Complex stratigraphies. Peak results returned were 1ppb gold and 10ppm arsenic.

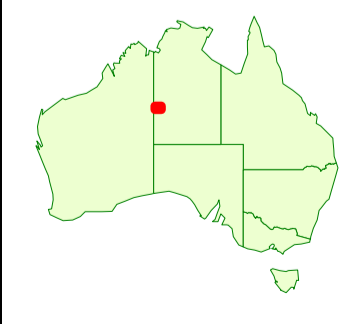
Lag sampling did not define any areas of gold or arsenic anomalism in the areas sampled.

**Table 1: 1999 Geochemical Sampling Summary**

| Tenement        | Type | Samples   |
|-----------------|------|-----------|
| EL 8517 Nardudi | SOIL | 58        |
|                 | LAG  | 40        |
| <b>Total</b>    |      | <b>98</b> |



• Lag sample  
+ Soil sample

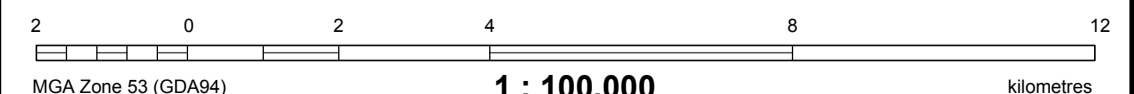


**TANAMI GOLD NL**

**NARDUDI**

**TGNL SOIL and LAG  
SAMPLE LOCATIONS (1999)**

|                            |                    |                           |
|----------------------------|--------------------|---------------------------|
| PEDESTAL<br>HILLS<br>4756  | INNINGARRA<br>4856 | GRANITES<br>4959          |
| SYDNEY<br>MARGARET<br>4755 | WICKHAM<br>4855    | HIGHLAND<br>4955          |
| NARDUDI<br>4754            | MCEWIN<br>4854     | MOUNT<br>FAREWELL<br>4954 |



MGA Zone 53 (GDAB4) **1 : 100,000**

|                                    |                          |                             |
|------------------------------------|--------------------------|-----------------------------|
| ORIGINATOR:<br><b>M.E.Kavanagh</b> | DATE:<br><b>Feb 2002</b> | DRAWN:<br><b>M.H.Balley</b> |
|------------------------------------|--------------------------|-----------------------------|

PLAN No: **25310\_Cm\_001**



**PLATE 1**

Results from the 1999 soil sampling and lag sampling program are given in detail in the 1999 Annual Report. A list of all reports submitted to the Department is given in Section 6.0 of this report.

#### **Year 4 Exploration Program 2000**

The Company submitted a 'Year 2000 Exploration Program' to the CLC on 27 March 2000. The submission included programs on EL 8517 as well as numerous other tenements in the district.

The CLC provided a cost estimate for the entire clearance program on 24 May 2000. Clearance surveys commenced in August with the Company receiving notification of clearance on 2 October 2000 for RAB drilling on EL 8517.

The Company's drilling contractor Bostech Pty Ltd was unable to supply a drill rig until mid November due to commitments to other clients. When the drill rig became available in mid-November, the Company completed RAB programs on EL 8514 and EL 8306 totalling 3,650 metres. The targets on EL 8514 and 8306 were given a higher priority than the magnetic terrane of EL 8517.

Isolated but heavy rainfall associated with local thunderstorms caused access problems in the soft sand areas. A decision to demobilise the rig was made at the completion of drilling on EL 8306. Accordingly, the planned drill program on EL 8517 was not completed.

#### **Year 5 Exploration Program 2001**

The planned (2000) RAB drill program on EL 8517 was not carried out in 2001 as the Company was unable to source a 'passing' drill rig (in order that rig mobilisation costs estimated at \$10,000 for a one-off program could be minimised).

A decision to relinquish EL 8517 in favour of SEL(A) 22156 was made in January 2002.

### **6.0 STATUTORY REPORT SUMMARY**

The following statutory reports have been submitted to the Department over the life of the tenement.

1. Sons of Gwalia Ltd., Annual Report for the Period 31 December 1996 to 30 December 1997.
2. Sons of Gwalia Ltd., Annual Report for the Period 10 January 1997 to 9 January 1998.
3. Tanami Exploration NL., EL8517 Nardudi, Annual Report for the Year Ending 9 January 1999.
4. Jones R. and Mayer M.E., 1999 Annual Mineral Exploration Report, EL 8517 Nardudi for the Year Ending 9 January 2000.
5. Jones R. and Mayer M.E., Relinquishment Report for part of EL 8517 Nardudi - March 2000.
6. Kavanagh M.E., Fourth Annual Report EL 8517 Nardudi for the Year Ending 9 January 2001.
7. Kavanagh M.E., Relinquishment Report for part of EL 8517 Nardudi - February 2001.
8. Kavanagh M.E., Fifth Annual Report and Relinquishment Report, EL 8517 Nardudi for the Year Ending 9 January 2002 - March 2002.



## **APPENDIX 1**

**EL 8517**

**NARDUDI**

### **Soil Sampling Data and Assays**

**Samples 2187 - 2192 (6 samples)**

**Samples 2229 - 2268 (40 samples)**

**Samples 2344 - 2355 (12 samples)**



**TANAMI GOLD NL  
2002 FINAL SURRENDER**

**TENL SOIL SAMPLING**

**NARDUDI  
EL 8517**

| Sample Number | AMG(84) Zone 52 Easting | AMG(84) Zone 52 Northing | Au ppb | Co ppm | Ni ppm | Cu ppm | Zn ppm | As ppm | Mo ppm | Sb ppm | Pb ppm | Bi ppm | Tenement Number | Date       | Geologist |
|---------------|-------------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|------------|-----------|
| 2187          | 547500                  | 7600200                  | 0.03   | 0.109  | 0.12   | 0.52   | 0.48   | 0.062  | 0.009  | X      | 0.268  | 1.4    | EL8517          | 24/11/1999 | TEM       |
| 2188          | 547500                  | 7600400                  | 0.04   | 0.186  | 0.14   | 0.71   | 0.35   | 0.071  | 0.013  | X      | 0.224  | 1.6    | EL8517          | 24/11/1999 | TEM       |
| 2189          | 547500                  | 7600800                  | 0.01   | 0.195  | 0.15   | 0.82   | 0.52   | 0.066  | 0.015  | X      | 0.233  | 1.7    | EL8517          | 24/11/1999 | TEM       |
| 2190          | 547500                  | 7601000                  | 0.10   | 0.337  | 0.32   | 1.07   | 0.25   | 0.072  | 0.016  | X      | 0.078  | 1.8    | EL8517          | 24/11/1999 | TEM       |
| 2191          | 547500                  | 7601200                  | 0.04   | 0.151  | 0.16   | 0.72   | 0.44   | 0.064  | 0.014  | X      | 0.266  | 2.1    | EL8517          | 24/11/1999 | TEM       |
| 2192          | 547500                  | 7601400                  | 0.05   | 0.169  | 0.18   | 0.68   | 0.44   | 0.066  | 0.015  | X      | 0.172  | 2.4    | EL8517          | 24/11/1999 | TEM       |
| 2229          | 570400                  | 7610000                  | 0.13   | 0.150  | 0.21   | 0.88   | 0.12   | 0.081  | 0.012  | X      | 0.020  | 0.7    | EL8517          | 27/11/1999 | TEM       |
| 2230          | 570400                  | 7609800                  | 0.01   | 0.080  | 0.09   | 0.49   | 0.38   | 0.077  | 0.013  | X      | 0.066  | 1.2    | EL8517          | 27/11/1999 | TEM       |
| 2231          | 570400                  | 7609600                  | 0.02   | 0.092  | 0.09   | 0.61   | 0.18   | 0.090  | 0.009  | X      | 0.024  | 0.7    | EL8517          | 27/11/1999 | TEM       |
| 2232          | 570400                  | 7609400                  | 0.03   | 0.161  | 0.15   | 0.62   | 0.40   | 0.106  | 0.026  | X      | 0.092  | 1.9    | EL8517          | 27/11/1999 | TEM       |
| 2233          | 570400                  | 7609200                  | 0.03   | 0.083  | 0.10   | 0.52   | 0.18   | 0.060  | 0.014  | X      | 0.022  | 0.7    | EL8517          | 27/11/1999 | TEM       |
| 2234          | 570400                  | 7609000                  | 0.03   | 0.172  | 0.20   | 1.03   | 0.58   | 0.061  | 0.032  | X      | 0.047  | 1.1    | EL8517          | 27/11/1999 | TEM       |
| 2235          | 570400                  | 7608800                  | 0.01   | 0.136  | 0.15   | 0.88   | 0.50   | 0.077  | 0.030  | X      | 0.105  | 1.7    | EL8517          | 27/11/1999 | TEM       |
| 2236          | 570400                  | 7608600                  | 0.01   | 0.063  | 0.09   | 0.42   | 0.27   | 0.053  | 0.020  | X      | 0.047  | 1.1    | EL8517          | 27/11/1999 | TEM       |
| 2237          | 570400                  | 7608400                  | 0.02   | 0.106  | 0.16   | 0.69   | 0.31   | 0.092  | 0.039  | X      | 0.070  | 2.2    | EL8517          | 27/11/1999 | TEM       |
| 2238          | 570400                  | 7608000                  | 0.04   | 0.404  | 0.29   | 1.59   | 0.75   | 0.099  | 0.060  | 0.001  | 0.110  | 3.4    | EL8517          | 27/11/1999 | TEM       |
| 2239          | 570400                  | 7607800                  | 0.03   | 0.433  | 0.41   | 1.84   | 1.19   | 0.094  | 0.057  | 0.001  | 0.189  | 4.2    | EL8517          | 27/11/1999 | TEM       |
| 2240          | 570400                  | 7607600                  | 0.02   | 0.204  | 0.26   | 1.05   | 0.55   | 0.103  | 0.044  | 0.001  | 0.149  | 4.2    | EL8517          | 27/11/1999 | TEM       |
| 2241          | 570400                  | 7607400                  | 0.01   | 0.075  | 0.09   | 0.33   | 0.24   | 0.053  | 0.022  | X      | 0.042  | 1.4    | EL8517          | 27/11/1999 | TEM       |
| 2242          | 570400                  | 7607200                  | 0.03   | 0.306  | 0.25   | 1.19   | 0.49   | 0.098  | 0.094  | 0.001  | 0.108  | 2.9    | EL8517          | 27/11/1999 | TEM       |
| 2243          | 570400                  | 7607000                  | 0.03   | 0.245  | 0.25   | 1.00   | 0.60   | 0.107  | 0.126  | 0.001  | 0.148  | 3.7    | EL8517          | 27/11/1999 | TEM       |
| 2244          | 570400                  | 7606800                  | 0.06   | 0.423  | 0.29   | 1.69   | 0.81   | 0.116  | 0.118  | 0.001  | 0.125  | 3.2    | EL8517          | 27/11/1999 | TEM       |
| 2245          | 570400                  | 7606600                  | 0.07   | 0.140  | 0.27   | 1.61   | 0.18   | 0.131  | 0.064  | X      | 0.053  | 1.3    | EL8517          | 27/11/1999 | TEM       |
| 2246          | 570400                  | 7606400                  | 0.01   | 0.115  | 0.14   | 0.82   | 0.25   | 0.101  | 0.017  | X      | 0.055  | 1.5    | EL8517          | 27/11/1999 | TEM       |
| 2247          | 574400                  | 7607600                  | 0.06   | 0.200  | 0.26   | 0.96   | 0.74   | 0.104  | 0.025  | 0.001  | 0.411  | 3.7    | EL8517          | 27/11/1999 | TEM       |
| 2248          | 574400                  | 7607800                  | 0.10   | 0.321  | 0.42   | 1.71   | 1.30   | 0.122  | 0.055  | 0.001  | 0.646  | 6.1    | EL8517          | 27/11/1999 | TEM       |
| 2249          | 574400                  | 7608000                  | 0.06   | 0.348  | 0.40   | 2.08   | 1.73   | 0.086  | 0.039  | X      | 0.563  | 3.2    | EL8517          | 27/11/1999 | TEM       |
| 2250          | 574400                  | 7608200                  | 0.10   | 0.312  | 0.39   | 1.70   | 0.84   | 0.190  | 0.062  | 0.001  | 0.206  | 3.4    | EL8517          | 27/11/1999 | TEM       |
| 2251          | 574400                  | 7608400                  | 0.05   | 0.203  | 0.29   | 1.21   | 0.55   | 0.156  | 0.047  | 0.001  | 0.104  | 2.1    | EL8517          | 27/11/1999 | TEM       |
| 2252          | 574400                  | 7608600                  | 0.03   | 0.189  | 0.28   | 1.04   | 0.73   | 0.131  | 0.039  | 0.001  | 0.144  | 3.0    | EL8517          | 27/11/1999 | TEM       |
| 2253          | 574400                  | 7608800                  | 0.06   | 0.351  | 0.30   | 1.08   | 0.52   | 0.141  | 0.073  | 0.001  | 0.146  | 3.5    | EL8517          | 27/11/1999 | TEM       |
| 2254          | 574400                  | 7609000                  | 0.05   | 0.197  | 0.25   | 0.96   | 0.42   | 0.116  | 0.070  | 0.001  | 0.098  | 3.2    | EL8517          | 27/11/1999 | TEM       |
| 2255          | 574400                  | 7609200                  | 0.03   | 0.126  | 0.17   | 0.90   | 0.39   | 0.090  | 0.049  | X      | 0.070  | 2.3    | EL8517          | 27/11/1999 | TEM       |
| 2256          | 574400                  | 7609400                  | 0.09   | 0.123  | 0.21   | 1.06   | 0.49   | 0.083  | 0.052  | X      | 0.057  | 2.1    | EL8517          | 27/11/1999 | TEM       |
| 2257          | 574400                  | 7609600                  | 0.02   | 0.214  | 0.18   | 0.83   | 0.35   | 0.094  | 0.042  | X      | 0.108  | 2.7    | EL8517          | 27/11/1999 | TEM       |
| 2258          | 586400                  | 7611600                  | 0.06   | 0.164  | 0.21   | 1.19   | 1.19   | 0.092  | 0.025  | 0.001  | 0.495  | 3.0    | EL8517          | 27/11/1999 | TEM       |
| 2259          | 586400                  | 7612000                  | 0.05   | 0.342  | 0.28   | 1.52   | 1.06   | 0.080  | 0.029  | X      | 0.268  | 3.0    | EL8517          | 27/11/1999 | TEM       |
| 2260          | 586400                  | 7612200                  | 0.06   | 0.332  | 0.23   | 1.02   | 0.51   | 0.129  | 0.036  | 0.001  | 0.346  | 3.4    | EL8517          | 27/11/1999 | TEM       |
| 2261          | 586400                  | 7612400                  | 0.02   | 0.162  | 0.18   | 0.73   | 0.40   | 0.078  | 0.026  | X      | 0.079  | 2.5    | EL8517          | 27/11/1999 | TEM       |



**TANAMI GOLD NL  
2002 FINAL SURRENDER**

**TENL SOIL SAMPLING**

***NARDUDI  
EL 8517***

| Sample Number | AMG(84) Easting | Zone 52 Northing | Au ppb | Co ppm | Ni ppm | Cu ppm | Zn ppm | As ppm | Mo ppm | Sb ppm | Pb ppm | Bi ppm | Tenement Number | Date       | Geologist |
|---------------|-----------------|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|------------|-----------|
| 2262          | 586400          | 7612600          | 0.05   | 0.155  | 0.21   | 0.56   | 0.30   | 0.091  | 0.017  | 0.001  | 0.103  | 3.7    | EL8517          | 27/11/1999 | TEM       |
| 2263          | 586400          | 7612800          | 0.03   | 0.136  | 0.30   | 0.87   | 0.38   | 0.117  | 0.020  | 0.001  | 0.151  | 5.1    | EL8517          | 27/11/1999 | TEM       |
| 2264          | 586400          | 7613200          | 0.05   | 0.220  | 0.36   | 1.04   | 0.42   | 0.133  | 0.068  | 0.002  | 0.174  | 6.4    | EL8517          | 27/11/1999 | TEM       |
| 2265          | 586400          | 7613400          | 0.08   | 0.300  | 0.40   | 1.12   | 0.40   | 0.143  | 0.074  | 0.002  | 0.172  | 6.3    | EL8517          | 27/11/1999 | TEM       |
| 2266          | 586400          | 7613600          | 0.04   | 0.218  | 0.30   | 0.97   | 0.28   | 0.113  | 0.068  | 0.001  | 0.104  | 3.7    | EL8517          | 27/11/1999 | TEM       |
| 2267          | 586400          | 7614000          | 0.06   | 0.243  | 0.42   | 1.10   | 0.59   | 0.132  | 0.033  | 0.002  | 0.261  | 7.4    | EL8517          | 27/11/1999 | TEM       |
| 2268          | 586400          | 7614400          | 0.11   | 0.352  | 0.58   | 1.28   | 0.60   | 0.210  | 0.050  | 0.003  | 0.223  | 9.3    | EL8517          | 27/11/1999 | TEM       |
| 2344          | 586400          | 7614600          | 0.02   | 0.184  | 0.19   | 0.66   | 0.56   | 0.080  | 0.014  | X      | 0.235  | 2.8    | EL8517          | 01/12/1999 | TEM       |
| 2345          | 586400          | 7614800          | 0.02   | 0.168  | 0.16   | 0.58   | 0.61   | 0.073  | 0.012  | X      | 0.268  | 2.4    | EL8517          | 01/12/1999 | TEM       |
| 2346          | 586400          | 7615000          | 0.02   | 0.162  | 0.15   | 0.59   | 0.48   | 0.066  | 0.013  | X      | 0.162  | 2.1    | EL8517          | 01/12/1999 | TEM       |
| 2347          | 586400          | 7615200          | 0.02   | 0.155  | 0.18   | 0.65   | 0.32   | 0.087  | 0.014  | X      | 0.121  | 2.6    | EL8517          | 01/12/1999 | TEM       |
| 2348          | 586400          | 7615400          | 0.02   | 0.184  | 0.19   | 0.70   | 0.51   | 0.088  | 0.013  | X      | 0.351  | 3.0    | EL8517          | 01/12/1999 | TEM       |
| 2349          | 590000          | 7615000          | 0.02   | 0.107  | 0.11   | 0.39   | 0.28   | 0.064  | 0.011  | X      | 0.155  | 1.9    | EL8517          | 01/12/1999 | TEM       |
| 2350          | 590000          | 7615200          | 0.02   | 0.105  | 0.13   | 0.52   | 0.38   | 0.068  | 0.011  | X      | 0.157  | 2.2    | EL8517          | 01/12/1999 | TEM       |
| 2351          | 590000          | 7615400          | 0.02   | 0.102  | 0.12   | 0.49   | 0.33   | 0.059  | 0.010  | X      | 0.226  | 1.8    | EL8517          | 01/12/1999 | TEM       |
| 2352          | 590000          | 7615600          | 0.05   | 0.294  | 0.26   | 0.94   | 0.33   | 0.086  | 0.017  | X      | 0.111  | 3.1    | EL8517          | 01/12/1999 | TEM       |
| 2353          | 590000          | 7615800          | 0.06   | 0.205  | 0.26   | 1.02   | 0.49   | 0.103  | 0.020  | 0.001  | 0.142  | 4.3    | EL8517          | 01/12/1999 | TEM       |
| 2354          | 590000          | 7616000          | 0.02   | 0.105  | 0.11   | 0.45   | 0.42   | 0.057  | 0.011  | X      | 0.176  | 1.7    | EL8517          | 01/12/1999 | TEM       |
| 2355          | 590000          | 7616200          | 0.03   | 0.084  | 0.11   | 0.42   | 0.35   | 0.057  | 0.007  | X      | 0.242  | 1.9    | EL8517          | 01/12/1999 | TEM       |

## **APPENDIX 2**

**EL 8517**

**NARDUDI**

### **Lag Sampling Data and Assays**

**Samples 1050 - 1065 (16 samples)**

**Samples 1084 - 1107 (24 samples)**



**TANAMI GOLD NL  
2002 FINAL SURRENDER**

**TENL LAG SAMPLING**

**NARDUDI  
EL 8517**

| Sample Number | AMG(84) Zone 52 |          | Depth (m) |      | Au ppb Ave | Au ppb | As ppm | Bi ppm | % Qtz | % Piso | % Rock | Regolith | Lithology | Tenement Number | Date       | Geologist |
|---------------|-----------------|----------|-----------|------|------------|--------|--------|--------|-------|--------|--------|----------|-----------|-----------------|------------|-----------|
|               | Easting         | Northing | From      | To   |            |        |        |        |       |        |        |          |           |                 |            |           |
| 1050          | 581400          | 7609490  | 0         | 0.01 | 0          | X      | X      | X      | 0     | 0      | 100    | SAP      | GNS       | EL8517          | 24/11/1999 | TEM       |
| 1051          | 581400          | 7609490  | 0         | 0.1  | 0          | X      | 5      | 1      | 0     | 0      | 100    | LAG      | GRV       | EL8517          | 24/11/1999 | TEM       |
| 1052          | 547500          | 7600000  | 0.4       | 0.5  | 0          | X      | 10     | X      | 0     | 100    | 0      | LAG      | PISO      | EL8517          | 24/11/1999 | TEM       |
| 1053          | 547500          | 7601600  | 0.2       | 0.3  | 0          | X      | 10     | X      | 0     | 100    | 0      | LAG      | PISO      | EL8517          | 24/11/1999 | TEM       |
| 1054          | 543800          | 7597940  | 0         | 0.01 | 0          | X      | X      | X      | 0     | 0      | 100    | SAP      | GNS       | EL8517          | 24/11/1999 | TEM       |
| 1055          | 543800          | 7597960  | 0         | 0.01 | 0          | X      | X      | X      | 100   | 0      | 0      | SAP      | VQU       | EL8517          | 24/11/1999 | TEM       |
| 1056          | 545800          | 7598050  | 0         | 0.01 | 0          | X      | X      | 2      | 0     | 0      | 100    | LAG      | GRV       | EL8517          | 24/11/1999 | TEM       |
| 1057          | 545700          | 7598150  | 0         | 0.01 | 0          | X      | X      | X      | 0     | 0      | 100    | LAG      | GRV       | EL8517          | 24/11/1999 | TEM       |
| 1058          | 552900          | 7600370  | 0.2       | 0.3  | 0          | X      | 10     | X      | 0     | 100    | 0      | LAG      | PISO      | EL8517          | 24/11/1999 | TEM       |
| 1059          | 552830          | 7600160  | 0         | 0.01 | 0          | X      | 10     | X      | 0     | 100    | 0      | LAG      | PISO      | EL8517          | 24/11/1999 | TEM       |
| 1060          | 552930          | 7599960  | 0.2       | 0.3  | 0          | X      | 10     | X      | 0     | 100    | 0      | LAG      | PISO      | EL8517          | 24/11/1999 | TEM       |
| 1061          | 554060          | 7600480  | 0         | 0.01 | 0          | X      | X      | X      | 0     | 0      | 100    | SAP      | FBX?      | EL8517          | 24/11/1999 | TEM       |
| 1062          | 553930          | 7600700  | 0         | 0.01 | 0          | X      | 10     | X      | 0     | 100    | 0      | LAG      | PISO      | EL8517          | 24/11/1999 | TEM       |
| 1063          | 553950          | 7600500  | 0         | 0.01 | 0          | X      | 10     | X      | 0     | 100    | 0      | LAG      | PISO      | EL8517          | 24/11/1999 | TEM       |
| 1064          | 553950          | 7600300  | 0         | 0.01 | 0          | X      | 5      | X      | 0     | 100    | 0      | LAG      | PISO      | EL8517          | 24/11/1999 | TEM       |
| 1065          | 553900          | 7600100  | 0.2       | 0.3  | 1          | 1      | 10     | X      | 0     | 100    | 0      | LAG      | PISO      | EL8517          | 24/11/1999 | TEM       |
| 1084          | 570400          | 7610000  | 0         | 0.05 | 1          | 1      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1085          | 570400          | 7609200  | 0         | 0.05 | 0          | X      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1086          | 570400          | 7609000  | 0         | 0.05 | 1          | 1      | X      | 1      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1087          | 570400          | 7608800  | 0         | 0.05 | 0          | X      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1088          | 570400          | 7608600  | 0         | 0.05 | 1          | 1      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1089          | 570400          | 7608400  | 0         | 0.05 | 0          | X      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1090          | 570400          | 7608200  | 0         | 0.05 | 1          | 1      | X      | 1      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1091          | 570400          | 7608000  | 0         | 0.05 | 1          | 1      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1092          | 570400          | 7607800  | 0         | 0.05 | 0          | X      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1093          | 570400          | 7607400  | 0         | 0.05 | 0          | X      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1094          | 570400          | 7607200  | 0         | 0.05 | 1          | 1      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1095          | 570400          | 7607000  | 0         | 0.05 | 0          | X      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1096          | 570400          | 7606800  | 0         | 0.05 | 1          | 1      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1097          | 570400          | 7606600  | 0         | 0.05 | 0          | X      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1098          | 574400          | 7608800  | 0         | 0.05 | 0          | X      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1099          | 574400          | 7609000  | 0         | 0.05 | 1          | 1      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1100          | 574400          | 7609200  | 0         | 0.05 | 1          | 1      | X      | X      | 0     | 0      | 0      | CAL      | CAL       | EL8517          | 27/11/1999 | TEM       |
| 1101          | 581500          | 7609250  | 0         | 0.1  | 0          | X      | X      | X      | 70    | 10     | 20     | LAG      | GRV       | EL8517          | 27/11/1999 | TEM       |
| 1102          | 581450          | 7609700  | 0.1       | 0.2  | 1          | 1      | X      | X      | 0     | 20     | 80     | LAG      | GRV       | EL8517          | 27/11/1999 | TEM       |
| 1103          | 581500          | 7609920  | 0         | 0.1  | 1          | 1      | X      | X      | 0     | 0      | 100    | MOT      | SLT?/LAT  | EL8517          | 27/11/1999 | TEM       |
| 1104          | 581530          | 7610100  | 0.1       | 0.2  | 1          | 1      | 10     | X      | 0     | 40     | 60     | LAG      | GRV/PISO  | EL8517          | 27/11/1999 | TEM       |
| 1105          | 581600          | 7610300  | 0.1       | 0.2  | 0          | X      | 5      | X      | 0     | 20     | 80     | LAG      | GRV       | EL8517          | 27/11/1999 | TEM       |
| 1106          | 581650          | 7610500  | 0.1       | 0.2  | 0          | X      | 10     | X      | 0     | 20     | 80     | LAG      | GRV       | EL8517          | 27/11/1999 | TEM       |
| 1107          | 581600          | 7610700  | 0.1       | 0.2  | 1          | 1      | 10     | X      | 0     | 20     | 80     | LAG      | GRV       | EL8517          | 27/11/1999 | TEM       |