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TENEMENT HOLDER: The Shell Co. Of Australia Ltd.

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REPORT FOR THE QUARTER ENDING 28TH JULY, 1987

EXPLORATION LICENCE 1396,

BENDA RANGE,

SOUTH AUSTRALIA

by

C.K. PROWSE

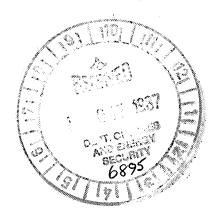
AUGUST, 1987

TENEMENT HOLDER:

THE SHELL COMPANY OF AUSTRALIA LIMITED, G.P.O. BOX 1319, ADELAIDE, SOUTH AUSTRALIA, 5001.

TENEMENT OPERATOR:

TRI-ARC ENERGY LIMITED, 4TH FLOOR, 124 EXHIBITION STREET, MELBOURNE, VICTORIA, 3000.



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LIST OF PLANS

Fig. 1 Locality Diagram EL 1396 1:250,000

1. INTRODUCTION

Exploration Licence 1396 is situated over the Benda Range area in north-eastern South Australia, approximately 61 kilometres from the township of Peterborough, adjacent to the Barrier Highway (Refer Figure 1). It was granted to The Shell Company of Australia Limited on April 29th, 1987, and covers an area of 1455 square kilometres.

Exploration in the region is targeted toward cross-cutting gold mineralized quartz reefs/veining primarily in the Tarcowie filtstone (Umberatana group), gold in known mineralized zones in the Saddleworth Formation (Burra Group), and circular features as outlined from Landsat interpretation. Although the area has received exhaustive exploration for base metals, no consistent or comprehensive search for gold has been undertaken.

Tri-Arc Energy Limited has entered into a joint venture agreement with The Shell Company of Australia Limited whereby Tri-Arc Energy Limited can earn a 50% interest in the tenement over a two year period.

2. WORK CARRIED OUT

Work during the quarter centred on preliminary data gathering and field visits of reported gold anomalies.

2.1 Literature Search

A detailed literature search was undertaken of all information pertaining to the area. Open file reports from previous tenement holders indicated a bias toward base metal exploration. The more recent periods of activity in the region are outlined below:-

1968 - 1970	ASARCO (AUSTRALIA) PTY. LTD.
1971	ARCHEAN EXPLORATION PTY. LTD.
1971 - 1974	SASEARCH PTY. LTD.
1977	AUSTRALIAN CITIES SERVICE INCORPORATED
1980	STELLAR MINING N.L.
1981	CRA EXPLORATION PTY. LTD.
1985	AUSTRALIAN ANGLO AMERICAN SEARCHES PTY. LTD.

The latter company's exploration was centred on gold mineralization but results were inconclusive. It does, however, give the only significant data over EL 1396.

All published mapping over the area has been compiled.

2.2 Field Reconnaissance

A field team visited the area for preliminary investigation of known mineralized areas, anomalous zones and sampling.

Rock chip sampling over the Gum Well and Scobie Hill mine areas (see Figure 1) was carried out to attempt to duplicate anomalous gold values from previous work. The style of mineralization in the area could be seen particularly in the Scobie Hill workings. This showed chiefly steeply dipping siltstones with pyrite pseudomorphic texture, heavily jointed and sheared in places. High iron contents (hematite) were noted in some beds with copper mineralization evident. Quartz reefs dipped concordantly and ranged in thickness from twenty centimetres to approximately fifty centimetres.

Anomalous gold assay results from Australian Anglo American Searches Pty. Ltd. work in the Gum Dam area proved to be from cross-cutting quartz veins mainly ten to fifty centimetres thick with occasional one metre thicknesses. These reefs returned values of up to 15.8 g/t Au in Anglo's work.

2.3 Orientation Geochemical Sampling

Rock chip sampling was confined to known anomalous gold areas in an attempt to duplicate previous anomalous gold assays. Stream sediment samples were taken from streams draining known anomalous gold areas as well as from streams where anomalous arsenic values had previously been obtained by Australian Anglo American Searches Pty. Ltd. All samples were forwarded to Analabs, Perth, W.A., for assaying.

The stream sediment samples consisted of 5kg of -6mm seived material and were analysed for Au, Cu and Ag by the Bulk Cyanide Leach (BCL) method, however, results were not available at the time of reporting. The BCL method is a very sensitive indicator (0.01 ppb Au detection limit) of gold mineralisation and tends to give more reliable results than conventional AAS techniques because of the larger than normal sample size collected, combined with the fact that all of the sample is used in the cyanide leaching process. The BCL assay results are an expression of the fine free gold in the sample and therefore are not a total gold analysis.

WORK PROGRAMME

Future work on Exploration Licence 1396 will include:-

- 1. Production of reliable regional mapping with adequate control from current published mapping and air photography.
- 2. Air photo interpretation of structure, particularly the lineaments and circular features outlined from Landsat data.
- 3. Regional helicopter supported BCL stream sediment survey (approximately 300 samples) to establish anomalous zones for subsequent testing.

4. CONCLUSIONS

It is evident that the area has not been adequately tested for gold mineralization. Potential for smaller tonnages of high grade deposits exists although regional sampling may indicate potential for high tonnage, open cut resources.

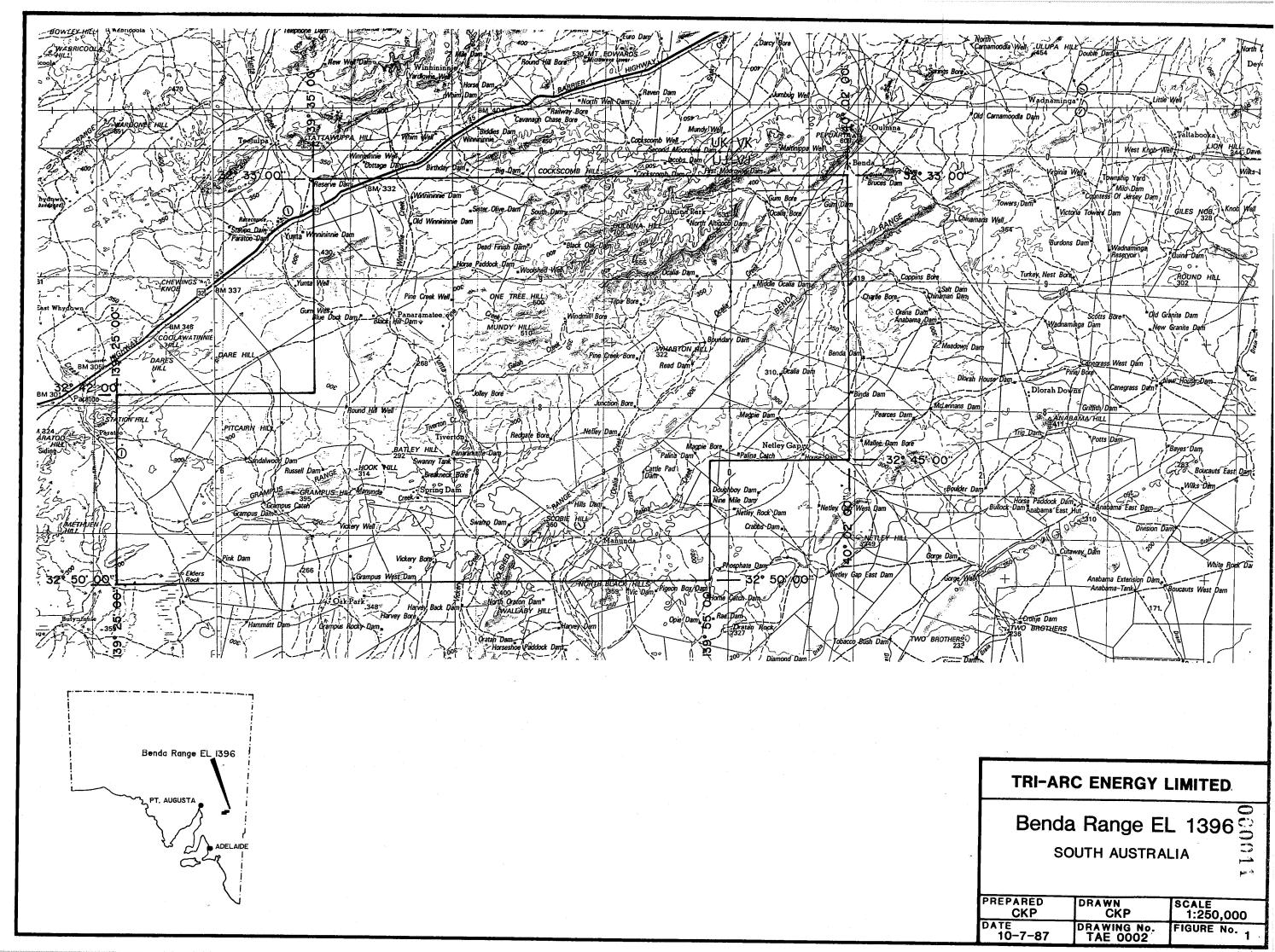
5. EXPENDITURE

BENDA RANGE EXPLORATION LICENCE 1396

EXPENDITURE STATEMENT

QUARTER ENDING 28TH JULY, 1987

Staff Salaries	\$ 5,875.00
Consultants Fees	3,025.00
Travelling Expenses	1,270.06
Accommodation and Meals	610.40
Motor Vehicle Expenses	937.73
Field Supplies	136.38
Plans and Maps	17.80
Freight	426.46
Overhead Costs	1,230.00
	\$13,528.83



REPORT FOR THE QUARTER ENDING 28TH OCTOBER, 1987

EXPLORATION LICENCE 1396,

BENDA RANGE,

SOUTH AUSTRALIA

by

C.K. PROWSE

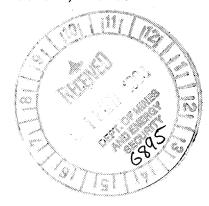
NOVEMBER, 1987

TENEMENT HOLDER:

THE SHELL COMPANY OF AUSTRALIA LIMITED, G.P.O. BOX 1319, ADELAIDE, SOUTH AUSTRALIA, 5001.

TENEMENT OPERATOR:

TRIARC CORPORATION LIMITED, 4TH FLOOR, 124 EXHIBITION STREET, MELBOURNE, VICTORIA, 3000.



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LIST OF PLANS

FIG 1. Sample Location Diagram, 1:250,000

APPENDIX 1. BLEG stream sediment and rock chip assay results

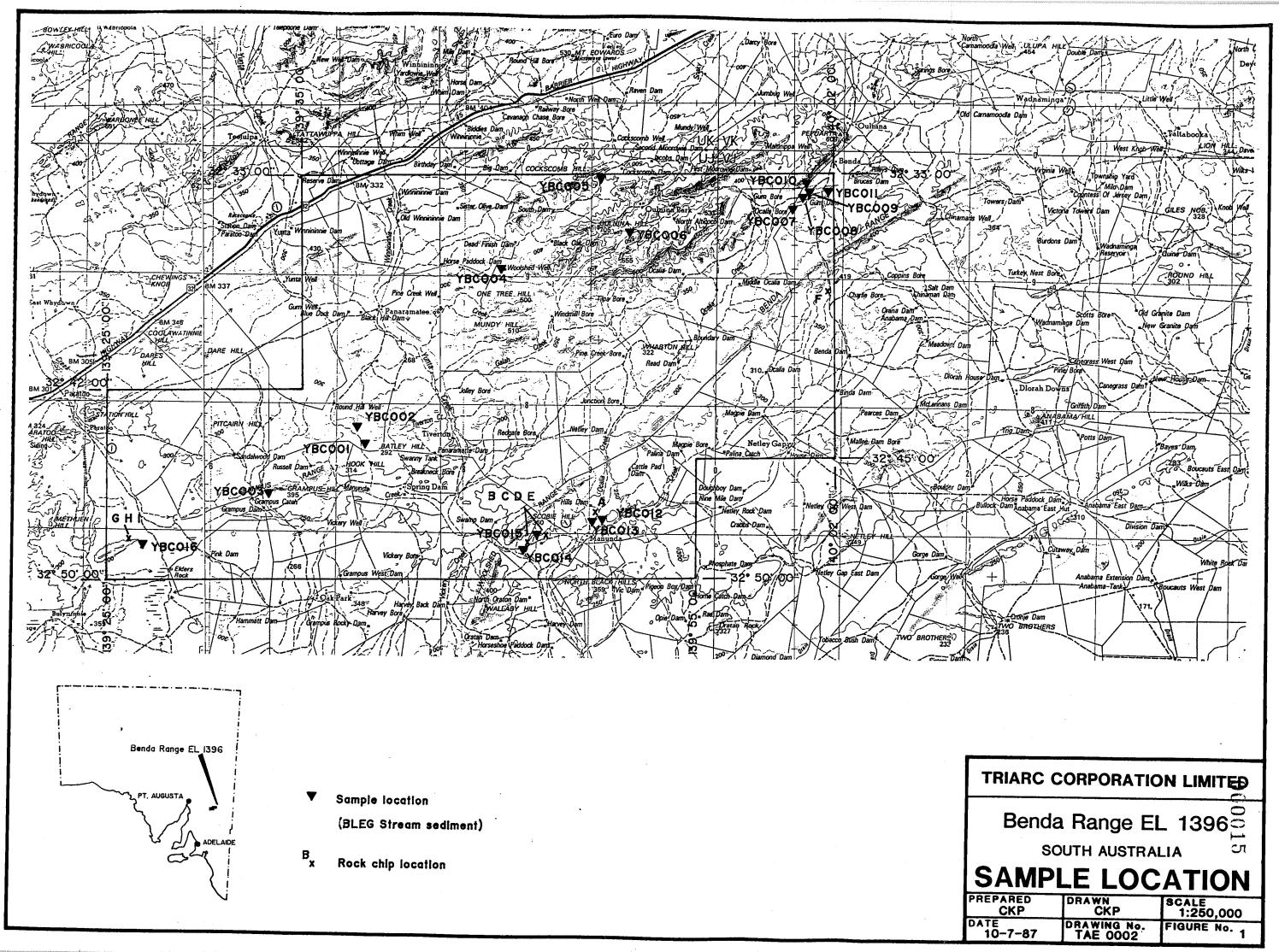
1. INTRODUCTION

1

Exploration Licence 1396 is situated over the Benda Range area in north-eastern South Australia, approximately 61 kilometres from the township of Peterborough, adjacent to the Barrier Highway (Refer Figure 1). It was granted to The Shell Company of Australia Limited on April 29th, 1987, and covers an area of 1455 square kilometres.

Exploration in the region is targeted toward cross-cutting gold mineralized quartz reefs/veining primarily in the Tarcowie siltstone (Umberatana group), gold in known mineralized zones in the Saddleworth Formation (Burra Group), and circular features as outlined from Landsat interpretation. Although the area has received exhaustive exploration for base metals, no consistent or comprehensive search for gold has been undertaken.

Triarc Corporation Limited, formerly Tri-Arc Energy Limited, entered into a joint venture agreement with The Shell Company of Australia Limited whereby Triarc Corporation Limited can earn a 50% interest in the tenement over a two year period.



WORK CARRIED OUT

Activities during the quarter consisted of preparation for a regional geochemical sampling programme and assessment of orientation sampling results.

No field work was carried out.

2.1 Base Map

Department of Lands airphoto coverage of the region was flown in 1982 at a scale of 1:87,000. A small portion of EL 1396 is covered by a subsequent survey conducted in 1983 at a scale of 1:40,000. Colour air photo coverage, enlarged to a scale of 1:40,000, was obtained for the Licence area. Compilation of a 1:40,000 base sheet, from the airphoto collage and published mapping is in progress.

2.2 Orientation Sampling Results

Rock Chip samples and Bulk Leach Extractable Gold (BLEG) samples were submitted to Analabs, Perth, W.A., for assaying by method 328 for gold, silver and copper. Results are tabulated in Appendix 1.

2.2.1 Rock Chip Sampling

The rock chip samples failed to reproduce previously reported anomalous gold values, although they did reflect expected high copper contents. Highest gold values of 0.52 ppm and 0.26 ppm Au coincide with highest copper values of 2.75% and 3.75% Cu respectively. No correlation between gold and arsenic is evident from these assays.

2.2.2 Stream Sediment BLEG Samples

YBC001-006 tested arsenic anomalies outlined by an Australian Anglo American Searches Ltd. (Anglo) stream sediment sampling programme. The samples produced low silver and copper assays with gold values in the 0.17 ppb to 0.74 ppb Au range.

YBC007-011 were taken downstream from the Gum Dam area and were designed to test Anglo's anomalous rock chip samples from auriferous cross cutting quartz veins (Assays ranged from 0.20 ppm - 15.8 ppm Au). Copper and silver values are low in all of these samples with the exception of YBC008. This sample recorded the highest gold value (2.7 ppb) and second highest silver and copper values (26.7ppb Ag; 503 ppb Cu). The other four samples from the area, YBC007, 009, 010 and 011, gave values of 1.2, 1.0, 0.91 and 0.6 ppb Au and low copper and silver assays.

YBC012-015 tested sediments downstream from known copper mineralization.
YBC012-013 were taken from the Gum Well (Manunda) workings with YBC012
reporting the highest silver and copper readings of 27.3 ppb Ag and 827 ppb
Cu, but lower gold (0.35 ppb). This contrasted with the Gum Creek (Scobie Hill) samples, YBC014-015, which gave mixed, but generally low assays of all elements.

The BLEG method does not give a total assay of the Au, Ag or Cu contained in the sample. The Au and Ag values represent the fine free gold in the sample but the Cu values are less reliable. However, it is the relative values of each element in the samples that are significant and from these relative values the following conclusions have been reached:

- Orientation data suggests gold values of ≥1 ppb indicate anomalous bedrock gold mineralization.
- 2. Arsenic appears to be unsuitable as a pathfinder element as resampling of previous arsenic stream sediment anomalies gave low BLEG gold assays. (There was no correlation between gold and arsenic in the rock chip samples.)
- Similarly, copper and silver appear unsuitable as indicators of gold mineralisation. Although copper and silver correlate well with each other, neither correlates with gold.

3. WORK PROGRAMME

The stream sediment sampling programme is planned for early 1988. BLEG samples will be collected at a density of one sample per 5 square kilometres. Approximately 300 sample sites have been selected from the aerial photographs.

4. EXPENDITURE

BENDA RANGE EXPLORATION LICENCE 1396.

EXPENDITURE STATEMENT.

QUARTER ENDING 28TH OCTOBER, 1987.

	\$
Staff Salaries	1,520
Travelling Expenses	268
Assaying	721
Plans & Maps	1,037
Telephone	120
General	8.5
Legal Costs	1,948
Overhead Costs	570
	\$6,269

APPENDIX 1

- i Rock Chip Assay Results
- ii BLEG Stream Sediment Assay Results

TRIARC CORPORATION LIMITED

Project Name BENDA RANGE

X =

Below detection limit.

SAMPLE ASSAY SUMMARY

Assay Laboratory ANALABS, W.A.

Page 1 of 3 Sample type ROCK CHIP / GRAB **DESCRIPTION** SAMPLE No. Pb Zn Cu Au Ag As 0.005 30 20 Gum Well Mine. Gossan, float 0.520 2.75% 15 Cu/Gossan Scobie Hill. 0.075 25 3050 Otz Breccia X 0.260 3.75% 35 Wall rock 0.005 370 1.80% 35 x Hematitic Fe stone 25 2050 10 0.010 95 F Otz. vein Netley gap road 485 440 W. Elder rock 0.5m across qtz vein G ⁴85 50 3.0m Н X 10 1.0m 15 I х 0.005 0.5 2 5 5 ppm DETECTION LIMIT

TRIARC CORPORATION LIMITED

Project Name BENDA RANGE

SAMPLE ASSAY SUMMARY

Assay Laboratory ANALABS, W.A.

Page 2 of 3 Sample type BLEG Stream Sed. Orientation DESCRIPTION Au Cii SAMPLE No. Ag Near qtz reef with specular hematite. Red & grey 2.3 0.42 214 siltstone pebbles, honeycombed; As anomaly; near AAA0029 YBC 001 Grey siltstones & red fine sand & silt, Honeycomb siltst. Tilite & Hematite pebbles in channel. As 0.21 5.5 282 YBC 002 anomaly; near AAA 0026 Buckshot gravel, qtz.Sst., cobbles & red-brown clayey 0.35 4.0 27 material, As anomaly; near AAA 0266. YBC 003 Abundant pyrite pseudomorphs in siltstone, boulders 4.3 0.74 of sst & siltst. Qtz/limonite, As anomaly; near X 004 YBC AAA 0061, Red soil. Sst & siltst. strike oblique to channel. Fe veining 0.40 | 11.0 & honeycomb pseudo. Siltst. Lt.brown soil, As anomaly 255 YBC 005 Near AAA 0575. 5° Massive Siltstone. Honeycomb pebbles 7.1 0.17 321 minor qtz. As anomaly, Near AAA 0185. YBC 006 Tributary 2m deep. Lt.red soil. Siltstone minor qtz 6.9 133 1.20 Near AAA 0814. Gum Dam area. YBC 007 Clayey red soil, small buckshot gravel. Minor qtz. 2.70 | 26.7 503 Siltst. & Sst pebbles; no bedrock visible. Gum Dam. YBC 008

TRIARC CORPORATION LIMITED

Project Name

BENDA RANGE

SAMPLE ASSAY SUMMARY

Assay Laboratory ANALABS, W.A.

Page 3 of 3 Sample type BLEG Stream Sed. Orientation SAMPLE No. DESCRIPTION Ag A11 Cu 0.5m deep. Calcrete bottom. Gravel Shallow trib. & sand size. Lt.brown soil. Near AAA 0820, Gum Dam 1.00 4.7 34 YBC 009 area. Behind Gum Dam, Near AAA 0804, Gum Dam area, Calcrete bedrock. Cementing Sst & Siltst. pebbles abundant buck 0.91 14.7 YBC 010 shot. Fine gravels, sand siltclay. No bedrock visible 12.2 Brown-red soil, Near AAA 0802 Gum Dam area. 0.60 179 YBC 011 Gum Well Cu. workings. Abundant qtz & Fe fine gravel 0.25 27.3 827 YBC 012 Downstream AAA 0923-0924. Near BAUS Rx chip. Red-brown soil, Downstream AAA 0925 No bedrock 1.20 25.5 494 YBC 013 visible. Gum Well Cu workings. Cobbly gravel. Abundant qtz/limonite. Sst/Siltst. pebbles & gravel Grey-Buff-red/brown, Scobie Hill 0.11 4.1 436 YBC 014 Near AAA 0942. Otz gravels, Fe siltst/Sst. Near AAA 0941 Scobie Hill. 0.28 12.9 257 YBC 015 Elder Rock area. Red soil. Qtz gravels, Near YBC 016 AAA BRR 001, BR 002. 6.0 348 0.25 0.5 0.1 x = Below Detection Limit. DETECTION LIMIT ppb