

**YEARLY REPORT FOR E.L. 18/91 - MANGANA
FOR 1993/94**

Prepared by Alex White

AMG REFERENCE POINTS ADDED

MANGANA

A hard rock chip sample program was carried out on the Mangana Gold Reefs golden entrance areas.

A total of 30 samples were collected the results are enclosed.

ANALYTICAL DATA

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

PAGE

103300.60.09810

22/10/93

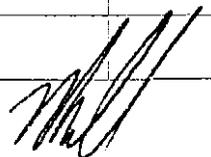
KERRY BUTLER

1 OF 2

TUBE No.	SAMPLE No.	Au	Au(R)	Au(S)					
1	GE 1R	0.322	-	-					
2	GE 2R	0.176	-	-					
3	GE 3R	0.142	-	-					
4	GE 4M	0.090	-	-					
5	MR 1R	0.046	-	-					
6	MR 2F	0.016	-	-					
7	MR 3R	0.073	-	-					
8	MR 4R	0.455	-	-					
9	MR 5R	0.247	-	-					
10	MR 6R	0.065	-	-					
11	MR 7M	0.264	-	-					
12	MR 8R	0.100	0.082	-					
13	MR 9F	0.052	-	-					
14	MR 10R	0.107	-	-					
15	MR 11F	0.049	-	-					
16	MR 12M	0.064	-	-					
17	MR 13M	1.370	-	1.850					
18	MR 14R	0.098	-	-					
19	MR 15R	0.114	-	-					
20	MR 16R	0.478	-	-					
21	MR 17R	0.049	-	-					
22	MR 18M	0.095	0.098	-					
23	MR 19R	0.307	-	-					
24	MR 20R	0.118	-	-					
25	MR 21R	0.029	-	-					

Results in ppm unless otherwise specified
 T = element present but concentration too low to measure
 X = element concentration is below detection limit
 - = element not determined

AUTHORISED OFFICER



ANALYTICAL DATA

SAMPLE PREFIX REPORT No. REPORT DATE CLIENT ORDER No. PAGE

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TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)				
1	MR 22R	0.177	-	-				
2	MR 23R	0.095	-	-				
3	MR 24R	0.017	-	-				
4	MR 25R	0.023	-	0.037				
5	MR 26M	0.293	-	-				
6								
7								
8								
9								
10								
11								
12								
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14								
15								
16								
17								
18								
19								
20								
21								
22								
23	DETECTION	0.008	0.008	0.008				
24	UNITS	ppm	ppm	ppm				
25	METHOD	GG309	GG309	GG309				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
- = element not determined

AUTHORISED OFFICER



Analabs

Inchcape Testing Services

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29 October 1993

Mr Kerry Butler
 Marterra Mining Pty Ltd
 49 Eastlands Drive
 ULVERSTONE TAS 7315

Dear Sir

Following are Screen Fire Assay Gold results on samples as requested.

SAMPLE NO.	Au+200#	AvAu-200#	Au
GE 1R	2.4	0.307	0.31
GE 2R	1.53	0.162	0.16
GE 3R	1.11	0.121	0.12
MR 4R	198	0.198	0.39
MR 5R	495	0.514	1.01
MR 7M	57.6	0.421	0.49
MR 10R	0.33	0.123	0.12
MR 13M	3831	1.299	5.12
MR 15R	2.94	0.108	0.11
MR 16R	0.81	0.310	0.31
MR 19R	2.85	0.237	0.24
MR 20R	1.41	0.099	0.10
MR 22R	0.3	0.127	0.13
MR 26M	16.56	0.197	0.21
Units Method	ug GG315	ug GG315	ppm GG315

Yours faithfully
 ANALABS - A Division of
 Inchcape Testing Services Pty Ltd


 Nigel Ball
 Manager Tasmania

ALLUVIAL TEST PROGRAM - SHARKEY'S GULLY

An alluvial testing program was carried out in Sharkey's Gully located east of the township of Mangana, North East Tasmania. This area was targeted following the results of testwork carried out on E.L. 17/91 in 1993.

Testing was carried using a skid mounted mobile processing plant. The plant consists of a feed hopper feeding a trommel which screens to 12 mm. The oversize material flows through onto a conveyor belt and back into the excavated pit or trench. The undersize material (-12 mm) flows over a set of hydraulic riffles for gold concentration. Tails also flow back into the excavated pit. Water for the plant was initially pumped from Fingal Gully, but once the holding pond was full, water was recirculated.

The area targeted in Sharkey's Gully consisted of the area bounded by historical workings. The area and depth calculations show an inferred resource of 20,000 cubic yards.

Initial testwork was carried out on the bottom end of the gully at a point where the diggings ceased. This point was chosen for the relatively close proximity to Fingal Gully for pumping water to the recirculating pond.

Refer to Table 1 for the schedule of the testing program. The testwork was carried out over 4 days and involved the utilization of the testplant previously described along with a 25 tonne hydraulic excavator and 2 men.

The results obtained were disappointing but were in no way conclusive for a number of reasons:-

- Due to the limited supply of water in the proximity at this time of the year, only a small amount was available for recirculation. This led to extreme water thickening and hence gold recovery suffered.
- The wash layer at this point was very thin, nominally less than 0.3 m in depth with approximately 1.5m of barren wash overburden covering it, therefore some dilution of the wash material invariably occurred.

TABLE 2: RESULTS		Total	
	Yardage	Returns	Grade
Sample No. 1	50	2.78 Grams	0.056 G/Yrd
Sample No. 2	50	6.84 Grams	0.137 G/Yrd
Average Bulk Sample	100	9.62 Grams	0.096 G/Yrd

From the results table it can be seen that this area (i.e. the bottom of Sharkey's Gully) contains a recovered grade of 0.096 G/Yrd as mentioned earlier, this is in no way conclusive and more representative sampling should be done in the middle and upper reaches of Sharkey's Gully workings at a later date.

TABLE 1: SCHEDULE OF ACTIVITIES AND COSTING

DAY 1:	Plant Relocation	Excavator Hire 10 hrs @ \$50/hr	500
	Day Construction	Wages x 2 10 hrs @ \$15/hr	300
DAY 2:	Stripping and topsoil stockpiling	Excavator Hire 10 hrs	500
	Plant set up	Plant Hire 1 hr @ \$120/hr	120
	Pump and pipeline set up	Wages x 2 10 hrs	300
	Bulk sample top wash layer (samples)		
DAY 3:	Stripping and stockpiling of topsoil and eluvial material	Excavator Hire 7 hrs	350
		Plant Hire 1.4 hrs	168
		Wages x 2 10 hrs	300
	Treatment of Bottom 30 cm Bulk sample (sample 2)		
DAY 4:	Plant removal	Excavator hire 7 hrs	350
	Site and dam rehabilitation	Wages x 2 8 hrs	240
		TOTAL:	3128

ALLUVIAL

2 bulk samples were processed in Sharkey's Gully the results are as follows:-

Expenditure on E.L. 18/91 for 1993/94 year.

Alluvial Bulk Sample	\$3,128.00
Hard rock chip samples 2 days 2 men	\$ 500.00
Analysis	\$1,010.00
Research	\$ 250.00
Report preparation and miscellaneous	\$ <u>250.00</u>
TOTAL:	\$5,146.00