

OPEN FILE

TASMINEX N.L.

DKSQ

80-1428

094001

EXPLORATION LICENCE 17/78

REPORT FOR THE SIX MONTH PERIOD ENDING 30th APRIL 1980

During the last six months it was decided to concentrate most effort on the search for alluvial gold and the possibility of winning gold from the Golden Gate tailings at Mathinna. Potential programmes involving diamond drilling of the Golden Gate lodes, and stream sediment sampling over the central part of the licence area were deferred until completion of these programmes.

Alluvial Gold

The alluvial target is, say, 0.5 million cu. metres of gravel averaging 0.5 grams per cu. meter (0.33 dwt. per cu. yard).

Geophoto Resources Consultants had indicated the possibility of this yardage being available in Black Horse Gully at Mathinna but the values tended to be erratic and in any case required confirmation. Other possible areas included Long Gully and Dans Rivulet at Mathinna and Richardsons Creek at Mangana.

The exploration technique used by Tasminex currently involves digging holes by backhoe, sampling the walls, and then panning of samples that vary from 8 to 14 kg (wet) to produce a concentrate of 70 to 300 g (dry) ~~for AAS~~ ~~analysis by AMDEL~~. Local property owners have been very cooperative on the condition that the holes are filled in satisfactorily and re-turfed.

The planned programme of digging is as follows (Figures 1 and 2):

AMG REFERENCE POINTS ADDED

Long Gully: 7 lines, 250 m apart, with a total of 73 holes

Black horse Gully: 2 lines, 900 m apart, with a total of
48 holes

Dans Rivulet: 1 line with about 10 holes

Richardsons Creek: 3 lines, 250 m apart, with a total of
44 holes.

To date (April 18th) a total of 132 holes have been dug (some in each of the areas) and the available logs are given in Appendix A. A total of 220 samples have been sent to Amdel, but at April 23rd no results had been received.

Gold in Tailings

Tasminex N.L. has acquired rights to virtually all the tailings at Mathinna. An estimated 433,600 tons is available at about 1 dwt/ton Au according to Hughes (1948). A smaller tonnage at similar grade was calculated after survey and sampling by G. Wolff for Tasminex N.L. The assay laboratories of the Department of Mines have had difficulty in achieving viable recoveries (averaging about 30%) but negotiations are under way to have a bulk sample tested under the "carbon pulp" process in Victoria. If this test proves encouraging the tailings will be further surveyed and sampled, and tested for homogeneity.

Personnel

Geologist Dr. M. Ahmad left the project in mid-April and his place has been taken by Mr. A.B. Daly, a New Zealand geologist. Mr. Daly works full time on the licence area, under the direction of Mr. E.N. Charlton of Tasminex N.L. and with the assistance of consultant Dr. M. Solomon. Two full-time field assistants are currently employed on the project.

STATUTORY DECLARATION

I, Ernest N. Charlton of P.O. Box 895, Burnie 7320

do solemnly and sincerely declare that

1) I am employed by Tasminex N.L.
which is the holder of Exploration Licence 17/78

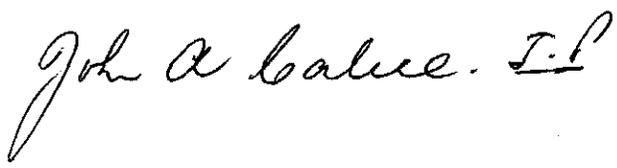
2)
is the sole operator with respect to EL 17/78 and is
responsible for the filing of all returns with the
Mines Department, Tasmania.

3) Attached hereto and marked with the letter "A"
is a statement of expenditure for the ~~month of~~ six months ending
30th April 1980
incurred during exploration on the licence, which I certify
to be true and correct to the best of my knowledge.

And I make this solemn declaration by virtue of section 132
of the Evidence Act, 1910.


.....

Declared at Burnie this Twenty-fourth
day of April 1980 before me



Note: Any person who wilfully makes a false statement in a
Statutory Declaration is guilty of an indictable offence.

ATTACHMENT "A"Expenditure during Six Months ending 30th April 1980Exploration Licence 17/78

Rental, Services etc.	\$2,798.47
Wages, Salaries & Fees	\$13,647.83
Accomodation	\$1,391.18
Transportation	\$4,340.83
	<hr/>
Total	\$22,178.31

Note: The amounts stated for Services, Accomodation and Transportation are complete only to 10th April, and the amount for Wages & Salaries is complete to 23rd April.

Proposed Programme for the Period May 1st to Oct. 30th 1980

The current backhoe digging programme will be continued during May, bringing the total number of holes from 132 (April 18th) to about 190. Digging will take place at Mangana and Dans Rivulet, and on the property at Mathinna owned by the Evercreech Pastoral Company. Some of the holes in this area and also at Mangana will fail to reach the bottom of the gravels at the limit of the present backhoe (about 4 m) and a larger machine may be required.

The next phase of the digging is dependent on assays which are being returned from AMDEL at a disappointingly slow rate. Any encouraging areas will be tested by further digging.

The tailings investigation will proceed as indicated and if preliminary tests are as encouraging as anticipated, several weeks will be spent on surveying, sampling and further testing of material in Victoria.

During the next six months it is hoped to commence a detailed assessment of the potential of the New Golden Gate Mine. This phase will involve attempts to reconstruct the geometry of the workings and lodes and an assessment of future potential. If the geological report is promising a diamond drilling programme will be undertaken.

It is anticipated that at least \$30,000 will be spent during the next six months on backhoe digging, sampling, assaying and other geological costs. Any diamond drilling costs which might be incurred during this period will be additional to this figure.



E.N. Charlton M(Aus)IMM
Director
Tasminex N.L.

APPENDIX ATasminex N.L. E.L.17/78 - Backhoe Hole Logs and
Sample Locations.LINE TA

TA-1 Depth 2 m, no water.

0-0.3 dark gray humic soil
 0.3-0.6 yellow & gray silty clay with minor gravel
 0.6-0.8 dark gray humic soil
 0.8-1.1 yellow & gray silty clay with minor gravel
 1.1-2.0 decomposed bed rock (slate)

Sample locations: TA-1-1 0.25-0.65 m
 TA-1-2 0.65-1.10 m

TA-2 Depth 2.3 m, no water.

0-0.5 dark gray humic soil
 0.5-2.0 yellow & gray silty clay
 2.0-2.3 decomposed bed rock (slate)

Sample locations: TA-2-1 1.0-1.5 m
 TA-2-2 1.5-2.0 m

TA-3 Depth 1.7 m, water table at 1.6 m

0.0-0.6 yellow & gray silty clay
 0.6-1.6 as above with minor gravel
 1.6-1.7 decomposed bed rock (slate)

Sample locations: TA-3-1 0.6-1.10 m
 TA-3-2 1.10-1.60 m

TA-4 Depth 1.4 m, no water.

0.0-0.1 dark grey humic soil
 0.1-0.7 yellow & gray silty clay
 0.7-1.3 as above with minor gravel
 1.3-1.4 decomposed bed rock (slate)

Sample location: TA-4-1 0.7-1.3 m

TA-5 Depth 1.6 m, water table at 1.4 m

0.0-0.2 dark gray humic soil
 0.2-0.6 yellow & gray clay
 0.6-1.1 as above with minor gravel
 1.1-1.6 decomposed bed rock (slate)

Sample location: TA-5.1 0.6-1.1 m

TA-6 Depth 1.7 m, water table at 1.2 m

0.0-0.2 dark gray humic soil
 0.2-1.2 yellow & gray clay
 1.2-1.7 as above with minor gravel
 1.7 decomposed bed rock (slate)

Sample location: TA-6-1 1.2-1.7 m

- 006.
- TA-7 Depth 1.5 m, water table at 1 m
 0.3-0.5 dark gray humic soil
 0.5-1.5 yellow & gray silty clay
 1.5 decomposed bed rock?
 Sample location: TA-7-1 1.0-1.5 m
- TA-8 Depth 1.7 m, water table at 1.2 m
 0.0-0.4 dark gray humic soil
 0.4-1.2 yellow & gray silty clay
 1.2-1.7 gravel in yellow gray clay
 1.7 decomposed bed rock (slate)
 Sample locations: TA-8-1 0.7-1.2 m
 TA-8-2 1.2-1.7 m
- TA-9 Depth 1.7 m, water table at 1 m
 0.0-0.3 dark gray humic soil
 0.3-0.7 yellow & gray silty clay
 0.7-1.7 gravel in yellow gray sandy clay
 1.7 decomposed bed rock (slate)
 Sample locations: TA-9-1 0.7-1.2 m
 TA-9-2 1.2-1.7 m
- TA-10 Depth 2.1 m, water table at 2.0 m
 0:0-0.3 dark gray humic soil
 0.3-0.7 yellow gray clay
 0.7-1.2 iron-coated gravel in yellow gray clay
 1.2-1.7 yellow gray silty clay
 1.7-2.0 gravel in yellow gray silty clay
 2.0-2.1 decomposed bed rock (slate)
- TA-11 Depth 2.8 m, water table at 2.2 m
 0.0-0.5 dark gray humic soil
 0.5-0.9 yellow gray silty clay
 0.9-2.6 gravel in yellow gray clay
 2.6-2.8 decomposed bed rock
 Sample locations: TA-11-1 0.9-1.7 m
 TA-11-2 1.7-2.2 m
 TA-11-3 2.2-2.7 m
- TA-12 Depth 3.1 m, water at 2 m
 0.0-0.2 dark gray humic soil
 0.2-1.4 yellow gray clay
 1.4-2.9 gravel in yellow gray silty clay
 2.9-3.1 decomposed bed rock (slate)
 Sample locations: TA-12-1 0.9-1.4 m
 TA-12-2 1.4-1.9 m
 TA-12-3 1.9-2.4 m
 TA-12-4 2.4-2.9 m

TA-13 Depth 3.0 m, water table at 1.8 m

0.0-0.5 dark gray humic soil
 0.5-1.2 yellow & gray silty clay
 1.2-2.9 gravel in yellow & gray silty clay
 2.9-3.0 decomposed bed rock (slate)

Sample locations: TA-13-1 1.0-1.5 m
 TA-13-2 1.5-2.0 m
 TA-13-3 2.0-2.5 m
 TA-13-4 2.5-3.0 m

TA-14 Depth 3.5 m, water table at 2.5 m

0.0-0.2 dark gray humic soil
 0.2-0.8 yellow & gray silty clay with minor gravel
 0.8-3.4 gravel in yellow & gray silty clay
 3.4-3.5 decomposed bed rock (slate)

Sample locations: TA-14-1 1.0-1.8 m
 TA-14-2 1.8-2.4 m
 TA-14-3 2.4-2.9 m
 TA-14-4 2.9-3.4 m

TA-15 Depth 3.7 m, water table at 2.5 m

0.0-0.3 dark gray humic soil
 0.3-1.7 yellow & gray silty clay
 1.7-2.2 yellow & gray silty clay with minor gravel
 2.2-3.7 gravel in yellow & gray silty clay
 3.7 decomposed bed rock?

Sample locations: TA-15-1 1.7-2.2 m
 TA-15-2 2.2-2.7 m
 TA-15-3 2.7-3.2 m
 TA-15-4 3.2-3.7 m

TA-16 Depth 2.8 m, water table at 2.0 m

0.0-0.4 dark gray humic soil
 0.4-1.0 yellow & gray silty clay
 1.0-1.5 yellow & gray silty clay with minor gravel
 1.5-2.5 gravel with yellow & gray silty clay
 2.5-2.8 decomposed bed rock (slate)

Sample locations: TA-16-1 1.0-1.5 m
 TA-16-2 1.5-2.0 m
 TA-16-3 2.0-2.5 m

TA-17 Depth 2.7 m, water table at 2.0 m

0.0-0.2 dark gray humic soil
 0.2-1.3 yellow & gray silty clay
 1.3-2.6 yellow & gray silty clay with minor gravel
 2.6-2.8 decomposed bed rock (slate)

Sample locations: TA-17-1 1.0-1.6 m
 TA-17-2 1.6-2.1 m
 TA-17-3 2.1-2.6 m

- 008
- TA-18 Depth 2.2 m, water table at 1.6 m
 0.0-0.2 dark gray humic soil
 0.2-0.6 yellow & gray silty clay
 0.6-2.2 gravel in yellow and gray silty clay
 2.2 decomposed bed rock (slate)
 Sample locations: TA-18-1 0.6-1.2 m
 TA-18-2 1.2-2.2 m
- TA-19 Depth 2.0 m, water table at 1.6 m
 0.0-0.9 dark gray humic soil
 0.9-1.0 yellow and gray silty clay with minor gravel
 1.0-2.0 gravel in yellow and gray silty clay
 2.0 decomposed bed rock (slate)
 Sample location: TA-19-1 1.0-2.0 m
- TA-20 Depth 2.4 m, water table at 2.3 m
 0.0-0.2 dark gray humic soil
 0.2-0.6 light gray clay
 0.6-1.0 yellow and gray silty clay
 1.0-2.2 yellow and gray silty clay with minor gravel
 2.2-2.4 decomposed bed rock (slate)
 Sample locations: TA-20-1 0.6-1.0 m
 TA-20-2 1.0-1.8 m
 TA-20-3 1.8-2.9 m
- TA-21 Depth 1.9 m, no water
 0.0-0.3 dark gray humic soil
 0.3-0.7 gravel with gray silty clay
 0.7-1.8 yellow and gray silty clay
 1.8- decomposed bed rock (slate)
 Sample locations: TA-21-1 0.3-0.7 m
 TA-21-2 1.2-1.8 m
- TA-22 Depth 1.7 m, water table at 1.6 m
 0.0-0.4 dark gray humic soil
 0.4-0.8 yellow and gray silty clay
 0.8-1.5 gravel in yellow and gray silty clay
 1.5-1.7 decomposed bed rock (slate)
 Sample location: TA-22-1 0.8-1.5 m
- TA-23 Depth 1.9 m, water table at 1.7 m
 0.0-0.3 dark gray humic soil
 0.3-0.8 yellow and gray silty clay
 0.8-1.3 gravel in yellow and gray silty clay
 1.3-1.9 decomposed bed rock (slate)
 Sample locations: TA-23-1 0.7-1.4 m
 TA-23-2 1.4-1.9 m

- 011
- TB-12 Depth 2.4 m, water table at 2 m
- 0.0-0.3 dark gray humic soil
- 0.3-0.6 yellow and gray silty clay
- 0.6-1.8 gravel in yellow and gray silty clay
- 1.8-2.0 yellow and gray silty clay with minor gravel
- 2.0-2.4 gravel in yellow and gray silty clay
- 2.4- decomposed bed rock (slate)
- Sample locations: TB-12-1 0.6-1.2 m
- TB-12-2 1.2-1.8 m
- TB-12-3 1.8-2.3 m
- TB-13 Depth 2.5 m, water table at 2.1 m
- 0.0-0.4 dark gray humic soil
- 0.4-2.1 gravel in yellow and gray silty clay
- 2.1-2.5 decomposed bed rock (slate)
- Sample locations: TB-13-1 1.0-1.7 m
- TB-13-2 1.7-2.2 m
- TB-14 Depth 1.6 m, water table at 1.5 m
- 0.0-0.5 dark gray humic soil
- 0.5-0.9 yellow and gray silty clay
- 0.9-1.8 yellow and gray silty clay with gravel
- 1.8- decomposed bed rock (slate)
- Sample location: TB-14-1 0.9-1.6 m
- TB-15 Depth 1.6 m, no water
- 0.0-0.2 dark gray humic soil
- 0.2-1.2 yellow and gray silty clay with minor gravel
- 1.2-1.6 decomposed bed rock (slate)
- Sample location: TB-15-1 0.7-1.2 m
- TB-16 Depth 1.6 m, no water
- 0.0-0.2 dark gray humic soil
- 0.2-0.9 yellow and gray silty clay
- 0.9-1.4 yellow and gray silty clay with minor gravel
- 1.4-1.6 decomposed bed rock (slate)
- Sample location: TB-16-1 0.9-1.4 m
- TB-17 Depth 1.7 m, no water
- 0.0-0.1 dark gray humic soil
- 0.1-1.3 yellow and gray silty clay
- 1.3-1.7 decomposed bed rock (slate)
- No sample required
- TB-18 Depth 1.6 m, no water
- 0.0-0.1 dark gray humic soil
- 0.1-1.0 yellow and gray silty clay
- 1.0-1.6 decomposed bed rock (slate)
- No sample required

012

TB-19 Depth 1.7 m, no water
 0.0-0.1 dark gray humic soil
 0.1-0.5 tailing sand and silt
 0.5-0.9 gray humic soil
 0.9-1.7 decomposed bed rock (slate)
 No sample required

TB-20 Depth 1.7 m, no water
 0.0-0.1 dark gray humic soil
 0.1-0.8 yellow and gray silty clay
 0.8-1.7 decomposed bed rock (slate)
 No sample required. 5 cm thick v.g. trending E-W and dipping steeply
 due S is exposed in the hole. Rare free gold was observed in this
 vein.

TB-21 Depth 1.7 m, no water
 0.0-0.1 dark gray humic soil
 0.1-0.9 yellow and gray silty clay
 0.9-1.7 decomposed bed rock (slate)
 No sample required

TB-22 Depth 1.3 m, no water
 0.0-0.1 dark gray humic soil
 0.1-0.9 yellow and gray silty clay
 0.9-1.3 decomposed bed rock (slate)
 No sample required

LINE TC

TC-1 Depth 1.5 m, no water
 0.0-0.4 dark gray humic soil
 0.4-1.4 yellow and gray silty clay
 1.4-1.5 decomposed bed rock (slate)
 No sample required

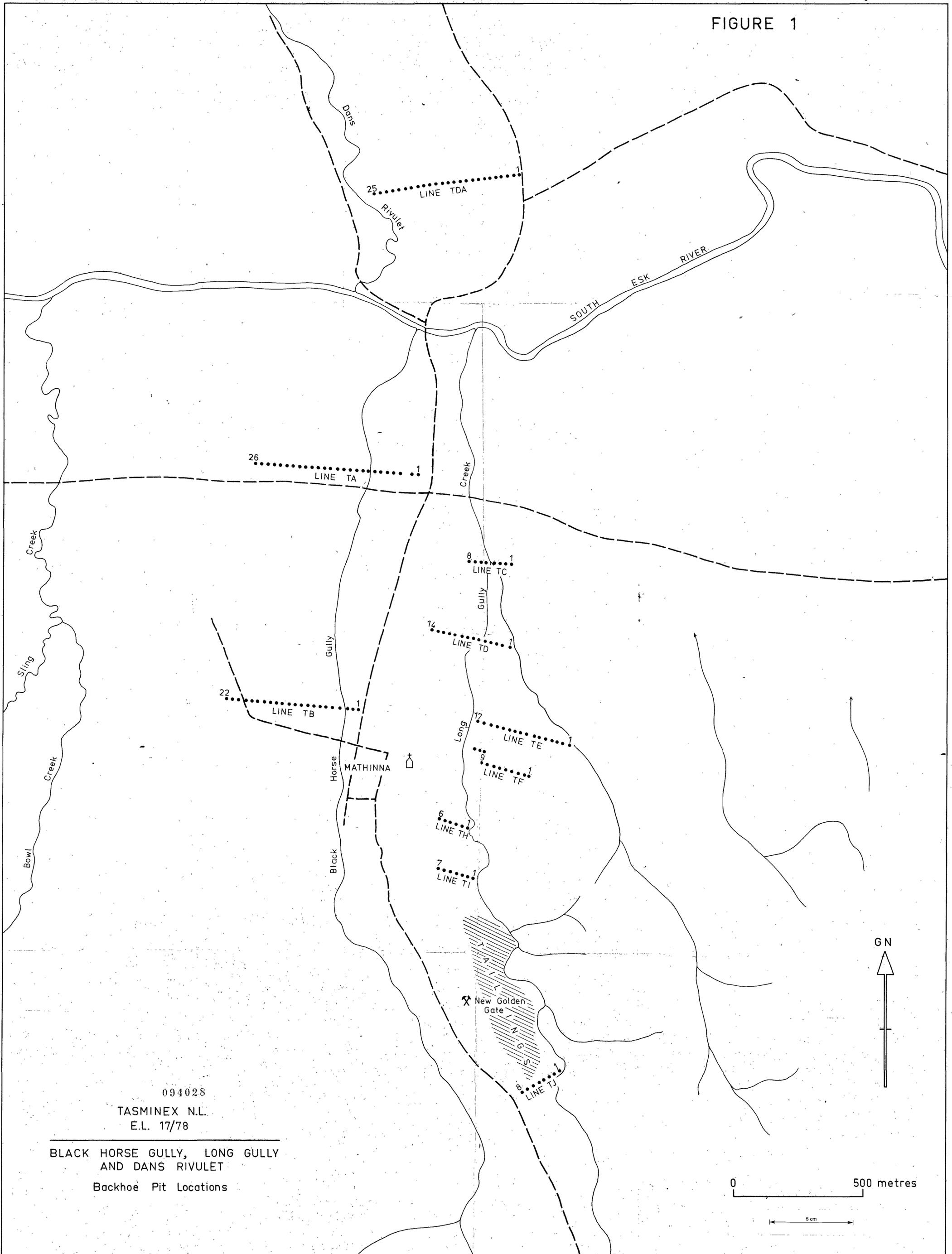
TC-2 Depth 2.6 m, no water
 0.0-0.6 dark gray humic soil
 0.6-1.6 yellow and gray silty clay
 1.6-2.6 gravel in yellow and gray silty sandy clay
 2.6- decomposed bed rock (slate)
 Sample locations: TC-2-1 1.6-2.1 m
 TC-2-2 2.1-2.6 m

TC-3 Depth 2.5 m, water table at 2.3 m
 0.0-0.3 dark gray humic soil
 0.3-0.6 tailing sand?
 0.6-2.5 gravel in dark gray sandy soil
 2.5- decomposed bed rock (Slate)
 Sample locations: TC-3-1 1.0-1.5 m
 TC-3-2 1.5-2.0 m
 TC-3-3 2.0-2.5 m

LINE TD

- TD-1 Depth 2 m, no water
 0.0-0.6 dark gray humic soil
 0.6-1.8 yellow and gray silty clay
 1.8-2.0 yellow and gray clay with angular 2.5 cm dia. pebbles
 of slate
 2.0- relatively fresh bed rock (slate)
 No sample required
- TD-2 Depth 2.6 m, no water
 0.0-0.5 dark gray humic soil
 0.5-1.6 yellow and gray silty clay
 1.6-2.6 gravel, 2.5 cm dia.s, subangular, in yellow and
 gray clay
 2.6- decomposed bed rock (slate)
 Sample location: TD-2-1 1.6-2.6 m
- TD-3 Depth 3.1 m, water table at 3 m
 0.0-0.5 dark gray humic soil
 0.5-1.3 yellow and gray silty clay
 1.3-3.1 gravel, 2-5 cm dia., subangular, in yellow and gray
 silty clay
 3-1- decomposed bed rock (slate)
 Sample locations: TD-3-1 1.6-2.1 m
 TD-3-2 2.1-2.6 m
 TD-3-3 2.6-3.1 m
- TD-4 Depth 2.7 m, water table at 2.6 m
 0.0-0.5 dark gray humic soil
 0.5-1.2 yellow and gray silty clay
 1.2-2.7 gravel, 5-10 cm dia., subrounded, in gray silty clay
 2.7 decomposed bed rock (slate)
 Sample locations: TD-4-1 1.2-1.7 m
 TD-4-2 1.7-2.2 m
 TD-4-3 2.2-2.7 m
- TD-5 Depth 2.3 m, water table at 2.1 m
 0.0-0.5 dark gray humic soil
 0.5-1.3 yellow and gray silty clay
 1.3-2.3 gravel, 5-10 cm dia., subrounded, in gray silty clay
 2.3 decomposed bed rock (slate)
 Sample locations: TD-5-1 1.3-1.8 m
 TD-5-2 1.8-2.3 m
- TD-6 Depth 1.8 m, no water
 0.0-0.2 dark gray humic soil
 0.2-1.8 yellow and gray silty clay
 1.8- decomposed bed rock (slate)
 No sample taken.

FIGURE 1



094028
 TASMINEX N.L.
 E.L. 17/78

BLACK HORSE GULLY, LONG GULLY
 AND DANS RIVULET
 Backhoe Pit Locations

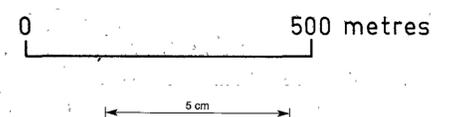


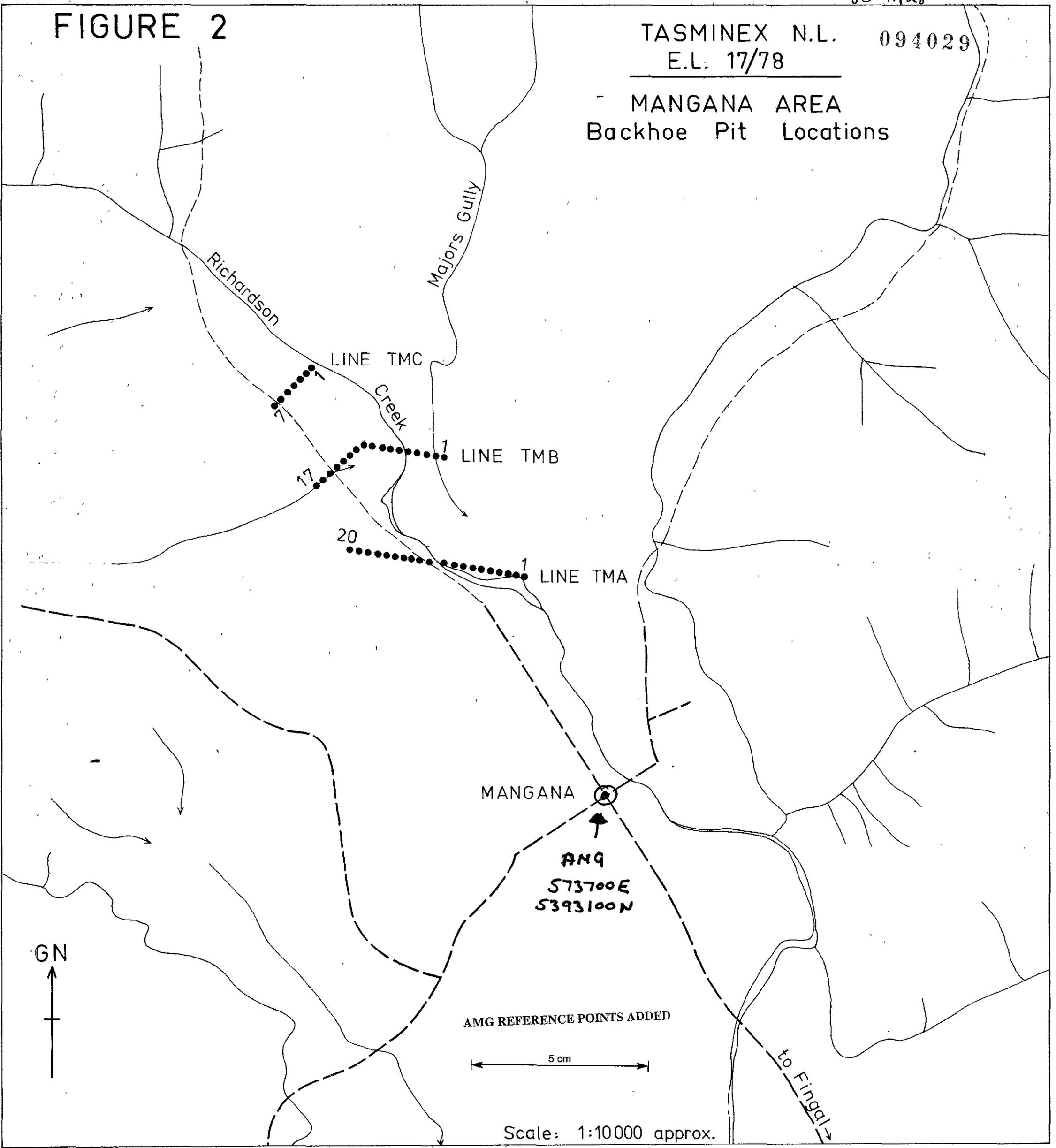
FIGURE 2

TASMINEX N.L.

094029

E.L. 17/78

MANGANA AREA Backhoe Pit Locations



MANGANA

AMG
573700E
5393100N

AMG REFERENCE POINTS ADDED

5 cm

Scale: 1:10000 approx.

to Fingal

GN