000

consolidated lease

65M/63

185001

67-454

E.L. 4/63

R. HARE & ASSOCIATES

S. C. T. N. L. DORSET TIN DIVISION

PRELIMINARY NOTES
ON
POSSIBLE ADDITIONAL ALLUVIAL AREAS

South Mt. Cameron, Tasmania

by

J. L. Morton

30th March, 1967

MICROFILMED

Accompanying Report:

1	Bore plan	Scale: 1" = 20 ch.
2	Topographic Plan	1" = 20 ch.
3	Bedrock Contour Plan	1" = 20 ch.

Copy No. 8

S. C. T. N. L. - DORSET TIN DIVISION

PRELIMINARY NOTES ON POSSIBLE ADDITIONAL ALLUVIAL AREA

1. Reference: Please lay Bore Plan over Topographic Plan.
Refer to small grid.

Boring in the bed of the Ringarooma has failed to locate values northeasterly of about 8, 000E.

2. Scout boring approximately along line 16, 000N in vicinity of 5, 000E has disclosed encouraging values. Considerable boring north of this line (16, 000N) has disclosed interesting values, but of too great a depth to be worked by the present dredge, excepting some of the holes in the vicinity 19, 000N; 10, 000E.

An untested area of potential ground lies between approximately 7, 000E to 12, 000E and 15, 000N to 19, 000N with encouraging values on three sides. This area contains a potential of 2, 000, 000 cubic yards, assuming wash to be 3' thick. At present the Mines Department is carrying out a boring programme in this area and should be influenced to scout bore as per the holes designated on the Bore plan prefixed M(for Mines Department) around and south from 16, 000N; 5, 000E and 19, 000N; 10, 000E.

3. If the area described above contains enough tin bearing gravel to warrant moving in the dredge, it may be possible to take a course through potential ground between 8, 000E to 9, 000E and 10, 000N to 15, 000N. The possible dredge course is shown on the topographic plan tentatively shown following the 75' Bedrock Contour. (Please lay topographic plan over Bedrock Contour Plan). This potential area is assumed from encouraging values between 8, 000E to 9, 000E and 12800N to 14, 700N (Holes Nos. 13, 21, 22, 25, 27).

Holes A to M should be bored to resolve this, and the additional possibility of outlining alluvials which could be economically worked even if the northern area does not develop satisfactorily. This work should progress concurrently with the Mines Department drilling.

4. Deeper alluvials occur north of Line 19, 000N on an area known as Fosters Marsh. These have been fairly extensively bored out along the old channel of the Ringarooma River. However, there is a possibility that the river took a different course in the early stage of its history, diverging from the present course at about 10, 000N; 12, 000E. This is indicated by a gully which shows up on the Bedrock Contour Plan extending north, then north easterly through 19, 000N; 13, 000E. If this was the original course of the river further deep alluvials may be present along its course. This potential area may be of future interest, and if possible it would be advantageous to influence the Mines Department to carry out some scout boring northerly from 19, 000N; 13, 000E if the channel is confirmed by the current Mines Department work. Holes MW, MX, MY and MZ should be bored initially and further boring planned if this proved encouraging.

J. L. Morton

965N
960N
955N
575 E
580 E
585 E
22000 N
21,000 N
20,000 N
19000 N
18000 N
MW
MX
MX
MZ
MM
MN
MO
MP
MO
MR
THE CHIMNEX
AV. ·25 OVER 600 WIDTH OF BORE LINE
FOR FURTHER DETAILS SEE RTAE PLAN Nº T416
N

20 0 20 40
SCALE OF CHAINS

5 cm

LEGEND:

+ 6" HOLE
⊕ 16" HOLE
HOLE Nº.
LOCATION OF HOLE
DEPTH + VALUE (Lbs SnO2./Cu Yd)
R.L. COLLAR

) ·09 % SnO_2	● GREEN
·1 % SnO_2 — ·19 % SnO_2	● YELLOW
·20 % SnO_2 — ·49 % SnO_2	● BLUE
·50 % SnO_2 — ·69 % SnO_2	● BROWN
·70 % SnO_2 AND OVER	● RED

REDUCED LEVELS = El. ABOVE SEA LEVEL TAKEN FROM LANDS DEPT. TOPOGRAPHIC PLAN
BORE HOLES IN VICINITY CORRECTED FOR R.L. TO SEA LEVEL BY ASSUMING HOLE Nº. 38 = 35' ABOVE SEA LEVEL
R.L. HOLE Nº. 38 = 89'
CORRECTION = $\overline{-54'}$ (SUBTRACT FROM BORE R.L. TO GET El ABOVE SEA LEVEL)

S.C.T.N.L - DORSET TIN DIVISION
BORE PLAN
RINGAROOMA RIVER - GREAT NORTHERN PLAINS
NORTH OF Mt. CAMERON TAS.

SURVEY — — / /
GEOLOGY — — / /
ENGINEERING — — / /
DRAWN — — / /
TRACED — — / /
REFERENCE —
PRINT Nº.
DRAWING Nº. — DD-053-G

DRAWER: 185003 002

575 E
580 E
585 E
965 N
960 N
955 N
N

20 0 20 40

SCALE OF CHAINS

5 cm

S.C.T.N.L - DORSET TIN DIVISION

TOPOGRAPHIC - ROADS, RIVERS & CONTOURS

RINGAROOMA RIVER - GREAT NORTHERN PLAINS
NORTH OF Mt. CAMERON TAS.

SURVEY – – / /
GEOLOGY – – / /
ENGINEERING – – / /
DRAWN – – / /
TRACED – – / /

REFERENCE –
PRINT N°. –

DRAWING N°.– DD-051-G

2

DRAWER: 185C04 003

575 E
580 E
585 E
965 N
960 N
955 N
N
NOT BEDROCK
ORIGINAL ? COURSE OF RIVER
POSSIBLE
0
-25
-50
25
50
75
100
11,000N
10,000N
9000N
8000N
7000N

20 0 20 40
SCALE OF CHAINS

5 cm

LEGEND:
- ● NIL
- ·01 — ·15 Lbs SnO_2 / Cu Yd
- ·15 — ·21 Lbs SnO_2 / Cu Yd
- OVER ·21 Lbs SnO_2 / Cu Yd
- 91 E I BEDROCK ABOVE SEA LEVEL

S.C.T.N.L - DORSET TIN DIVISION
BEDROCK CONTOUR PLAN
RINGAROOMA RIVER - GREAT NORTHERN PLAINS
NORTH OF Mt. CAMERON TAS.

SURVEY — — / /
GEOLOGY — — / /
ENGINEERING — — / /
DRAWN — — / /
TRACED — — / /
REFERENCE —
PRINT N°
DRAWING N°. — DD - 054 - 4

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DRAWER: 185005 004