

CLEVELAND AREA

SUMMARY OF EXPLORATION ACTIVITIES IN E.L. 1/63
BETWEEN 11 TH AUGUST 1972 AND 11 TH FEBRUARY 1973

73-932

AMG REFERENCE POINTS ADDED

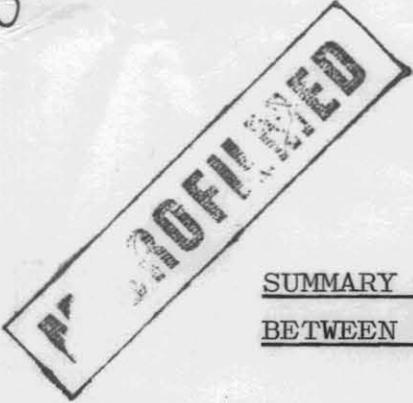
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CLEVELAND AREA

699002

DRAFT



SUMMARY OF EXPLORATION ACTIVITIES IN EL 1/63
BETWEEN 11th AUGUST 1972 and 11th FEBRUARY, 1973

The current field exploration programme in EL 1/63 was intended to provide the following data:

1. a regional geological map of the EL.
2. a detailed geological map of the lode sequence extensions to the north and south of the Cleveland Mine.
3. a detailed cover of the mine sequence by SP, magnetics, and geochemistry.

This programme logically extends away from the Cleveland mine and part of the exploration activity has occurred within the mine lease area. These data are included in the maps enclosed.

At the date of expiry of the EL the mapping and geochemical sampling programmes had been completed and the SP was continuing. No geochemical analyses have been carried out and an initial appraisal of the SP data has not revealed any large anomalies.

The results of the programme to expiry date are presented in the maps accompanying this report as follows:

Map 1 Regional geology of EL 1/63 50,000 scale.

Map 2 (in three parts)

Fact geology of the strike extensions of Cleveland mine within EL 1/63. Also showing the areas gridded and covered by geochemistry and geophysics, 1:5,000 scale.

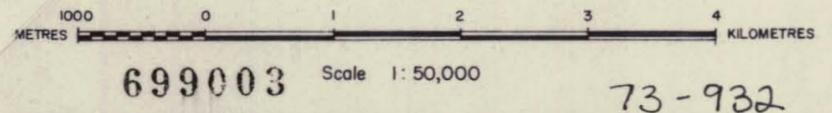
Map 3 (in eight parts)

Fact geology of the Cleveland mine area and lode extensions at 1:1,000 scale.



LEGEND

- TERTIARY
 - Tb Basalt
- DEVONIAN
 - g Granite
- PRECAMBRIAN / CAMBRIAN
 - ba Black argillite
 - um Ultramafic rocks
 - shb/ch Brown arenites, argillites and cherts
 - ss/vt Micaceous sandstone, volcanic arenite
 - vb Basic volcanics, tuffs, lavas of spilitic composition
 - shg/ch Grey shales and chert (Hall's Formation)
 - ss Micaceous sandstone and chert layers
- Road and track
- Creek
- Tramway
- Mine
- E.L. Boundary
- M.L. Boundary
- Geological boundary
- Fault
- Dip and strike of bedding

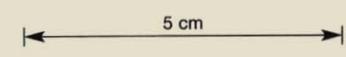


AMG362500 E,
5404000 N

AMG370365 E,
5408093 N

E.L. 1/63

AMG REFERENCE POINTS ADDED



CLEVELAND TIN N.L.

DRAWN BY: DMR, PO	TRACED BY: RKY

REGIONAL GEOLOGY
E.L. 1/63
TASMANIA

3094

prepared by COMINCO EXPLORATION PTY LTD

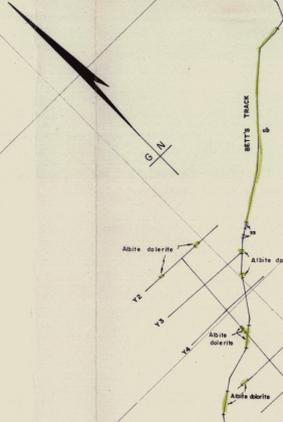
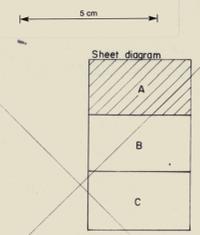
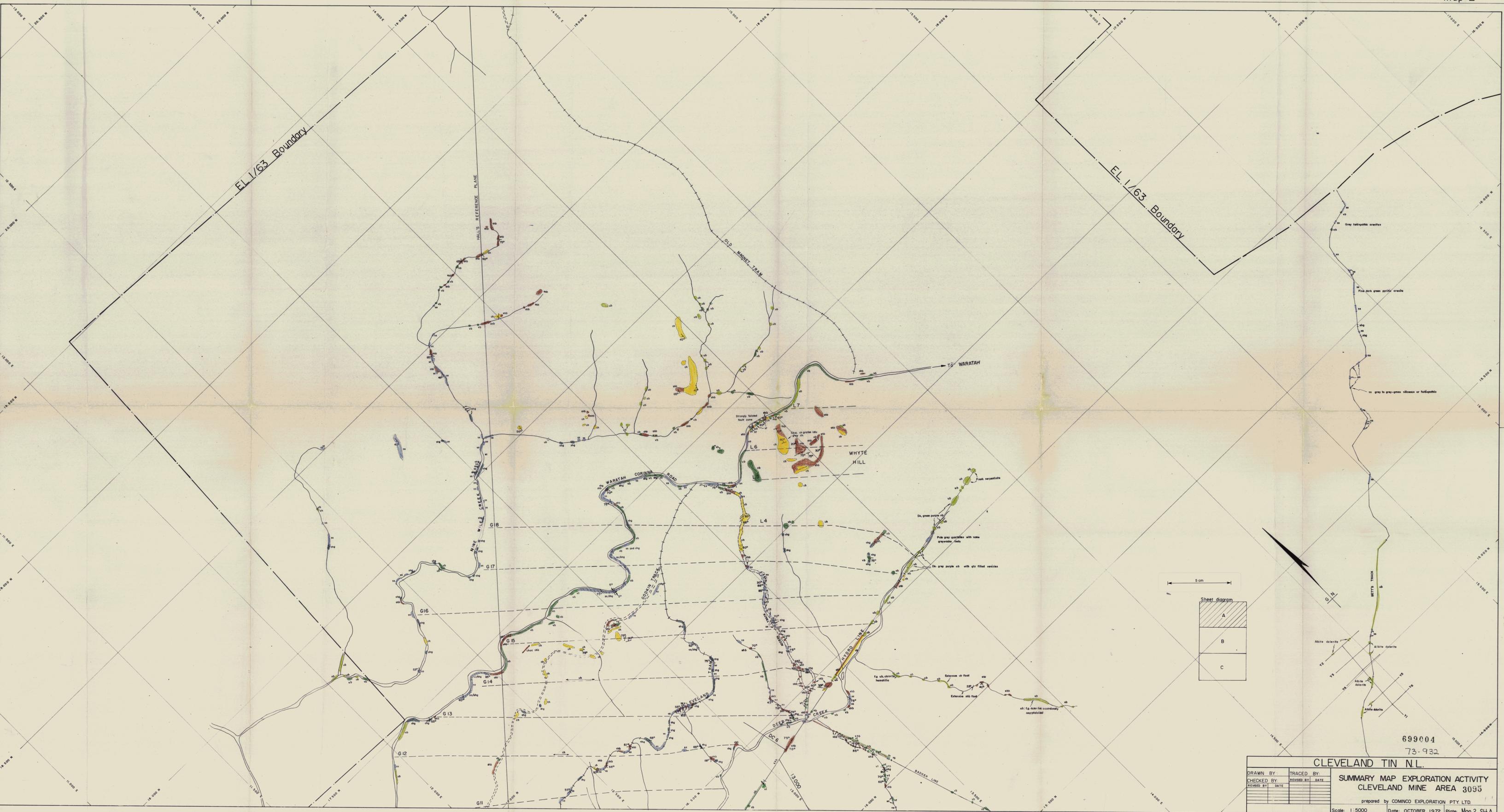
Scale: 1: 50,000

Date: FEBRUARY 1973

Map I

EL 1/63 Boundary

EL 1/63 Boundary



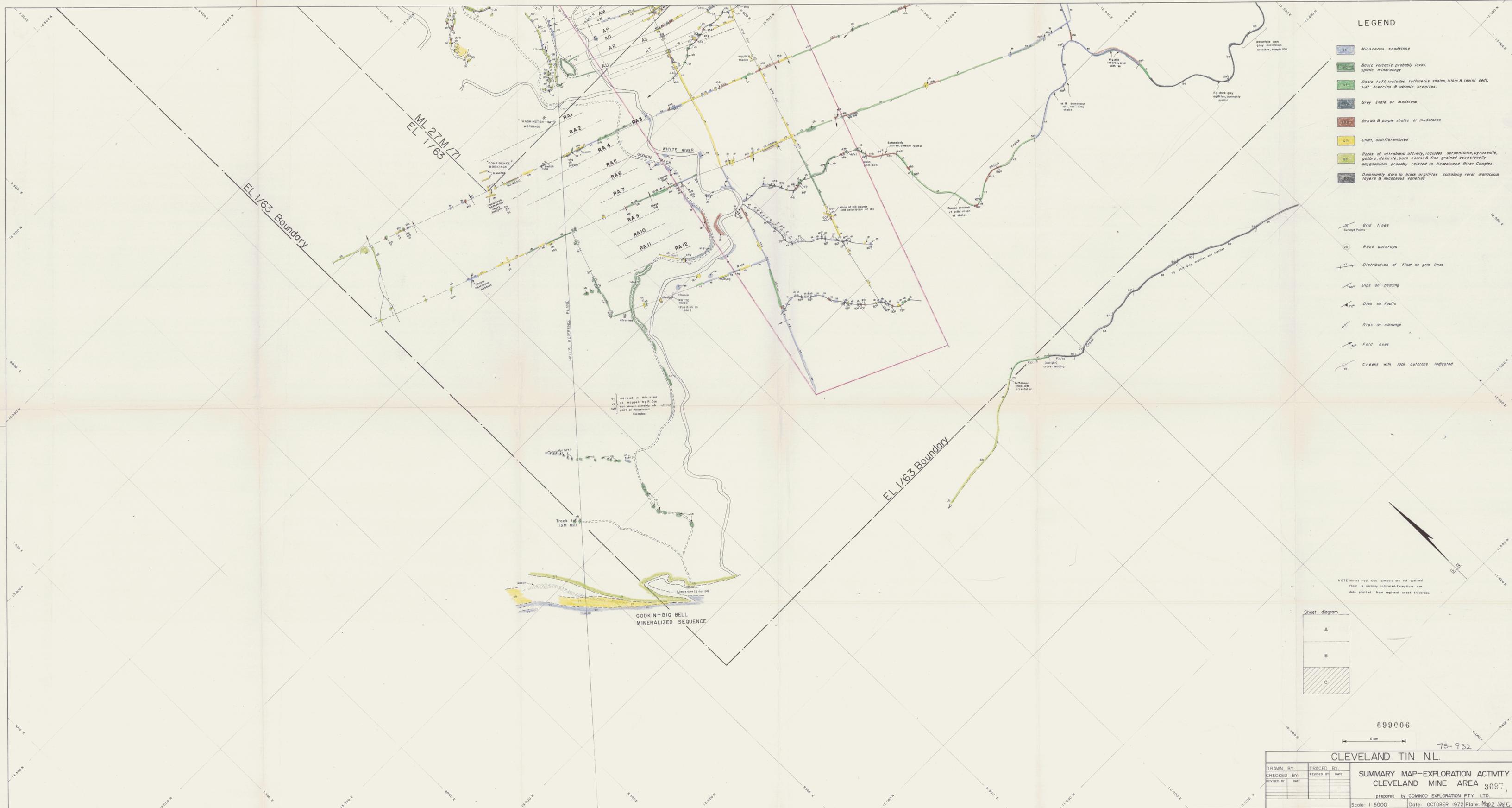
699004
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CLEVELAND TIN N.L.

SUMMARY MAP EXPLORATION ACTIVITY
CLEVELAND MINE AREA 3095

prepared by COMINCO EXPLORATION PTY. LTD.

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CHECKED BY:	REVISED BY:
REVISION DATE:	DATE:

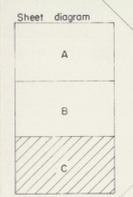


LEGEND

- Micaceous sandstone
- Basic volcanic, probably lavas, spaltic mineralogy
- Basic tuff, includes tuffaceous shales, lithic & lapilli beds, tuff breccias & volcanic arenites
- Grey shale or mudstone
- Brown & purple shales or mudstones
- Chert, undifferentiated
- Rocks of ultrabasic affinity, includes serpentinite, pyroxenite, gabbro, dolerite, both coarse & fine grained occasionally amygdaloidal probably related to Hazelwood River Complex.
- Dominantly dark to black argillites containing rarer arenaceous layers & micaceous varieties

- Grid lines
- Survey Point
- Rock outcrops
- Distribution of float on grid lines
- Dips on bedding
- Dips on faults
- Dips on cleavage
- Fold axes
- Creeks with rock outcrops indicated

NOTE: Where rock type symbols are not outlined float is normally indicated. Exceptions are also plotted from regional creek traverses.



699006

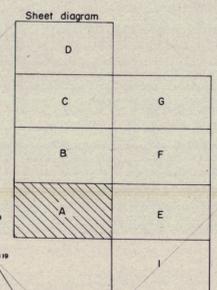
5 cm

73-932

CLEVELAND TIN N.L.

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CHECKED BY:	REVISOR BY:	DATE
REVISOR BY:	DATE	

SUMMARY MAP-EXPLORATION ACTIVITY
 CLEVELAND MINE AREA 3087
 prepared by COMINCO EXPLORATION PTY. LTD.
 Scale: 1:5000 Date: OCTOBER 1972 Plate: Map 2 Sh. C.



699007
 5 cm

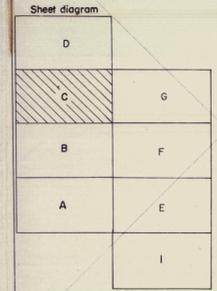
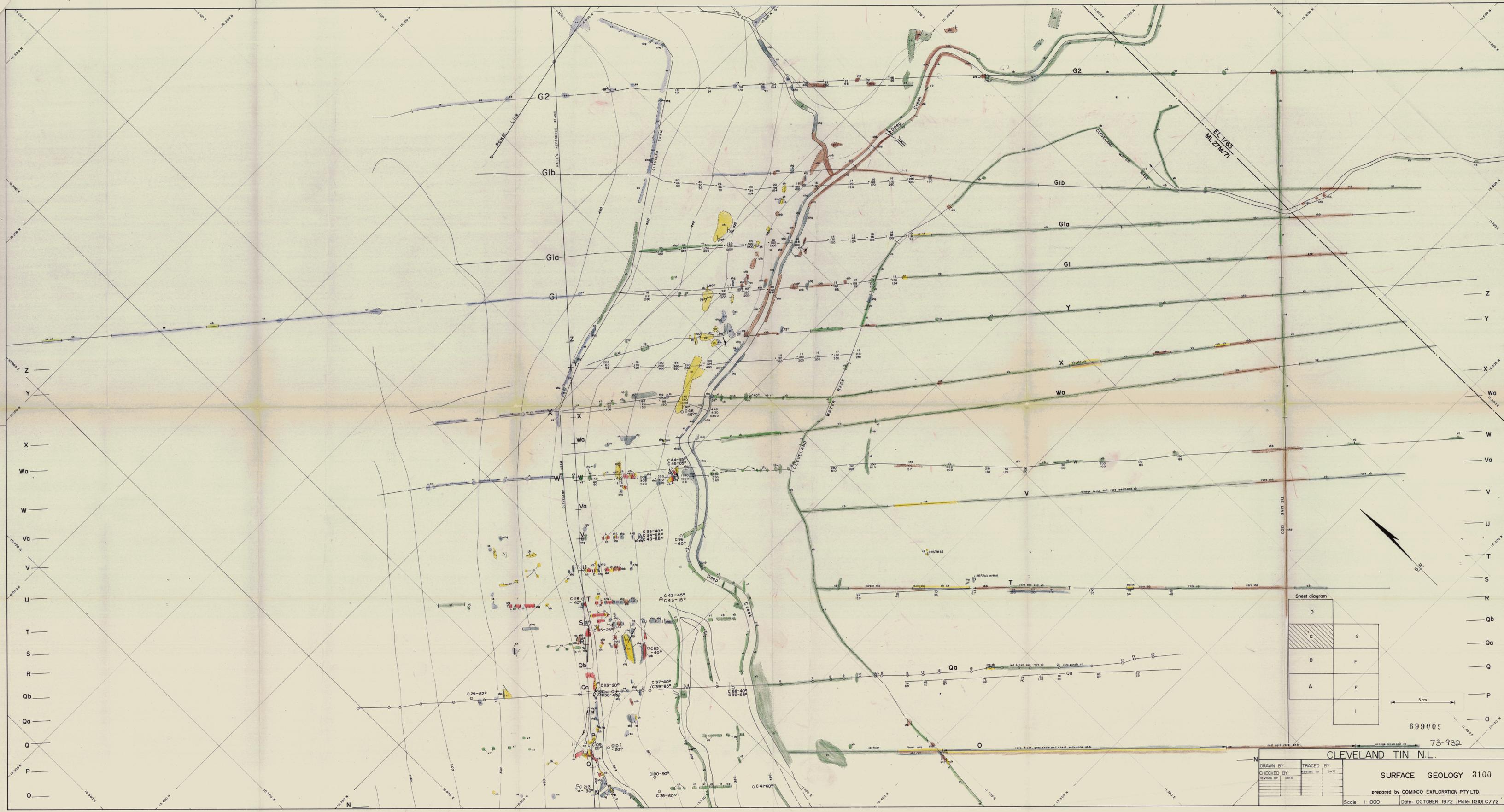
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CLEVELAND TIN N.L.

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REVISED BY	DATE

SURFACE GEOLOGY 3093

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 Scale 1:1000 Date NOVEMBER 1972 Plate 1010A/72



5 cm

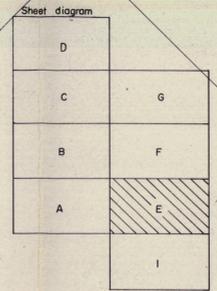
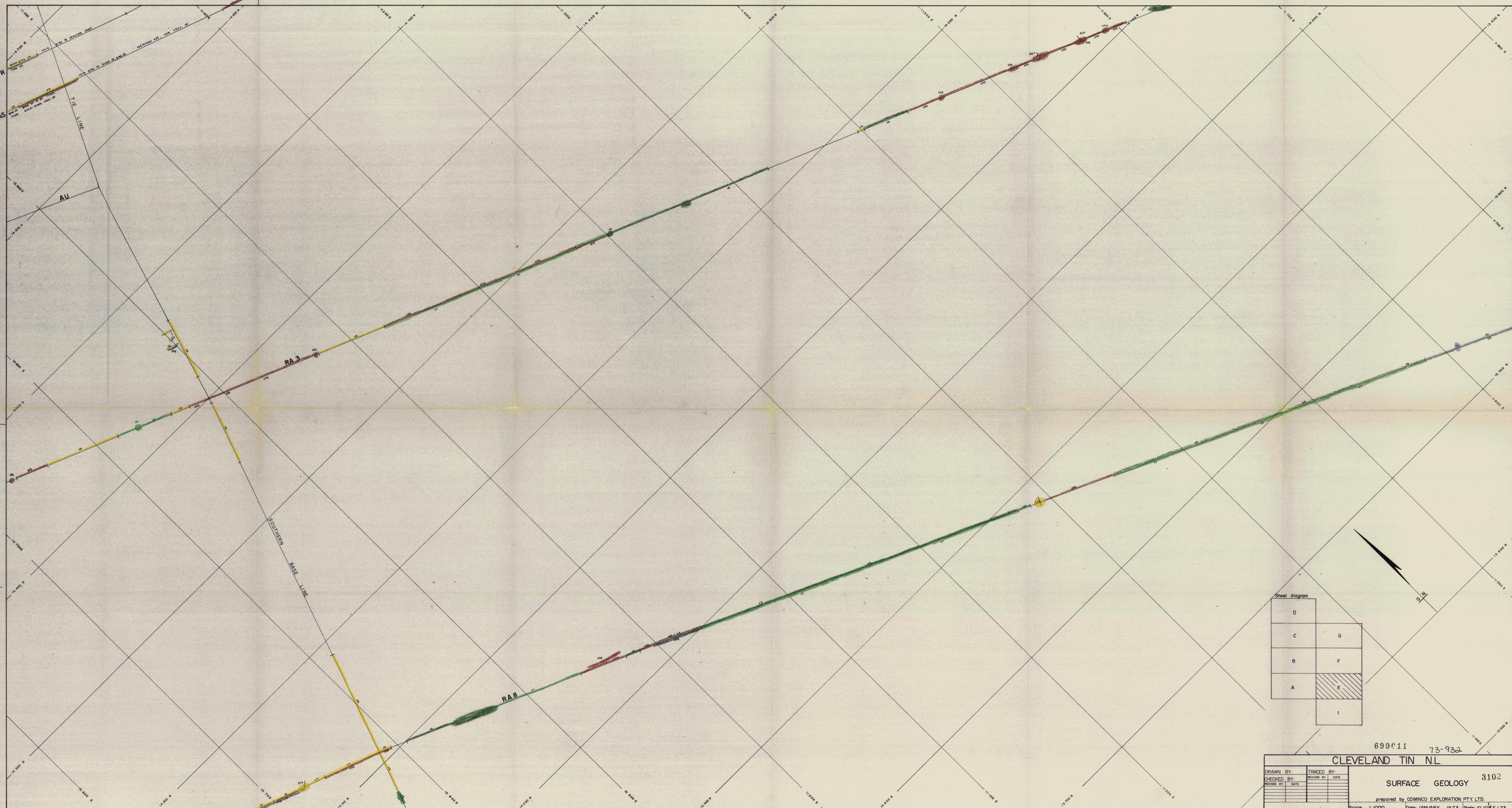
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CLEVELAND TIN N.L.

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CHECKED BY	REVIEWED BY
DATE	DATE

SURFACE GEOLOGY 3100
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 Scale: 1:1000 Date: OCTOBER 1972 Plate: 10101C/72



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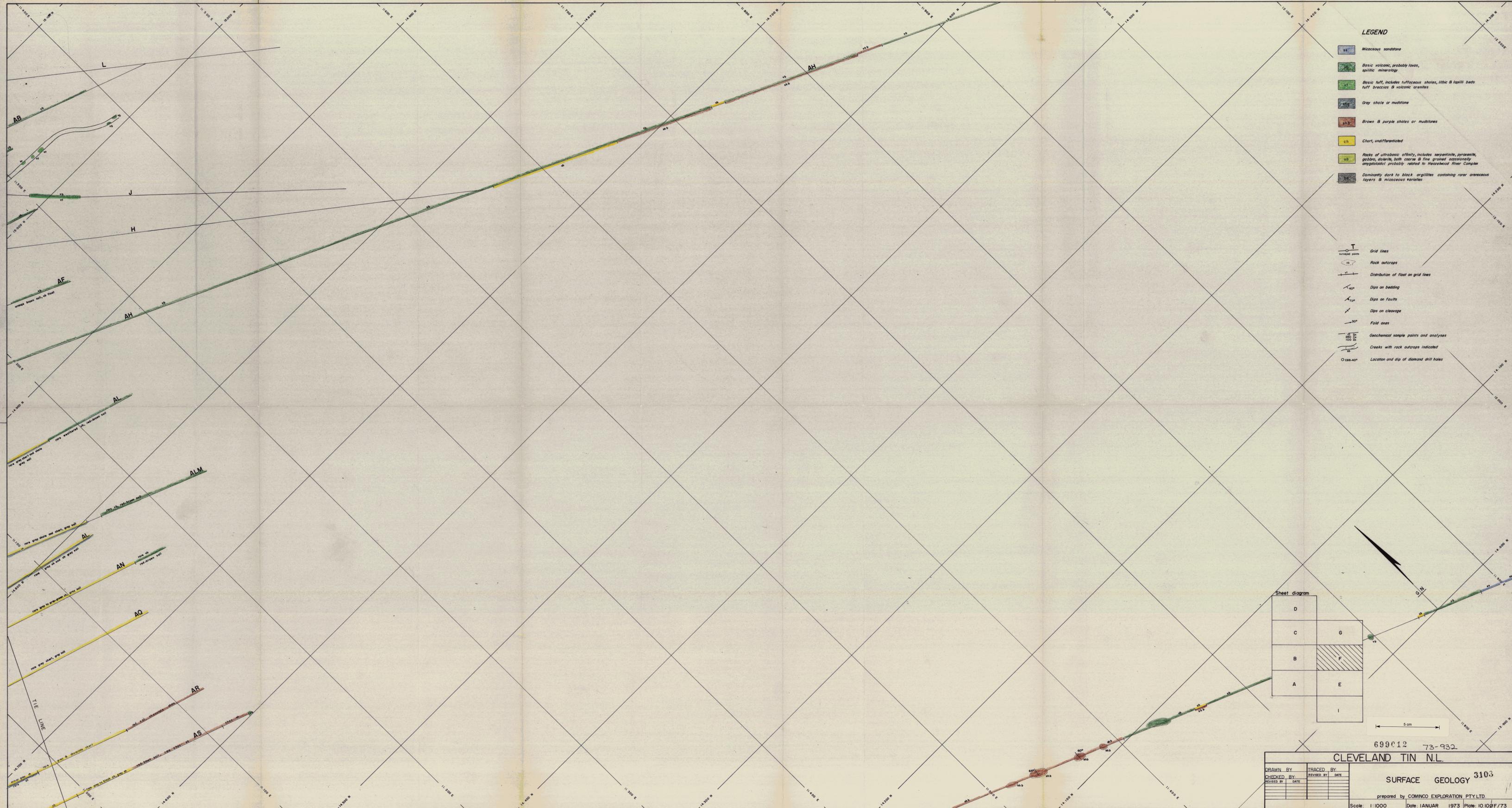
CLEVELAND TIN N.L.

SURFACE GEOLOGY 3102

prepared by COMINCO EXPLORATION PTY. LTD.

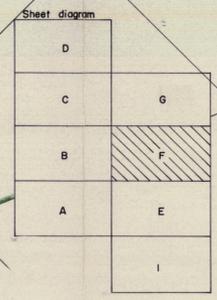
Scale: 1:1000 Date: JANUARY 1973 Plate: 10/10 E/73

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REVISED BY:	DATE:



LEGEND

-  Micaceous sandstone
 -  Basic volcanic, probably lavas, spilitic mineralogy
 -  Basic tuff, includes tuffaceous shales, lithic & lapilli beds tuff breccias & volcanic arenites
 -  Grey shale or mudstone
 -  Brown & purple shales or mudstones
 -  Chert, undifferentiated
 -  Rocks of ultrabasic affinity, includes serpentinite, pyroxenite, gabbro, dolerite, both coarse & fine grained occasionally amphibolites probably related to Hazlewood River Complex
 -  Dominantly dark to black argillites containing rarer arenaceous layers & micaceous varieties
-
-  Grid lines
 -  Rock outcrops
 -  Distribution of float on grid lines
 -  Dips on bedding
 -  Dips on faults
 -  Dips on cleavage
 -  Fold axes
 -  Geochemical sample points and analyses
 -  Creeks with rock outcrops indicated
 -  Location and dip of diamond drill holes



699012 73-932

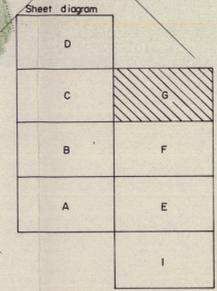
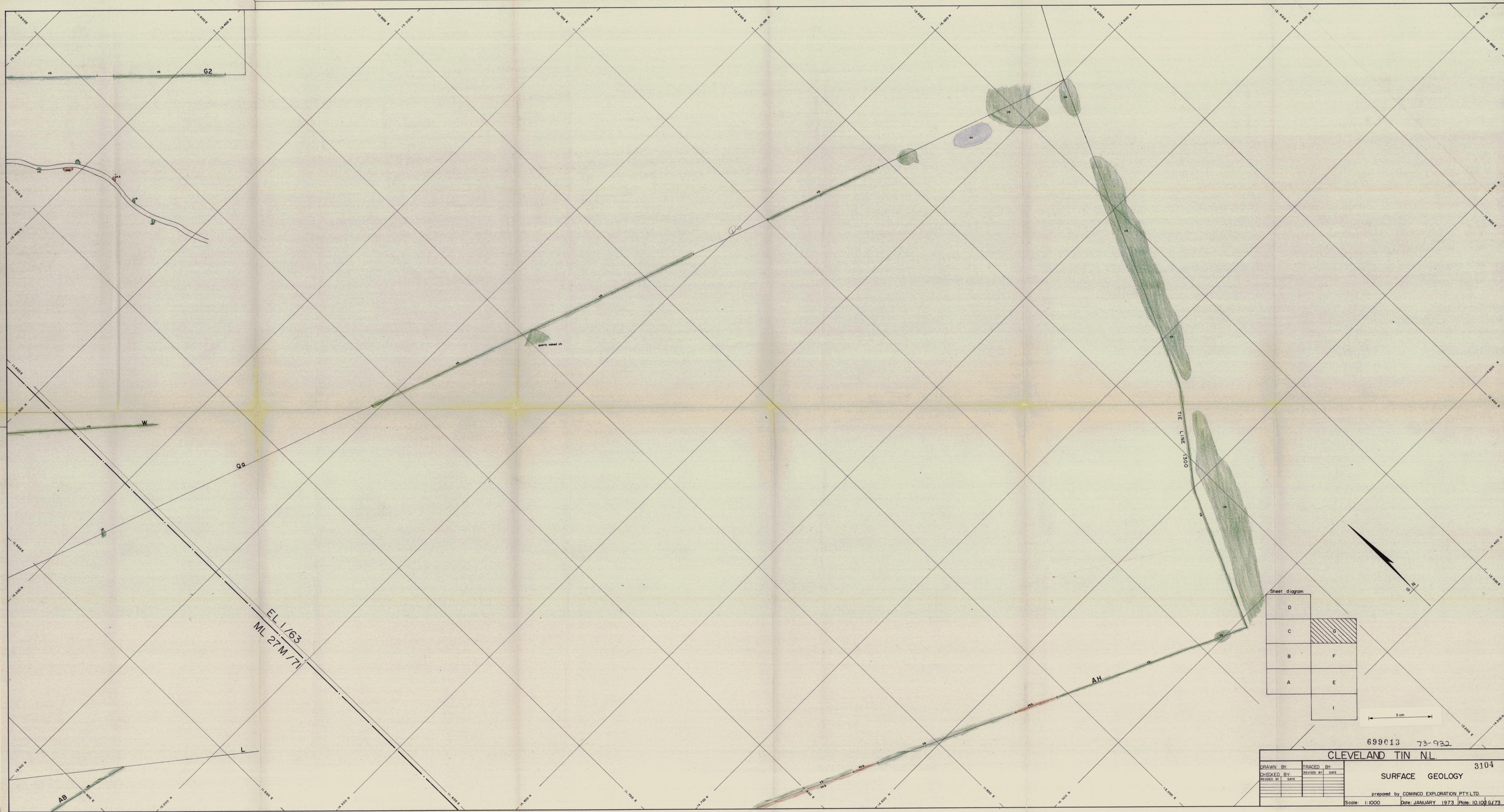
CLEVELAND TIN N.L.

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CHECKED BY	REVISED BY
PLANNED BY	DATE

SURFACE GEOLOGY 3103

prepared by COMINCO EXPLORATION PTY.LTD

Scale: 1:1000 Date: 1 JANUAR 1973 Plate: 10.10/F/73



5 cm

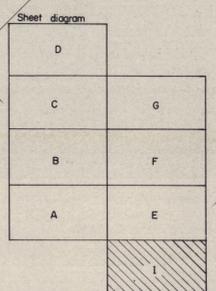
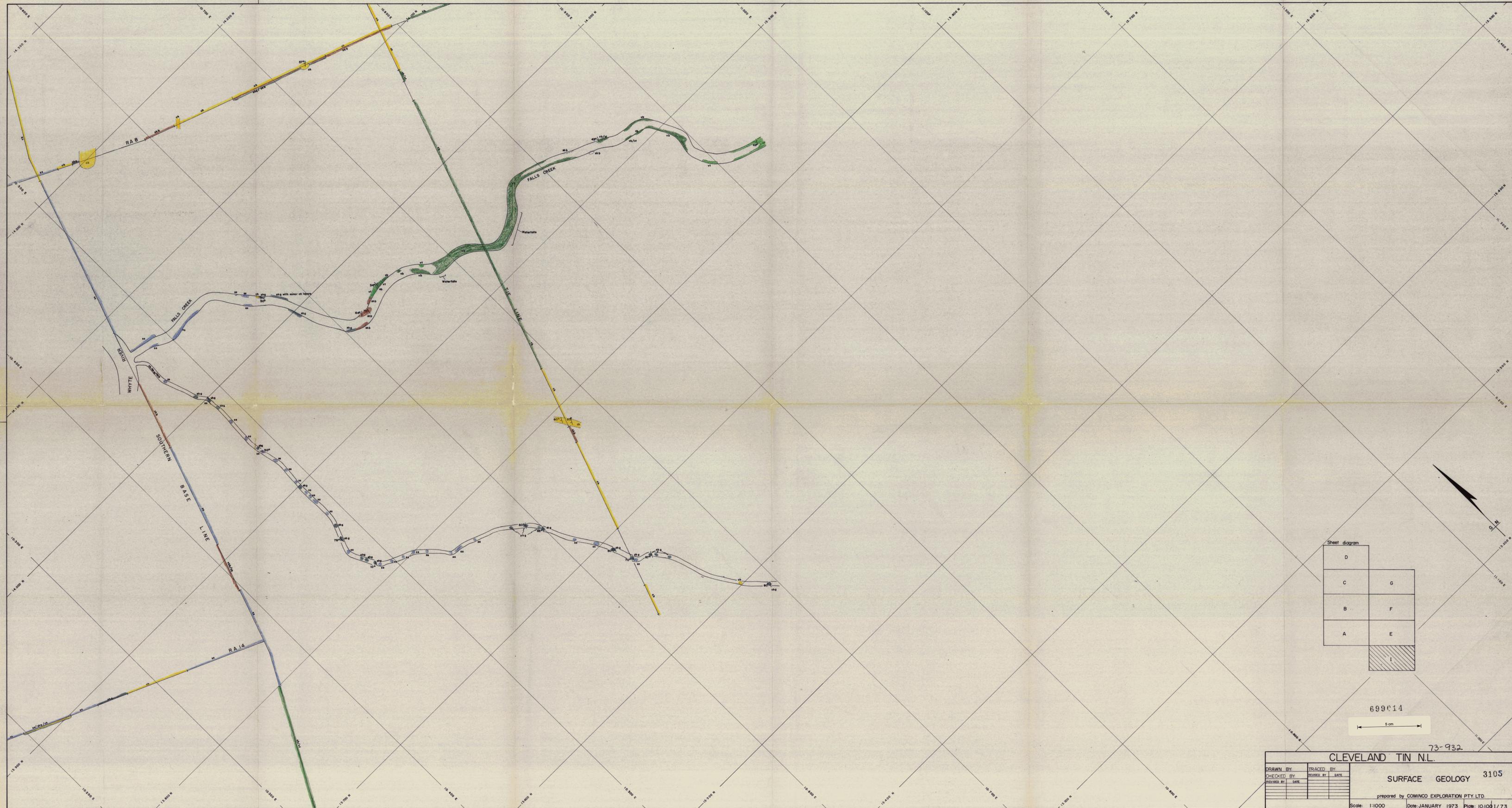
699013 73-932

CLEVELAND TIN NL

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REVISED BY:	DATE:
DATE:	

3104 SURFACE GEOLOGY

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Scale: 1:1000 Date: JANUARY 1973 Plate: 10.1006/73



699014
 5 cm

73-932

CLEVELAND TIN N.L.

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REVISED BY:	DATE:

SURFACE GEOLOGY 3105

prepared by COMINCO EXPLORATION PTY. LTD.

Scale: 1:1000 Date: JANUARY 1973 Plate: 101001773