03-4903

# Tasmanian Mineral Exploration Company Report

Title: Tube number 21: Dolcoath, Narrawa Reward 1981-87 (EL 7/73, EL 26/85, EL 41/83)
Company: PlacerDome

Plans from archive store in Zeehan

Compiled by David Green 4 June 2003.

03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

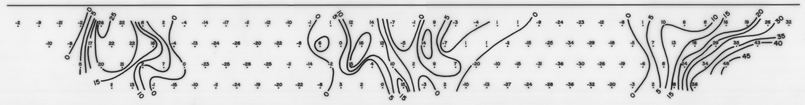
Tube 21

| SHEET | EL Nº | SCALE | REMARKS | DATE |
|---|---|---|---|---|
| CETHANA | 26/85 | 1:2500 | DOLCOATH GRID VLF PSEUDOSECTIONS | JULY '87 |
| LAKE LEA | 41/83 | 1:5000 | PROPOSED DRILL SITE LOCATIONS | JAN '88 |
| MOINA AREA | 26/85 | 1:1000 | NARRAWA REWARD-HIGGS GOLD MINING AREA DOLCOATH GRID SHEET. | |
| " | 26/85 | 1:1000 | NARRAWA REWARD-HIGGS GOLD MINING AREA ACCESS SHEET. | |
| " | | 1:1000 | NARRAWA REWARD. HIGGS GOLD MINE. GEOLOGY PLAN | DEC. 82. |
| " | | 1:1000 | NARRAWA REWARD. HIGGS GOLD MINING AREA. SAMPLE LOCATIONS. | 2.8.82. |
| " | | 1:1000 | NARRAWA REWARD. HIGGS GOLD MINING AREA GEOCHEM RESULTS 'Bi, W, Sn' | 2.8.82 |
| " | | 1:1000 | NARRAWA REWARD. HIGGS GOLD MINING AREA. GEOCHEM. RESULTS 'Cu, Pb, Zn' | 2.8.82. |
| " | | 1:1000 | NARRAWA REWARD. HIGGS GOLD MINING AREA. ARSENIC GEOCHEMISTRY (P.P.m) | JAN '87 |
| " | | 1:1000 | NARRAWA REWARD. HIGGS GOLD MINING AREA. SAMPLE LOCATIONS. | NOV. '86 |
| " | | 1:1000 | NARRAWA REWARD. HIGGS GOLD MINING AREA. ZINC GEOCHEMISTRY (P.P.m) | JAN. '87 |
| | | 1:1000 | NARRAWA REWARD. HIGGS GOLD MINING AREA. COPPER GEOCHEMISTRY (P.P.m) | JAN '87 |
| " | | 1:1000 | NARRAWA REWARD. HIGGS GOLD MINING AREA. BISMUTH GEOCHEMISTRY (P.P.m) | JAN '87 |
| " | | 1:1000 | NARRAWA REWARD. HIGGS GOLD MINING AREA. LEAD GEOCHEMISTRY (P.P.m.) | JAN '87 |
| " | | 1:1000 | NARRAWA REWARD. HIGGS GOLD MINING AREA. TIN GEOCHEMISTRY (P.P.m.) | JAN '87 |
| " | | 1:1000 | NARRAWA REWARD. HIGGS GOLD MINING AREA. GOLD GEOCHEMISTRY (P.P.m) | NOV '86. |
| " | | 1:1000 | NARRAWA REWARD. HIGGS GOLD MINING AREA. TUNGSTEN GEOCHEMISTRY (P.P.m) | JAN '86 |

| SHEET | EL Nº | SCALE | REMARKS | DATE |
|---|---|---|---|---|
| MOINA AREA | | 1:1000 | NARRAWA REWARD HIGGS GOLD MINE AREA. MOLYBDENUM GEOCHEMISTRY (P.P.M) | JAN '86 |
| " | | 1:2500 | GROUND MAGNETIC SURVEY DALCOATH GRANITE GRID | JUNE '81 |
| " | | 1:2500 | DALCOATH GRID. NORMALISED V.L.F.-E.M. DIPS. N.E CAPE TRANSMITTER (295°NN) PHEONIX V.L.F.-2 | OCT. '81 |
| " | 7/73 | 1:5000 | SHEFFIELD. DOLCOATH GRANITE AREA. REGIONAL ROCK CHIP GEOCHEMISTRY | AUG. 82. |
| " | 7/73 | 1:5000 | SHEFFIELD. DOLCOATH GRANITE AREA. GEOLOGY, MINES & STRUCTURE. | AUG. '82 |
| " | 7/73 | 1:5000 | SHEFFIELD. DOLCOATH GRANITE AREA. ROCK GEOCHEMISTRY-LEAD | AUG. 82. |
| " | 7/73 | 1:5000 | SHEFFIELD. DOLCOATH GRANITE AREA. ROCK GEOCHEMISTRY-TIN | AUG. 82. |
| " | 7/73 | 1:5000 | SHEFFIELD. DOLCOATH GRANITE AREA. ROCK GEOCHEMISTRY - COPPER. | AUG. 82. |
| " | 7/73 | 1:5000 | SHEFFIELD. DOLCOATH GRANITE AREA. SAMPLE LOCATION PLAN | AUG. 82. |
| " | 7/73 | 1:5000 | SHEFFIELD. DOLCOATH GRANITE AREA. SOIL GEOCHEMISTRY-TIN | DEC. 82. |
| " | 7/73 | 1:5000 | SHEFFIELD. DOLCOATH GRANITE AREA. SOIL GEOCHEMISTRY-LEAD | AUG. '82 |
| " | 7/73 | 1:5000 | SHEFFIELD. DOLCOATH GRANITE AREA. SOIL GEOCHEMISTRY-COPPER | AUG '82 |
| " | 7/73 | 1:5000 | SHEFFIELD. DOLCOATH GRANITE AREA. SOIL GEOCHEMISTRY-TUNGSTEN | AUG. '82 |
| " | 7/73 | 1:5000 | SHEFFIELD. DOLCOATH GRANITE AREA. SOIL GEOCHEMISTRY - MOLYBDENUM. | AUG. '82 |

4200 N 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 N

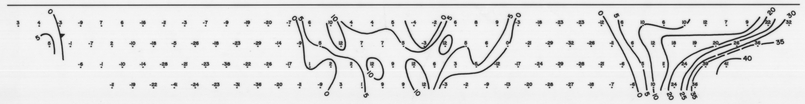
LINE 5900 E.



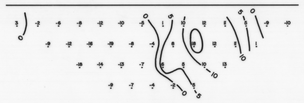
LINE 5850 E.



LINE 5800 E.



LINE 5750 E.



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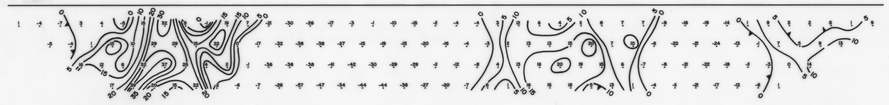
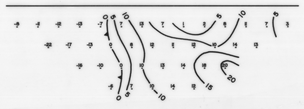


LINE 5650 E.



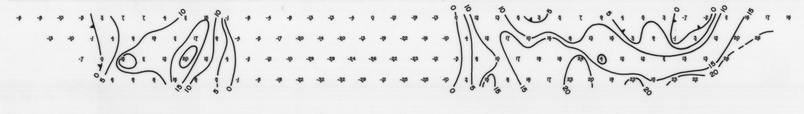
LINE 5600 E.



LINE 5500 E.



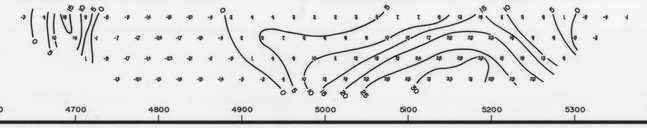
LINE 5400 E.



LINE 5300 E.



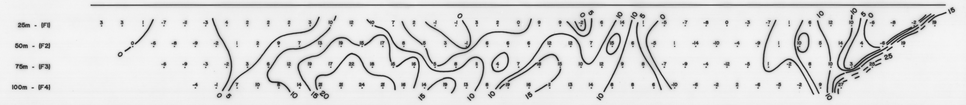
LINE 5200 E.



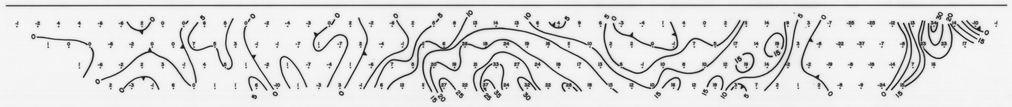
4200 N 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 N

4300 N 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 N

LINE 6600 E.



LINE 6500 E.



LINE 6400 E.



LINE 6300 E.



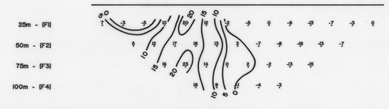
LINE 6200 E.



LINE 6100 E.



LINE 6050 E.



LINE 6000 E.



LINE 5950 E.



25m - (F1)
50m - (F2)
75m - (F3)
100m - (F4)

**NOTES:**

**Survey for CRA (Fls, 1982)**

**Infill lines, GFEL 1987**

**Sections produced by four passes of Fraser Filter (offer Fraser, 1981)**

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Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

5 cm

GF/M087/03

GOLDFIELDS EXPLORATION LIMITED

CETHANA - E.L. 26/85

DOLCOATH GRID

VLF PSEUDOSECTIONS

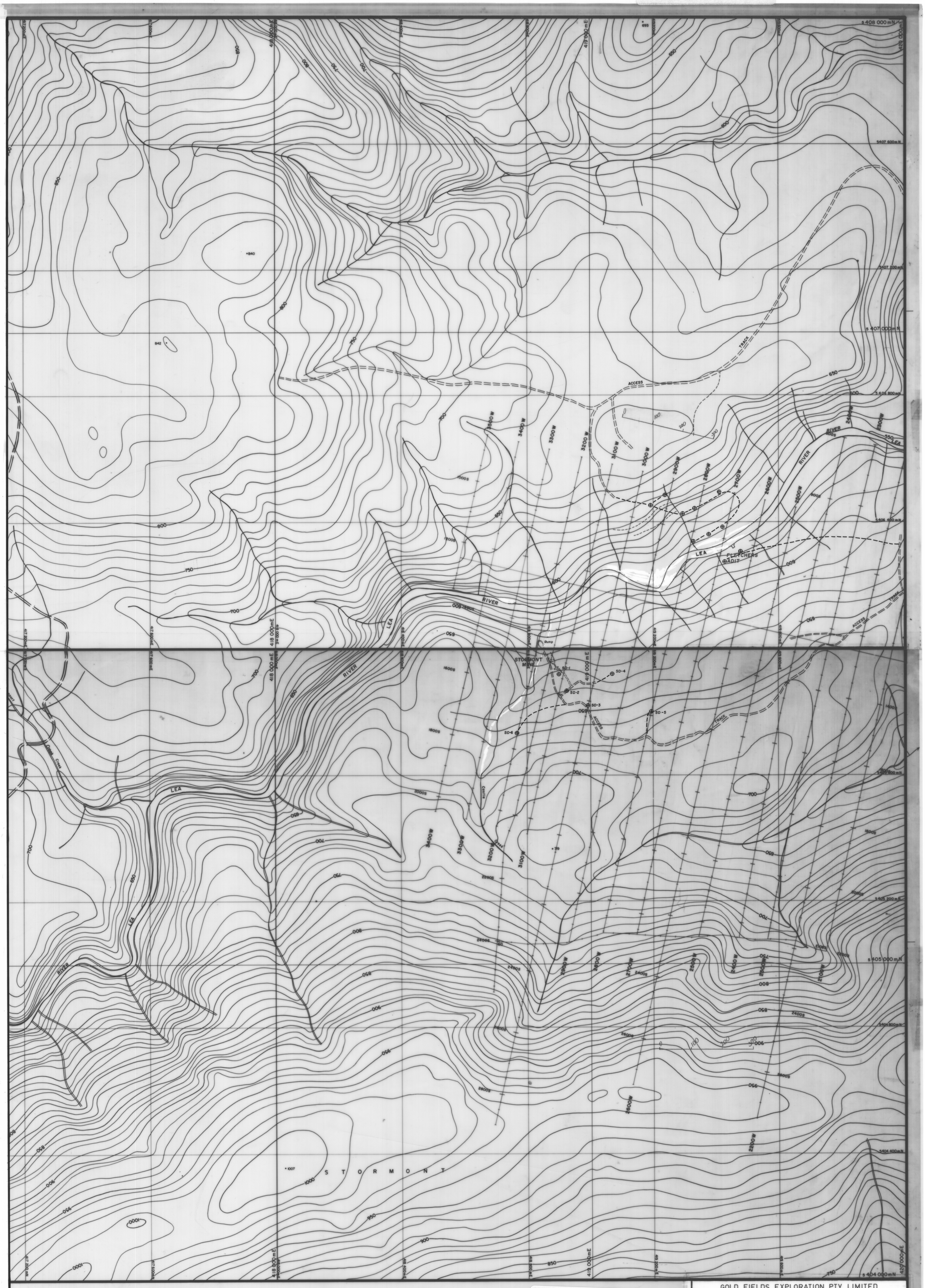
DRAWN BY : J.B.
DRAFTSMAN: T.G.D.S.
DATE : July '87
REVISIONS :
FILE No.

SCALE 1:2500 50 0 50 100 METRES

FIG. 47

MOINA AREA
CETHANA - E.L. 26/85
1:5000
VLF
PSEUDOSECTIONS.

E.L. 41/83
LAKE LEA
1:5000
PROPOSED
DRILL SITE
LOCATIONS




LEGEND

- EXISTING TRACKS (Old Logging Road)
- OVERGROWN TRACKS
- PROPOSED TRACKS TO DRILL SITES
- ⊕ SD-1 PROPOSED DRILL SITE
- ⊕ APPROXIMATE POSITION OF DRILL SITE

03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

5 cm

GOLD FIELDS EXPLORATION PTY. LIMITED

LAKE LEA - E.L. 41/83

**PROPOSED DRILL SITE LOCATIONS**

DRAWN BY : R.H.R.
DRAFTSMAN: G.B.
DATE Jan.'88
REVISIONS :
FILE NO.

SCALE 1:5000 100 50 0 100 200 METRES

FIG. 2

1:1000 MOINA AREA
NARRAWA REWARD - HIGGS
GOLD MINING AREA
DOLCOATH GRID SHEET

5600E 5650E 5700E 5750E 5800E 5850E 5900E 5950E 6000E 6050E 6100E

5200N

5100N

5000N

4900N

4800N

03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D.
EL26/1985; EL41/1983

DOLCOATH GRID

5 cm

1:1000 MOINA AREA
NARRAWA REWARD - HIGGS
GOLD MINING AREA
ACCESS SHEET

DD82 DG 2
-46° at 200° MN
E.O.H. 113·5m

DD82 DG 1
-46° at 200° MN
E.O.H. 216·5m

NARRAWA REWARD
GOLD MINE

Trenches

NARRAWA CREEK

DRILL ACCESS TRACK
To SQUIB WORKINGS

Narrawa Creek Track

Hut

Sluiced area

CLIFF

Rock Faces

Water Race

HIGGS GOLD MINE

NARRAWA CREEK

TN MN GN
13° 20°

NB. – Refer to 1:5000 Cethana 2-2 Plan for plan position

03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific"
Green, D. EL26/1985; EL41/1983

GOLD FIELDS EXPLORATION PTY. LIMITED

E.L. 26/85
NARRAWA REWARD – HIGGS GOLD MINING AREA

5 cm

SCALE 1:1000

20 10 0 20 40
METRES

DRAWN BY :
DRAFTSMAN :
DATE :
REVISIONS :
FILE NO.
FIG.

1:1000 MOINA AREA
NARRAWA REWARD
HIGGS GOLD MINE
GEOLOGY

5600 E 5650 E 5700 E 5750 E 5800 E 5850 E 5900 E 5950 E 6000 E 6050 E 6100 E

5200 N 5100 N 5000 N 4900 N 4800 N

Omq Omq-v Omk Omh Dqp Orc Oms Omc Tg Oms

DD82-DG 2 -46° at 200° MN E.O.H. 113.5 m

DD82 DG 1 -46° at 200° MN E.O.H. 216.5 m

NARRAWA REWARD GOLD MINE

Trenches

NARRAWA CREEK

F?

Drill Access Track To SQUIB WORKINGS

NO OUTCROP: GENERALLY FLATTER AREA FLOAT MAY NOT REPRESENT OUTCROP

Narrawa Creek Track

Hut

Sluiced area

50° CLIFF

Rock Faces

Water Race

HIGGS GOLD MINE

62° 19°

## LEGEND

### ORDOVICIAN

**Orc** Roland Conglomerate. - Clean boulder conglomerate cemented by fine sands. Clasts to 20cm. well baked.

**Oms** Moina Sandstone. - Fairly poorly sorted sandstone some zones argillaceous - muddy. Often called Tubicular Sandstone due to presence of worm casts - Pyritic.

**Omq** Moina Quartzite - Metamorphosed to quartzite generally well baked - better jointed, float harder, not so leached.

**Omq-v** Quartzites. - Heavily veined and fractured

**Omc** Thin calc - silicate zones finely banded trend along - strike into skarns.

**Omk** Skarn - dark green banded hedenbergite, actinolite diopside skarns banded, often contain significant phyrhotite & magnetite.

**Omh** Hornfels - Dark grey - dense well baked quartzite.

Gossan Zone.

### DEVONIAN

**Dqp** Quartz - porphyry dykes, often slightly greisenised - tourmalinized.

### TERTIARY

**Tg** Grey Billy. - ferruginised / silicified cemented gravels, often form outliers.

5 cm

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(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

TN MN GN 13° 20°

CRA EXPLORATION PTY. LIMITED

NARRAWA REWARD - HIGGS GOLD MINING AREA

GEOLOGY PLAN

| | | | |
|---|---|---|---|
| Ref: | SK55 - 3 | | |
| Scale: | 1 : 1000 | Drawn: | T. G. D. S. |
| Author: | G. W. | Report No. | 11881 |
| Date: | Dec. 1982 | Plan No. | TASh 823 |

1:1000 MOINA AREA
NARRAWA REWARD
HIGGS GOLD MINE

5600 E 5650 E 5700 E 5750 E 5800 E 5850 E 5900 E 5950 E 6000 E 6050 E 6100 E

5200 N 5100 N 5000 N 4900 N 4800 N

935143 935144 935145 935147 935146 935149 935148 935150 935151 935152 935153 935154 935155 935156 935158 935159 935160 935161 935162 935163 935164 935165 935166 935167 935168

972266 972267 972268 972269 972270 972271 972272 972273 972274 972275 972276 972277 972278

935991 935990 935989 935988 935987 935986 935985 935984 935983 935982 935980 935981 935979 935978 935977 935976 935975 935974 935948 935949 935950 935952 935951 935953 935955 935954 935957 935956 935958

972215 972216 972218 972217 972219 972220 972221 972222 972223 972254 972255 972256 972257 972258 972259 972260 972261 972262 972263 972264 972265

935248 935246 935247 935245 935244 972186 972185 972184 972183 935243 935242 935241 935240 935239 935238 935237 935236 935235 935234 935233 935232 935231 935650 935230 935651 935229 935228 935227 935226 935225 935224 935223 935222

935859 935860 935861 935862 935863 935864 935865 935866 935867 935868 935869 935870 935871 935872 935873 935874 935875 935876 935877 935878 935879 935880 935881 935882 935883 972226 935885 935886 935887 935888 935889 935890 935891 935892 935893 935894 935895 935896 935897

935729 935618 935617 935616 935615 935614 935613 935612 935611 935610 935609 935608 935607 935606 935605 935604 935603 935602 935601 935631 935337 935336 935628 935334 935335 935333 935332 935737 935738 935331 935330 935329 935328 935327 935326 935325 935323 935324 935322

935898 935899 935900 972201 972202 972203 935632 972204 972205 972206 935295 972207 972208 972209 972210 935299 935736 HIGGS GOLD MINE 935735 935734 935733 972211 972212 972213 972214

935285 935286 935287 935288 935289 935290 935291 935292 935293 935294 935296 935297 935298 935300 935351 935352 935353 935354

935510 935509 935508 935507 935506 935505 935504 935503 935502 935501 935400 935399 935398 935397 935396 935395 935393 935394 935392 935391 935385 935384 935383 935382 935381 935380

972286 972285 972284 972283 972282 972281 972280 972279

NARRAWA REWARD GOLD MINE

DD82 DG 2 -46° at 200° MN E.O.H. 113.5 m

DD82 DG 1 -46° at 200° MN E.O.H. 216.5 m

Trenches

Narrawa Creek Track

Drill Access Track To SQUIB WORKINGS

Sluiced area

CLIFF

Rock Faces

Hut

Water Race

NARRAWA CREEK

CREEK

## LEGEND

SAMPLE NUMBERS

Soil Samples

Rock Samples

x ss Stream Sediment Samples

5 cm

# 03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
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Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

TN MN GN 13° 20°

| CRA EXPLORATION PTY. LIMITED | | | |
|---|---|---|---|
| NARRAWA REWARD - HIGGS GOLD MINING AREA | | | |
| SAMPLE LOCATIONS | | | |
| Ref: | SK55 - 3 | | |
| Scale: | 1 : 1000 | Drawn: | R. T. |
| Author: | G. W. | Report N°. | 11881 |
| Date: | 2 - 8 - 1982 | Plan N°. | TASh 825 |

1:1000 MOINA AREA
NARRAWA REWARD
HIGGS GOLD MINE
Bi,W,Sn GEOCHEM.

5600 E | 5650 E | 5700 E | 5750 E | 5800 E | 5850 E | 5900 E | 5950 E | 6000 E | 6050 E | 6100 E

5200 N | 5100 N | 5000 N | 4900 N | 4800 N

DD82 DG 2
-46° at 200° MN
E.O.H. 113.5 m

DD82 DG 1
-46° at 200° MN
E.O.H. 216.5 m

NARRAWA REWARD GOLD MINE

Trenches

HIGGS GOLD MINE

| | Au | W | Sn |
|---|---|---|---|
| • | 4.59 | x | 30 |
| • | 0.012 | x | 35 |
| • | 2.81 | 30 | 25 |

Drill Access Track To SQUIB WORKINGS

Narrawa Creek Track

NARRAWA CREEK

Sluiced area

CLIFF

Rock Faces

Hut

Water Race 29,18,601

## LEGEND

- Soil Samples
- Rock Samples

5 cm

# 03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

TN | MN | GN (13° 20°)

| CRA EXPLORATION PTY. LIMITED | | | |
|---|---|---|---|
| NARRAWA REWARD - HIGGS GOLD MINING AREA GEOCHEM. RESULTS 'Bi, W, Sn' | | | |
| Ref: | SK55 - 3 | | |
| Scale: | 1 : 1000 | Drawn: | R. T. |
| Author: | G. W. | Report N°. | 11881 |
| Date: | 2 - 8 - 1982 | Plan N°. | TASn 827 |

1:1000 MOINA AREA
NARRAWA REWARD
HIGGS GOLD MINE
Cu,Pb,Zn GEOCHEM.

5600 E | 5650 E | 5700 E | 5750 E | 5800 E | 5850 E | 5900 E | 5950 E | 6000 E | 6050 E | 6100 E

5200 N

4,22,103
6,x,5
15,25,5
10,x,x
4,17,98
15,10,x
15,25,20
5,13,61
3,25,135
5,21,164
20,10,25
3,15,115
15,79,75
9,19,71
28,56,65
18,465,148
18,61,30
12,94,63
15,15,20
4,93,37
35,10,5
2,60,27
2,16,14
1,46,9
2,34,30

5,15,20
10,15,15
10,15,15
5,5,30
5,15,20
30,10,45
10,5,25
60,10,55
10,25,20
15,x,15
10,x,15
10,x,15
10,x,15
10,x,15
2,5,11
4,14,42
5,x,5
3,2,7
10,x,5
8,168,12
5,72,19

11,17,120
10,10,5
6,45,27
3,23,85
5,15,15
3,16,20
5,20,5
15,60,10
5,10,x
10,5,25
4,11,41
10,15,5
10,10,x
10,30,100
113,130,94
5,140,60
24,70,24
5,15,10
43,163,146
13,41,40
5,35,10
72,128,127
5,x,x
3,4,42
5,x,5
3,2,7
10,x,5
8,168,12
5,72,19

10,20,10
5,15,15
10,10,15
35,120,15
10,65,15
10,10,15
10,21,15
15,5,10
5,20,15
10,20,30
20,20,30
15,80,105
5,50,25
10,20,30
10,25,15
45,120,223
5,10,20
25,5,25
145,325,35
10,x,20
10,35,30
20,135,35
140,2550,575
95,1450,15
4,5,20,50
1,8,10
1,8,11
5,6,11

19,32,36
5,6,27
15,15,15
10,5,15
5,45,55
25,10,10
x,20,10
14,45,36
20,60,50
20,55,30
20,50,30
15,10,20
30,10,5
5,5,10
25,340,45
DD82 DG 2
-46° at 200° MN
E.O.H. 113.5 m
5,15,23
19,72,51
250,1350,85
160,605,65
4,24,20
65,460,10
27,191,65
60,230,240
13,105,60
25,159,100
27,60,20
15,60,70
x,25,85
10,55,110
5,50,135
5,30,80
37,94,79
5,20,155
x,50,150
420,45,95
27,99,27
5,45,40
6,140,310
Hut
Sluiced area
15,50,50
CLIFF
5,80,20
20,90,10
75,1750,65
1,8,10
1,8,11

15,30,30
55,80,65
10,25,25
10,50,45
20,60,40
5,10,10
x,5,x
10,45,15
DD82 DG 1
-46° at 200° MN
E.O.H. 216.5 m
5,x,10
10,120,25
45,20,50
4,5,700,45
50,15,40
50,100,30
30,150,25
100,x,40
25,105,80
35,105,200
5,20,120
5,60,55
25,95,85
25,20,95
x,90,35
5,10,45
40,95,120
6,140,310
x,35,15
10,1150,65
x,175,10
50,110,120
x,x,15

9,47,43
20,135,15
35,5,5
5,5,25
x,15,5
5,5,5
25,20,10
15,65,45
45,5,x
5,35,25
145,55,55
NARRAWA REWARD GOLD MINE
10,90,25
430,85,50
Trenches
600,650,100
15,415,45
30,1250,30
135,705,45
20,140,40
5,65,5
55,130,95
45,190,70
27,84,60
575,50,175
850,7750,3150
670,8800,3050
25,140,115
5,80,15
595,2150,430
135,805,50
10,190,25
10,25,10
70,280,160
HIGGS GOLD MINE
85,185,130
35,155,135
30,55,35
10,30,15
x,15,10
2,4,9
5,25,15
3,5,9
3,6,6

45,x,5
x,x,10
5,10,25
25,65,15
15,45,90
30,95,305
25,45,120
5,10,10
40,30,45
30,75,30
x,20,25
10,15,20
10,110,45
x,15,50
x,20,20
185,360,65
Water Race
10,50,65
x,25
5,5,5
x,x,5
5,10,10
x,5,20
20,1350,40
95,465,25
15,65,30
30,40,35
15,25,35
5,10,15
35,80,35
25,10,15
1000,3.34%,4.35%
NARRAWA CREEK
15,x,40
5,5,10
30,75,30
x,x,20
45,1500,35
145,10,10

5,15,10
Drill Access Track
To SOUTH WORKINGS
40,95,15
20,85,20
20,85,55
15,110,60
5,x,20
x,x,15
10,10,10
10,5,45
10,25,30
x,x,15
30,40,10
15,25,15
x,40,10
x,x,10
x,x,15
x,x,15
x,10,55
x,15,25
20,30,60
x,x,20
x,15,35

40,75,5
x,x,5
25,20,5
15,125,105
55,90,10
15,170,40
35,235,260
15,10,75
5,x,20
5,10,10
x,x,25
10,20,10
x,15,10
x,x,15
x,x,15
x,15,50
x,20,20
x,x,10
x,x,15
30,40,10
15,25,15
x,40,10
x,x,15
x,10,10
10,5,45
10,25,30

5200 N
5100 N
5000 N
4900 N
4800 N

Narrawa Creek Track
Rock Faces
Sluiced area
CLIFF
Water Race
Hut
Drill Access Track
To SOUTH WORKINGS
NARRAWA CREEK
HIGGS GOLD MINE
NARRAWA REWARD GOLD MINE
Trenches

Cu Pb Zn Ag
725 5.09% 6.28% 53
1250 7150 2.16% 28
925 7.53% 6.50% 88

**LEGEND**

Soil Samples

Rock Samples

5 cm

03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

TN MN GN
13° 20°

CRA EXPLORATION PTY. LIMITED

NARRAWA REWARD - HIGGS GOLD
MINING AREA
GEOCHEM. RESULTS
' Cu , Pb , Zn '

| | | | |
|---|---|---|---|
| Ref: | SK55 - 3 | | |
| Scale: | 1 : 1000 | Drawn: | R. T. |
| Author: | G. W. | Report N°. | 11881 |
| Date: | 2 - 8 - 1982 | Plan N°. | TASh 876 |

1:1000 MOINA AREA
NARRAWA REWARD
HIGGS GOLD MINE
AREA
ARSENIC GEOCHEMISTRY




KEY
Outcrop Rock Sample
× Float Rock Sample

5 cm

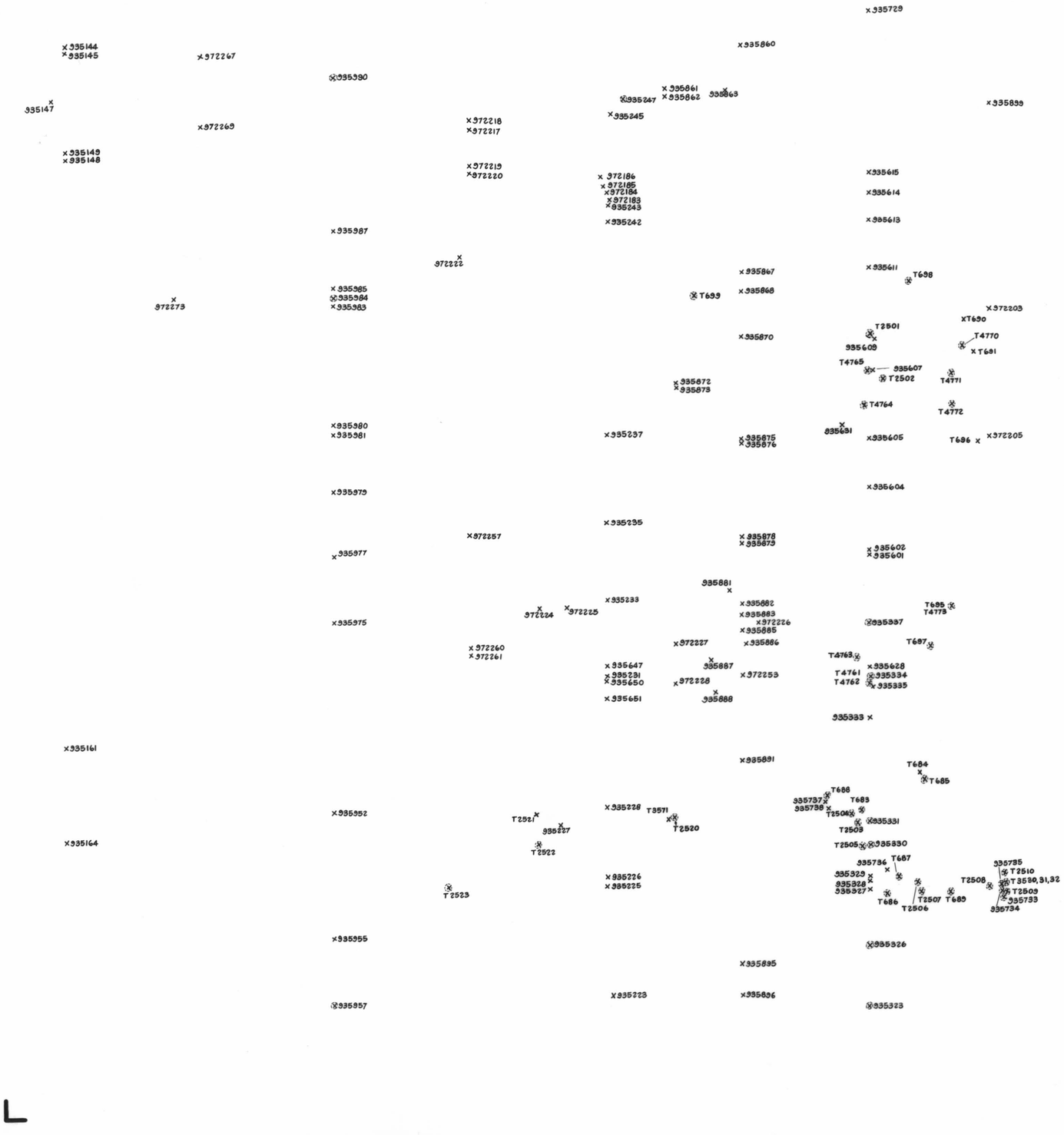
# 03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

R.R.
S.F
JAN.,87

## ARSENIC GEOCHEMISTRY (P.P.M.)

1:1000 MOINA AREA
NARRAWA REWARD - HIGGS GOLD MINE AREA
SAMPLE LOCATIONS




KEY
Outcrop Rock Sample
Float Rock Sample

5 cm

# 03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific"
Green, D. EL26/1985; EL41/1983

## SAMPLE LOCATIONS

R.R.
S.F.
NOV.86

1:1,000 MOINA AREA
NARRAWA REWARD -
HIGGS GOLD MINE
AREA
ZINC GEOCHEMISTRY




KEY
- Outcrop Rock Sample
- Float Rock Sample

5 cm

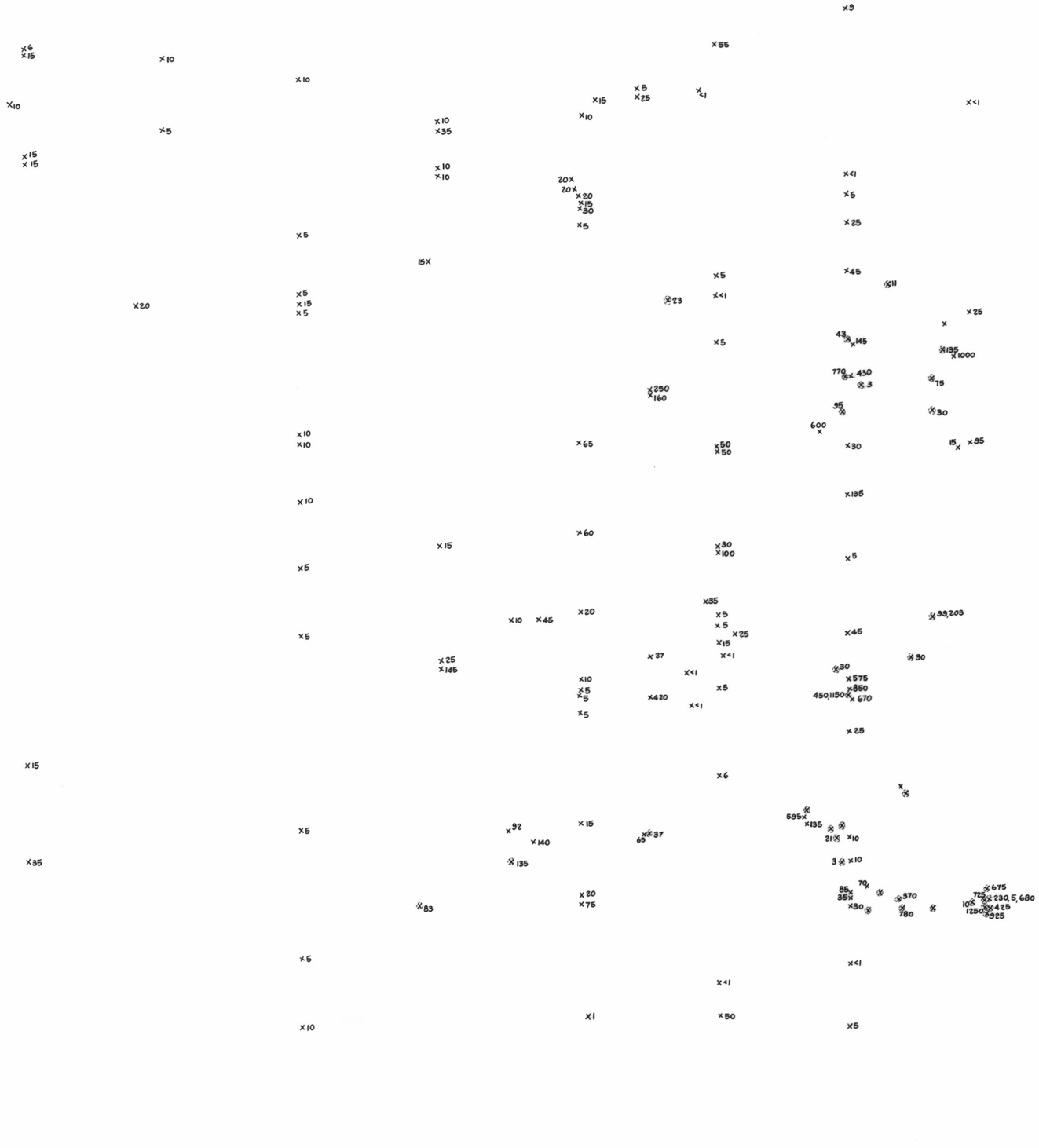
# 03_4903

R.R.
S.F.
JAN.87

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

## ZINC GEOCHEMISTRY (P.P.M.)

1:1000 MOINA AREA
NARRAWA REWARD
HIGGS GOLD MINE
AREA
COPPER GEOCHEMISTRY




KEY
Outcrop Rock Sample
Float Rock Sample

5 cm

# 03_4903

R.R.
S.F.
JAN., 87

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

## COPPER GEOCHEMISTRY (P.P.M.)

1:1000 MOINA AREA
NARRAWA REWARD
HIGGS GOLD MINE
AREA
BISMUTH GEOCHEMISTRY


20
10
<1
80
10
<1
<1

1:1000 MOINA AREA
NARRAWA REWARD
HIGGS GOLD MINE
AREA
LEAD GEOCHEM.




KEY
Outcrop Rock Sample
Float Rock Sample

5 cm

# 03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

R.R.
S.F.
JAN_87

## LEAD GEOCHEMISTRY (P.P.M.)

1:1000 MOINA AREA
NARRAWA REWARD
HIGGS GOLD MINE
AREA
TIN GEOCHEMISTRY




KEY
Outcrop Rock Sample
Float Rock Sample

5 cm

# 03_4903

R.R.
S.F.
JAN., 87

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

## TIN GEOCHEMISTRY (P.P.M.)

1:1000 MOINA AREA

NARRAWA REWARD - HIGGS GOLD MINE AREA

GOLD GEOCHEMISTRY




KEY

Outcrop Rock Sample

× Float Rock Sample

5 cm

# 03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

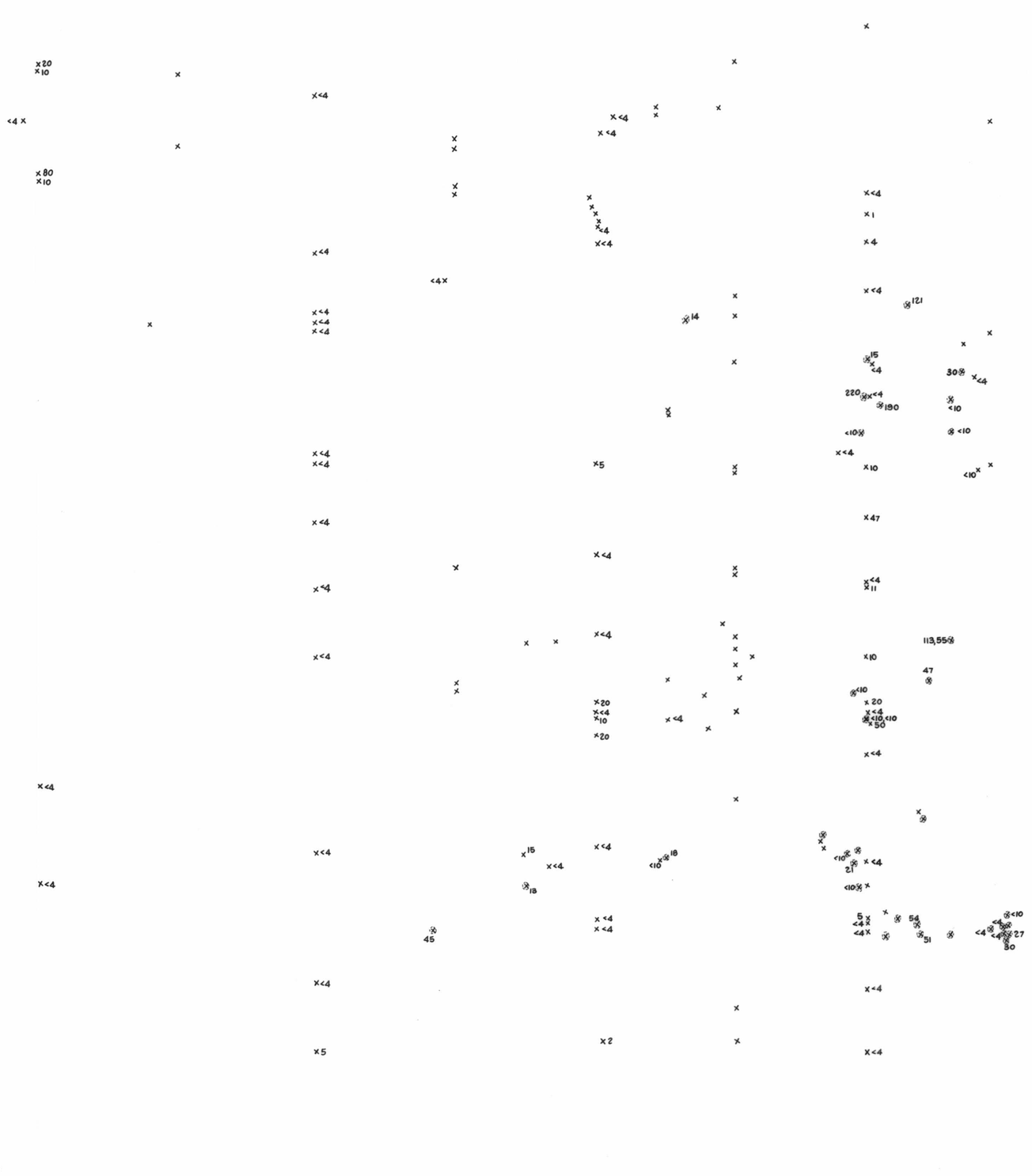
**GOLD GEOCHEMISTRY (P.P.M.)**

R.R.

S.F.

NOV. 86

1:1000 MOINA AREA
NARRAWA REWARD
HIGGS GOLD MINE
AREA
TUNGSTUN GEOCHEMISTRY




# 03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

## TUNGSTEN GEOCHEMISTRY (P.P.M.)

R.R.
S.F
JAN.86

1:1,000 MOINA AREA
NARRAWA REWARD
HIGGS GOLD MINE AREA
MOLYBDENUM GEOCHEM.




KEY
Outcrop Rock Sample
Float Rock Sample

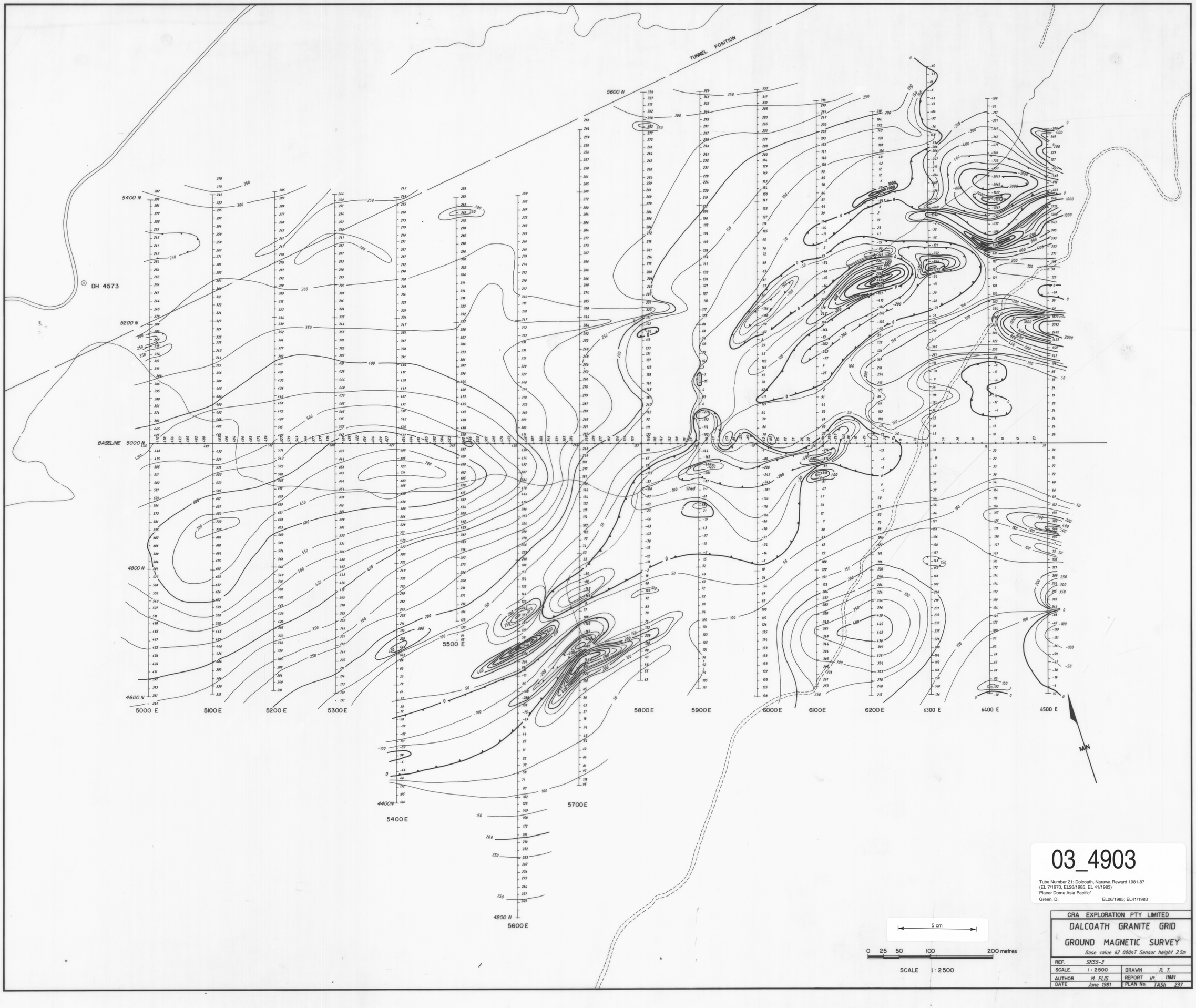
5 cm

03_4903

Tube Number 21; Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

**MOLYBDENUM GEOCHEMISTRY**
**(P. P. M.)**

R.R.
S.F.
JAN.,86




# 03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

5 cm

0 25 50 100 200 metres

SCALE 1:2500

| CRA EXPLORATION PTY LIMITED | | |
|---|---|---|
| DALCOATH GRANITE GRID | | |
| GROUND MAGNETIC SURVEY | | |
| Base value 62 000nT Sensor height 2.5m | | |
| REF. SK55-3 | | |
| SCALE. 1:2500 | DRAWN R. T. | |
| AUTHOR M. FLIS | REPORT No. 11881 | |
| DATE June 1981 | PLAN No. TASh 237 | |

MOINA AREA
1:2500 GROUND MAGNETIC SURVEY
DALCOATH GRID

TUNNEL POSITION

5600 N

5400 N

5200 N

5000 N

4800 N

4600 N

4400 N

4200 N

5000 E

5100 E

5200 E

5300 E

5400 E

5500 E

5600 E

5700 E

5800 E

5900 E

6000 E

6100 E

6200 E

6300 E

6400 E

6500 E

6600 E

DH 4573

BASELINE 5000 N

Narrawa Reward Au Mine

Squib W. mine

Higgs Au Mine

15% Pb,Zn

" 191 "

"20xR"

N.W.C.

MGN

U.T.E.M. Anomalies and Conductor Trace.

191 Approx. position of Dighem Anomalies.

20xR

5 cm

0 25 50 100 200 metres

SCALE 1:2500

03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-07
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983

CRA EXPLORATION PTY LIMITED

DALCOATH GRID
Normalised V.L.F. - E.M. Dips
N.W. Cape Transmitter ( 295° MN )
Pheonix V.L.F. - 2

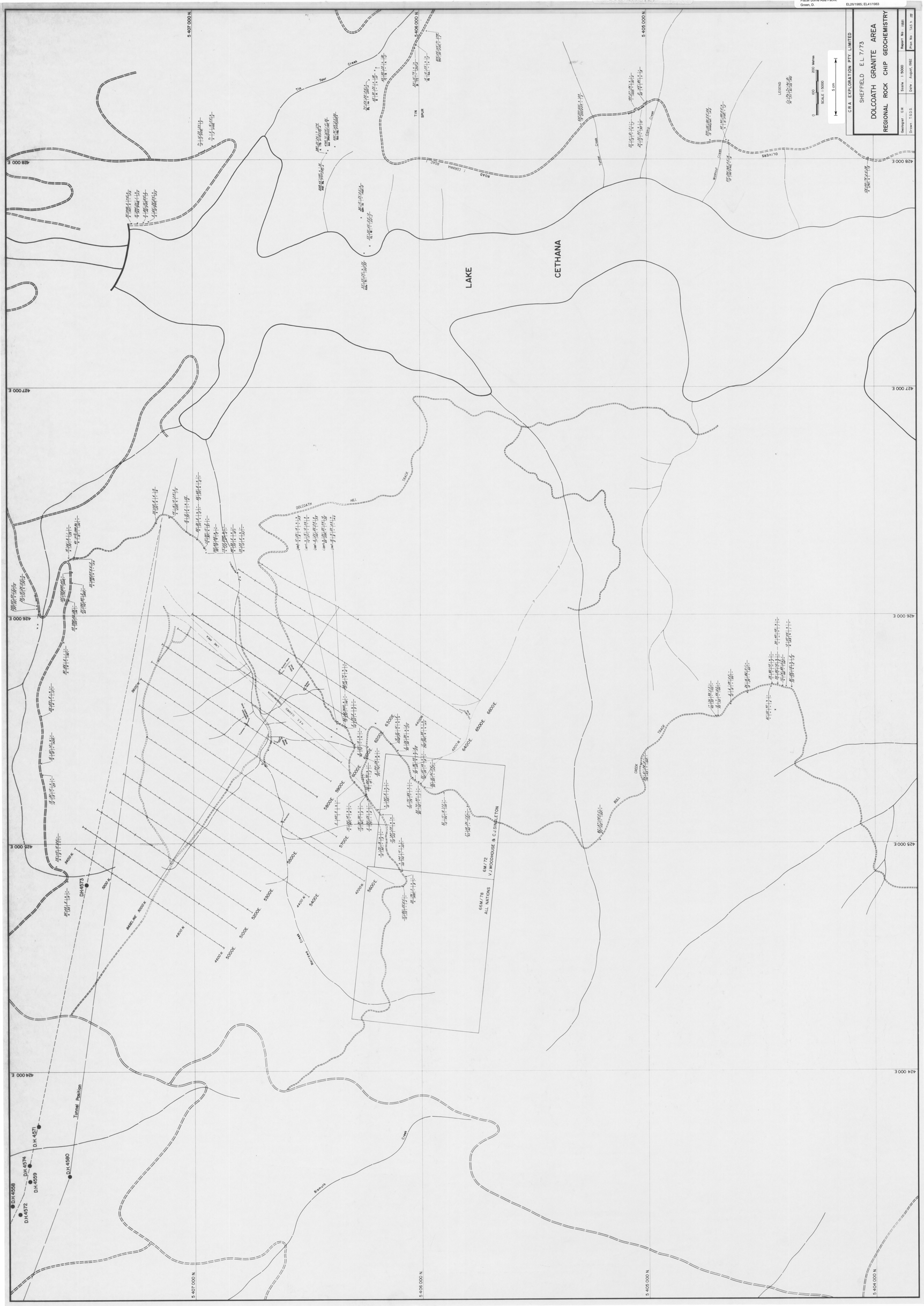
| | | | |
|---|---|---|---|
| REF. | SK 55 3 | | |
| SCALE. | 1:2500 | drawn | R. T. |
| AUTHOR | M.F.F. | REPORT N°. | 11881 |
| DATE | OCT. 1981 | PLAN No. | TASh 536 |

MONA AREA
1:2500 VLF-EM DIPS
DALCOATH GRID

1:5,000 MOINA AREA
DOLCOATH GRANITE
REGIONAL ROCK CHIP
GEOCHEMISTRY

03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983



E.L. 7/74
(SHELL - COMALCO)

E.L. 7/73

E.L.7/73

D.H 4558
D.H.4572
D.H 4574
D.H.4559
D.H. 4571
D.H 4580
Tunnel Position
DH4573

FOR DETAILED SAMPLING/GEOLOGY
REFER TO ENLARGED PLANS

424 000 E
425 000 E
426 000 E
427 000 E
428 000 E

5 407 000 N
5 406 000 N
5 405 000 N
5 404 000 N

BASE LINE
5000 N
5400 N
4800 N
4600 N
5000E
5100E
5200E
5300E
5500E
5400E
5800E
5900E
6100E
6200E
6300E
6400E
6500E
6600E
6700E
4200 N
4400 N
4600 N
5600E
5700E
6000E
6400 N

Oms
Omq
Omh
Omk
Omc
Dg
Orc
Tb

GRANITE
LAKE
CETHANA
CAMBRIAN
BULL CREEK VOLCANICS
(UNDIFFERENTIATED)
BULL CK VOLC
(UNDIFFERENTIATED)
(CONTACT METAMORPHOSED PARTIALLY ASSIMILATED)
DOLCOATH HILL
Granite extensively greisenised

POVEYS WORKINGS
SAYERS WORKINGS
BLACKS LOWER SHAFTS
BLACK'S LODE
OPEN CUT
SOUTHERN WOLFRAMITE LODE
UN-NAMED WORKINGS (W)
UN-NAMED WORKINGS
PACKETTS WORKINGS
ALL NATIONS
POCHINS MINE
LAWSON AND RILEY'S
LAWKEMLAW MINE
PIG AND WHISTLE
6M/78
6M/72
V.J WOODHOUSE & C.J SINGLETON
8M/72
QUARRY
ASHWORTHS WORKINGS
GOREYS TUNNEL
DUFFS SHAFT
QUARRY FOR CETHANA DAM WALL
HIDDEN TREASURE
PREMIER
FALLS MINE
TIN SPUR CREEK FAULT
TIN SPUR
ROAD TO LYONNA
Mossy Creek
Gallahers Creek
Tunnel Creek
Camp Creek
Washout Creek
Bull Creek
Nanrodo Creek
Bluff Creek
BULL CREEK TRACK
DOLCOATH HILL TRACK
CLIFFS

E.L. 10/76
E.L. 7/74 (SHELL - COMALCO)

## LEGEND

**CAMBRIAN**

Bull Creek Volcanics (undifferentiated)

**ORDOVICIAN**

Orc — Roland Conglomerate. – Clean boulder conglomerate cemented by fine sands. Clasts to 20cm. well baked.

Oms — Moina Sandstone. – Fairly poorly sorted sandstone some zones argillaceous – muddy. Often called Tubicular Sandstone due to presence of worm casts – Pyritic.

Omc — Thin calc – silicate zones finely banded trend along strike into skarns.

Omk — Skarn – dark green banded, hedenbergite, actinolite diopside skarns – banded, often contain significant pyrrhotite & magnetite.

Omh — Hornfels. – Dark grey–dense well baked quartzite.

Omq — Moina Sandstone. – Metamorphosed to quartzite, generally well baked–better jointed, float harder, not so leached.

Oma — Thin argillate bands within Oms.

Gossan Zone.

**DEVONIAN**

Dg — Devonian granite. Equigranular often highly greisenised with associated W, Mo, Bi and Sn.

Dqp — Quartz – porphyry dykes, often slightly greisenised – tourmalinised.

**TERTIARY**

Tg — Grey Billy. – ferruginised/silicified cemented gravels, often form outliers.

Tb — Tertiary Basalt.

5 cm
0 100 200 Metres
SCALE 1:5000

E.L.7/73 | E.L.7/74 (SHELL-COMALCO)

CRA EXPLORATION PTY. LIMITED

SHEFFIELD E.L. 7/73

# DOLCOATH GRANITE AREA
## Geology, Mines & Structure

| | | |
|---|---|---|
| Geologist G.B.W. | Scale 1:5000 | Report No. 11881 |
| Drawn T.G.D.S. | Date August, 1982. | Plan No. TAS n 110 |

Tube Number 21 Dolcoath, Nanrodo, Reward 1981-87
(EL 7/73, EL 2/1980, EL 4/1980)
Dolcoath Area Plans"
Green, D
EL2/1980, EL4/1980

03_4903

D.H.4558
D.H.4572
D.H.4574
D.H.4559
D.H.4571
D.H.4580
Tunnel Position
DH4573
BASELINE 5000N
5200 N
5400N
4800N
4600N
4400N
4200N
4000N
5000E
5100E
5200E
5300E
5500E
5400E
5700E
5600E
5800E
5900E
6000E
6100E
6200E
6300E
6400E
6500E
6600E
Nairoas Creek
Creek
66M/78
ALL NATIONS
6M/72
V.J.WOODHOUSE & C.J.SINGLETON
DOLCOATH HILL TRACK
BULL CREEK TRACK
10 Chain Road Allowed
LAKE
CETHANA
TIN SPUR
Tin Spur Creek
Tunnel Creek
Camp Creek
Washout Creek
OLIVERS ROAD / CORINNA ROAD
424 000 E.
425 000 E.
426 000 E.
427 000 E.
428 000 E.
5 407 000 N.
5 406 000 N.
5 405 000 N.
5 404 000 N.

0 100 200 Metres
SCALE 1:5000
5 cm

CRA EXPLORATION PTY. LIMITED

SHEFFIELD E.L. 7/73

DOLCOATH GRANITE AREA

ROCK GEOCHEMISTRY — LEAD

| | | | |
|---|---|---|---|
| Geologist : G.W. | Scale : 1:5000 | Report No : 11697 | |
| Drawn : T.G.D.S. | Date : August, 1982 | Plan No : TAS. h 61 | |

Tick Hut Rise 21 Dolcoath, Nonoss Reward 1981-87
EL 7/73 (1982), EL 4/79 (1982)
Mount Dockrell Area Project
Drawn D.

EL 5/79 (1982), EL 4/79 (1982)

03_4903

D.H.4558
D.H.4572
D.H.4574
D.H.4559
D.H. 4571
D.H.4580
Tunnel Position
DH4573
BASELINE 8000 N.
5400 N.
5000 N.
4800 N.
4600 N.
4400 N.
4200 N.
4000 N.
5000E
5100E
5200E
5300E
5400E
5500E
5600E
5700E
5800E
5900E
6000E
6100E
6200E
6300E
6400E
6500E
6600E
6700E
4400N
4600N
4800N
5000N
5200N
5400N
5600N
5800N
6000N
6200N
6400N
6600N
6800N
7000N
7200N
7400N
7600N
7800N
8000N
8200N
8400N
8600N
8800N
9000N
9200N
9400N
9600N
9800N
10000N
10200N
10400N
10600N
10800N
11000N
11200N
11400N
11600N
11800N
12000N
12200N

D.H.4558
D.H.4572
D.H.4574
D.H.4559
D.H. 4571
D.H.4580
Tunnel Position
D.H.4573
BASE LINE 5000N
66M/78
ALL NATIONS
6M/72
V.J.WOODHOUSE & C.J.SINGLETON
DOLCOATH HEL TRACK
SILL CREEK TRACK
Nattaway Creek
Branch
Creek
TIN
SPUR
LAKE
CETHANA
Tunnel Creek
Cabin Creek
Washout Creek
(CORINNA ROAD)
424 000 E.
425 000 E.
426 000 E.
427 000 E.
428 000 E.
5 407 000 N.
5 406 000 N.
5 405 000 N.
5 404 000 N.
0 100 200 Metres
SCALE 1:5000
5 cm

CRA EXPLORATION PTY. LIMITED

SHEFFIELD E.L. 7/73

DOLCOATH GRANITE AREA

ROCK GEOCHEMISTRY — COPPER

| | | |
|---|---|---|
| Geologist : G.W. | Scale : 1:5000 | Report No : 11891 |
| Drawn : T.G.D.S. | Date : August, 1982 | Plan No : TAS. h 59 |

Title Plan(s) Transferred 1981-87
(EL 7/73) EL5/1980, EL 41/1980
Crown Or Other Area Plan(s)
Crown Or

EL5/1980, EL41/1980

03_4903

D.H.4558
D.H.4572
D.H.4574
D.H.4559
D.H.4571
D.H.4580
Tunnel Position
DH4573
424 000 E.
425 000 E.
426 000 E.
427 000 E.
428 000 E.
5 407 000 N.
5 406 000 N.
5 405 000 N.
5 404 000 N.
BASELINE 5000 N.
3400N
3600N
3800N
4000N
4200N
4400N
4600N
4800N
5000E
5100E
5200E
5300E
5400E
5500E
5600E
5700E
5800E
5900E
6000E
6100E
6200E
6300E
6400E
6500E
6600E
6700E
Narrows Creek
Stream
Creek
I.T.C. CLAIMS
DOLCOATH HILL TRACK
BULL CREEK TRACK
66M/78
ALL NATIONS
6M/72
V.J.WOODHOUSE & C.J.SINGLETON
TIN SPUR
TIN SPUR CREEK
LAKE
CETHANA
ROAD TO CORINNA
Tunnel Creek
Cethy Creek
Washout Creek
CLIVERS
0 100 200 Metres
SCALE 1:5000
5 cm

CRA EXPLORATION PTY. LIMITED

SHEFFIELD E.L 7/73

DOLCOATH GRANITE AREA

SAMPLE LOCATION PLAN

| | | | |
|---|---|---|---|
| Geologist : G.M. | Scale : 1:5000 | Report No : 7881 | |
| Drawn : T.G.D.S. | Date : August 1982. | Plan No : TAS h-55 | |

Tube Number D1 (Dolcoath, Narrows Rivulet 1981-87
(EL 7/77?), EL3/79(86), EL 4/81(83)
Bore Core Samples Held "Back"
Green, D.

EL3/79(86), EL4/81(83)

03_4903

D.H.4558
D.H.4572
D.H.4574
D.H.4559
D.H.4571
D.H.4580
Tunnel Position
D.H.4573
424 000 E.
425 000 E.
426 000 E.
427 000 E.
428 000 E.
5 407 000 N.
5 406 000 N.
5 405 000 N.
5 404 000 N.
BASELINE
3000 N.
4200 N.
4400 N.
4600 N.
5000E
5100E
5200E
5300E
5400E
5500E
5600E
5700E
5800E
5900E
6000E
6100E
6200E
6300E
6400E
6500E
6600E
6700E
Nairrana Creek
Breakfast Creek
DOLCOATH HILL TRACK
TIN SPUR
66M/78
ALL NATIONS
6M/72
V.J. WOODHOUSE & C.J. SINGLETON
LAKE
CETHANA
BULL CREEK TRACK
Tunnel Creek
Camp Creek
Woodhouse Creeks
ROAD TO CRADLE MOUNTAIN

LEGEND:
- ≥ 110 p.p.m.
- 50 – 110 p.p.m.
- 30 – 50 p.p.m.
- 15 – 30 p.p.m.

0 100 200 Metres
SCALE 1:5000
5 cm

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DOLCOATH GRANITE AREA

SOIL GEOCHEMISTRY — TIN

| | | | |
|---|---|---|---|
| Geologist : G.W. | Scale : 1:5000 | Report No. : 11881 | |
| Drawn : T.G.D.S. | Date : Dec. 1982 | Plan No. : TAS.h 56 | |

3.2pt Lucida 21 Dolcoath - Frozen - Rewed 1981-87
Plotted: 11-Dec-87 (LOG 4.71180)
Plotter: Dennis Asia Pacific
Drawn: D
ESRI 1980, ELA 111983

03_4903




03_4903

Tube Number 21 Dolcoath, Narrows Reward 1981-87
(EL.7/1973, EL29/1985, EL 41/1983)
Place Dome Asia Pacific
Green, D.

EL29/1985, EL41/1983

03_4903

Tube Number 21: Dolcoath, Narawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983



03_4903
Tube Number 21: Dolcoath, Norawa Reward 1981-87
(EL 7/1973, EL26/1985, EL 41/1983)
Placer Dome Asia Pacific*
Green, D. EL26/1985; EL41/1983






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DOLCOATH GRANITE AREA

SOIL GEOCHEMISTRY-MOLYBDENUM

| | | |
|---|---|---|
| Geologist : G.W. | Scale : 1:5000 | Report No : 11881 |
| Drawn : T.G.D.S. | Date : August, 1982 | Plan No : TAS.h 112 |

03-4903