

H 59

3000 E

2975 E

2950 E

2925 E

2900 E

2875 E

2850 E

2025 N

2000 N

1975 N

1950 N

1925 N

NOVAMIN RESOURCES INC.
RUNDLE MINE

SURFACE

63.5219

BLOCK No. 6 (1900 N - 2850 E)	SCALE: 1:200
DRAWN BY: _____	REVISED BY: _____
CHECKED BY: _____	CHECKED BY: _____
DATE: _____	DATE: _____

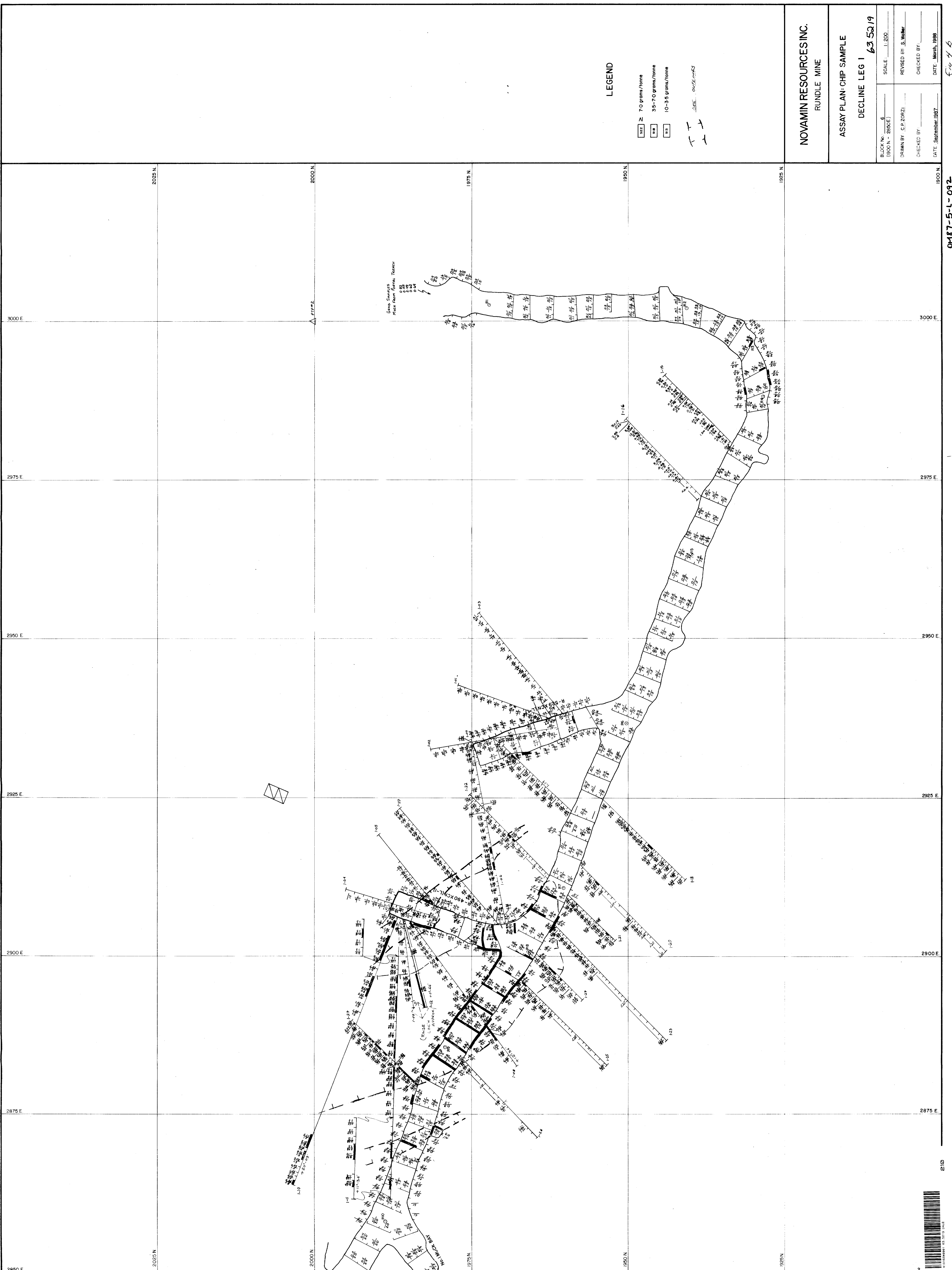
0487-5-L-012

EG00



NOVAMIN RESOURCES INC.

Fig 1/c

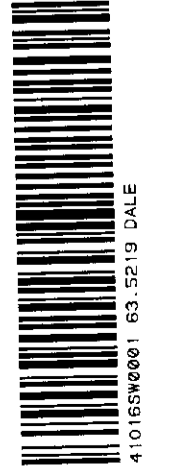


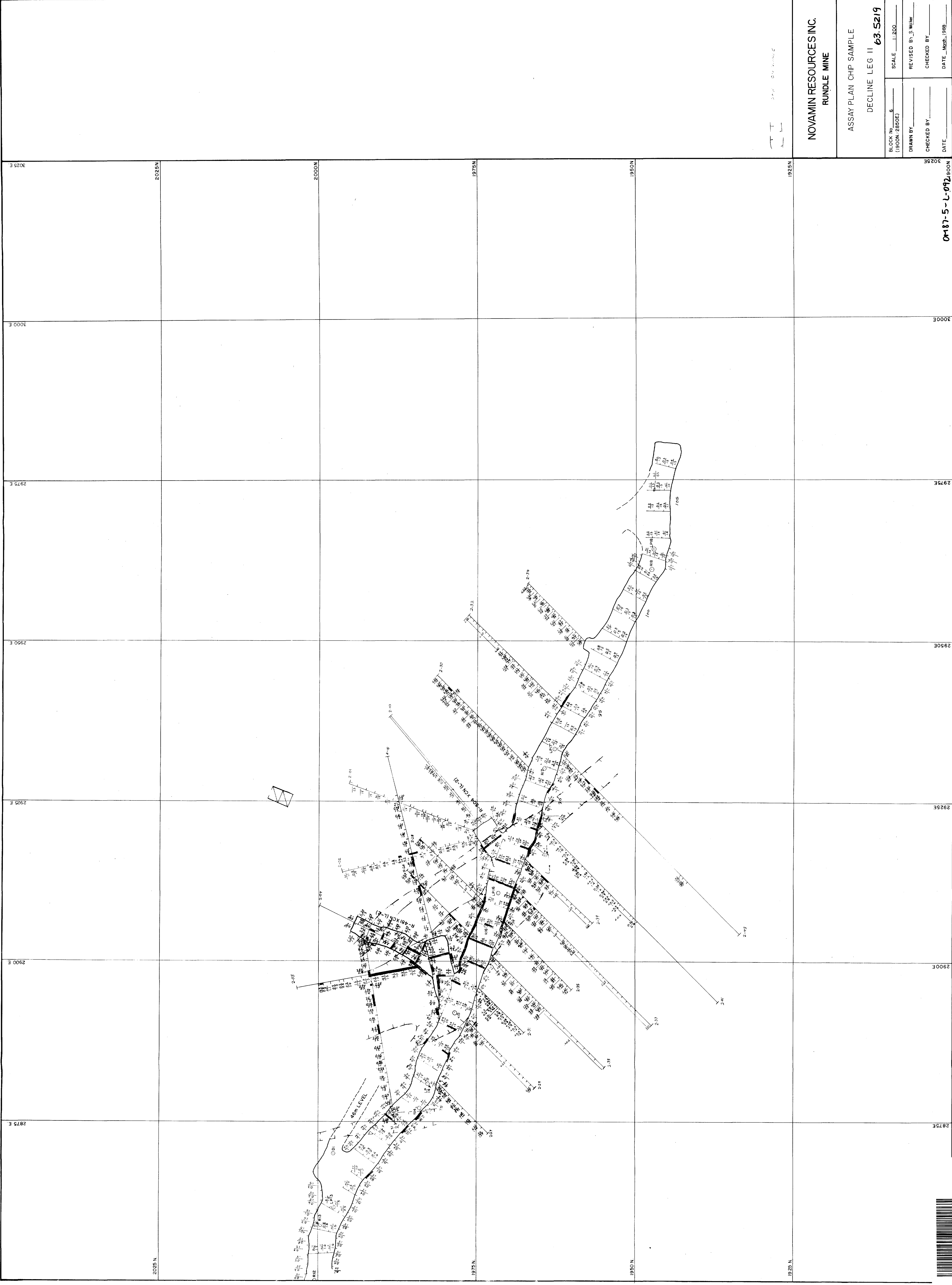
NOVAMIN RESOURCES INC.
RUNDLE MINE

ASSAY PLAN: CHIP SAMPLE
DECLINE LEG 1 63 52/19

BLOCK No. 6
(1900 N - 2850 E)
SCALE 1:200
DRAWN BY C.P. ZORZI
CHECKED BY S. WILHELM
DATE September 1987

0-187-5-L-092





NOVAMIN RESOURCES INC.
RUNDLE MINE

ASSAY PLAN CHIP SAMPLE

DECLINE LEG II **63-5219**

BLOCK No. 6
(1900N-2850E) SCALE 1:200

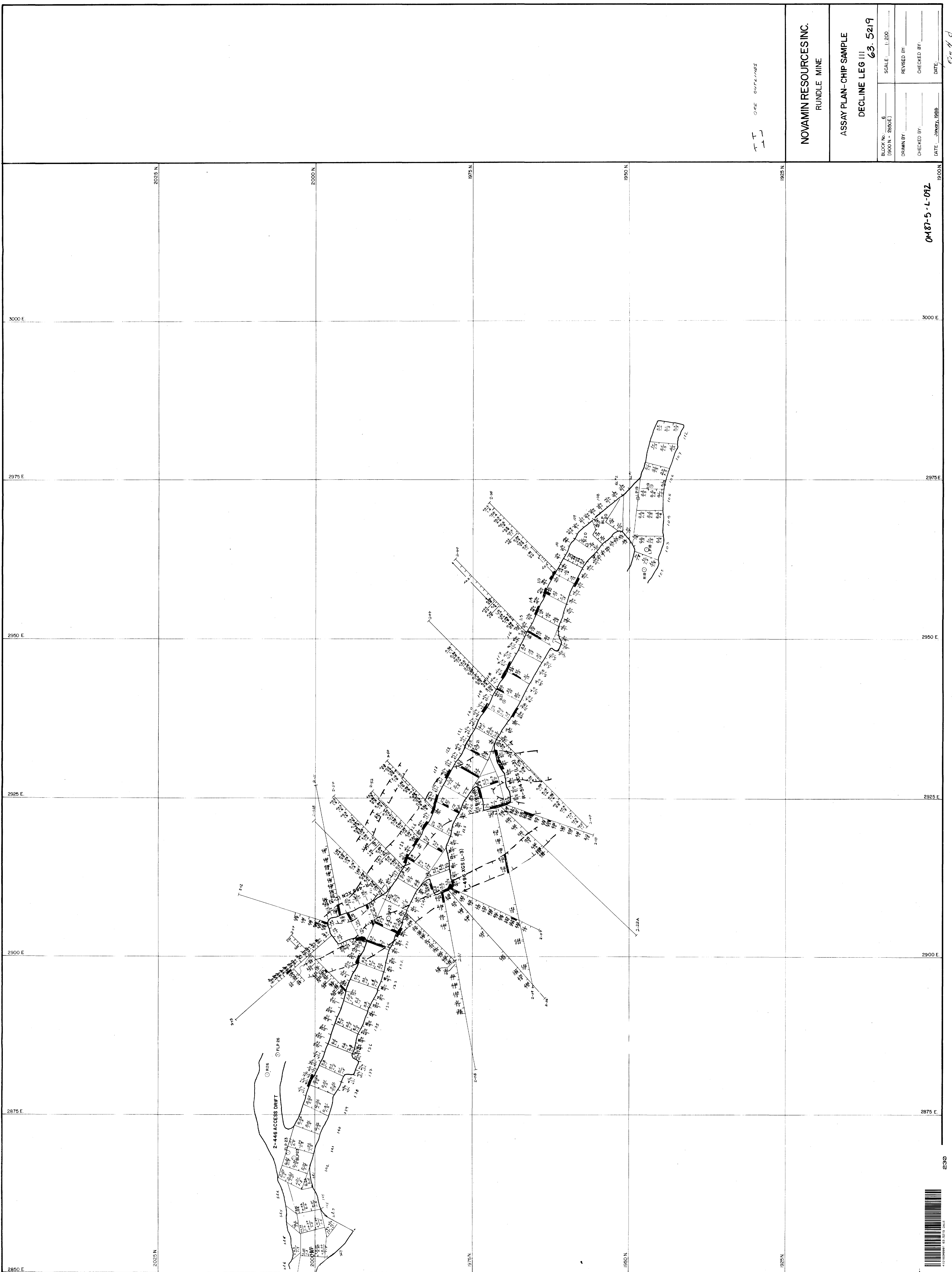
DRAWN BY _____ REVISÉ BY J.S. WILM

CHECKED BY _____ CHECKED BY _____

DATE _____ DATE MARCH 1988

0-187-5-2-092





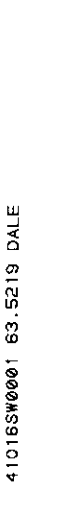
T T ORE OUTLINES

NOVAMIN RESOURCES INC.
RUNDLE MINE

ASSAY PLAN-CHIP SAMPLE
DECLINE LEG III
63. 5219

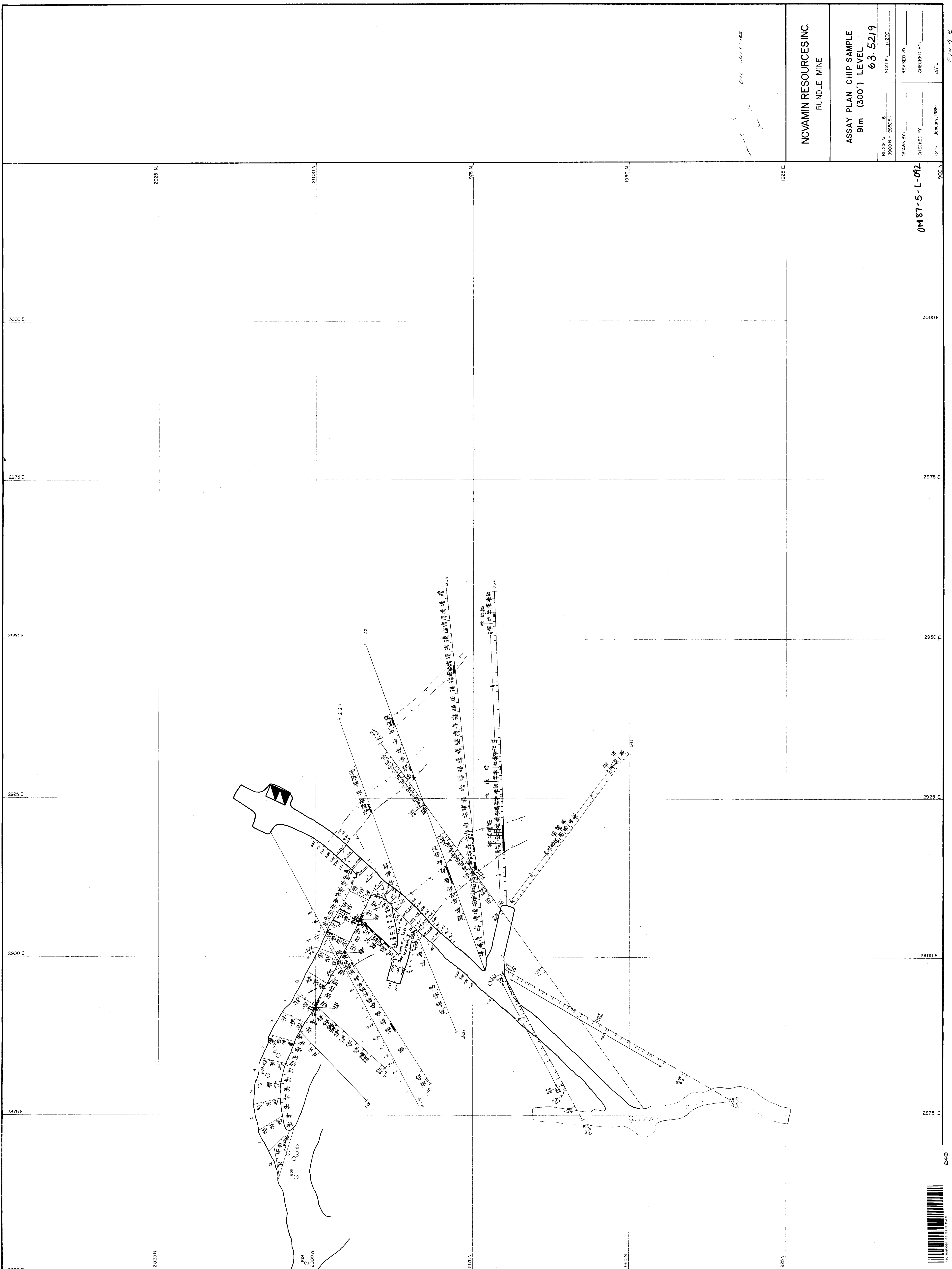
BLOCK No. 6 (1900 N - 2025 E)	SCALE 1:200
DRAWN BY	REVISED BY
CHECKED BY	CHECKED BY
DATE JUN 27, 1988	DATE

0487-5-L-092



410100000 02.519 001

Fig 4 d



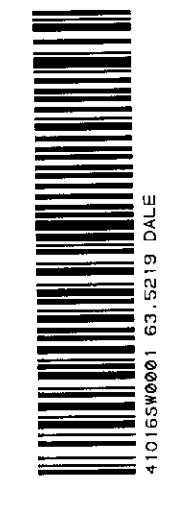
NOVAMIN RESOURCES INC.
RUNDLE MINE

ASSAY PLAN CHIP SAMPLE
91m (300') LEVEL
63.5219

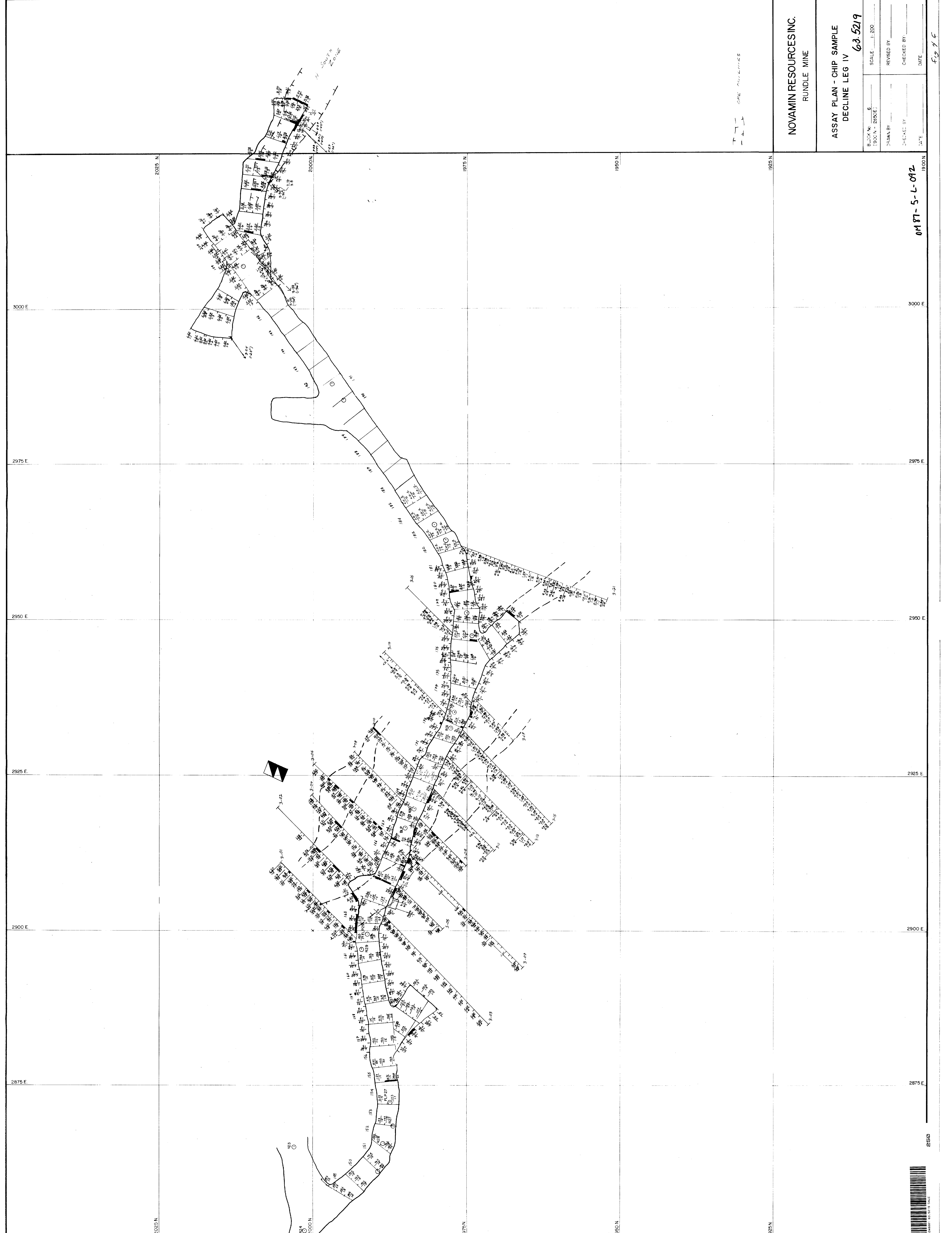
BLOCK No. 6 (1900 N - 2000 E)	SCALE 1:200
DRAWN BY	REVISED BY
CHECKED BY	CHECKED BY
DATE January, 1988	DATE

0M87-5-L-092

File



410308881 83.0219 SCALE



NOVAMIN RESOURCES INC.
RUNDLE MINE

ASSAY PLAN - CHIP SAMPLE
DECLINE LEG IV
63.5219

BLOCK No. 6 (900 N - 2850 E)	SCALE 1:500	REVISED BY	CHECKED BY	DATE
DRAWN BY				
CHECKED BY				
DATE				

0187-5-L-092
1800 N

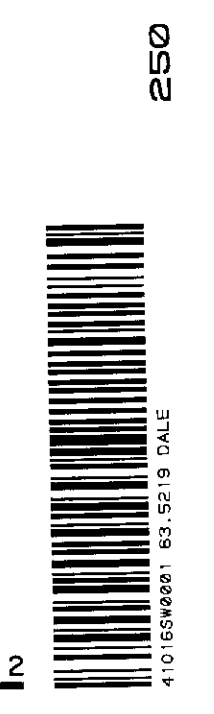
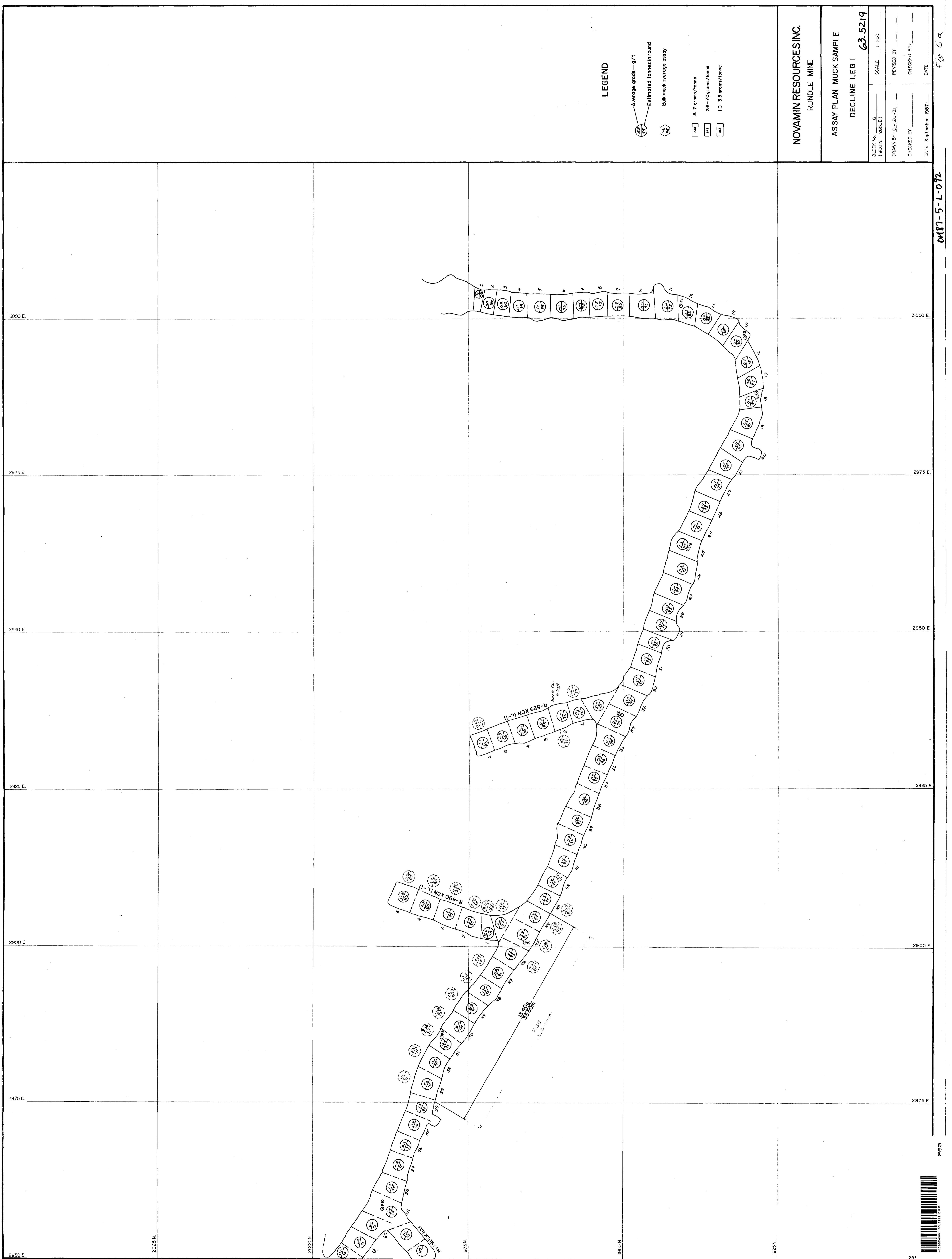


Fig 7.5



NOVAMIN RESOURCES INC.
RUNDLE MINE

ASSAY PLAN MUCK SAMPLE
DECLINE LEG 1

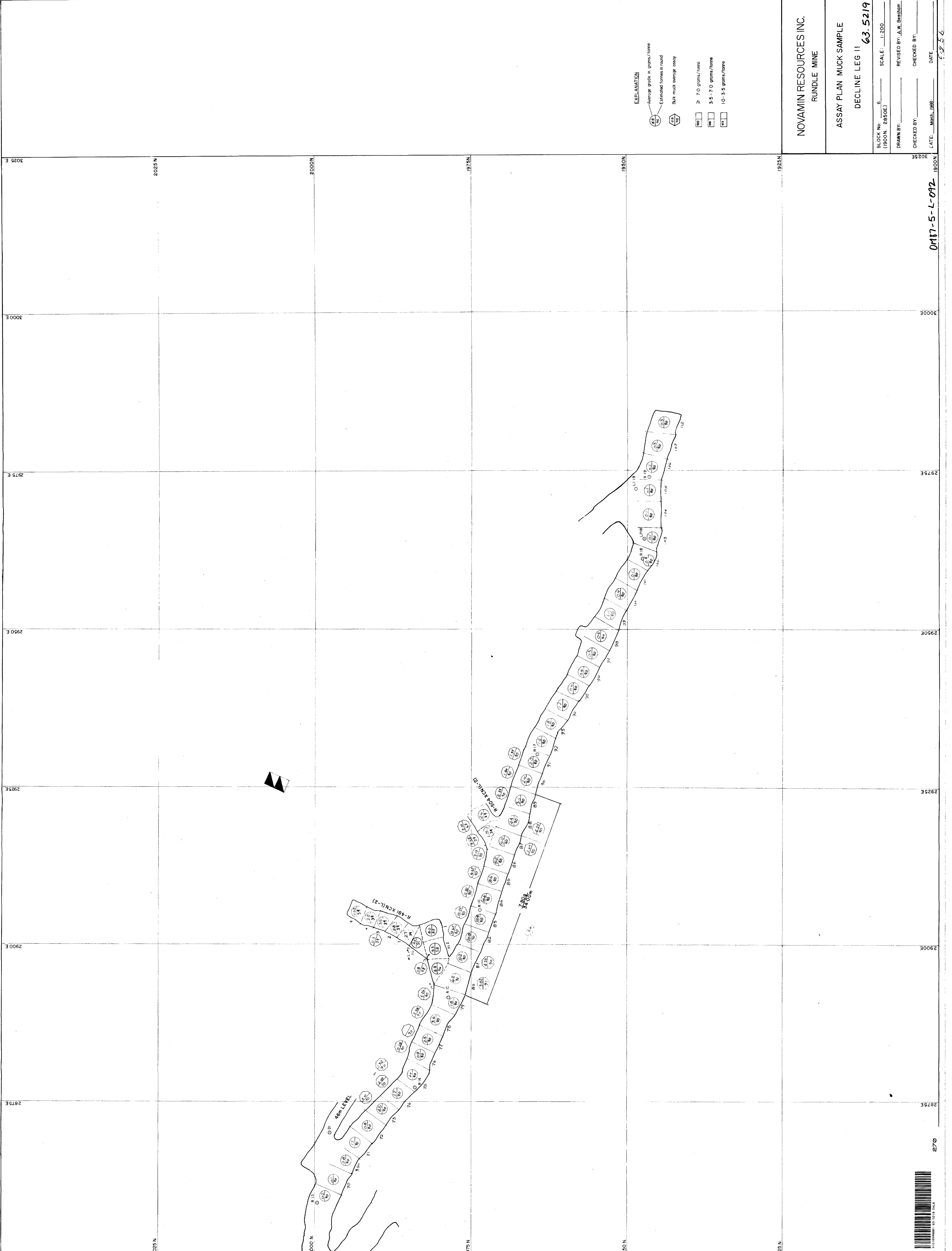
63.5219

BLOCK No. (9000 N - 2850 E)	SCALE 1:200
DRAWN BY C.P. ZORZI	REVISED BY
CHECKED BY	CHECKED BY
DATE September 1997	DATE

0187-5-L-012

Fig 5A





EXPLANATION

- Average grade in grams/tonne
- Estimated tonnes in round
- Bulk muck average assay

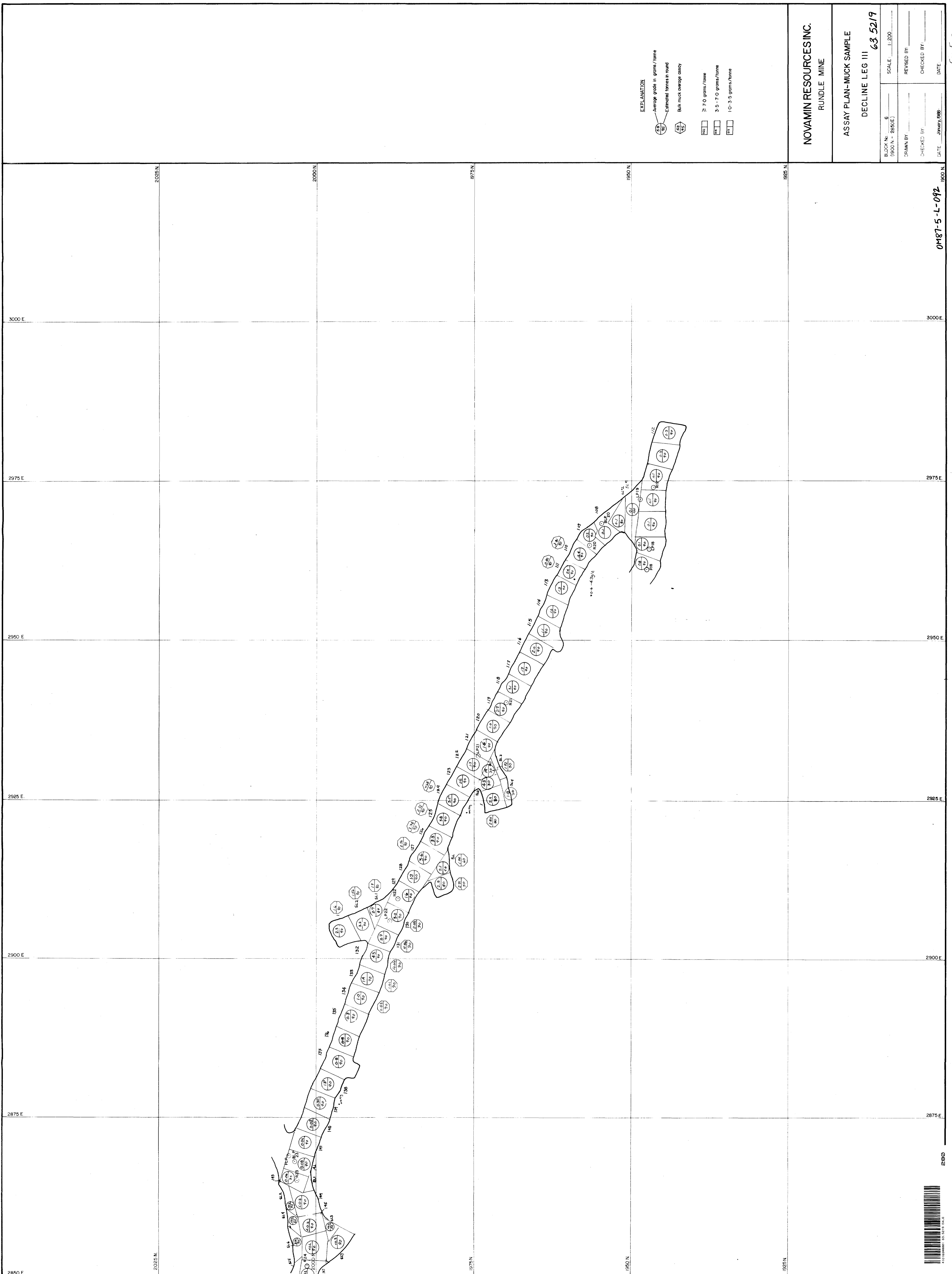
[Symbol] ≥ 7.0 grams/tonne
 [Symbol] 3.5 - 7.0 grams/tonne
 [Symbol] 10 - 3.5 grams/tonne

NOVAMIN RESOURCES INC.
RUNDLE MINE

ASSAY PLAN MUCK SAMPLE
DECLINE LEG II **63.5219**

BLOCK No: 6 SCALE: 1:200
(1900N, 2850E)

DRAWN BY: _____ REVISOR: J.W. Beetham
CHECKED BY: _____ DATE: _____



NOVAMIN RESOURCES INC.
RUNDLE MINE

ASSAY PLAN - MUCK SAMPLE
DECLINE LEG III

63 5219

BLOCK No: 6
(1900 N - 2850 E)

SCALE: 1:200

DRAWN BY: _____

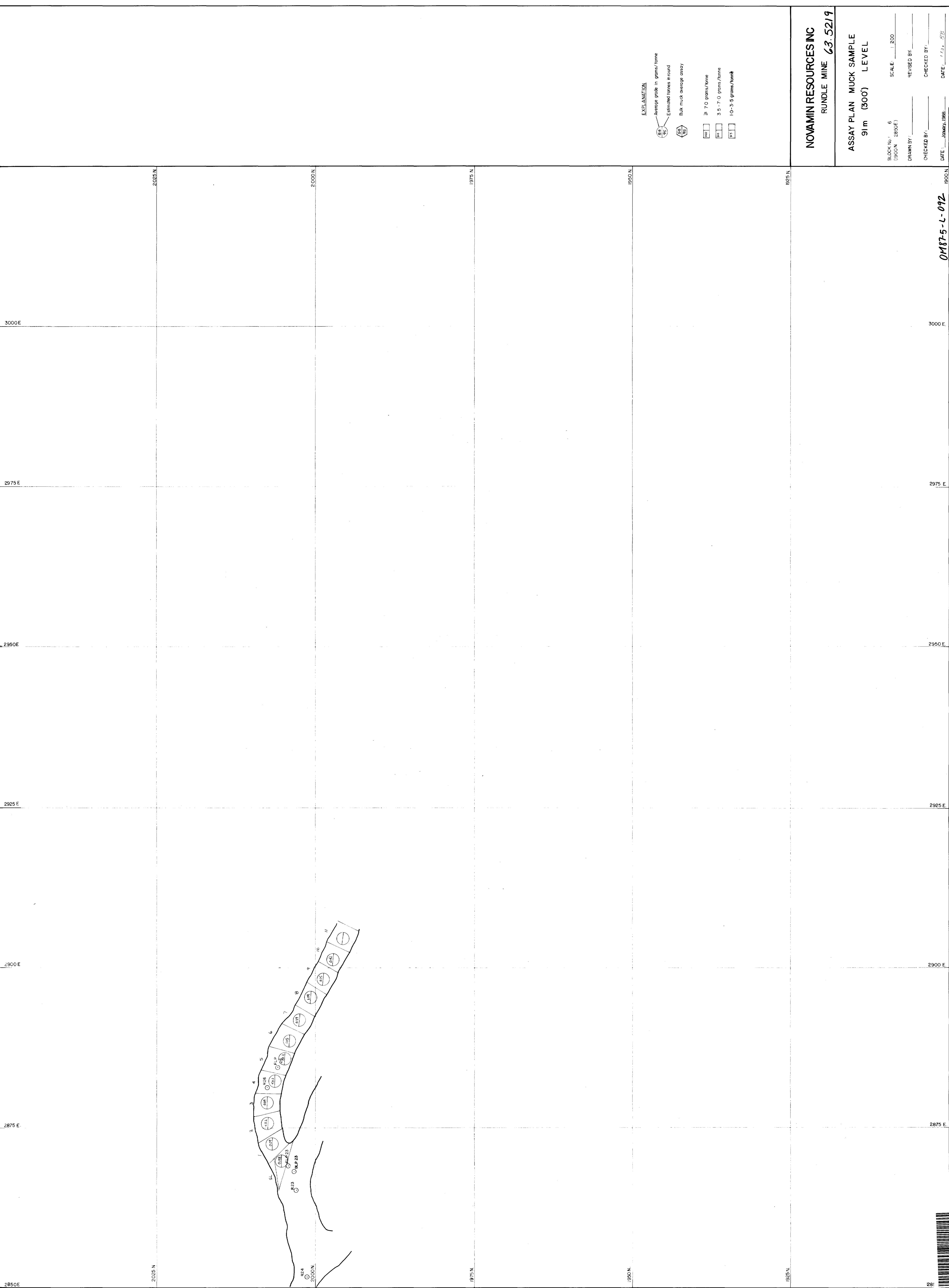
CHECKED BY: _____

DATE: January 1988

0M87-5-L-092

fs 5 c





NOVAMIN RESOURCES INC
RUNDLE MINE 63.5219

ASSAY PLAN MUCK SAMPLE
91m (300') LEVEL

BLOCK No. 6
 (1900N - 2850E) SCALE: 1:200

DRAWN BY: _____ REUSED BY: _____

CHECKED BY: _____ CHECKED BY: _____

DATE: _____ DATE: _____

0M87-5-L-072

3000 E

2975 E

2950 E

2925 E

2900 E

2875 E

2850 E

2025N

2000N

1975N

1950N

1925N

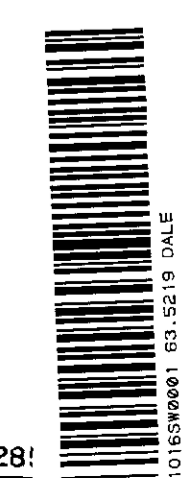
2025N

2000N

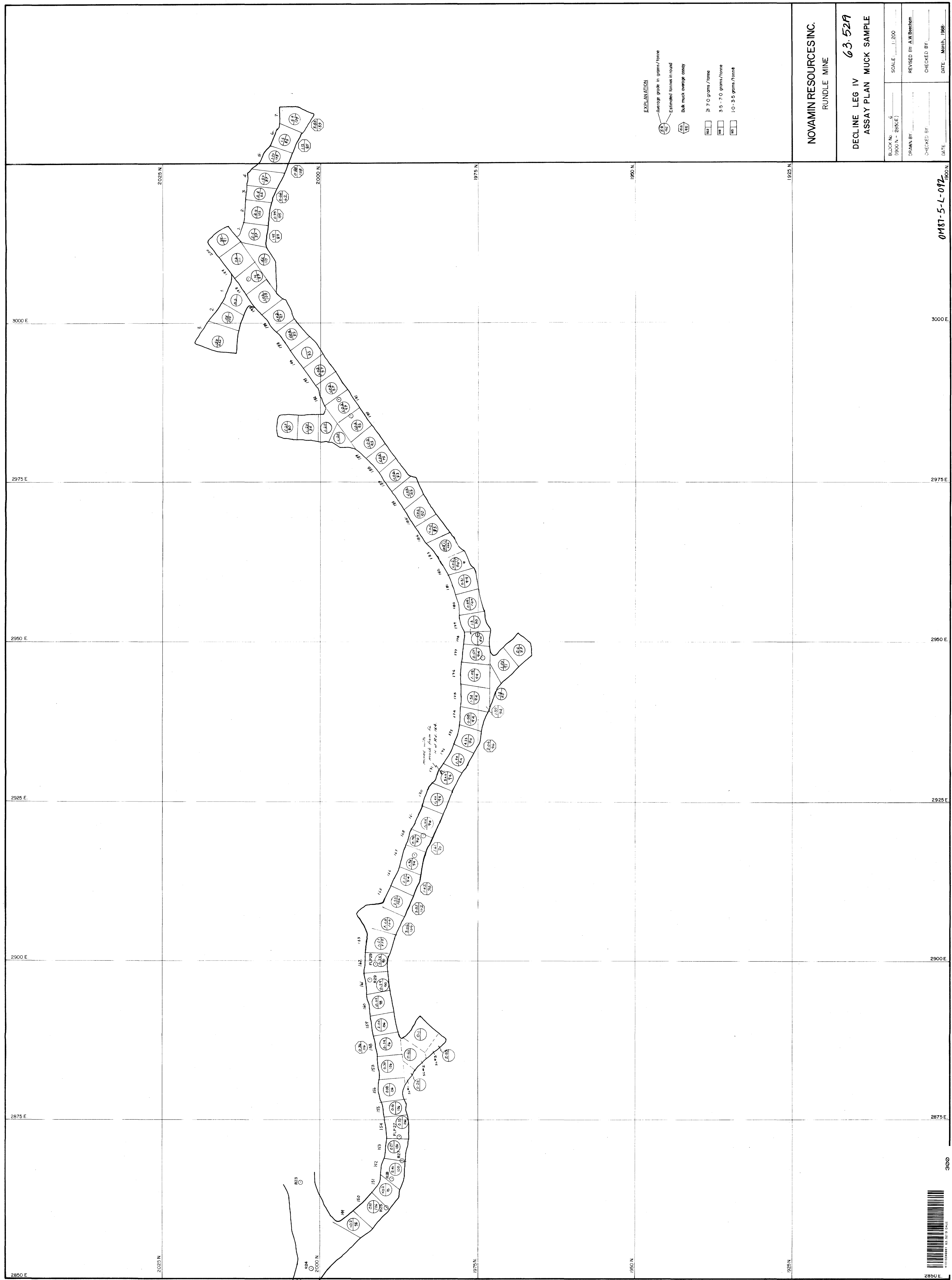
1975N

1950N

1925N



fs 5 d



NOVAMIN RESOURCES INC.
RUNDLE MINE

DECLINE LEG IV 63.52A
ASSAY PLAN MUCK SAMPLE

BLOCK No. 6 (1900 N - 2850 E)
SCALE 1:200

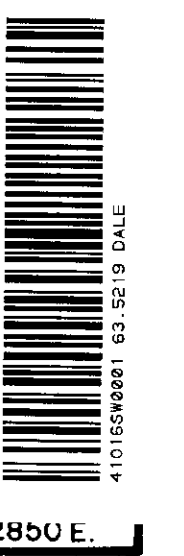
DRAWN BY
CHECKED BY
DATE

REVISED BY A.W. Eberham
CHECKED BY
DATE

March, 1988

0181-5-L-092

5000



LEGEND

1a	Mafic volcanics
1d	Pillowed
1b	Sheared mafic volcanics
1c	Coarse grained mafic volcanics
1k	Ultramafic volcanics
1n	Talc-chlorite-carbonate schist
3a	Fine grained mafic dykes
3b	Coarse grained mafic dykes
3c	Microdiorite
3d	"Dacite" dyke
4a	Argillite - siltstone
4b	Gneissic - massive; amphibolized
4c	Chert
4e	Exhalite
5a	Grey felsic porphyry
5b	Altered red felsic porphyry
5c	Fine grained felsic dyke, quartz
5e	Hornblende, felsic porphyry
5i	"Hybrid" rock, intrusive breccia of 5a or 5b + 1a
6a	Feldspar rock, jasperite
6b	Carbonate rock, carbonatized ultramafic
6c	Sericite schist
7a	Late diabase
7b	Lamprophyre (biotite, hornblende)
q.v.	Quartz vein
q.v.s	Quartz vein stockwork
q.c.	Quartz carbonate

ABBREVIATIONS

al	Albite
bio	Biotite
chl	Chlorite
cp	Chalcopyrite
epid	Epidote
f.p.	Feldspar porphyry
gr	Granite
h.c.	Hornblende
mt	Monazite
pl	Pillowed
py	Pyrite
ser	Sericite
sil	Silicified
sp	Spinel
vs	Visible gold

SYMBOLS

Suphides >2%	Suphides >10%
Light grey alteration	Carbonatization
Sericite	"Hybrid rocks" (intrusive breccia)
Contacts	Outline of mineralization or values
Pillows	Fault
Fractures	



NOVAMIN RESOURCES INC.
RUNDLE MINE

GEOLOGY 63.5219
DECLINE - LEG I

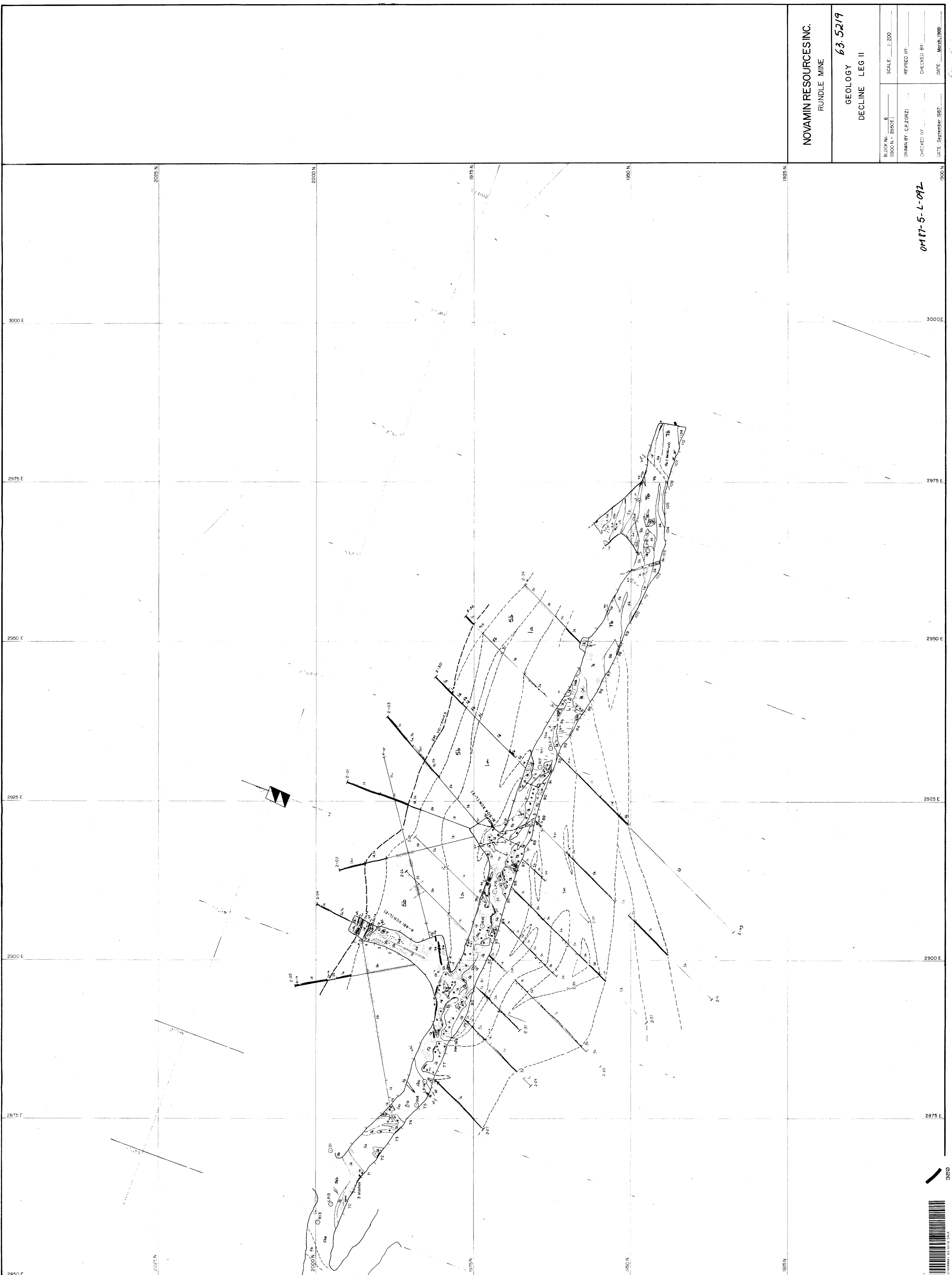
BLOCK NO. 6
 (1900 N, 2880 E)

SCALE 1:200

REVISED BY: _____
 CHECKED BY: _____
 DATE: January, 1988

0187-5-L-092





NOVAMIN RESOURCES INC.
 RUNDLE MINE

GEOLOGY
 DECLINE LEG II

63.5219

BLOCK No. 6
 (1900 N. - 2850 E.)

SCALE 1:500

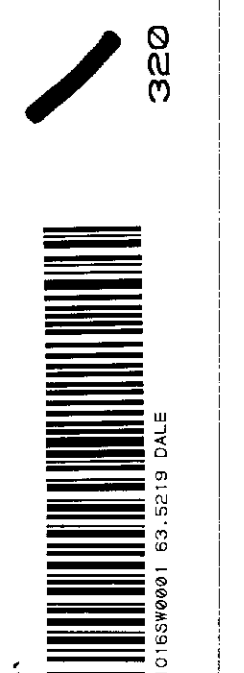
REVISOR BY
 C.P. ZORZI

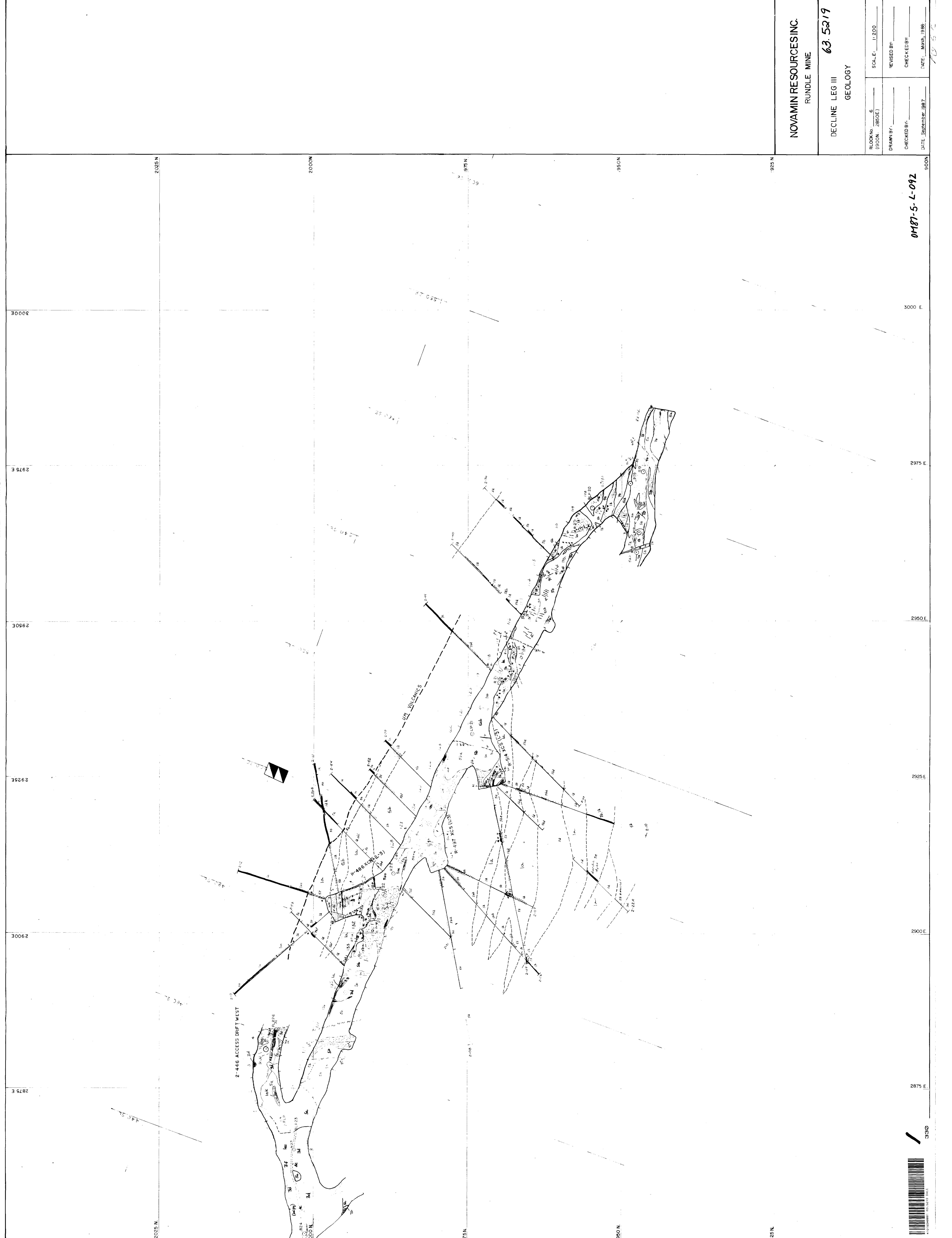
CHECKED BY

DATE September 1987

DATE March 1988

0187-5-L-092





NOVAMIN RESOURCES INC.
RUNDLE MINE

DECLINE LEG III
GEOLOGY

63 5219

BLOCK No. 6 (1900N, 2850E)	SCALE: 1:200
DRAWN BY: _____	REVISED BY: _____
CHECKED BY: _____	CHECKED BY: _____
DATE: September 1987	DATE: March 1988

0187-5-L-092

3000 E

2975 E

2950 E

2925 E

2900 E

2875 E

1975 N

1980 N

1985 N

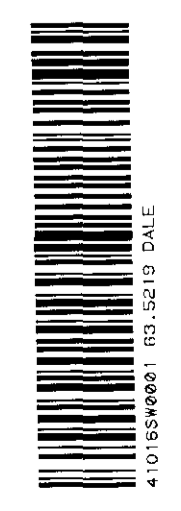
1990 N

1995 N

2000 N

2005 N

3300



LEGEND

- 1a Mafic volcanics
- 1d Pillowed
- 1b Sheared mafic volcanics
- 1c Coarse grained mafic volcanics

- 1k Ultramafic volcanics
- 1n Talc-epidote-carbonate schist

- 5a Fine grained mafic dykes
- 5b Coarse grained mafic dykes
- 5c Microdiorite
- 5d "Duché" dyke

- 4a Amphibole-siltstone
- 4b Greywacke-massive; amphibolized
- 4c Chert
- 4e Extrusive

- 5a Gray felspar porphyry
- 5b Altered red felspar porphyry
- 5c Fine grained felsic dyke, apite
- 5d Hornblende, felspar porphyry
- 5e "Hybrid" rock, intrusive breccia of 5a or 5b + 1a

- 6a Felspar rock, jagrite
- 6b Carbonate rock, carbonatized ultramafic
- 6c Sericite schist

- 7a Late diabase
- 7b Lamprophyre (bonite, hornblende)

- q.v. Quartz vein
- q.v.s. Quartz vein stockwork
- q.c. Quartz carbonate

ABBREVIATIONS

- bio Biotite
- chl Chlorite
- chi Chert
- cp Chalcopyrite
- epid Epidote
- f.p. Felspar porphyry
- gr Graptolite
- h Hornblende
- mt Magnetite
- pl Pillowed
- py Pyrite
- ser Sericite
- sil Siltstone
- sk Shale
- vs. Volcanic sandstone

SYMBOLS

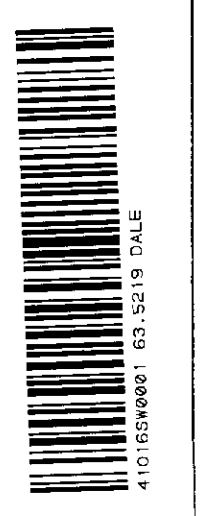
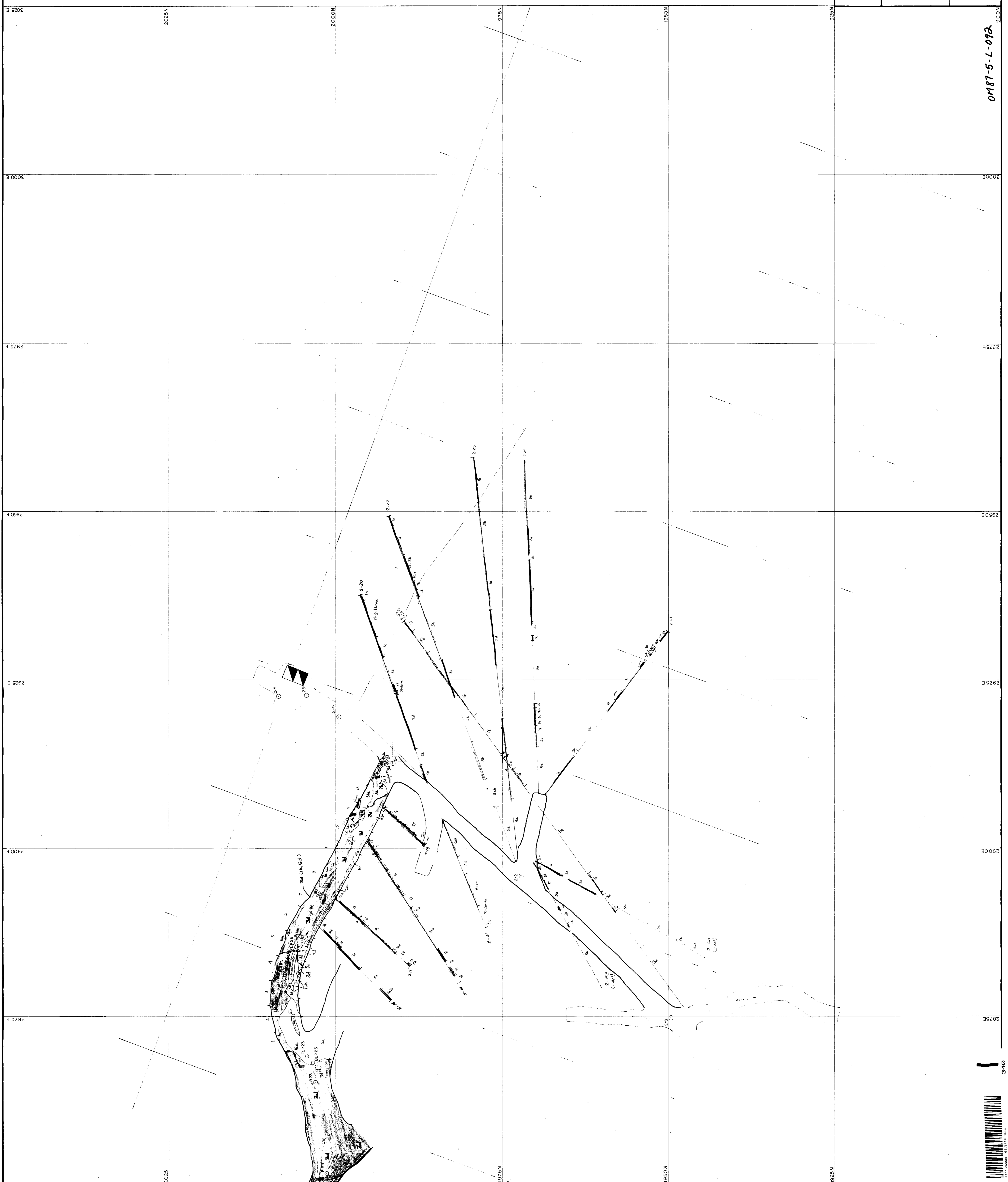
- Suphides >2%
- Suphides >10%
- Light grey alteration
- Carbonatization
- Sericite
- "Hybrid rocks" (intrusive breccia)
- Contacts
- Outline of mineralization or values
- Pillows
- Fault
- Fractures

NOVAMIN RESOURCES INC.
RUNDLE MINE

91m (300') LEVEL
GEOLOGY 63.52/19

BLOCK No. 6 (1900 N. 2850 E.)	SCALE 1:200
DRAWN BY	REVISOR BY
CHECKED BY	CHECKED BY
DATE January, 1988	DATE

0187-5-L-092



LEGEND

- 1a Mafic volcanics
- 1b Pillowed
- 1c Sheared mafic volcanics
- 1d Coarse grained mafic volcanics

- 1k Ultramafic volcanics
- 1l Talc-carbonate-carbonate schist

- 3a Fine grained mafic dykes
- 3b Gabbro
- 3c Metadiabase
- 3d "Dacite" dyke

- 4a Argillite - siltstone
- 4b Greywacke - massive, unmetamorphosed
- 4c Chert
- 4e Esthelle

- 5a Grey feldspar porphyry
- 5b Altered, red feldspar porphyry
- 5c Fine grained felsic dyke, quartz hornblende, feldspar porphyry
- 5d "Hybrid" rock, intrusive breccia of 5a or 5b

- 6a Feldspar rock, pagette
- 6b Carbonate rock, carbonatized ultramafic
- 6c Sericite schist

- 7a Late diabase
- 7b Lamprophyre (basite, hornblende)

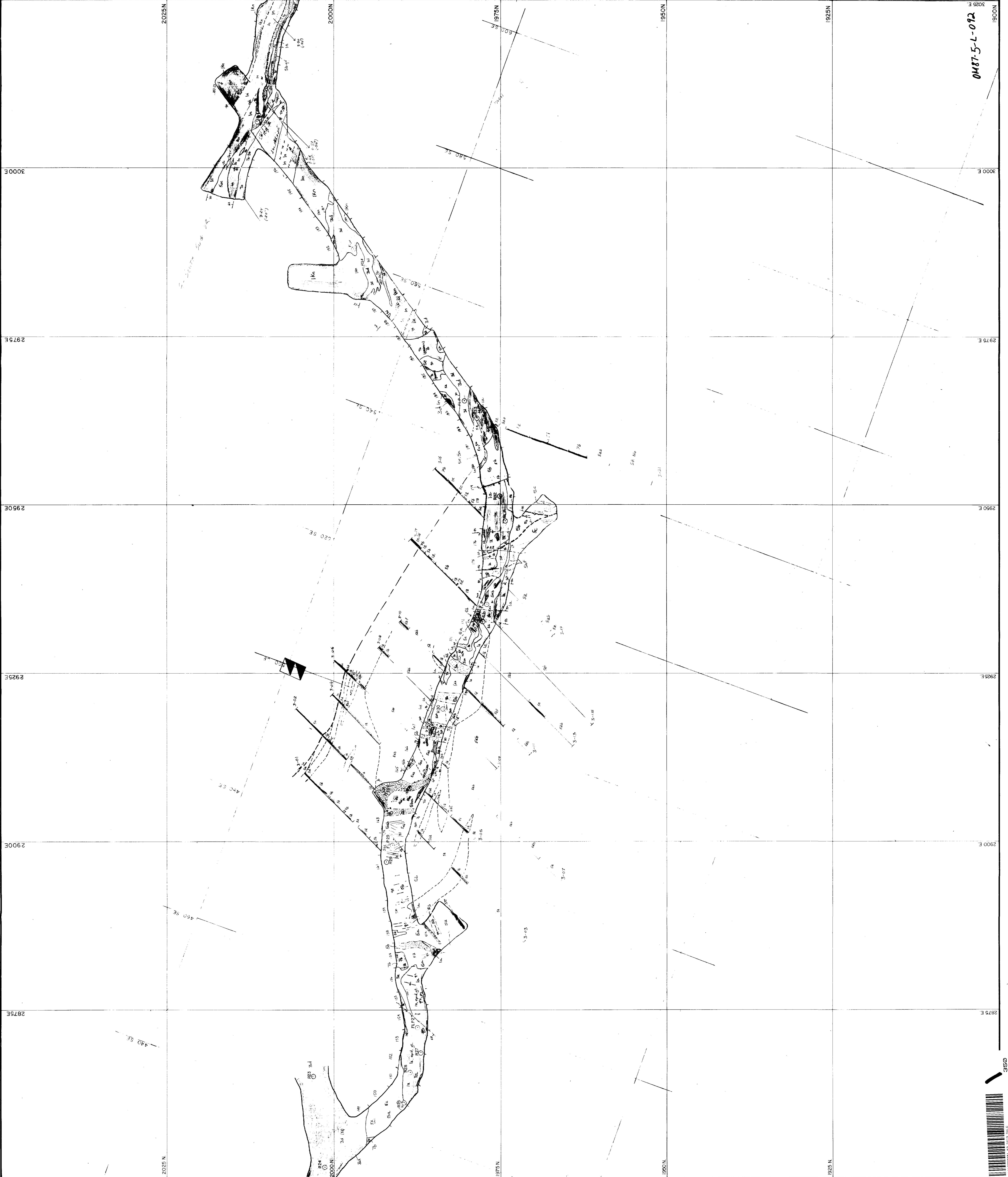
- q.v. Quartz vein
- q.w. Quartz with stockwork
- q.c. Quartz carbonate

ABBREVIATIONS

- alt Altered
- bio Biotite
- chl Chlorite
- cp Chloropyrite
- epi Epidote
- epsp Epidote-sphalerite porphyry
- gf Garnet
- gf Spinel (G)
- hem Hematite
- mt Magnetite
- pl Pyrite
- py Pyrite
- ser Sericite
- sp Spinel
- stf Sulfide
- stx Sulfide
- vg Visible gneiss

SYMBOLS

- Supracrustals >2%
- Supracrustals >10%
- Light grey alteration
- Carbonatization
- Sericite
- "Hybrid rocks" (intrusive breccia)
- Contacts
- Outline of mineralization or values
- Pillows
- Fault
- Fractures



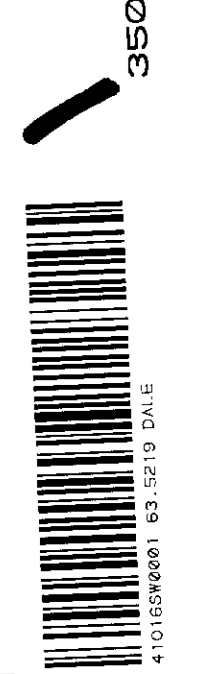
NOVAMIN RESOURCES INC.
RUNDLE MINE

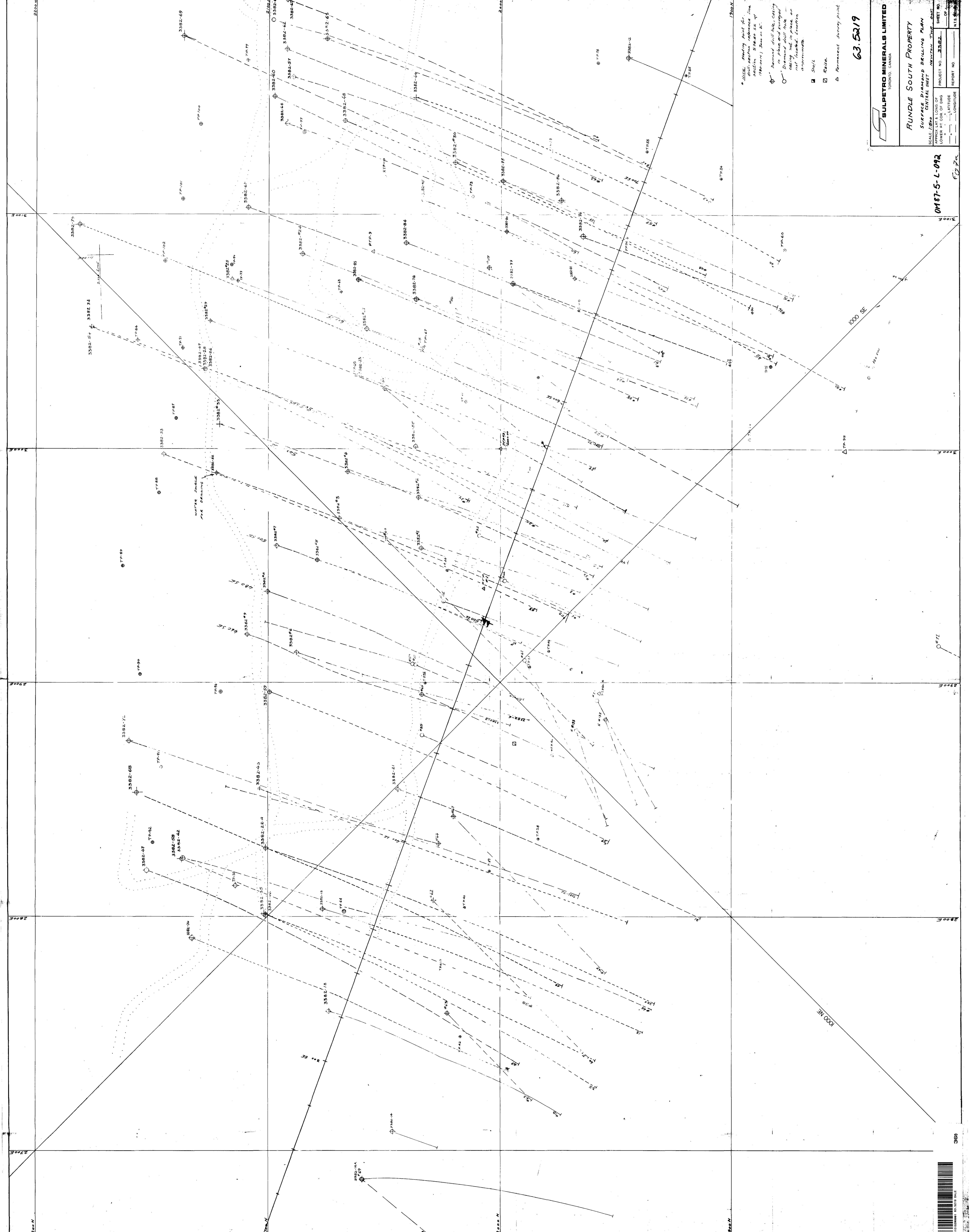
DECLINE LEG IV
GEOLOGY

63-5219

BLOCK No. 6 (1950 N - 2860 E)	SCALE 1:200
CHECKED BY: _____	REVISION BY: _____
CHECKED BY: _____	CHECKED BY: _____
DATE: _____	DATE: _____

0487-5-L-092



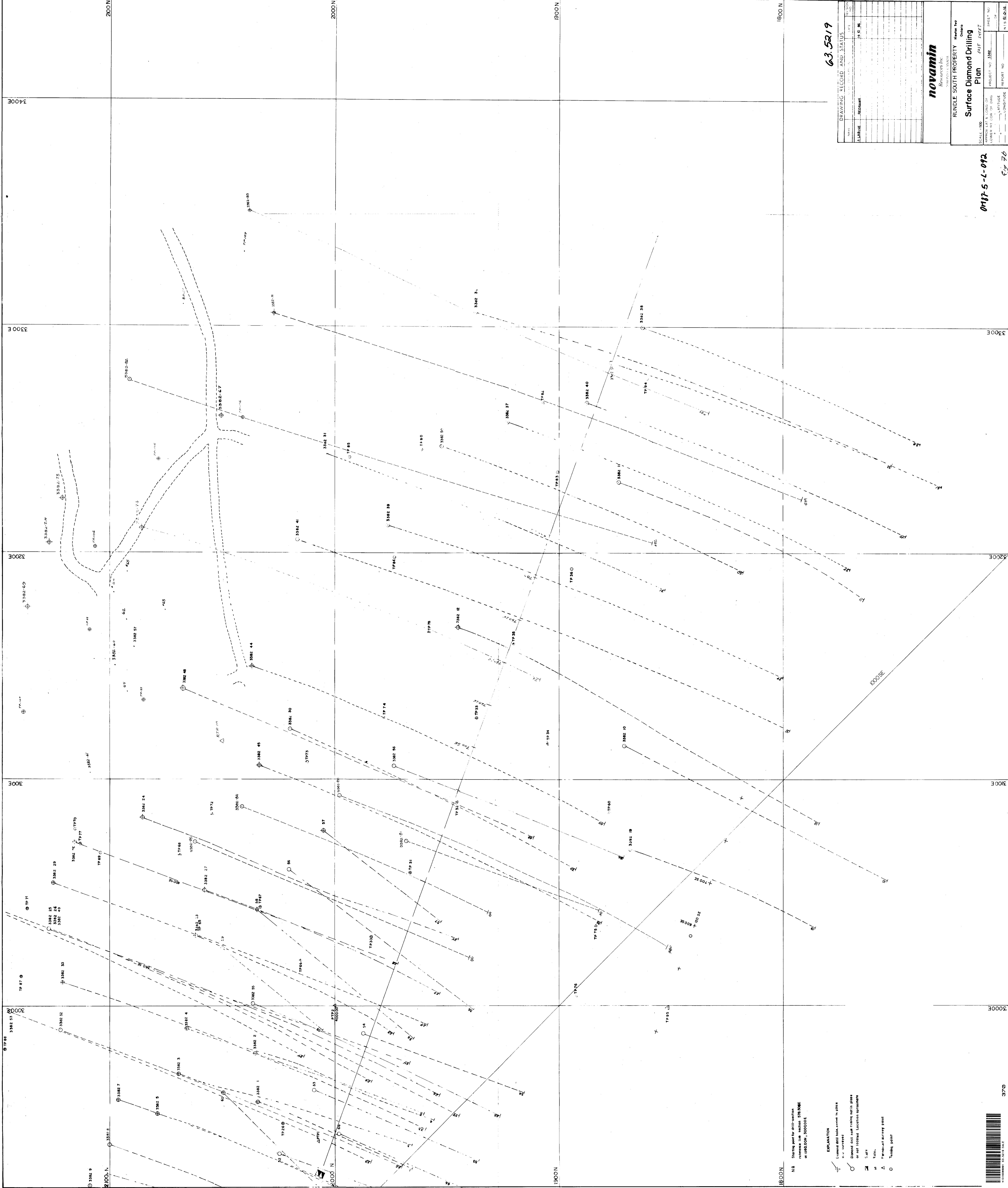


* SEE Standing Point for
 drill-section reference line
 section 500m SE of
 (Reference) Section 21.
 * Diamond drill hole, casing
 in place and surveyed
 * Diamond drill hole -
 casing not in place or
 surveyed
 * Survey point
 * Reuse
 * Permanent survey point

BULPETRO MINERALS LIMITED
 TORONTO, CANADA
RUNDLE SOUTH PROPERTY
SURFACE DIAMOND DRILLING PLAN
 CENTRAL SHEET
 SCALE 1:500
 APPROX. LAT & LONG OF
 LOWER RT COR OF DRG
 PROJECT NO. 0187-5-L-092
 SHEET NO. 0187-5-L-092-01
 DATE
 REPORT NO. NTS 63.5219

0187-5-L-092





63.5219

DRAWING RECORD AND STATUS	
DATE	11/11/09
BY	J.M.
CHECKED BY	J.M.
DATE	11/11/09
APPROVED BY	J.M.
DATE	11/11/09
SCALE	AS SHOWN
PROJECT NO.	3382
REPORT NO.	3382
REVISION	
DATE	
BY	
DESCRIPTION	

novamin
Resources Inc.

RUNDLE SOUTH PROPERTY
Surface Diamond Drilling
Plan SHEET 26

SCALE: 1:50
LOWER BY COR. OF 2000
ELEVATION
REPORT NO. 3382

0117-5-L-012
63.5219

N.B. Starting point for drill section reference line section 3382.0000E or 1000.0000N, 3000.0000E

EXPLANATION

- Circle with crosshair: Existing drill hole, common to piece of survey
- Circle with dot: Diamond drill hole casing not in place or not located location uncertain
- Square: Staff
- Triangle: Temporary survey point
- Circle: Turning point

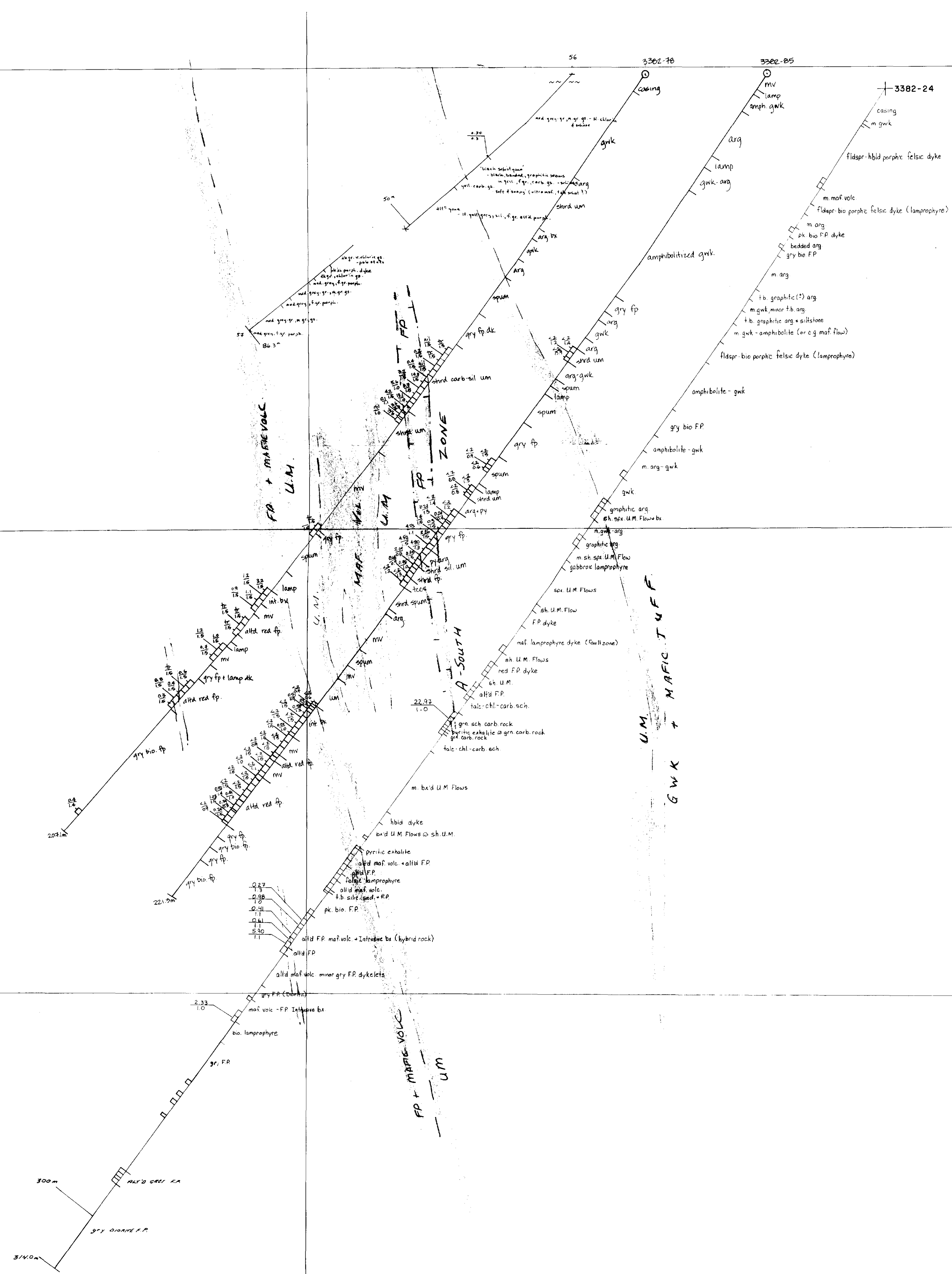


4000m

3800m

3600m

3700m



63.5219

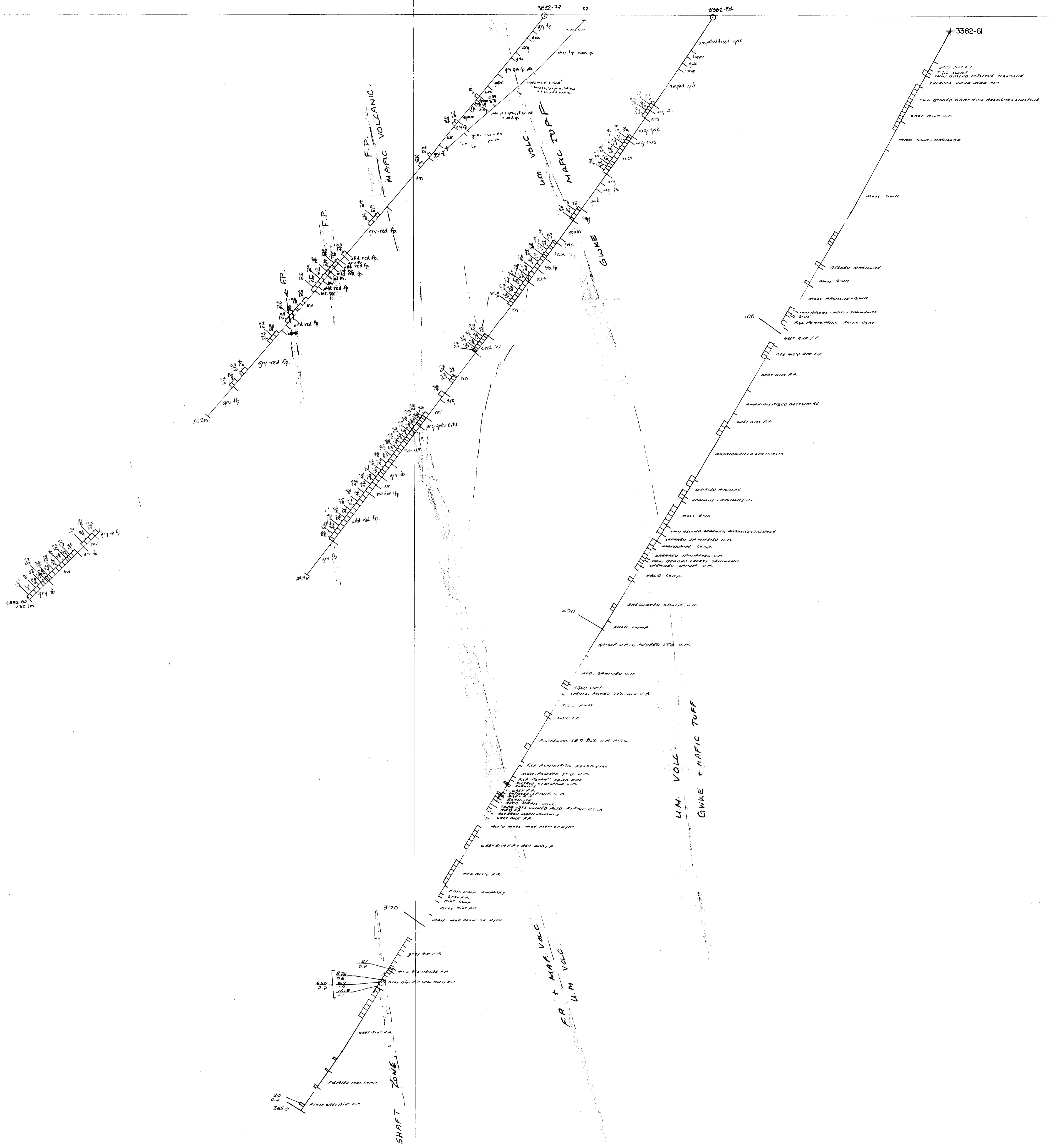
SECTION 620 SE
Fig 8a

0M87-5-L-092



380

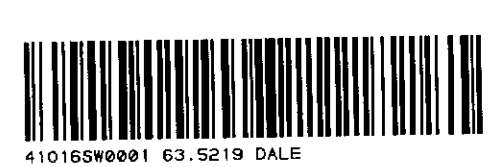
4000'



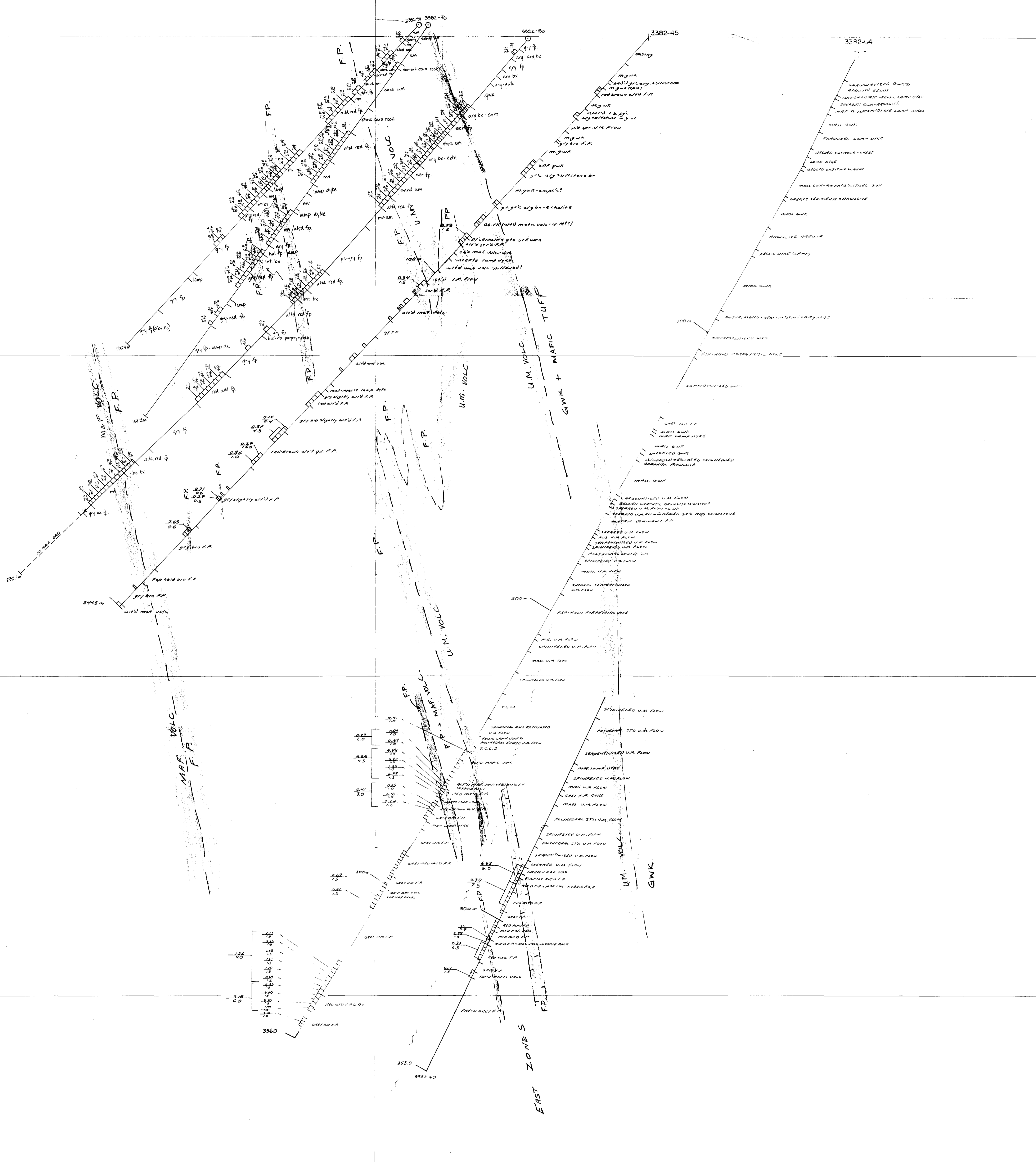
63.5219

SECTION 640 SE
Fig 86

0M87-5-L-092



390

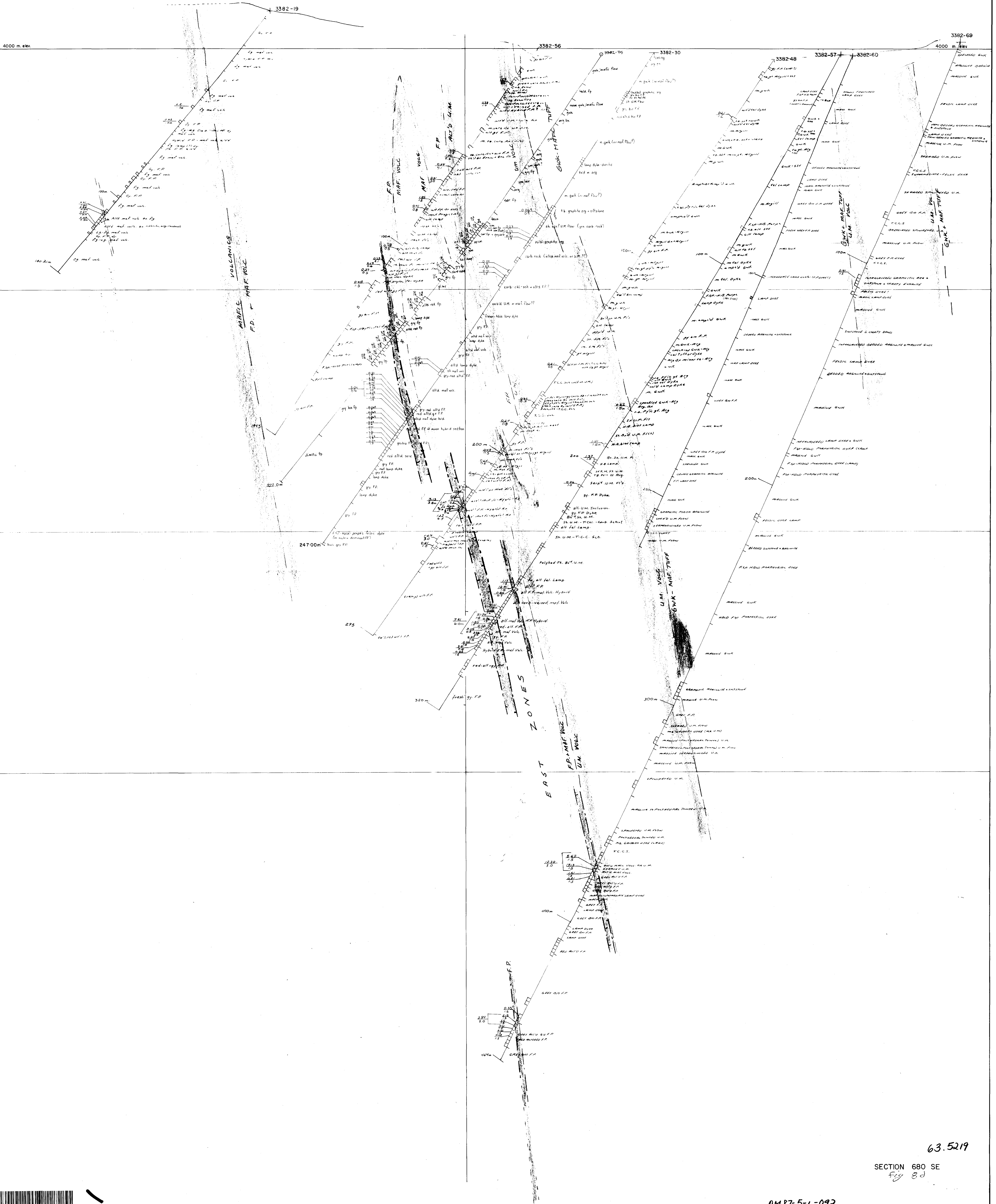


63.5219

SECTION 660 SE
Fig 8c

0187-5-L-092



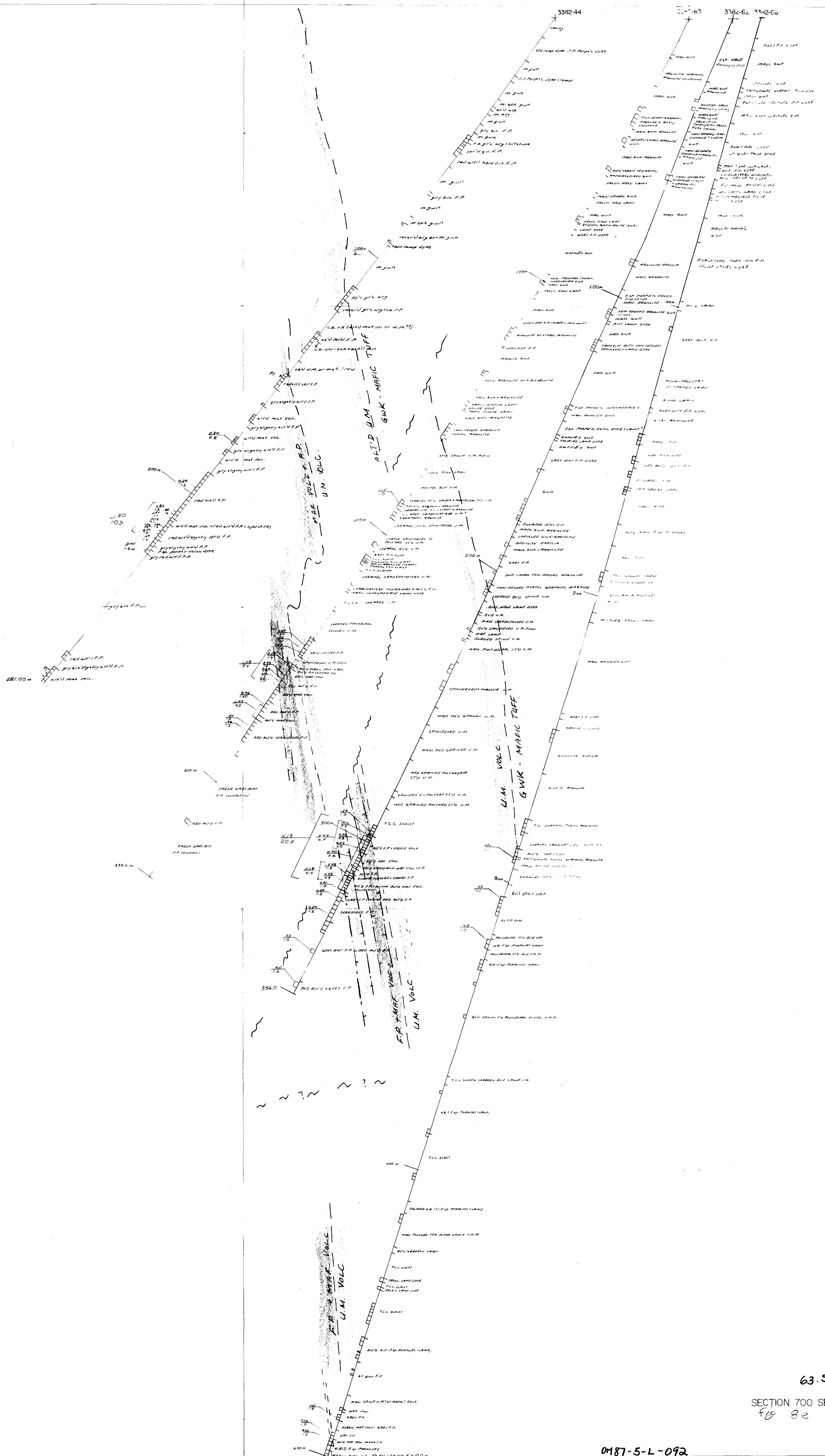


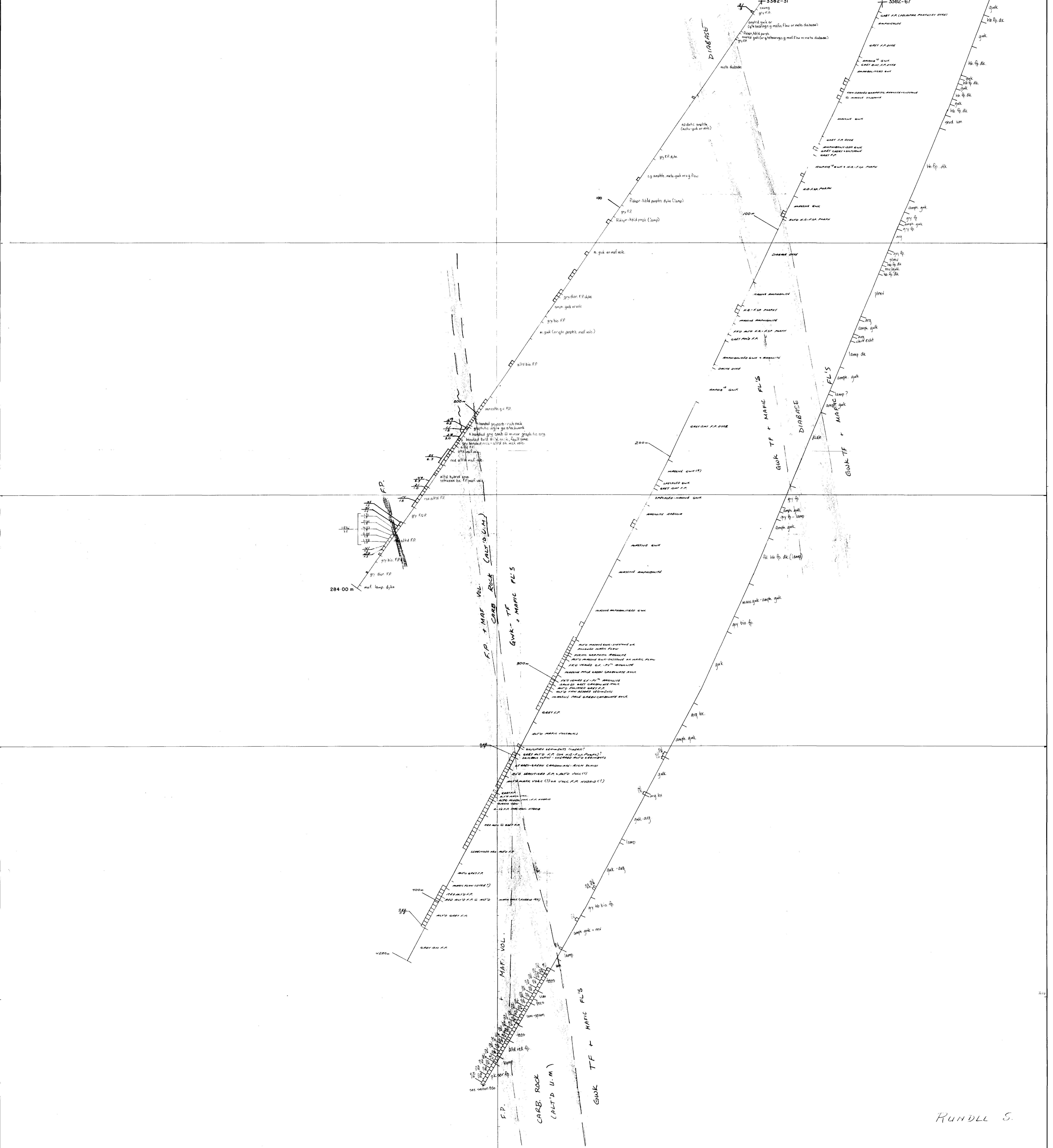
63.5219

SECTION 680 SE
Fig 8d

DM87-5-L-092

DWG: D'Windsor, Apr. 1984

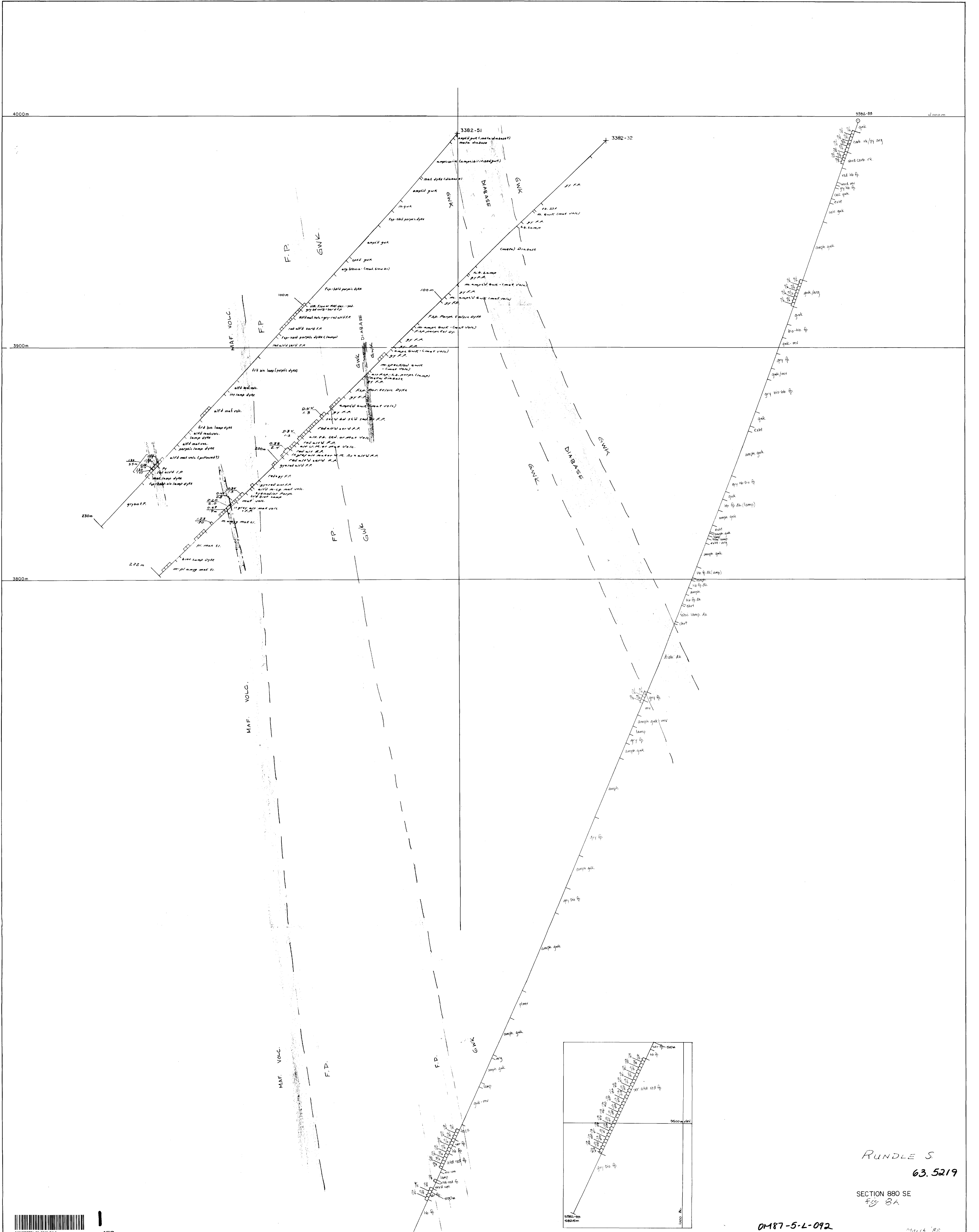




RUNDLE S.

63.5219

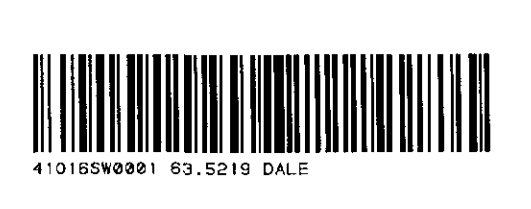




RUNDLE 5
 63.5219
 SECTION 880 SE
 T8 8A

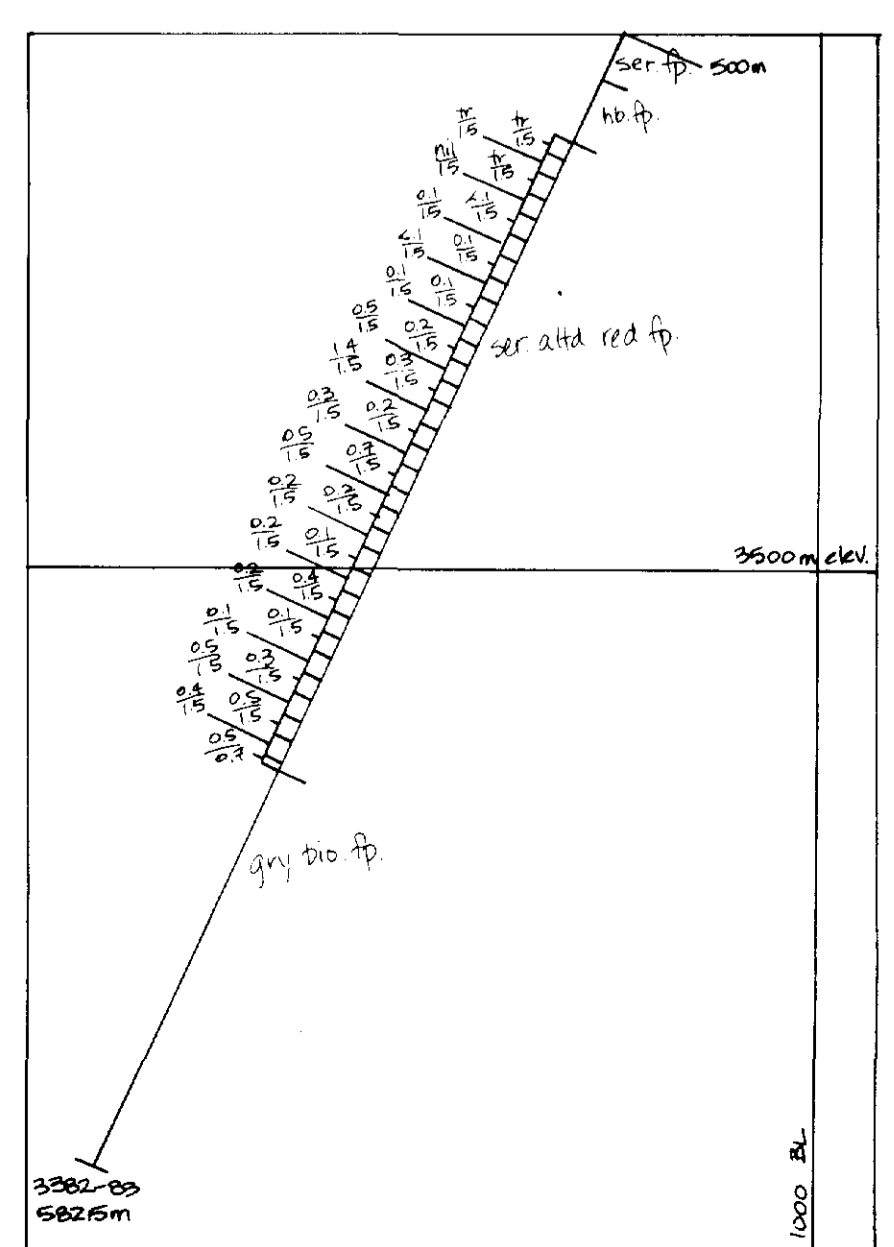
DM87-5-L-092

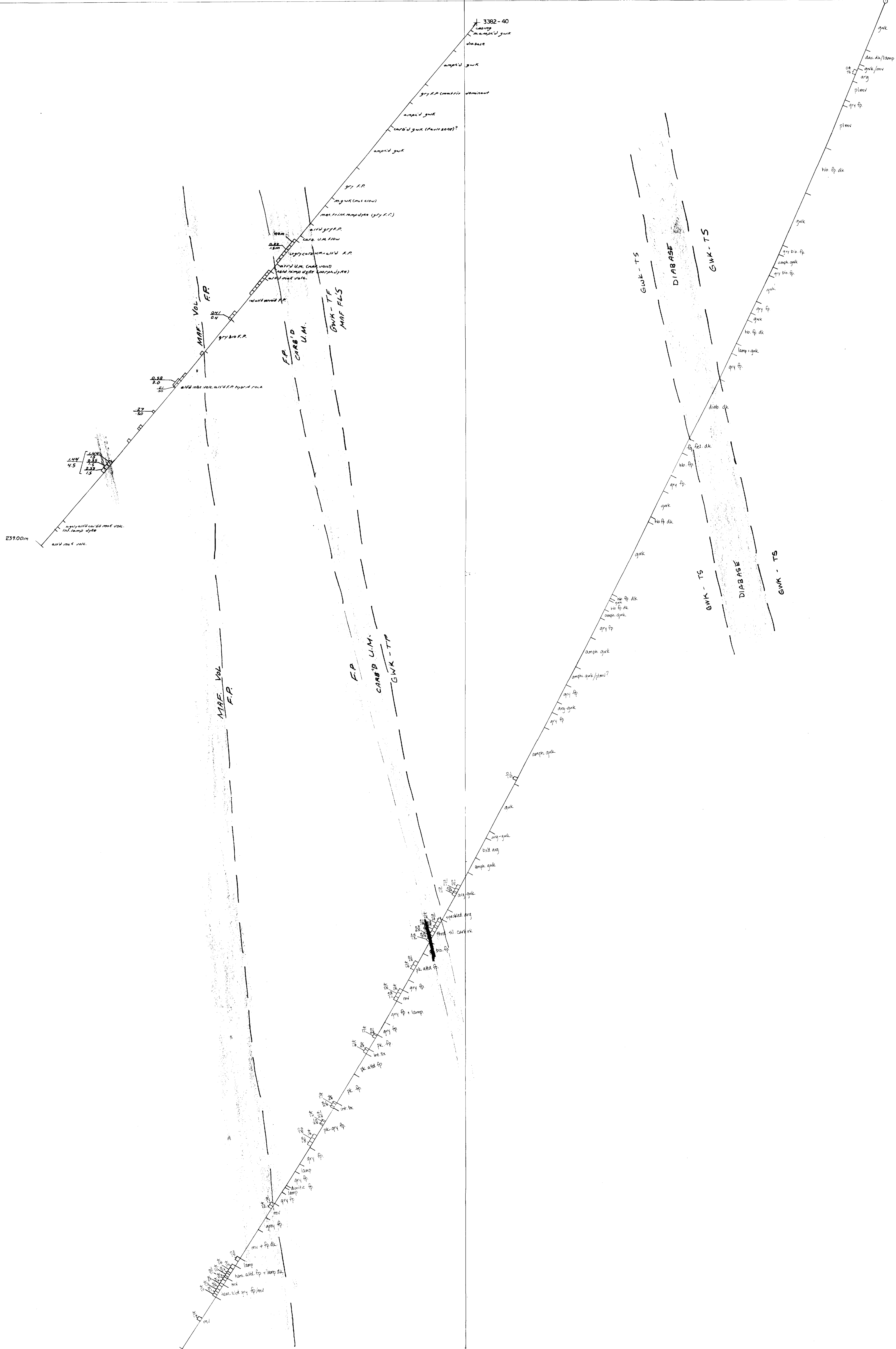
March '89



450

see inset

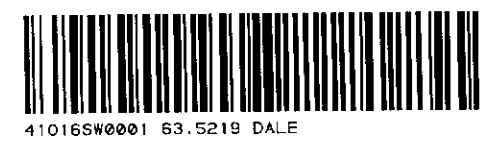


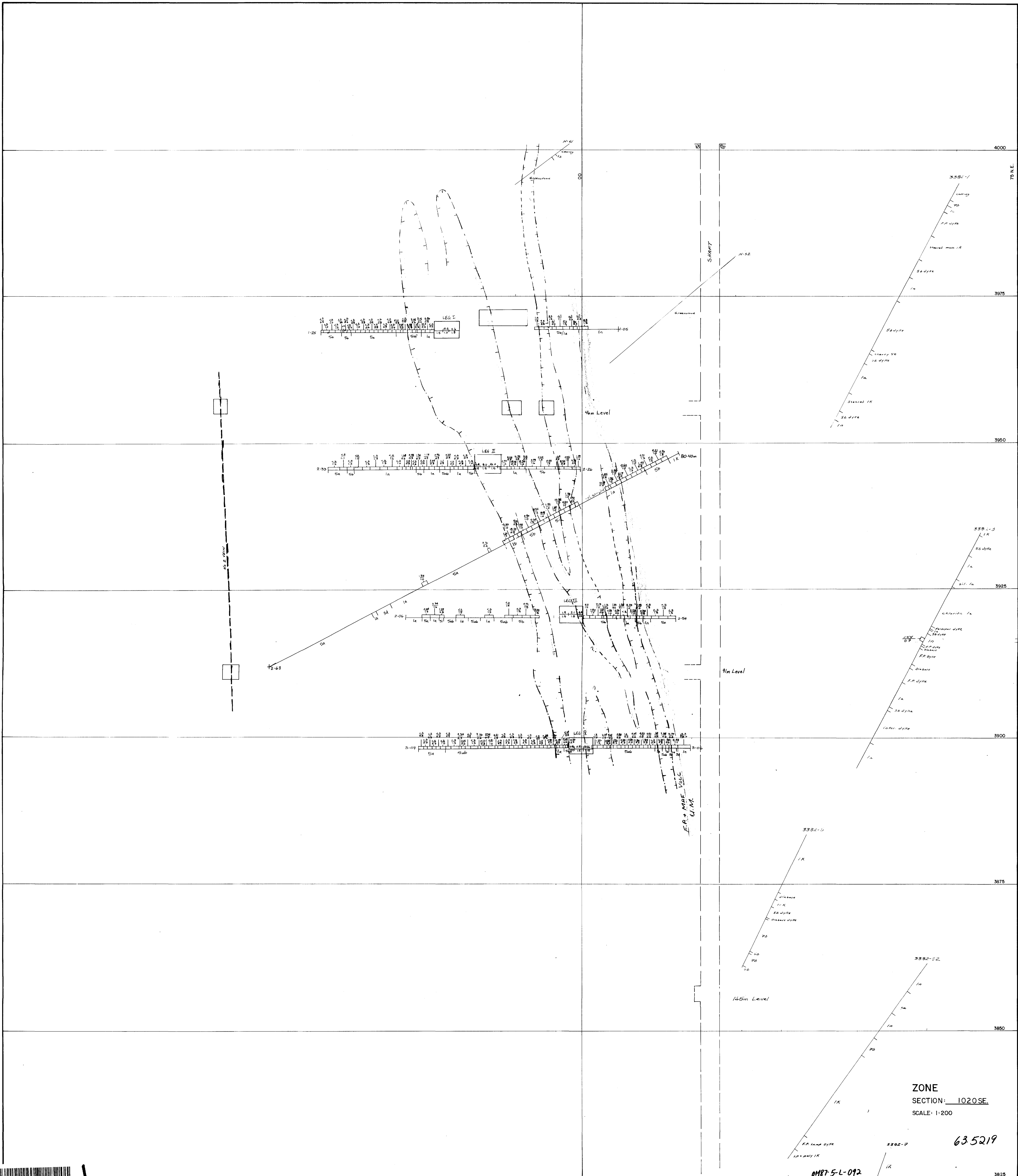


Runde S.
63. 5219

SECTION B60 SE
Fig 31

0M87-5-L-092



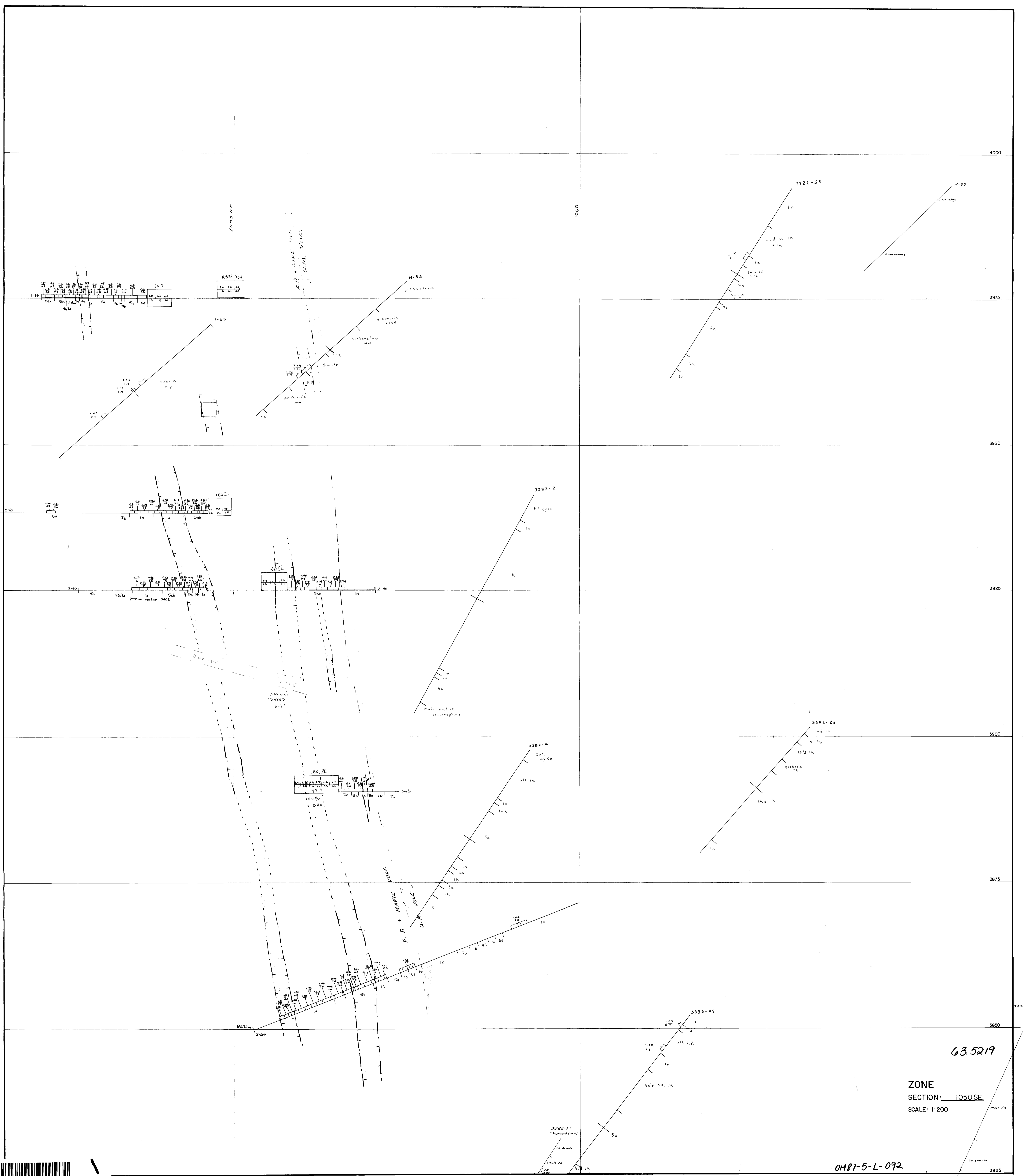


ZONE
 SECTION: 1020SE
 SCALE: 1:200

63.5219

0487-5-L-012

FIG 9a



4000

3975

3950

3925

3900

3875

3850

3825

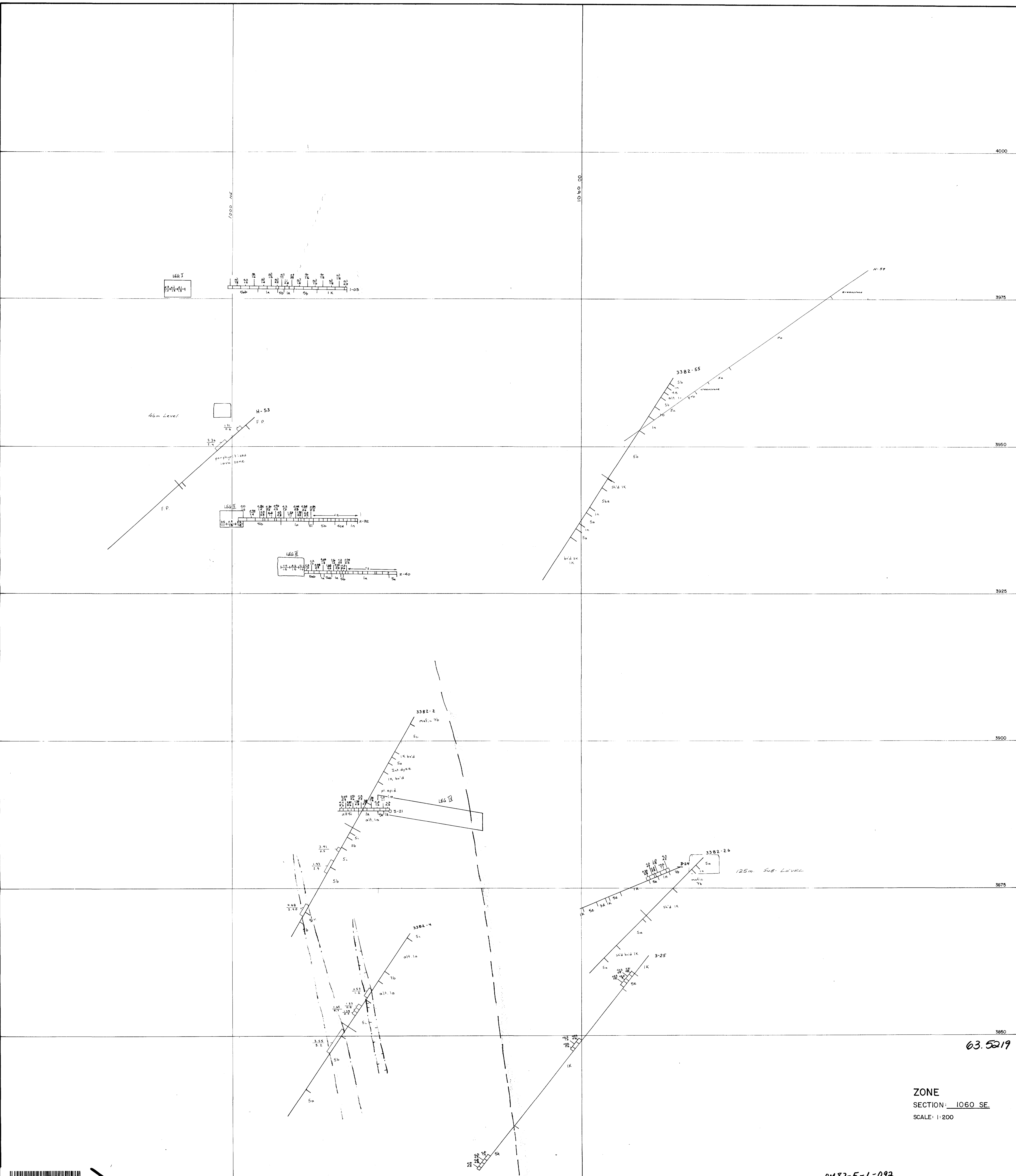
635219

ZONE
SECTION: 1050 SE.
SCALE: 1:200

0M87-5-L-092



480



4000

3975

3950

3925

3900

3875

3850

3825

03.5219

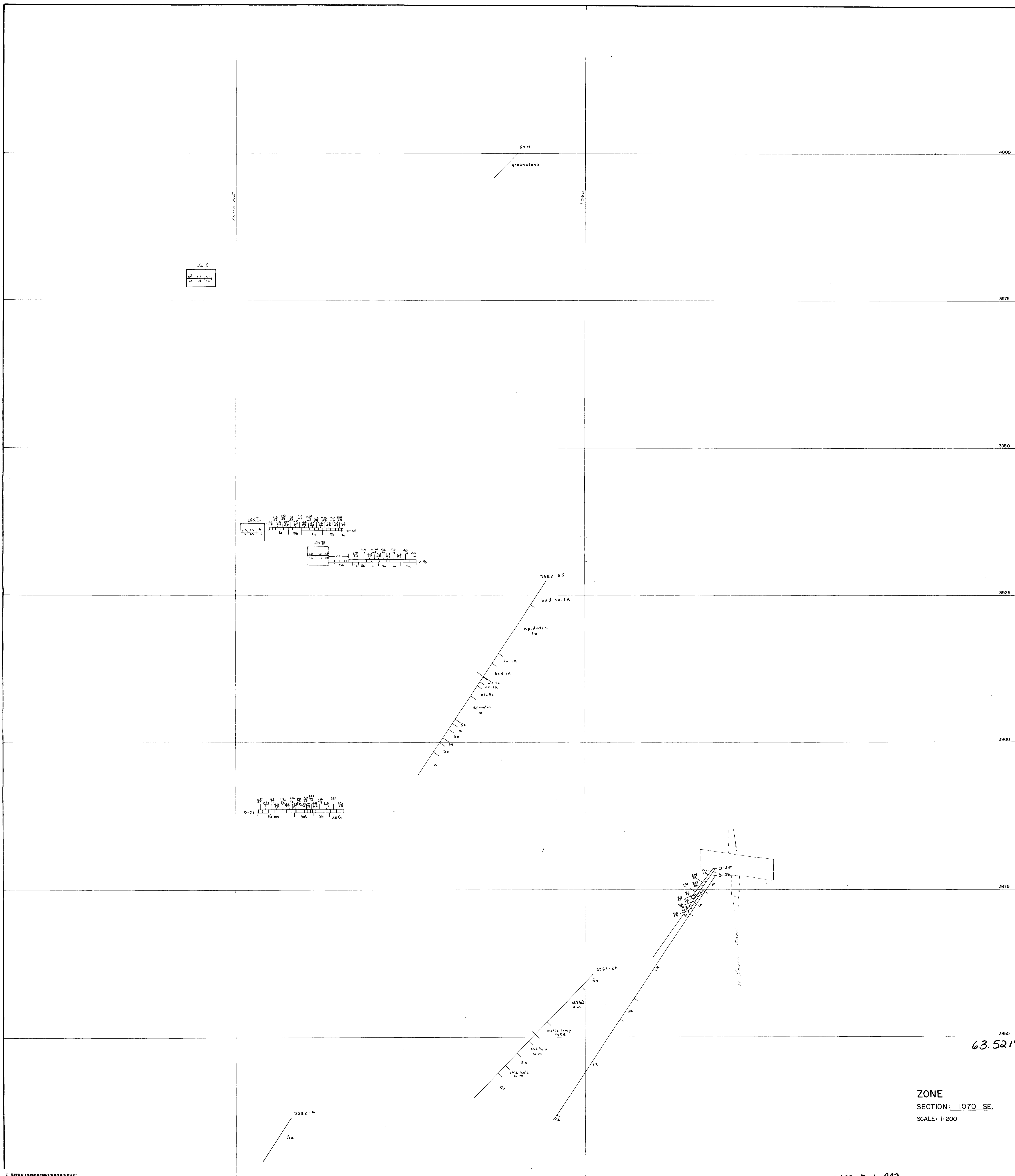
ZONE
SECTION: 1060 SE
SCALE: 1:200

0M87-5-L-092

Fig 9c



490



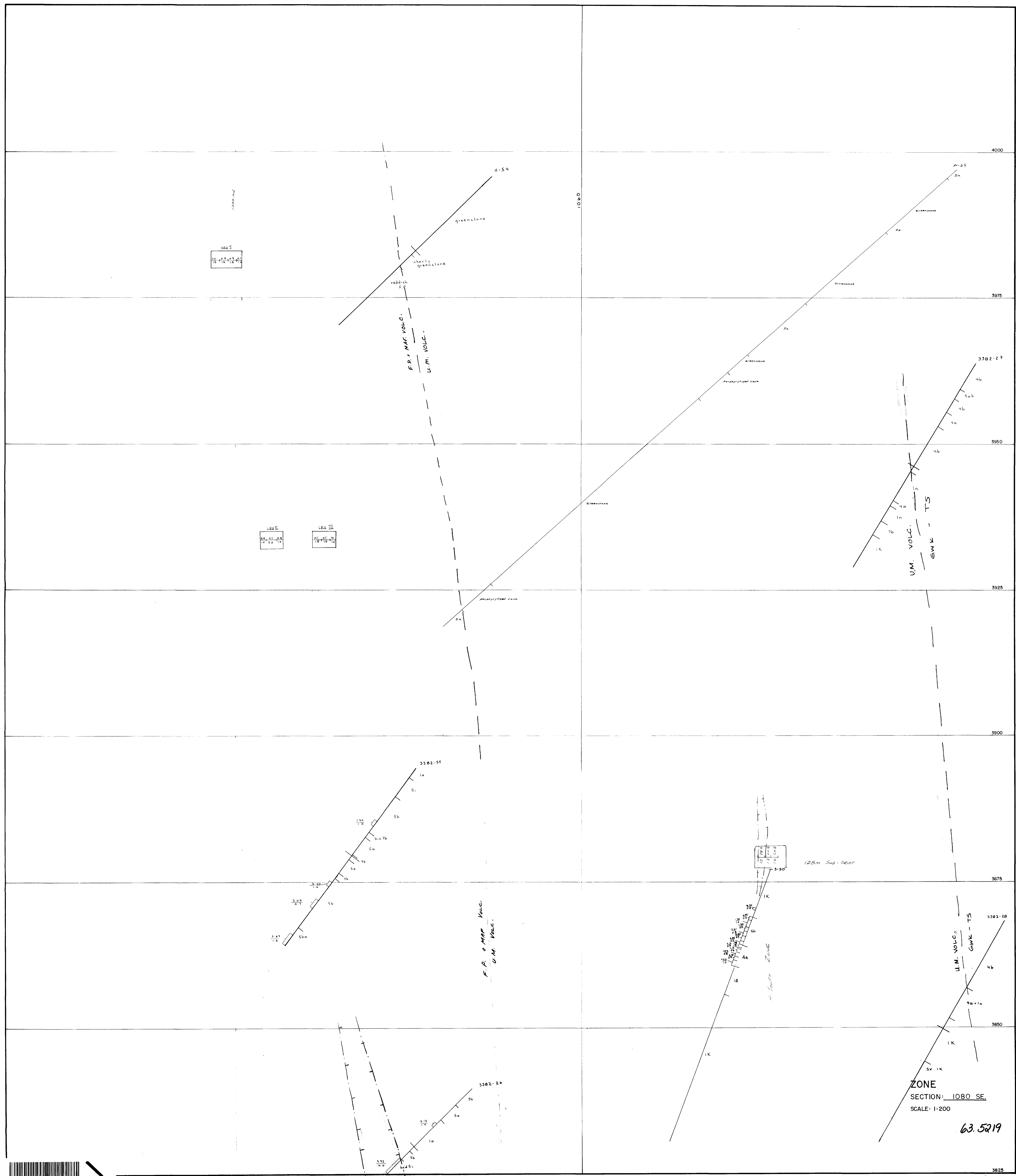
500

ZONE
SECTION: 1070 SE
SCALE: 1:200

0187-5-L-092

63.5219

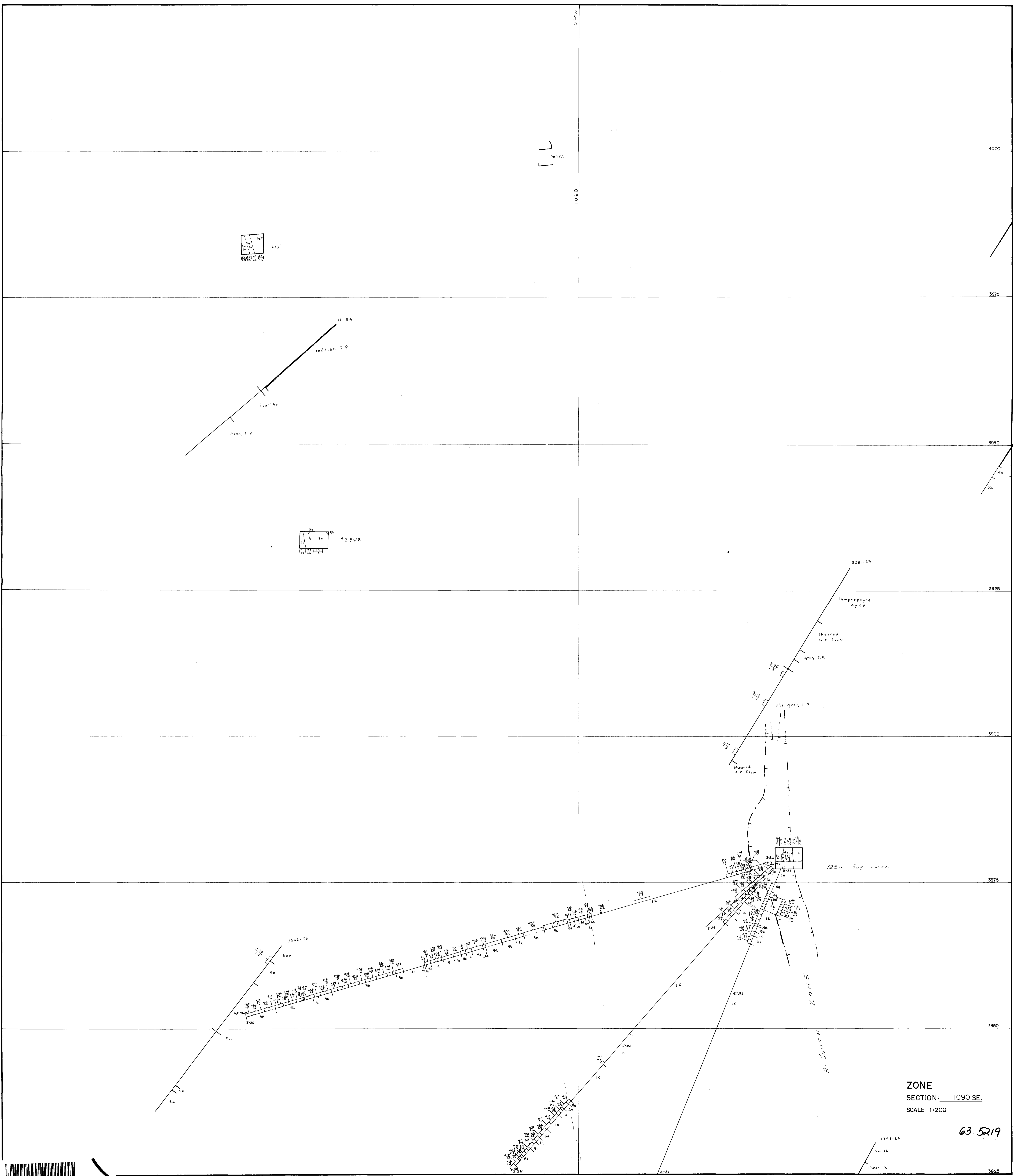
Fig 9d



0M87-5-L-01a

63.5219

Fig 9e



ZONE
SECTION: 1090 SE.
SCALE: 1:200

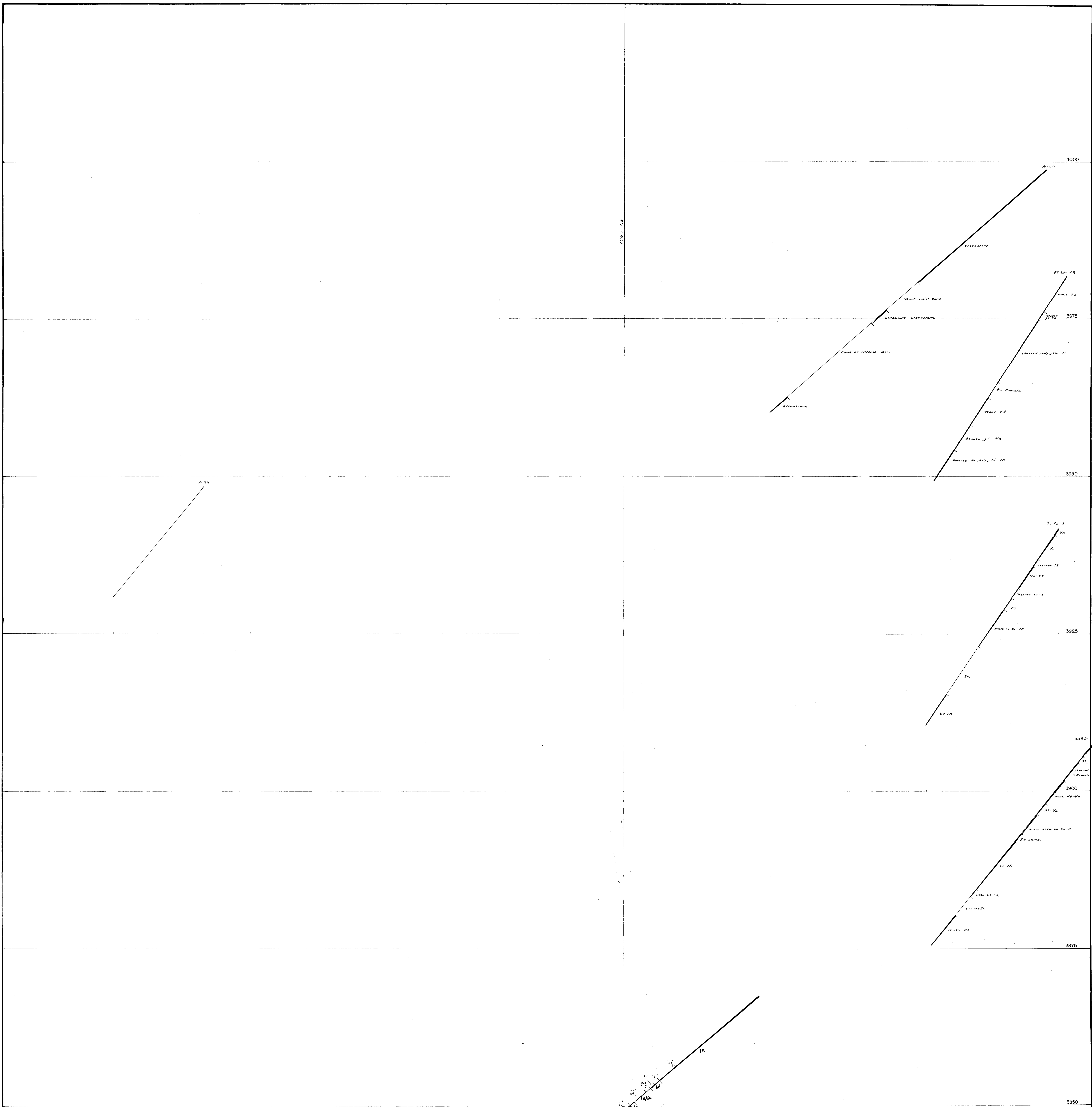
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520

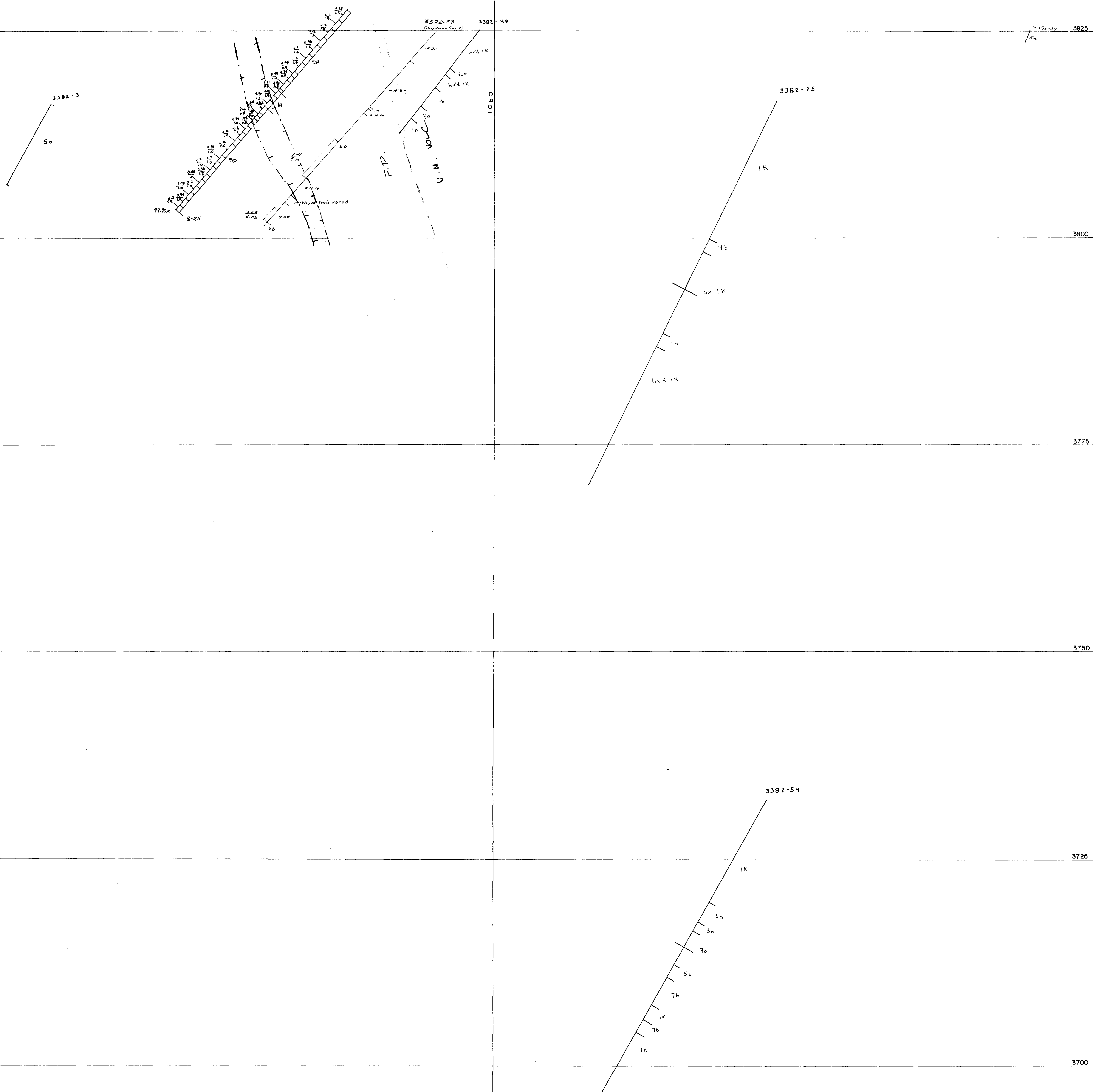
04187-5-L-092

FIG 9F



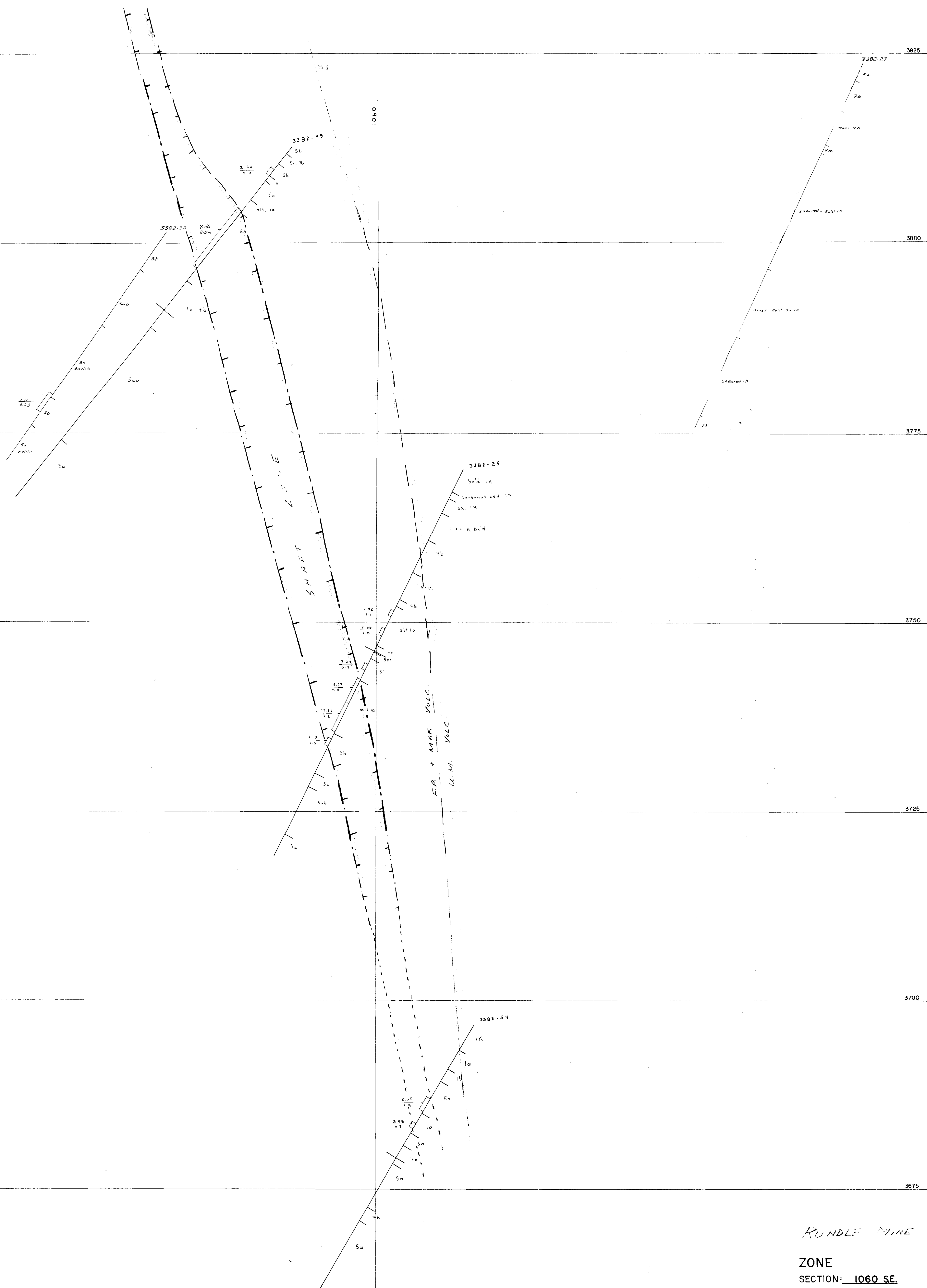
ZONE
SECTION: 1100 SE
SCALE: 1:200

63.5219



R. J. ...
 ZONE
 SECTION: 1050 S.E.
 SCALE: 1:200

63.5219



RUNDLE MINE
 ZONE
 SECTION: 1060 SE.
 SCALE: 1:200

63.5219

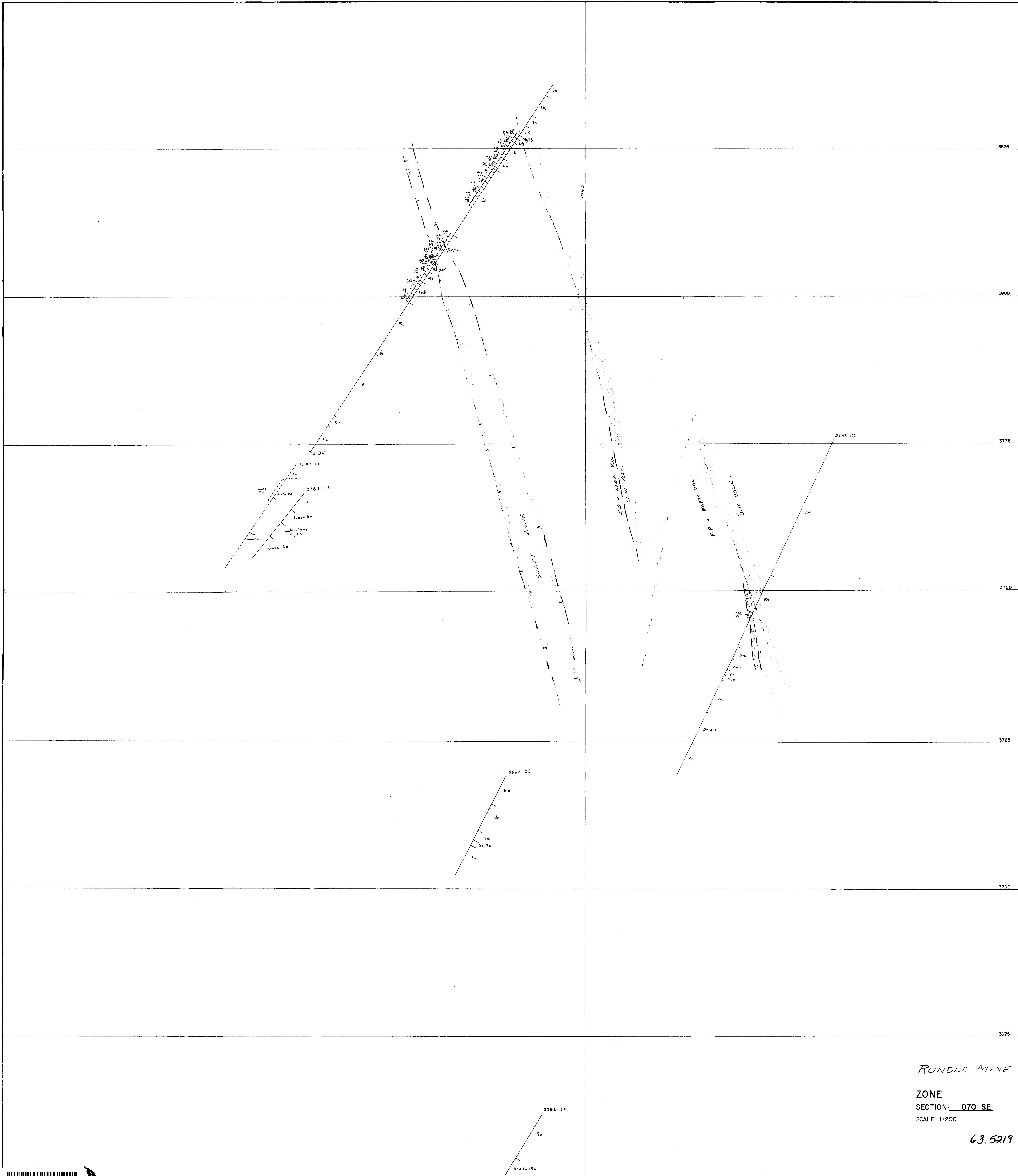


550

0M87-5-L-092

Fig 9 i

3650

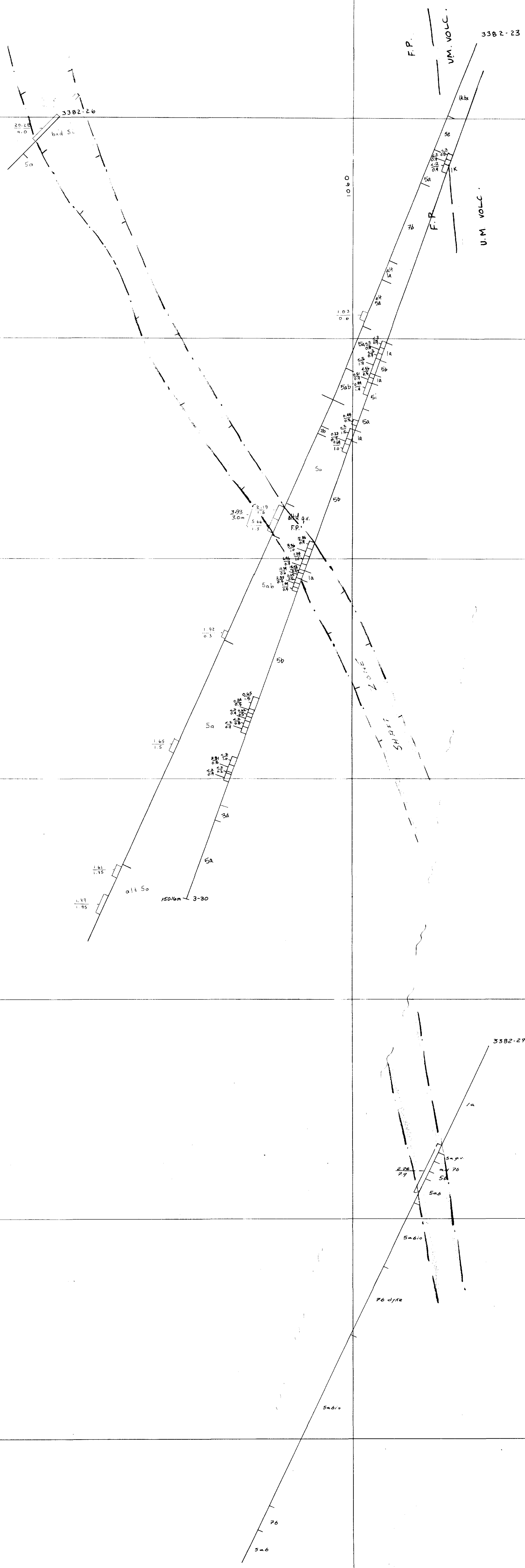


RUNDLE MINE

ZONE
SECTION: 1070 SE.
SCALE: 1:200

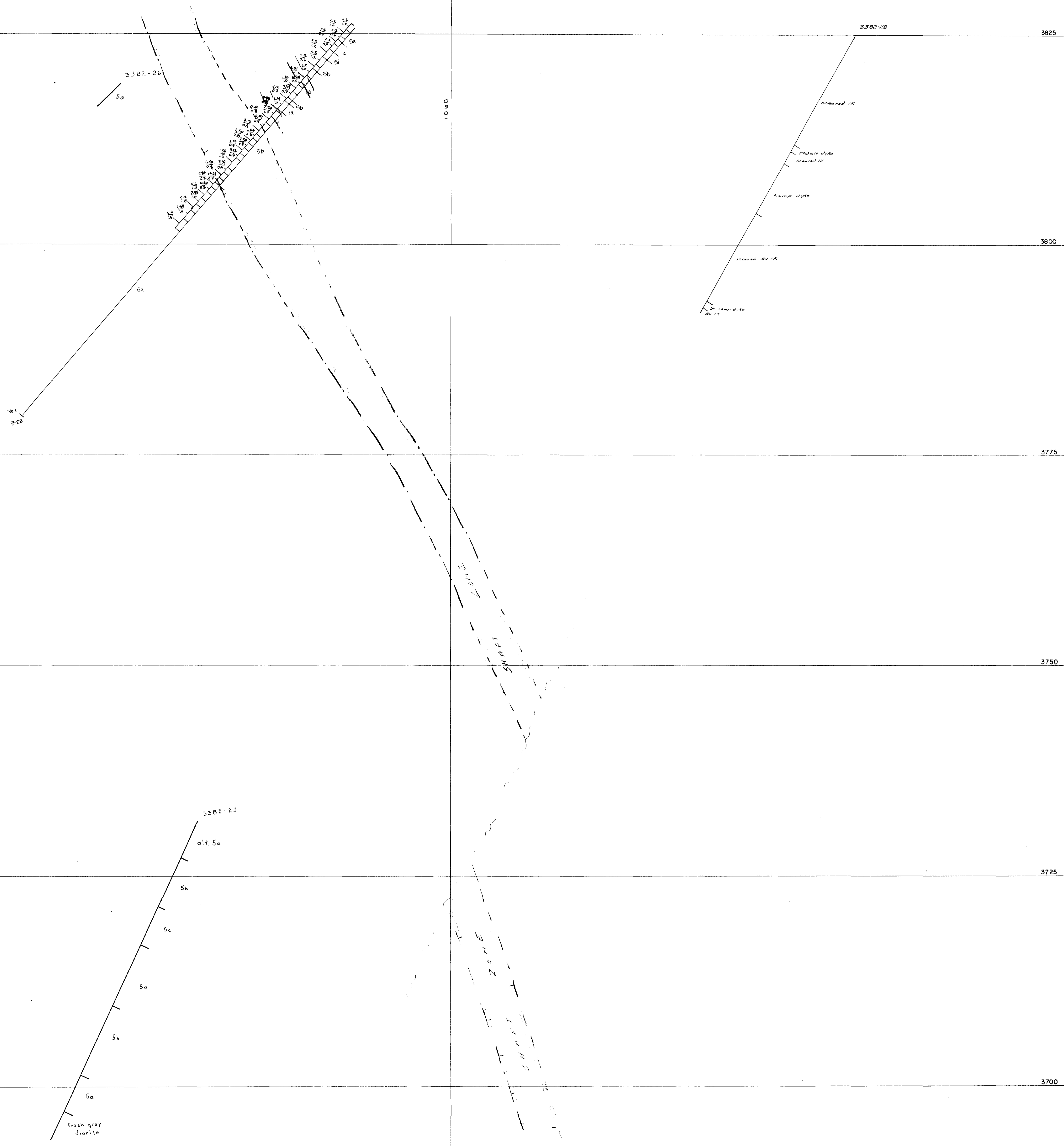
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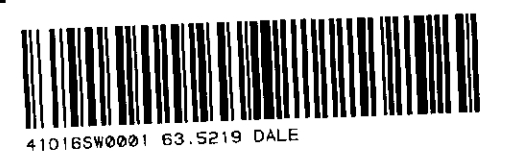
RUNDLE MINE
 ZONE
 SECTION: 1080 SE.
 SCALE: 1:200

63.5219



RUNDLE MINE
 ZONE
 SECTION: 1090 SE.
 SCALE: 1:200

63.5219

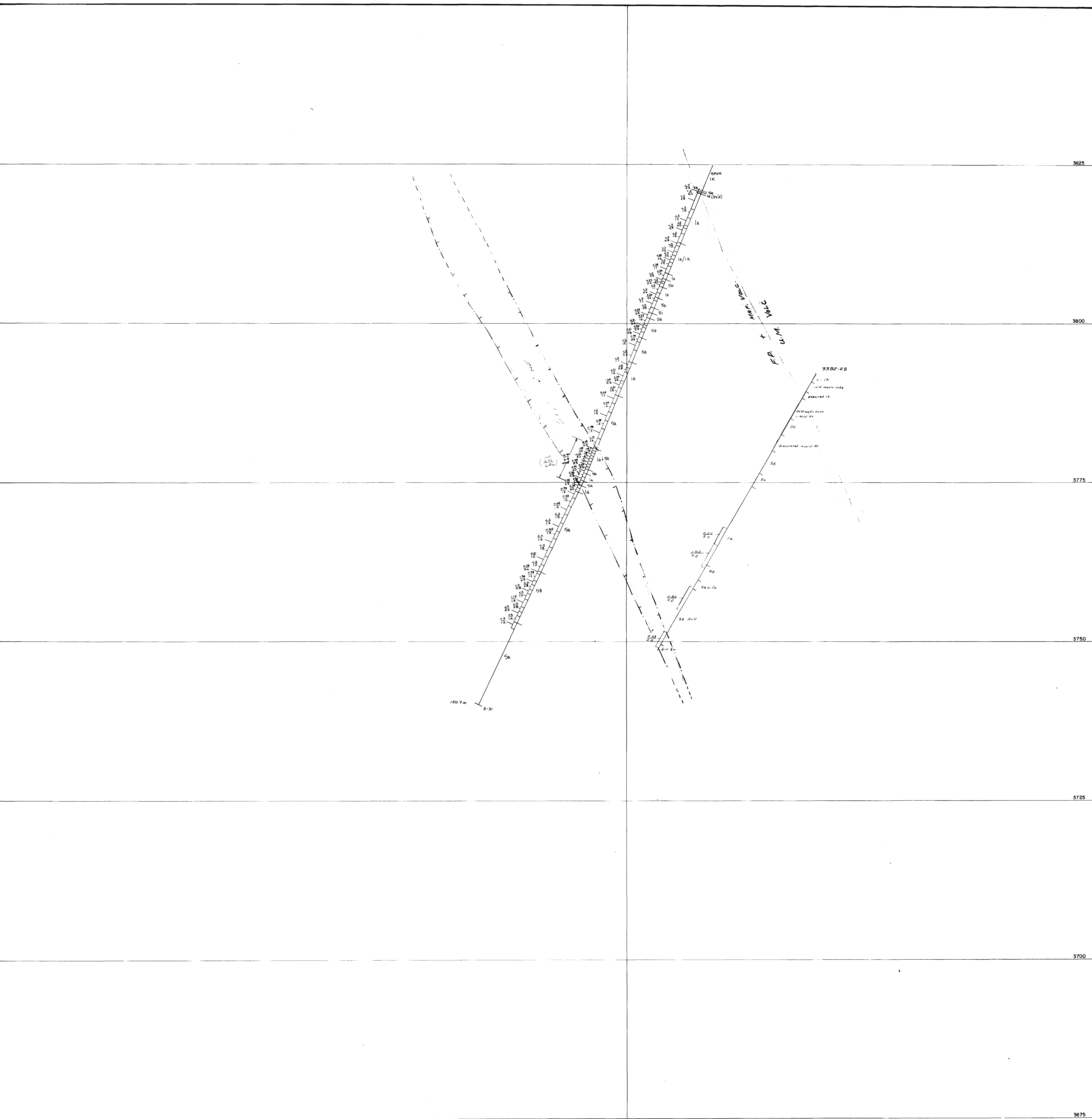


SBO

0487-5-L-092

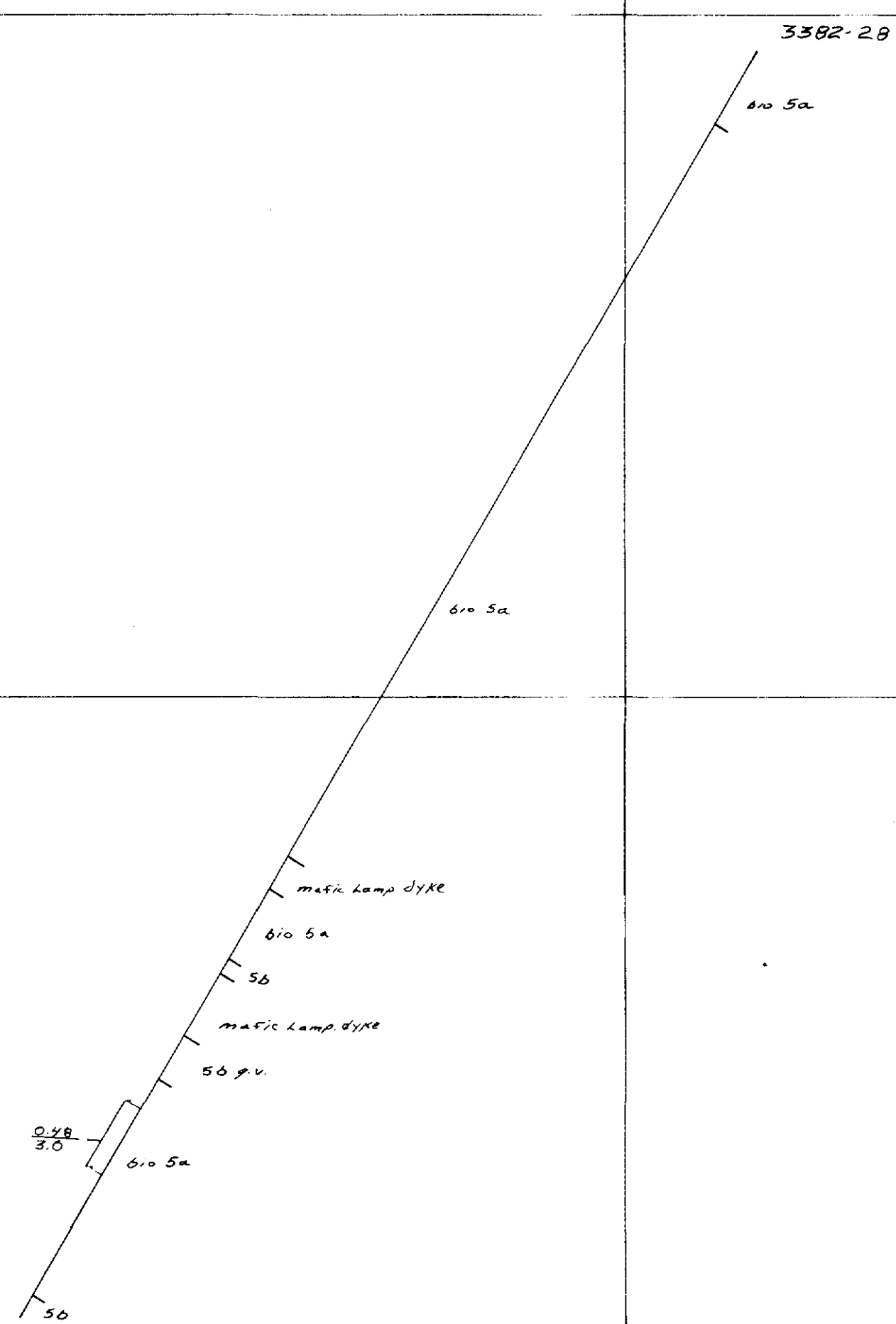
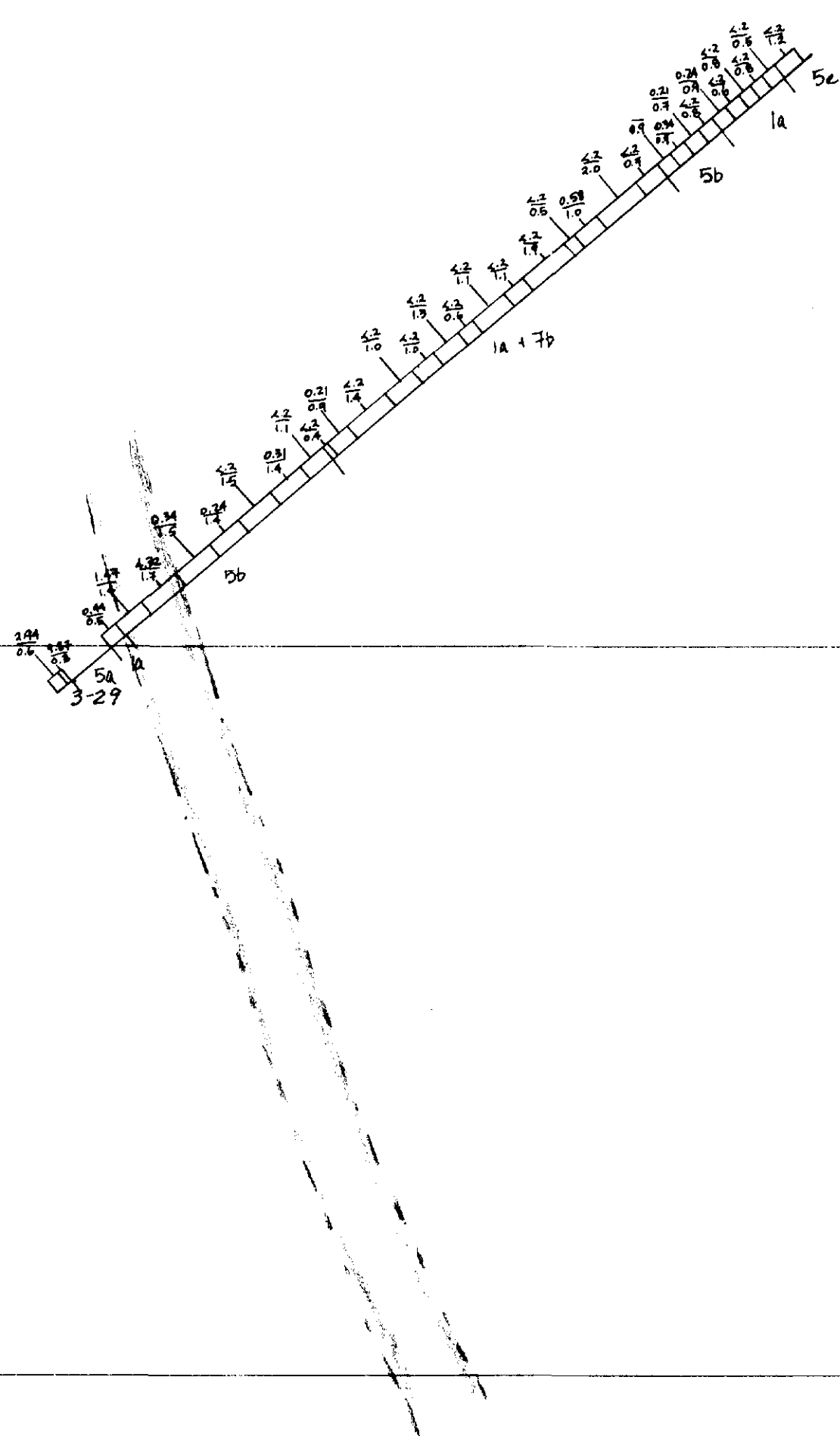
Fig 9 L

3650



RUNDLE MINE
 ZONE
 SECTION: 1100 SE.
 SCALE: 1:200
 63.5219



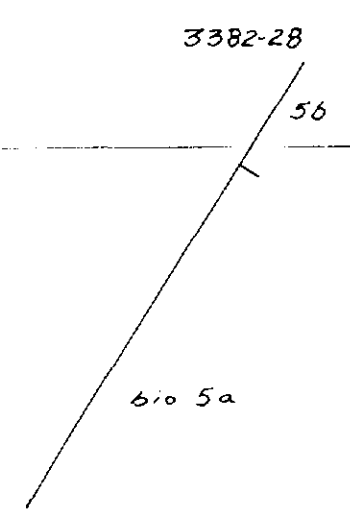
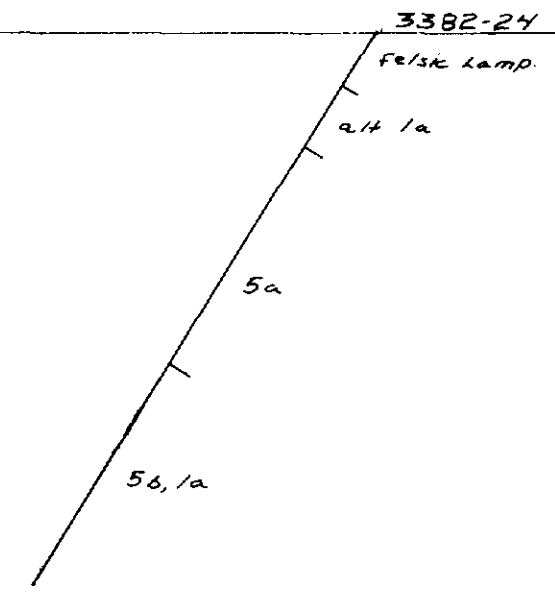
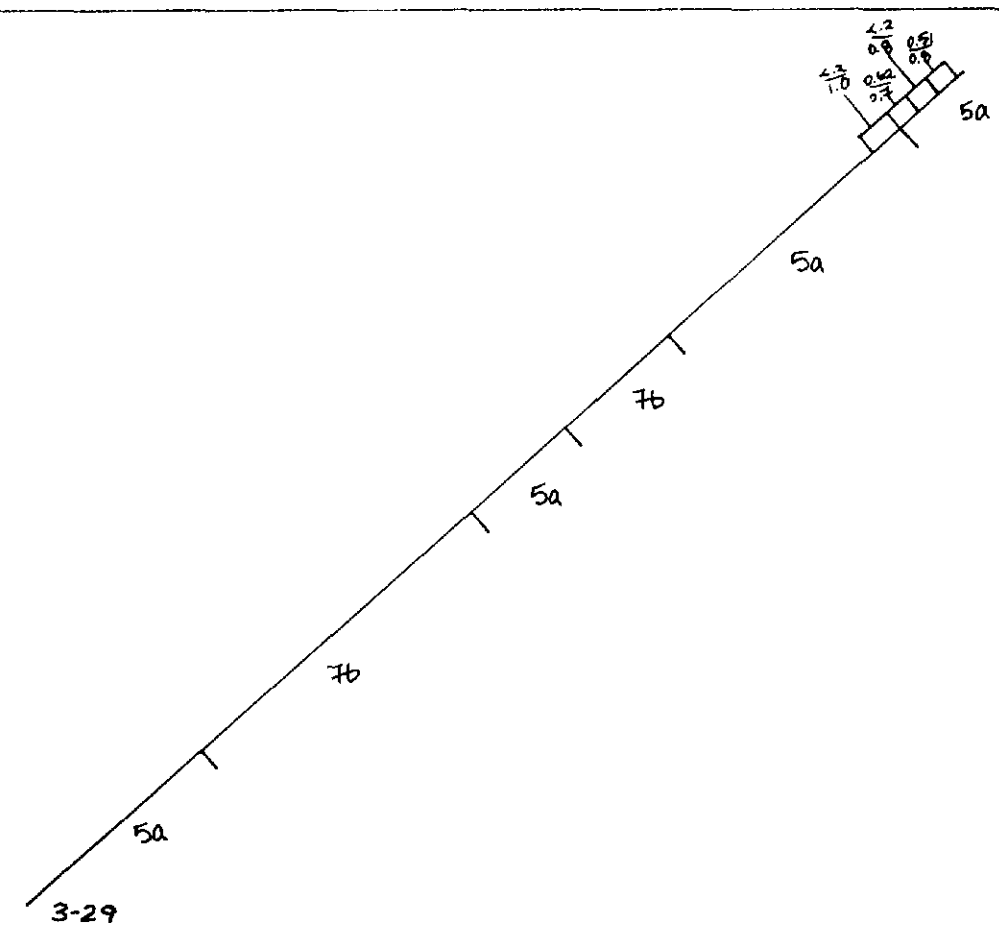


RUNDLE MINE
 ZONE
 SECTION: 1110 SE.
 SCALE: 1:200

63.5219



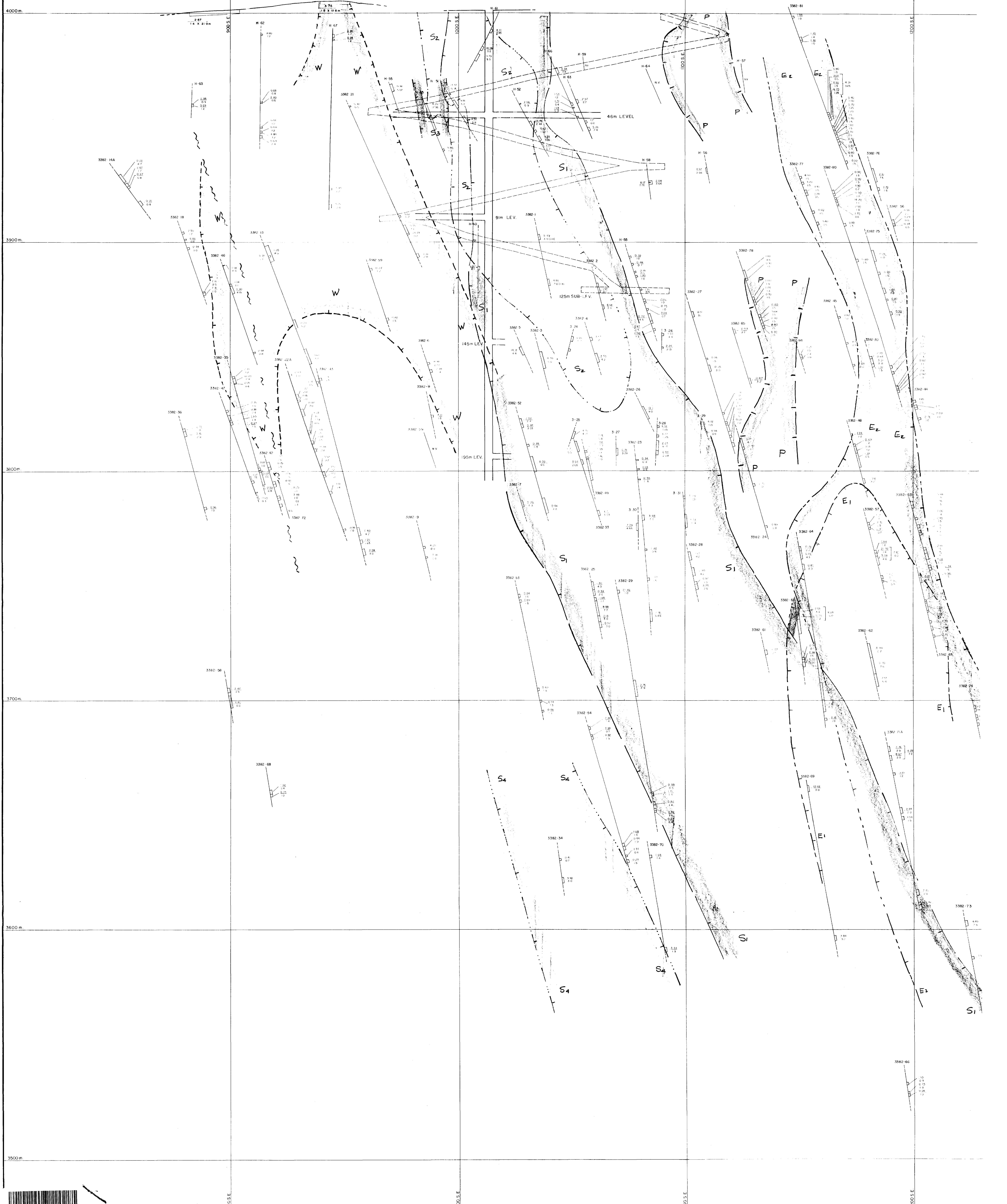
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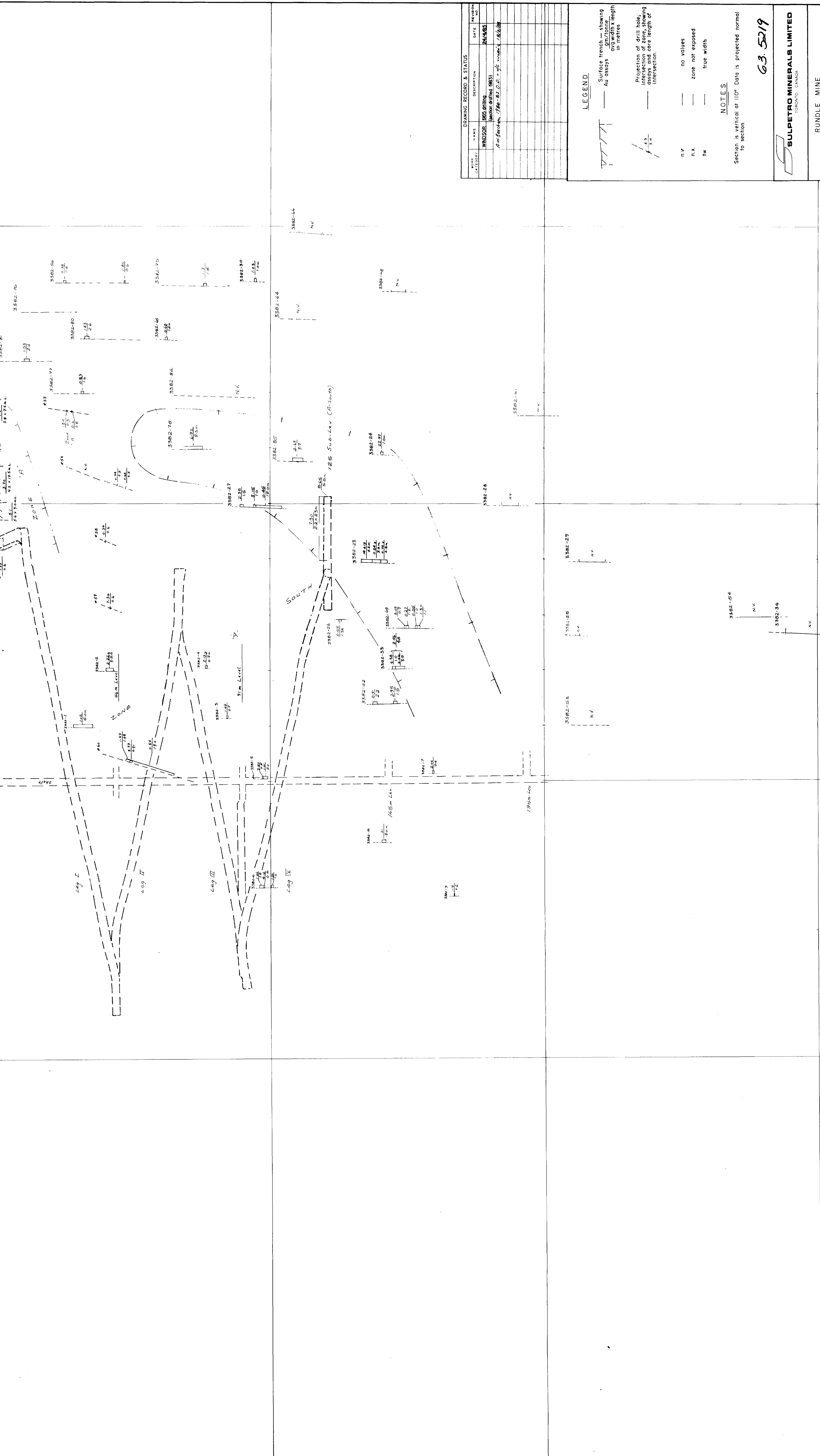
RUNDLE MINE
 ZONE
 SECTION: 1120 SE.
 SCALE: 1:200
 63.5219

0187-5-L-092





Section 380 E
4000 m ENE



REV. NO.	DATE	DESCRIPTION
1	24/08/82	WINDSOR 1982 Mining Section drilled 1983
2	24/08/82	A.M. Rev. 1982-87, 1987-88, 1988-89, 1989-90

LEGEND

Surface trench — showing gm/tonne
Au assays
orig width x length
in metres

Projection of drill hole;
intersection of zone, showing
core length of
intersection

n.v. no values
n.x. zone not exposed
tw true width

NOTES

Section is vertical at 110°. Data is projected normal to section.

63.5219

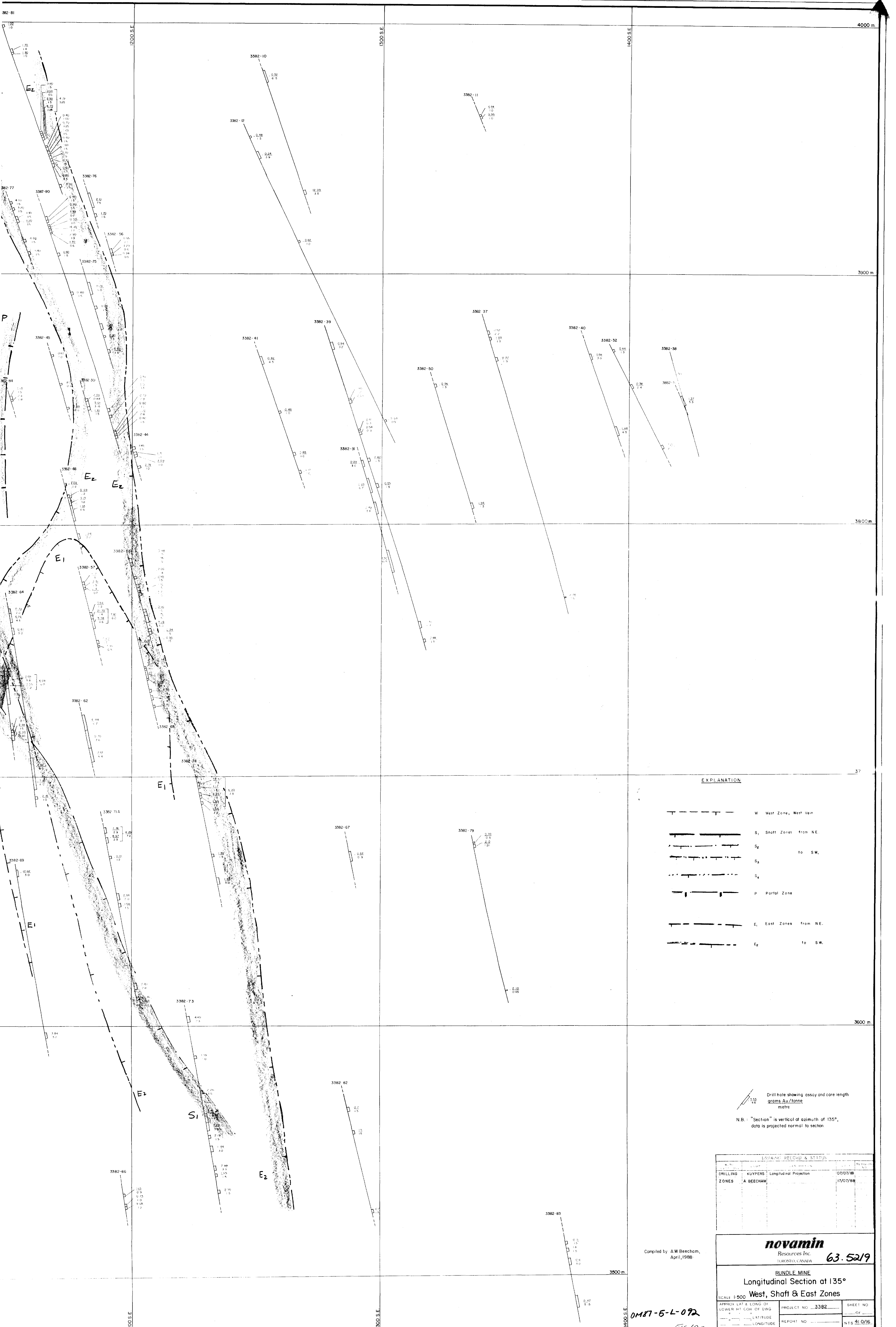
SULPETRO MINERALS LIMITED
TORONTO, CANADA

RUNDLE MINE
S.E. Newton Twp., Ontario

LONGITUDINAL SECTION ZONE A - SOUTH
Looking N.E.

SCALE 1:500	PROJECT NO. 3382	SHEET NO. 10
LOWER RT. COR. OF DWG.	LATITUDE	REPORT NO. 41-0-16
	LONGITUDE	N.S.

0187-5-4-092
A.W. Beecham, March 83



EXPLANATION

- W West Zone, West Vein
- S₁ Shaft Zones from NE.
- S₂ to SW.
- S₃
- S₄
- P Partial Zone
- E₁ East Zones from NE.
- E₂ to SW.

Drill hole showing assay and core length
 grams Au/tonne
 metre
 N.B.: "Section" is vertical of azimuth of 135°,
 data is projected normal to section.

DRAWING RECORD & STATUS			
NO.	DATE	BY	REVISION
DRILLING	KUYPERS	Longitudinal Projection	07/07/88
ZONES	A BEECHAM		17/07/88

Compiled by A.W. Beecham,
April, 1988

novamin
 Resources Inc.
 THORNHILL, CANADA **63-5219**

BUNDLE MINE
 Longitudinal Section at 135°
 West, Shaft & East Zones

SCALE: 1:500	PROJECT NO: 3382	SHEET NO: 41/0/86
APPROX LAT & LONG OF LOWER RT COR OF DWG	REPORT NO:	NTS: 41/0/86
LATITUDE		
LONGITUDE		

0187-5-L-092
 FIG 10



410165W0001 63.5219 DALE

010

NOVAMIN RESOURCES INC.

REPORT FOR O.M.E.P.

SOUTH RUNDLE UNDERGROUND EXPLORATION

AND SURFACE DIAMOND DRILLING

MAY 1987 - JUNE 1988

Newton Township, District of Sudbury, Ontario

By: A.W. Beecham &

C.B. Cunningham-Dunlop

NTS. 41-O-16

Date: 9 July 1988

0M87-5-L-092



1/
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INTRODUCTION AND SUMMARY

The South Rundle gold property is located 105 km.SW of Timmins in the southeastern part of Newton Township in the District of Sudbury. It lies 44 km. almost due south of the village of Foleyet. From a point on Highway 101, 10 km. east of Foleyet it is accessible along some 60 km of all weather gravel roads.

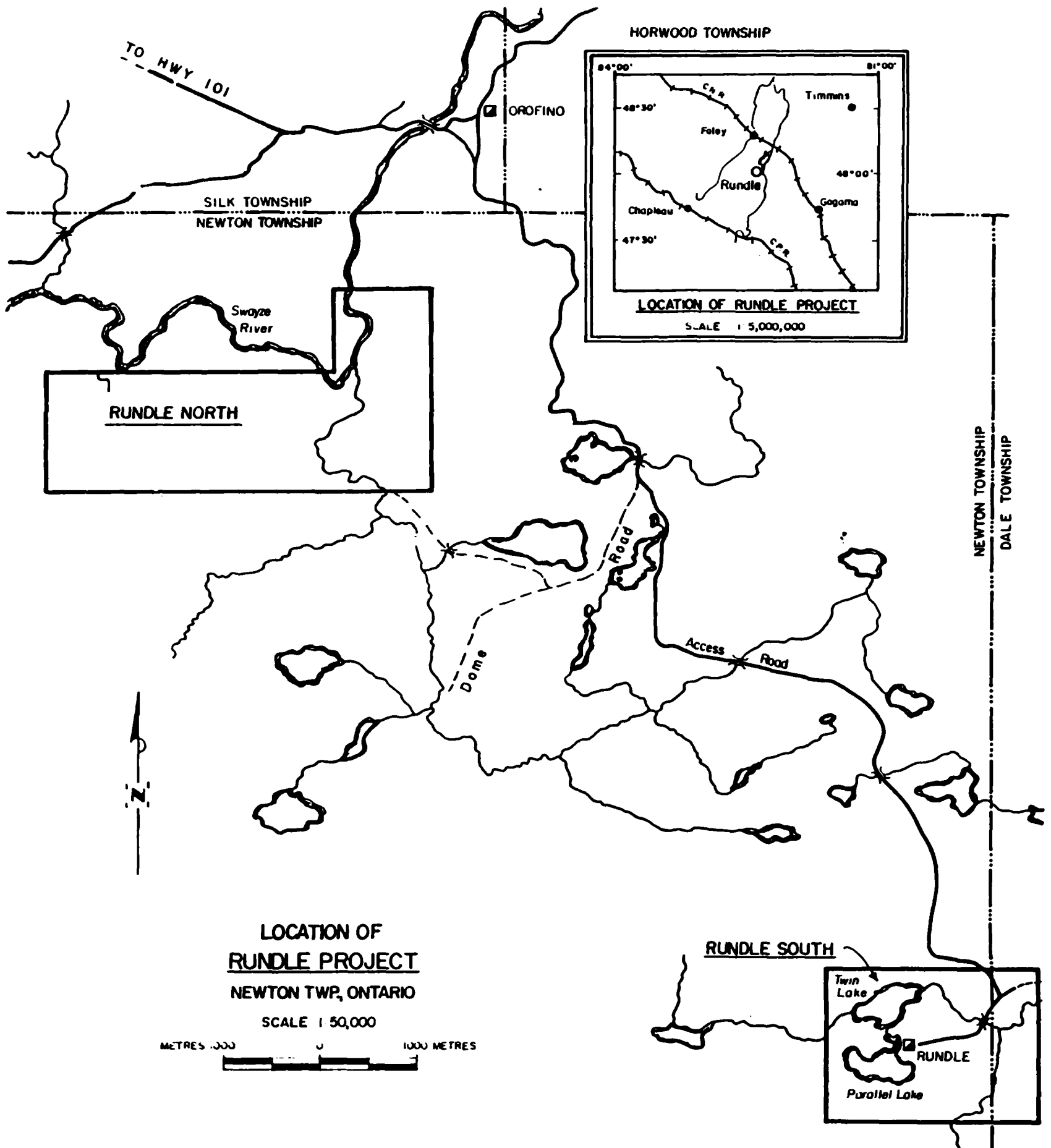
The South Rundle property, since the discovery and initial exploration by Hollinger G.M. in 1940, has been known to contain significant gold deposits. After a second phase of exploration from 1981 until May 1987 by Novamin and predecessor company, Sulpetro Minerals, in which a drill indicated mineral inventory of 0.500 million tonnes at a grade of 7.0 g/t was established, a decision was made to undertake underground exploration. The purpose of this programme was (1). to under-cut, map and bulk sample and thus establish the grade of the mineralization in the shaft sector with a 5-leg decline; (2) explore the West Zone by extending the decline westward; (3) under-cut and sample both the Shaft Zones and the East Zones on the 250m level and (4) to establish a drill platform on the 250m level and drill test the Shaft and East Zone down to 600m.

It was decided by management that the shaft sector ore would be examined and sampled by a decline which would be, as much as possible driven through the ore. This was to circumvent the long lead time required to carry out the programme entirely through the existing small shaft and thus bring forward the time for a production decision.

This phase of the work started in late May 1987 with upgrading of the 24 km of access road from the forestry road to the property. Work on the decline started the end of June.

A surface diamond drilling programme was started 22 July and completed 27th September. Shaft re-habilitation was started early in the work and sinking was completed 2 December. The decline, which started late in June was completed in late November. The underground diamond drilling programme started in September was completed in mid December.

The initial sampling of the ore zone in legs I and II of the decline produced anticipated good grade. However, in legs 3 and 4, grades dropped and the tonnage per vertical metre decreased. It was therefore decided to curtail the programme. The planned 5th leg of the decline and the decline to the west zone were cancelled. Instead of driving leg V, the decline was driven to the NE. to the A-South Zone and part of the zone undercut. As well as partly testing the A-South structure,



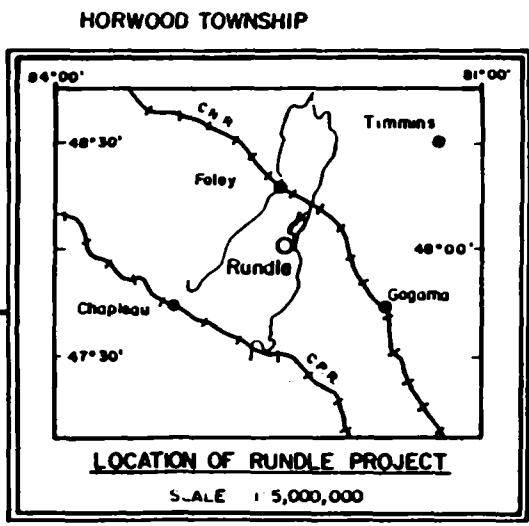
TO HWY 101

OROFINO

SILK TOWNSHIP
NEWTON TOWNSHIP

Swayze River

RUNDLE NORTH

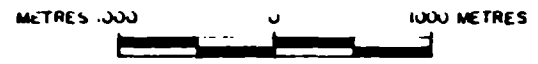


NEWTON TOWNSHIP
DALE TOWNSHIP

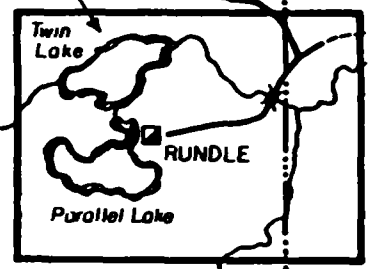


LOCATION OF RUNDLE PROJECT
NEWTON TWP, ONTARIO

SCALE 1 50,000



RUNDLE SOUTH



BREAKWATER RES. LTD.	
DATE: JULY 1988	FIG. 1

this provided a drilling platform for file-in drilling on the Shaft Zone down to below 200m. Shaft sinking was cut off just below the 195m level and the planned drifting on, and the deep drill testing from the 250m level was cancelled.

A preliminary economic viability study was made in late December, (See Beecham and C-Dunlop, and Dunlop Dec. 1988). This preliminary study indicated that mining of the material in the shaft zones above the 195m level (the proven and drilled indicated reserves) would not be economically viable. Since that study, some data from the underground programme which was not available when the study was made, has been assessed and tonnages have been slightly increased. As well, it is now evident that the ore zones on legs II, III and IV are still open to the southeast. Further, a programme of check assaying (re-assaying of sample pulps) to date indicates that at least the bulk sample grades are a little higher than indicated by the original data. Check assaying of drill core is yet to be completed. A second viability study is planned with completion of the check assaying. and it is anticipated that overall, grades and tonnages will increase slightly.

SUMMARY OF WORK TO DATE, HISTORY

- 1940: The discovery of the main occurrences was made by prospector Claude Rundle working for Hollinger G.M. in the process of regional gold prospecting programme.
- 1940-1941: During this period mapping and extensive trenching was done and 23 surface drill holes put down near the site of the present shaft.
- 1941-1942: A two compartment shaft was sunk to a depth of 114m and 2 levels were established. On the 46m level work consisted of 259m of drifting and cross-cutting, 69m of raising and 955m of diamond drilling. On the 91m level, 151m of drifting and cross-cutting and 76m of diamond drilling were done.
 During 1942, operations were shut-down because of war time conditions.
 At the end of this work, Hollinger estimated 91,000 tonnes at a grade of 9.94 g/t of proven and probable reserves had been established.
- 1946: In 1946 (records vary from 1945 to 1948) the surface plant was destroyed by a forest fire.
- 1946-1981: Except for some geophysical surveys by Hollinger G.M., no significant work was done during this period.

1980-May 1987: In 1980, St. Joseph Explorations Ltd. started negotiating an agreement with Rundle Gold Mines Ltd. whereby St. Joseph would earn a 50% interest in the property for the expenditure of \$500,000 in work on this and the North Rundle property (a second block of patented mining lands in the northwest corner of Newton Township). Successor company, Sulpetro Minerals Ltd. signed an agreement with Rundle G.M. early in 1981. During the period from 1981 to 1985, intermittent work programmes were undertaken consisting of surface geological, geochemical and geophysical surveys, construction of a dry season and winter access road and some trenching and drilling of 23 surface diamond drill holes. Although this work indicated the main 'ore' zones at the shaft continued to depth, the thicknesses had decreased considerably from those encountered in the shallow workings

In May 1986 Novamin Resources, a successor company to Sulpetro Minerals undertook a further diamond drilling programme to investigate a possible new structure known as the A-South Zone to the northeast of the shaft zones. Although this programme did not appreciably extend the A-South Zone, the holes were extended southwest beyond the A-South structure where good values were encountered in the Shaft Zone. South east of the shaft, drill hole 3383-25 cut 8.20 g/t over 9.20m and drill hole 3382-26 cut 13.1 g/t over 8.0 metres. This indicated the Shaft Zones, although becoming narrow just below the old workings, they did 'open up' again at depth. Continued drilling resulted in the discovery of the West Zone in July 1986 and the East Zones in January 1987. At the conclusion this programme in May 1987, an additional 51 holes had been drilled, (3382-24 to 3382-74) and the drill indicated plus probable and proven reserves stood at about 500,000 tonnes at a grade of 7.0 g/t.

In May 1987 a decision was made to proceed with underground exploration of the deposits.

PROPERTY DESCRIPTION

The South Rundle property consists of 324 hectares of Patented Mining Lands made up of Parcel 9124 SWS in Newton Township and Parcel 10,879 SWS in Newton and Dale Townships, District of Sudbury.

The property is owned jointly by:

Novamin Resources Inc. &
Rundle Gold Mines Ltd.,

wholly owned subsidiaries of

Novamin Inc.
Suite 400
118 Eglinton Ave. West
TORONTO, Ontario, M4R 1A3

which in turn is a wholly owned subsidiary of

Breakwater Resources Ltd.
Suite 1440
625 Howe Street
VANCOUVER, B.C. V6C2T6.

BLOCK SYSTEM, BASE LINES, SECTIONS

The area around the deposit is divided up into blocks representing the 1:200 scale plans. The blocks are 175m east-west by 150m north-south. Block B covers the West Zone, Block VI covers the Shaft Zones and Block VII covers the East Zones.

During the surface diamond drilling stage, the ore shoots were interpreted to strike at about 110 deg. Hence a 110 deg. base line was set up sections with sections at 200 deg. The 500SE section of this system passes through the shaft. Later underground mapping, as noted below, indicated that the ore shoots to have a 135 to 140 deg. trend. A new system was then set up about a 135 deg. base line. The 1000NE and 1000SE point on this new system is at survey coordinate 2000N/3000E.

Surface drill section shown are plotted with respect to the 110 deg. system whereas sections for underground holes are plotted on the 135 deg. system.

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Suite 400
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TORONTO, Ontario, M4R 1A3

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Surface drill section shown are plotted with respect to the 110 deg. system whereas sections for underground holes are plotted on the 135 deg. system.

GEOLOGY OF THE SOUTH RUNDLE DEPOSITS

Geological Setting: The Rundle properties lie in the Swayze greenstone belt. The south Rundle part is underlain by a south-facing, north to south sequence of

- 1/ mafic, pillowed flows;
- 2/ intermediate pyroclastics;
- 3/ mafic tuffs and greywackes with minor flows;
- 4/ a 50 to 100m thick unit of ultramafic flows (chemically basaltic komatiites)
- 5/ fine grained, pillowed and coarse grained mafic flows;

Dips are steep to the north (i.e. overturned) and the regional strike is east-west.

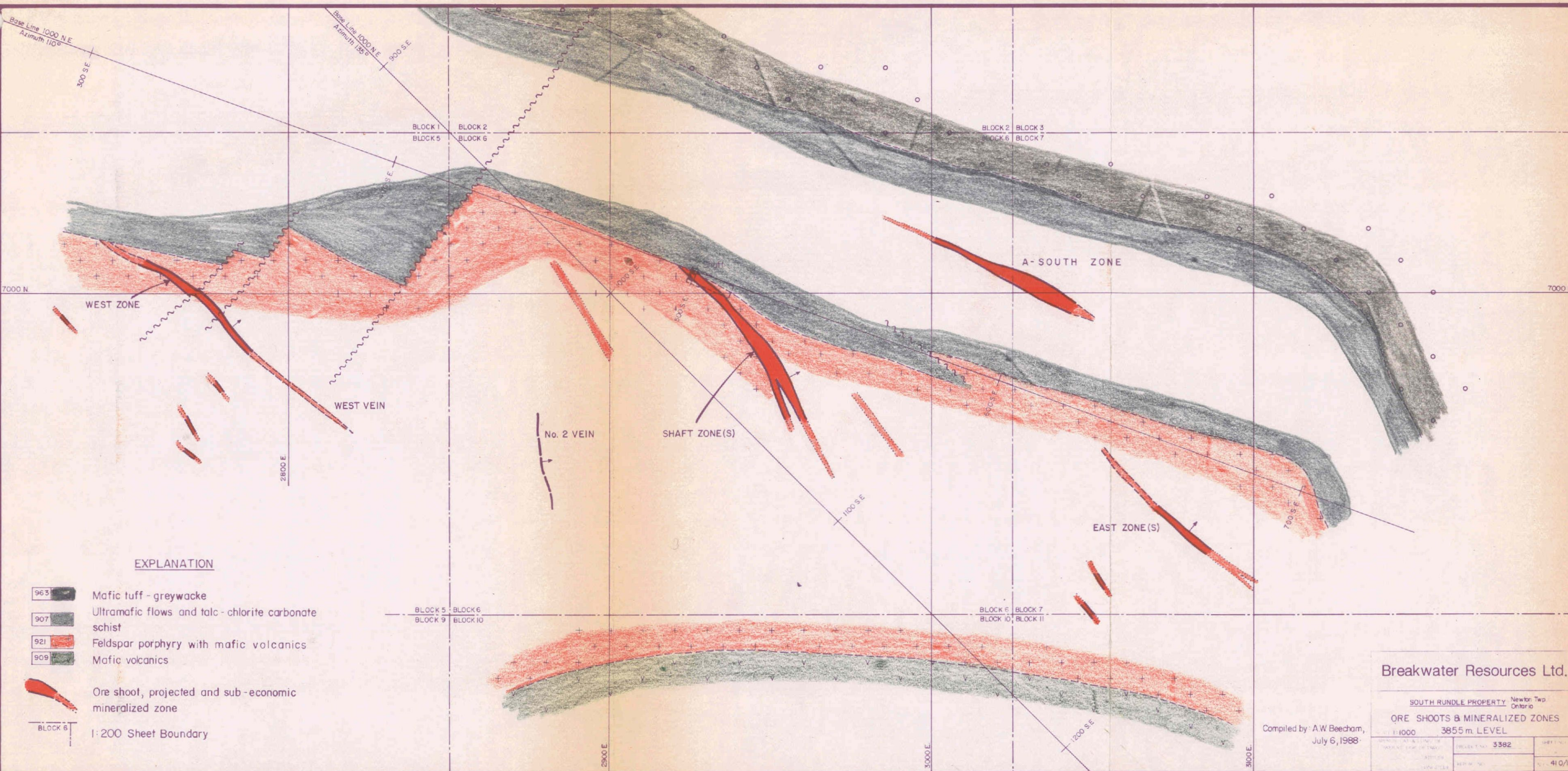
A more or less E-W shear disrupts the sequence. In the area of the deposits, the shear coincides more or less with the south contact of the ultramafic (UM.) unit. A feldspar porphyry stock, some 2300m long and up to 180m thick intrudes along this shear. The intrusion is at a point where the flows south of the UM. from a local 'S' fold (either a drag fold or cross fold) and the porphyry itself has the shape of a flattened, open 'S'. The contacts of the stock, particularly the northern contact, are characterized by numerous slices and inclusions of mafic volcanics and sections of intrusive breccia.

A zone of strong deformation passes through the mid to northern parts of the property affecting the ultramafics and the tuff-greywacke unit to the north. In the ultramafics deformation is concentrated in zones of talc-chlorite-carbonate schist. South the the UM., the flows are generally undeformed.

A number of 160 deg. and 020 to 050 deg faults disrupt the formations. The porphyry and surrounding mafic volcanics are intensely fractured and many minor faults are recognized.


Description of Deposits: The important S. Rundle gold deposits lie at the north contact of the eastern portion of the feldspar porphyry (FP.) intrusive . They consist of networks of fine mineralized fractures and fracture controlled pyritic alteration and fine quartz veins. The interpretation of the main ore zones prior to exposure in the decline was that they were developed in 2 or more mineralized shear zones, known as the B-North and the B-South zones, which more or less paralleled the FP-UM. contact at 110 deg. Underground mapping, however, revealed that the control was actually oblique cross-fractures at a preferred orientation of about 160 deg. and a less prominent set at 020 deg.

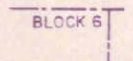
The ore shoots consist of zones of mineralized fractures which as a unit trend mostly 135 to 150 degrees. The shoots



EXPLANATION

- 963 Mafic tuff - greywacke
- 907 Ultramafic flows and talc-chlorite carbonate schist
- 921 Feldspar porphyry with mafic volcanics
- 909 Mafic volcanics

 Ore shoot, projected and sub-economic mineralized zone

 1:200 Sheet Boundary

Breakwater Resources Ltd.

SOUTH RUNDLE PROPERTY Newlon Twp Ontario
 ORE SHOOTS & MINERALIZED ZONES
 1:1000 3855 m. LEVEL

Compiled by: A.W. Beecham,
 July 6, 1988

PROJECT NO. 3382	SHEET NO. 410/6
------------------	-----------------

Fig 2

have strike lengths of 30 to 80m but appear to be continuous down dip over 100's of metres. The main control of the mineralization appears to be the intersection of the dominant 160 deg. fractures set with a strong shear zone along the south contact of the UM. The fractures are mineralized only a short distance (30 to 80m) SE of the UM. To the north within the UM. they are not recognized at all.

Mineralization and Alteration: Gold values occur with quartz-carbonate (Fe dolomite) altered, silicified or finely quartz-veined rocks. In the porphyry, the good values are in pale grey, bleached material with a few percent pyrite. Red altered porphyry with minor pyrite, specular hematite and fine magnetite occurs peripherally and contains only low values. Pervasive, red alteration of the porphyry extends far beyond ore grade values and in general affects the north 50m of the stock. Fine sericite is present eastward from the shaft area, but it is not closely associated with gold values.

In the mafic volcanics, good gold values occur in pyritic, light grey alteration. This is a distinct, fine quartz-carbonate fracture controlled alteration. Pyrite contents are from a few % up to 15 or 20 %. Some of the best ore concentrations are in intrusive breccias of mafic volcanics and porphyry (hybrid rocks). Mafic volcanics in large areas peripheral to the gold deposits contain epidote, pyrite and fine magnetite.

Minor amounts of scheelite occurs away from gold values in calcite-epidote-garnet veinlets. Although not usually seen megascopically, in polished section small amounts of auriferous chalcopyrite have been observed in the shaft zone by Love.

Shaft Zones: These are the largest ore concentrations found to date. The zones are exposed on the 46m and 91m levels and in the 4 legs of the decline. They have been traced from surface down to 400m.

Where best developed, on leg I of the decline and the 46m level, some 4 to 5, 140 deg. to 150 deg. trending fracture zones are present. These coalesce to form a mining unit up to 15m thick. The shaft zones simplify downward with 2 dominant zones from leg III to about 175m depth. Below this, the widely-spaced surface drill data suggests only one zone. However, this single structure does appear to lengthen considerably at depth, possibly up to 110m.

No. 2 Vein: This is a narrow quartz vein with a few percent pyrite and with red alteration of the wall rocks. It lies entirely within the porphyry about 40 to 50m SW of the Shaft Zones. The vein makes ore over a strike length of about 25m. It has been opened up on the 46m and 91m levels. Two holes of this programme tested the vein below the 91m level. Previous surface holes, H-60 and 3382-8 intersected the vein at depths of 160m and 225m respectively.

West Zone, West Vein: These structures were not tested in this programme. However, recent compilation of diamond drill level plans has produced a new interpretation. This is that the West Zone as seen in dh. 3382-35, and the West Vein (the quartz vein exposed on the surface) are one and the same structure.

The West Zone as seen in DH. 3382-35 is typical pyritic, altered volcanics and porphyry the same as the Shaft Zones, while the West Vein part is a quartz vein or stockwork in altered porphyry the same as the No. 2 Vein.

East Zones: The East Zones are located about 150m SE of, and have a very similar setting to the Shaft Zones. However, at depths down to 200m they consist of only a single, short shoot. The East Zones are only well developed, containing 2 or more zones, below 200m. The zones have been traced from near surface to a depth of 400m. As noted in underground diamond drilling, 2 holes drilled from the 195m level helped to substantiate the interpretation based on surface drilling that the shoots strike about 135 deg.

A-South Zone: This structure (See fig.2) is distinctly different than the West, Shaft or East Zones. The shoot is developed within a conformable shear zone within the ultramafic flows and strikes about 110 deg. Gold values are associated with quartz veining at the pinch-out of a feldspar porphyry sill where the sill intrudes a thin, cherty, pyritic interflow sediment. The shoot appears to plunge westward. As noted in surface drilling it was tested with several surface drill holes. As well a sub level was developed from the decline at about 120m depth. Chip and muck assays are shown on the assay plans. The eastern part of the sub level carries moderate values over a 16m length, and in the last face, some visible gold is present and a combination of chips and drill core samples indicate a 5.5m section assaying 8.65 g/t gold.

S.E. Vein Cluster: These zones are developed in mafic volcanics south of the porphyry stock. The cluster lies more or less on strike with the Shaft and East Zones and the fractures have the same preferred strikes. Although very well exposed on surface, only low grade material over minimum mining widths is outlined. No work was done on the SE. Vein Cluster in this programme.

SURFACE AND UNDERGROUND INSTALLATIONS (by C.B. C-Dunlop)**ROAD CONSTRUCTION**

On May 25th 1987, J.S. Redpath Ltd. the selected mining and engineering contractor, began the supervision of the Leo Alarie and Sons Ltd. on the upgrading of the 27 km road into the Rundle mine site. The upgrading, widening and straightening to allow year round access was partially funded by a N.O.R.D. grant and was a joint effort by Novamin, Dome and Northgate Exploration. The work was completed by mid July 1987, following several modifications ordered by the Ministry of Natural Resources and the N.O.R.D. committee.

The first part of the road (from just west of the Swayze River to the Dore forestry road) was later by-passed and shortened by Northgate Exploration so that the present distance from the forestry road to the Rundle site is now about 24 km.

SITE AND SURFACE FACILITIES

Site slashers began brush clearing on June 19th and by June 30th, 1987 the site was clear of all trees and undergrowth, including a 50 FT (minimum) cleared fire break around all proposed buildings or installation locations.

GENERAL FACILITIES

To support the underground exploration program, a 45-man camp was rented from and installed under the supervision of J.S. Redpath Ltd. The camp was supported by an approved septic system and a registered Land fill site. Potable water was pumped via a burried/heat traced line from nearby Pond No. 1. During peak periods, additional trailers, capable of housing 20 men, were brought in on demand.

Energy equipment, such as generators, compressors and the main electrical sub-station were trailered to the site as mobile, self contained units.

During the excavation of the old shaft collar and hoist foundations, equipment was retained to establish primary and secondary retention ponds, lined with clay, of approximately 40 FT by 40 FT by 7 FT deep dimensions. The polished overflow was eventually discharged through a swamp to Pond No. 2.

A laydown area of approximately 90m by 50m was cleared and leveled to receive rounds of broken muck awaiting assay results, while traversing the mineralized zones.

DECLINE SUPPORT FACILITIES

A 60 FT x 40 FT tent with a slab concrete floor, served as the mechanical shop during the decline excavation. Warehousing of machine parts and other consumables were contained within 2 forty-foot highway trailers. Fuel for the underground trackless equipment was bled from a 1000 gallon tank, separate from the main generator bunker.

As the demand for additional electrical power increased, 3 sked-mounted 600kva generators, were brought in and housed under a tent similar to the mechanical shop, to replace the two 500 KVA units housed in a highway van.

SHAFT SUPPORT FACILITIES

In order to dewater, rehabilitate and deepen the existing 372 FT deep, 2 compartment shaft, a headframe and hoist were required. Novamin selected a 1928, 5 FT, double drum Ingersoll Rand hoist which was available at it's O'Brien Division at Cadillac, Quebec. Redpath removed the hoist from O'Brien, rehabilitated it and installed it under a 40 FT by 50 FT steel clad, Butler type building. R and W Mining and Milling Ltd. of Timmins was sub-contracted through Redpath to erect a 70 FT, 2 compartment timber headframe, from which shaft muck was dumped directly to the ground and removed with a loader, as a bin was not required for exploration purposes. The headframe, although suitable for sinking, is not approved for production, due to construction deficiencies.

DECLINE EXCAVATION

Excavation for the portal location began June 24th 1987 and by July 13th, 40FT of portal was complete and secure and the decline underway.

The 10 FT by 13FT exploration decline was designed to traverse the mineralized zones at -20%, bulk sampling and exposing the mineralization for detailed mapping and grade analysis. The four traversing legs of the decline were to provide, in conjunction with detailed diamond drilling, sufficient information to determine and establish the nature and mode of gold mineralization in the upper part of the Shaft Zone. Results of this displayed on the 3 sets of decline and level plans, Fig. 4, 5 and 6.

By Nov. 14 1987, 3600.97 FT (1,097.5) of exploration development had been completed. Of the total footage, 407.64 FT (124.2m) was cross-cuts to the hanging or footwall of the mineralized zone, which also served as remuck bays, diamond drill stations and explosive magazines. To access the 46m and 91m

levels 264.4 FT (80.5m) was developed in the form of flat drifts. The ultimate vertical depth achieved by the decline was 392.06FT (119.5m).

The four legs of the decline bulk sampled a total of 472.44FT (143.9m) of the upper Shaft Zone mineralization and 196.85 FT (59.9m) of the A-South Zone.

SHAFT DEWATER, REHABILITATION AND EXCAVATION

Shaft dewatering began July 15 th 1987 and by August 17th, the shaft was dewatered and rehabilitated to 308.4 ft (94m) below the collar.

Rehabilitation, primarily consisted of replacing the manway, ladders, pipe, and in places re-nailing or re-blocking the tight lining. The shaft timber was in excellent condition and professionally installed.

On October 8th 1987, the first bench was blasted following a lengthy hoist installation, due to a lack of electrical components. By Dec. 1 1987, 304.79 FT, (92.9m) of shaft had been sunk, bringing the deepened shaft bottom to 680.5 FT, (207.4m). Two partial stations were excavated at 145m and 195m from surface. Lip pocket excavations were made 35 FT, (10.7m) below each of the 2 new levels in anticipation of exploration drifting to establish drill platforms. The 195m level lip pocket raise of 42 FT was driven to break through in the station. As no development was carried out on the 2 new levels, the mechanical pockets were not installed.

STANDBY PERIOD

Following the Dec. 1st completion of the shaft, diamond drills werre moved into the decline for deliniation drilling and into the 120m sub level for fill-in drilling of the shaft zone from 140m to 225m depth. An electric drill was set up in the 195m shaft station for deep testing of the East Zone. Diamond drilling was completed Dec. 18 1987 and all crews and contractors demobilized by Jan. 20 1988.

78	620SE	82.0-90.3	8.3m	6.92	70m+-	A South
		137.9-139.3	1.5	3.2		East
		167.5-169.0	1.5	8.8		East
80	660SE	42.96-43.88	0.96	2.7	34m	Zone A South
		106.3-110.4	4.1	8.4	82	East
81	660SE	65.5-68.25	2.75	4.41	45	East
85	620SE	126.0-129.7	3.7m	4.67g	105	Zone A South

Southeast Part of Porphyry:

Three drill holes 3382-79, 82, and 83 tested for deep potential in this area. See Longitudinal projection, Fig.____. Values, however, instead of increasing with depth, as hypothesized appear to decrease with depth. Only minor values were encountered as listed below:

DH	SECT.	FROM	TO	LENGTH	G/T Au	VERT. DEPTH	REMARKS
#79	850SE	365.0	366.21	1.21	2.0		Carb. UM.
		439.2	439.7	0.5	1.0		In FP stock
#82	800SE	459.8	460.7	0.9	1.1	417	N edge stock

UNDERGROUND DIAMOND DRILLING

Between 4 Sept. 1987 and 16 Dec. 1987, 103 holes were drilled for a total meterage of 3435.36. The drilling was done from the 4 legs of the decline, from the 91m level of the old workings and from the shaft station of the 195m level.

Drilling from the decline was to sample and determine the extent of the shaft zones and to explore favourable ground both to the SE and the NW of the Shaft Zones which could readily be reached from the decline. Due to the erratic nature of the gold values it was found necessary to drill as close as 10 and even 5m in order to determine continuity of the zones.

On the 91m one hole was drilled to test continuity of values between the 2nd and 3rd leg of the decline and 2 down holes tested the downward extension of the No. 2 Vein which lies SW of the Shaft Zones.

Fill-in drilling of the Shaft Zones between depths of 140 and 225m was done from the 120m Sub Dr. on the A-South Structure. The purpose was to establish better continuity in this important ore block.

In an attempt to better establish the attitude of strike of the east zones, two relatively long holes were drilled to the SE from the 195m level shaft station.

While driving was in progress, no drilling could be done from the decline itself. However, during this time, some horizontal fans were drilled from the short cross-cuts on legs I to III. After early November, drill sites were available for continuous drilling, at first on the 91m level and then in the decline. With the completion of the decline, and the 120m Sub level in mid November, drilling was accelerated with up to 4 machines at work (2 bazookas, 1 JVA and 1 large electric drill.). Drilling was completed 18 December, but core logging and sampling extended into January 1988.

Decline Leg I Diamond Drilling: Some 24 short holes were drilled from the leg I and cross-cuts. Results are plotted on the Leg I Assay Plan.

Combined with face and wall chip samples, the drilling data outline a 45m by 15m ore lens for the main Shaft Zone. This lens strikes about 145 deg. Values are somewhat erratic, even in this, the best sector of ore outlined to date and very detailed drilling was necessary. A second, parallel zone lies 5 to 10m to the NE. This is lower grade, narrow and values are discontinuous. West of the main Shaft Zone a short ore grade lens is outlined by chip sampling and drilling.

About 70m east of the Shaft Zones 2 drill holes, 1-15 and 1-16 indicate an extension of the Portal Zone to the NW of the Decline.

Based on drill intersections, and bulk sampling in the

decline and a few chips samples, the 3 Shaft Zone lenses are calculated to contain 2160 tonnes per vertical metre at at grade of 6.07 g/t.

Decline Leg II Diamond Drilling: Here, 21 holes were drilled to explore for and sample mineralized zones adjacent to the Decline. Three ore lenses parallel to those outlined on Leg I above are indicated. Again, on the basis of drilling and bulk sampling, a total of 1450 tonnes/vert. m. at 5.92 g/t was outlined. Drilling to the SE of the Shaft Zones although some values were intersected, did not outline any ore zones.

Decline Leg III Diamond Drilling: On the third leg, 19 short holes were drilled. Grades here are generally lower and values less continuous decreasing the certainty of the ore blocks. Two zones are outlined south of the shaft. They have trends of 140 to 155 degrees. A third zone to the north, trending about 115 deg. (about parallel to the porphyry-ultramafic contact) appears at this elevation. (It is not evident higher up.).

Based, again on diamond drilling plus bulk sampling, and chip sampling, the 3 zones here are estimated to contain 910 tonnes/vert. m. at a grade of 5.14 g/t gold. However, the main structure is open to the southeast (beyond dh. 2-47).

Three holes tested interesting values to the SE of the Shaft Zones. However, no 'ore' seems to be developed here.

91m Level Diamond Drilling: Ten flat holes were fanned from locations in the old workins and from the access drift joining the decline and the old workings. As with leg III, most of the values are in 2 zones trending 140 to 145 deg. The SW zone, based on 6 drill holes and some chip sampling by Hollinger, appears to have good, consistent values, much better than for leg III only 10m above. The NE zone is outlined by 2 holes and chip samples. An unusual NE trending zone forms a 'ladder rung' between the 2 NW-SE trending zones. Theses three zones total 930 tonnes/vert. m. at a grade of 6.92 g/t gold.

A near horizontal dacite dyke obscures and cuts off the NE zone and the NW end of the SW zone. Further drilling would almost certainly extend these ore zones.

One up-hole, 2-63 was drilled from the 91m level cross-cut at a point about 75m SW of the shaft. This tested the shaft zones for vertical continuity between the 2nd and 3rd legs of the decline. Two ore-grade zones which correspond more or less to the 2 main shaft zones were cut as follows:

From	To	Core Length m	g/t Gold
47.0	49.5	2.5	9.81
52.84	59.0	6.16	7.59

Other drilling on the 91m consisted of 2 short down holes,
15/...

2-59 and 2-60, to test the down dip extension of the No. 2 Vein. On section 1010SE (135 BL) dh. 2-59 cut sub-economic values. On section 1030SE, dh. 2-60 cut 13.6 g/t over 0.7m in the No. 2 Vein.

Decline Leg IV Diamond Drilling: Seventeen, 5 to 10m spaced, horizontal holes were drilled on this leg. The SW Shaft Zone is reasonably well defined by drilling and some chip sampling. The NE band here, is not continuous. These 2 bands make up 820 t/vert. m. at 5.5g/t. Both of the bands are open to the SE.

Shaft Zones Diamond Drilling, 140 to 225m Depth: Eight down holes ere drilled from the 120m sub-level drift on the A-South structure. Results of these are best viewed on the longitudinal. The effect of these holes has been to confirm the reserves previously assumed on the basis of widely-spaced surface drill holes. As is apparent on the 4 legs of the decline, the SW Shaft Zone decreases in importance with depth while, on the other hand, the NE Shaft Zone which is discontinuous at higher elevations, becomes the dominant ore structure below about the 145m level. (i.e. the zones are en echelon stepping northeastward with depth.)

Holes from the 120 sub-drift on the A-South Zone cut values near the collars in the footwall of the A-South Zone.

The better values for both the Shaft and A-South Zones are tabulated below:

DH.	Sect(SE)	Elev.	From	To	Length	Assay(g/t)	Zone
3-24	1050	3857	56.8	62.5	5.7	4.46	NE. Shaft
		3853	71.95	75.1	3.15	9.18	SW Shaft
3-25	1050	3816	83.15	85.04	1.89	6.28	NE Shaft
3-26	1090	3876	0	3.36	3.36	5.51	A-South
3-27	1070	3872	6.0	7.0	1.0	12.17	A-South
		3807	83.0	86.29	3.29	6.71	NE Shaft
3-28	1090	3878	1.1	3.3	2.2	3.19	A-South
		3816	82.24	83.49	1.25	3.77	Shaft
		3808	91.42	93.51	2.09	6.33	Shaft
3-29	1090	3877	1.13	3.84	2.71	11.84	A-South
	1110	3821	81.9	83.55	1.65	4.32	Shaft
	1110	3817	87.3	88.2	0.9	4.94	Shaft

3-30 1080	3873	8.9	9.6	0.7	6.79	A-South SW Shaft
	3775	106.63	111.49	4.86	7.79	
3-31 1100	3876	1.5	4.7	3.2	15.99	A-South Shaft
	3778	105.3	111.7	6.4	10.45 (uncut)	

East Zone Diamond Drilling From 195 Level: Two holes were drilled downward in a southeastern direction from the 195m shaft station. This was done on the advise of management to test the strike of the East Zone. The holes are not only drilled down dip, but also at a small angle to the apparent strike of the zones.

Both holes cut wide sections of good grade material near the collars in the shaft zones. In the East Zones, dh. 4-01, the hole closer to the ultramafic contact, cut a wide zone of good values in the east zones. DH. 4-02 fanned farther south of the ultramafic contact cut only low to moderate values over short lengths. The width of the zones as indicated in core is greatly exaggerated because of the small angles at which the zones are intersected.

The positioning of the East Zone intersections on plan seems to confirm the 135 deg. trend suggested by the surface drilling.

A summary of values cut in holes 4-01 and 4-02 is listed below:

<u>DH.</u>	<u>From</u>	<u>To</u>	<u>Core Length</u>	<u>Assay</u>	<u>Zone</u>
4-01	14.0	21.3	7.3	16.21	Shaft
	31.0	36.1	5.1	11.21	Shaft
	176.5	185.5	9.0	4.04	East
	185.5	198.5	13.0	8.19	East
	204.0	205.5	1.5	10.05	East
4-02	13.67	15.29	1.62	3.89	Shaft
	23.24	39.02	15.78	12.46	Shaft
	47.86	49.3	1.44	10.83	Shaft
	199.58	200.2	0.62	5.38	East
	217.63	219.41	2.0	10.04	East

SAMPLING

Chip Sampling: Systematic face and wall sampling was done on most of the decline and branch headings. In most cases, 3 or 4 samples were taken across each face arranged to define the mineralization and veins. Sample lengths vary from 0.3 to 2.0, but are mostly about 1.5m. Walls through mineralized rocks were sampled at 1.5m intervals or less if necessary. The chip samples ideally consisted of a 0.5m high panels.

Results of this work are shown on the Decline Assay Plans.

Muck Sampling: All mineralized muck was sampled. In the early part of the work, one 10 to 20 lb. sample per round was taken. This was later changed to five, 5 to 10 lb. samples per round. These samples, referred as grab samples were sent for assay immediately to determine (in cases where visual assessment was uncertain). Results of this work are shown on the decline muck assay plans.

Bulk Muck Sampling: One of the main purposes of the programme was to determine the grade of the Shaft Zones by bulk sampling.

Rounds determined, usually visually or by grab sampling, to be ore or near ore were placed on the lay down pad. Here, an approximately 200 lb. sample was taken from each 90 to 100 ton round. Samples were taken with a muck scoop to give a reasonably representative sample with respect to size fraction.

The bulk muck samples were crushed to $\sim 1/4$ inch, coned and split into 9 sectors for separate assays. Each bulk sample consisted of 2 bags which in most cases became separated so that each bag was often cut into 9 sectors. Hence, many of the samples actually have 18 separate determinations.

Averages of bulk muck assays are shown for each round on the Muck Assay Plans. They are considerably lower than the grab mucks assays. The gold which is mostly contained in the pyrite is apparently concentrated in the fines, as pyrite is more friable than the gangue. The smaller grab samples which were mostly collected with the hand are thought to have preferentially included more fines as compared to the bulk muck sample collected with a muck scoop. However, as the discrepancies are particularly large in the high grade end some comparative assaying was done at other laboratories. This work is presently in progress and is not reported here.

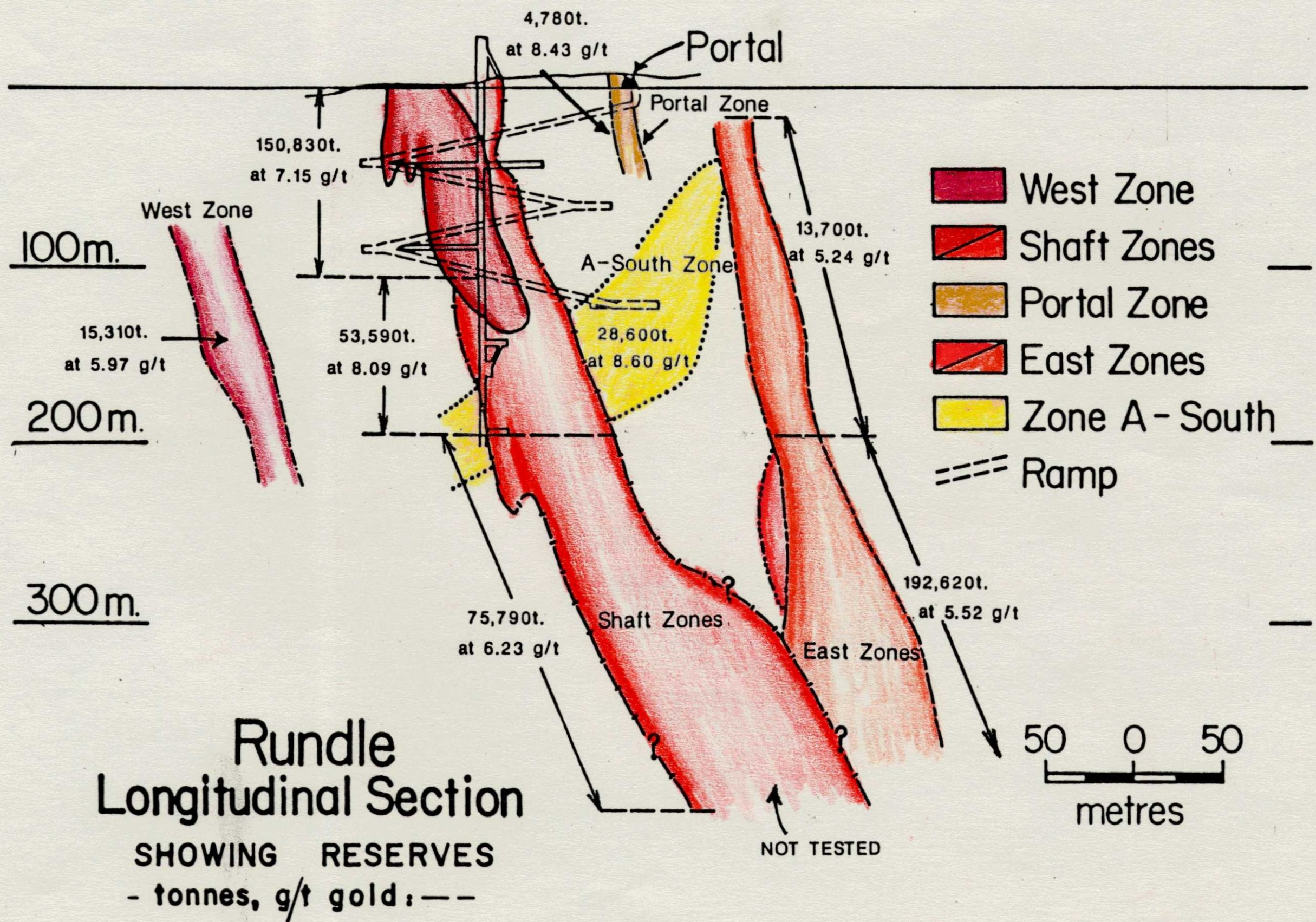
RESERVE INVENTORY

After the shut down of the operations in January, (1988), reserves were updated (Beecham 17 Feb. 1988).

For the upper part of the Shaft Zones which was exposed on the 46 and 91m levels and in the decline, various combinations of bulk mucks, drill core and chip assay data were used.

In the case of the drill indicated and drill inferred reserves, these were calculated from longitudinal projections. A cut off of 3.4 g/t and minimum mining width of 1.5m was used. The area of influence around each hole was made up by projecting up to 10m horizontally and up to 20m or more vertically.

Results from these data are summarized in table form below: A further study of the analytical and sampling techniques and re-interpretation of the ore zones is in progress. Upon completion of this, another reserve figure will be calculated. In light of the data to date, it is expected that both grade and tonnage will increase slightly.



18a

SUMMARY OF MINERAL INVENTORY SOUTH RUNDLE

ZONES	REMARKS	TONNES	GRADE G/T	CATEGORY
<u>Shaft Zones</u>	Surface	13,090	12.0	established by by detailed u/g drilling, chip and muck samples & raising;
	Decl L I	45,560	5.89	
	46m lev.	15,090	7.52	
	Decl L II	25,250	5.88	
	Decl L III	16,710	5.17	
	91m Lev.	9550	7.03	
	Decl.L IV	14,430	5.52	
<u>#2 Vein</u>	Surface	1900	8.02	"
	high assays cut to 34.386			
	46m Level	4440	27.67	"
	uncut as highs continuous over 9 m;			
	91m Level	4810	4.04	"
	isolated high assays cut to 34.286;			
		150,830 t	7.15 g/t	
<u>Shaft Zones</u>				
4th Leg Decline to 195m Lev.	NE. Structure based on 9 u/g & surf. dh.	40,790	8.73	Established by dd on approx. 10x20m spacing;
	SW Shaft Structure	12,800	6.06	"
		53,590 t	8.07g/t	
<u>Portal Zone</u>				
	Surface & Decline Leg I	4,780	8.43	Establish by surf sampling & detailed u/g dd.
TOTAL RESERVES ESTABLISHED BY UNDERGROUND PROGRAMME SURFACE TO 195m LEVEL		209,200 t	7.42 g/t	

ZONES	REMARKS	TONNES	GRADE g/t	CATEGORY
<u>Shaft Zone(s)</u> 195m Lev. -400m Lev.	8 surf. & 2 u/g dh	75,790	6.23	Drill inferred based on 50m x 20m dh spacing
<u>East Zone</u> surf. to 195m Lev.	6 surf. dh.	13,700	5.24	"
<u>East Zone</u> 195m Lev. to 470m	10 surf. dh.	192,620	5.52	"
<u>West Zone</u>	2 surf. dh 85m to 185m depth;	15,310	5.97	"
<u>Zone A</u> <u>South</u>	4 surf. dh.	28,200	8.60	

TOTAL RESERVE ALL
CATEGORIES ABOVE 195M LEV. 266,410 t 7.35 g/t

TOTAL RESERVE
BELOW 195m LEVEL 268,410 t 5.72 g/t

GRANDE TOTAL 534,820 t 6.53 g/t

(589,532 sh. tons @ 0.19 opt)

METALLURGICAL TESTING SUMMARY (by C.B. C-Dunlop)

Wright Engineers Ltd. were engaged in conjunction with Lakefield Research to perform preliminary bench test metallurgical investigations. The conclusions of the preliminary investigations are as follows:

- 1/ Direct cyanidation of the ore results in gold extractions of 95% with low cyanide and lime consumption.
- 2/ Flotation of a bulk sulphide concentrate can recover 97 % of the gold values into a concentrate containing only 15% of the feed weight. 95% of the gold in this concentrate can be recovered by cyanidation. This process route therefore can yield 92% overall recovery.
- 3/ The bond work index of the ore is 20.2 Kwh/metric tonne. This is somewhat higher than was expected from the subjective observations on how the ore reacts to grinding in the laboratory.
- 4/ Microscopy was performed to determine the mineralogical association of the gold, but could only detect fine gold in pyrite.



Date: 15 July 1988

A.W. Beecham

A.W. Beecham,
Senior Geologist
Breakwater Resources Ltd.

Date: 11 July 1988

C.B. Cunningham-Dunlop

C.B. Cunningham-Dunlop
Manager of Projects
Breakwater Resources Ltd.

APPENDIX I

DECLARATION AND QUALIFICATIONS OF WRITERS

D E C L A R A T I O N

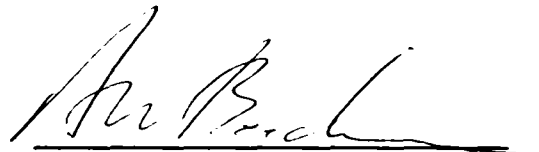
This is to state that I, Arthur W. Beecham hold a Bachelor of Science degree (1962) from the Dept. of Geology, Carleton University, Ottawa and a Master of Science degree in Geology (1969) from the School of Graduate Studies, Queen's University Kingston, Ontario. I am a Fellow of the Geological Association of Canada.

Since 1963 I have practised my profession continuously or been engaged in graduate studies.

I am presently employed as Senior Geologist by Breakwater Resources Ltd.

I personally supervised or carried out the work outlined in this report.

9 July 1968
Date


A.W. Beecham

DECLARATION

This is to state that I, C. Bruce Cunningham-Dunlop, hold a Mining Technologist Degree (1981) from the Haileybury School of Mines, Haileybury, Ontario.

Since 1974 I have practised in the mining industry continuously.

I am presently employed as Manager of Projects by Breakwater Resources Ltd.

I personally supervised or carried out the work outline in this report.

July 11, 1988
Date:


C.B. Cunningham-Dunlop

APPENDIX II ASSAY LABORATORIES

At the beginning of the programme, samples were sent to Timmins Analytical Ltd. However, due to long turn around times at Timmins Analytical, the Technical Service Laboratory (TSL.) was used for the latter part of the work.

Approximate areas of the workings and drilling programmes covered by each laboratory are listed below:

Timmins Analytical Ltd.
McIntyre Road
Schumacher, Ont.
P0N 1G0

- 1/ All surface drilling, holes 3382-75 to 3382-85;
- 2/ chip and grab muck samples in the decline and cross-cuts from surface to end of Leg III (Round 143)

T.S.L. Ltd.
2031 Riverside Dr. Unit 2
Timmins, Ontario
P4N 7C3

- 1/ All bulk muck assays
- 2/ All underground drilling;
- 3/ Chip sampling & grab muck samples for Leg IV of decline (Round 144 onward), 91m access drift, 125m A-South Sub. Dr.,
- 4/ Shaft muck;

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle South	Newton Twp	20.06	04/09/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	05/09/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
1st level	1961.453 N	16.8	N Morissette Can.		
Grid No.	2937.080 E	Collar Elev.	Logged By:		
		3976.238	A.W. Beecham		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES: -B Zone East of Shaft Shoots								
0	2.4	ALTD FP	10401	0	1.5	1.5	tr	0.1
		-orange red; mod. fr and qc 5%	10402	1.5	2.8	1.3	tr	0.2
		-tr Py						
2.4	7.9	ALTD MAF. VOLC AND ALTD FP	10403	2.8	3.1	0.3	1	0.3
		- dk green, fg, fine wispy texture	10404	3.1	3.9	0.8	tr	0.7
		- foliated sections (possibly dykes) fol'n at 65'	10405	3.9	4.6	0.7	5	0.5
		- 2.9m -1cm lt grey qtz-Py trcp at 45'; minor qc	10406	4.6	5.6	1.0	.5-1	0.8
		- .5% diss Py except: 3.9-4.5 15% Py with lt grey	10407	5.6	6.9	1.3	1-2	1.3
		altn in 20cm and 10cm bands	10408	6.9	7.9	1.0	3	4.2
		4.5-6.0 1% diss and streaks						
		6.0-7.9 1-3% Py with strong calcite						
		F.P. dykes 3.0-3.2; 3.5-3.8						
7.9	11.7	ALTERED F.P.	10409	7.9	9.3	1.4	tr-.5	0.1
		-as 0-2.4 and minor wisps mafic volc at top	10410	9.3	10.7	1.4	tr-.5	-
		-strong orange red altn; minor qc veinlets;	10411	10.7	11.7	1.0	tr-.5	-
		qtz blebs at 10.7;						
		-tr .5% diss Py						
11.7	12.9	ULTRAMAFIC FLOW						
		-soft talcose, chl, spinifex and bx	10412	11.7	12.9	1.2	-	0.1
			10413	12.9	14.4	15	1	-
			10414	14.4	15.7	1.3	1	-
			10415	15.7	16.77	1.07	-	-

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
12.9	15.6	LAMPROPHYRE - dk grey brown- calcitic -mafic chel'd mafic phenocrysts; -cts 65-75'; 1% diss Py						
15.6	16.77	U.M. FLOW - as above						
	16.8	EOH Core size: Whole core sampled						
NOTE: Error in length rods corrected								

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle South	Newton Twp	350.40	5/09/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.	6/09/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
1st level	1961.392 N	20.4	N Morissette Can.		
Grid No.	2936.125 E	Collar Elev.	Logged By:		
#1 Sub Level		3976.350	A.W. Beecham		
Drift Ramp					

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES: -Zone B East of Shaft Shoots								
0.2	1.8	RED ALTD FP -stronge orange-red alt, 5% q.c. -up to 1% Py/ 10cm tr. overall	10416	0.2	1.7	1.5	tr	0.9
1.8	4.5	GREY-PINK FP -texture preserved 20% 2-5mm fsp and finer fsp in matrix; a little chl'd biotite - minor qtz -calcite with chl. veinlets; sections mod red alt; tr Py - 2.1-2.5 2, 15m sections foliated mafic inclusions	10417 10418	1.7 3.2	3.2 4.5	1.5 1.3	tr	0.2 0.3
4.5	8.4	ALTD MAFIC VOL. -dk grey-black, ard, fine grained, strongly mag't -strong fract comented with 5-10% calcite 7.3-7.6 lt grey-white qtz; bx veins, 20% qtz and 5% Py over 30cm; diss and scatterd grains Py	10419 10420 10421 10422	4.5 6.0 7.2 7.7	6.0 7.2 7.7 8.4	1.5 1.2 0.5 0.7	-0.5	0.3 nil 3.9 0.2
8.3	11.7	ALTD FP AND ALTD MAFIC VOLC -as above - fine augen struct; mod-strong fr. with qc veinlets; tr-minor diss Py in fp esp with strong red altn adjacent to qc veinlets 9.1-9.4 -4% Py with a little calcite lt grey altn 10.88-11.09 3% Py in int of bx mafic volcainc	10423 10424 10425 10426 10427	8.4 9.1 9.8 10.6 11.2	9.1 9.8 10.6 11.2 11.7	0.7 0.7 0.8 0.6 0.5	3-4 tr 6-7 .5-1	0.2 0.1 0.2 0.1 0.1

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
11.7	14.3	RED ALTD FP -mg red altd fp -locally few relict feldspars visible -few fg bio flakes -traces pale grey alteration with f.g. Py - .5-1% f.g. diss Py	10428 10429	11.7 13.2	13.2 14.3	1.5 1.1		0.1 -nd
14.3	16.0	ALTD MAFIC VOLCANICS -grey f.g. mafic volcanics -shot thru by a network of white dol veins; some calcite; .5-1% f.g. Py -FP dyke 15.57-15.72	10430 10431	14.3 15.0	15.0 16.0	0.7 1.0		0.6 0.5
16.0	19.05	ULTRAMAFIC VOLC -massive to locally spnifex u.m. -locally sheared - FP dyke 17.73-18.1	10432 10433	16.0 17.5	17.5 19.0	1.5 1.5		nd -"
19.05	20.06	LAMP DYKE -dk greenish grey lamp dyke 1-2% fg diss PY	10434	19.0	20.4	1.4		nd
20.06	20.40	TALC CHLORITE CARBONATE SCHIST -green, schistosity at 60°						
	20.40	EOH Core size LTK46 whole core sampled						

NOTE: originally shown as 68'-adjusted for 1.5m Rods vs 5ft
to give length of 20.4m

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle South	Newton Twp	49.81	06/09/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.	07/09/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
1st level	1960.066 N	21.4	N Morissette Can.		
Grid No.	2937.819 E	Collar Elev.	Logged By:		
		3976.65	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-B Zone East of Shaft Shoots								
0.0	6.06	ALTD PINK TO GREY F.P.	10435	0	1.5	1.5	.5-1.5	nil
		- pink to grey mg.g altd f.p.;	10436	1.5	3.0	1.5	.5-1.5	-
		- ghosts of relict feldspars visible	10437	3.0	4.5	1.5	.5-1.5	0.6
		- locally few flakes chloritic biotite	10438	4.5	6.1	1.6	.5-1.5	0.6
		-weak fabric at roughly 50'						
		- 1-2% white dol-qtz veins as infilling of hairline fractures; also a few scattered veins up to .5cm wide; 5%cm scale white doland qtz veins 4.2-6.06;						
		.5-1.5 % f.g. diss Py scattered throughout						
		-small mafic inclusion 4.06-4.11						
		-lamp dyke 4.94-5.05 cts at 45'; lower ct at 45'						
6.06	9.45	ALTD MAFIC VOLC	10439	6.1	7.5	1.4	1	nil
		med grey f.g. mafic volc	10440	7.5	9.0	1.5	1	-
		-wispy ro massive texture-magnetic	10441	9.0	9.45	0.45	1	-
		-pervasive calcitic altn, giving wispy texture; becomes dolomitic below 9.0m; 2% Py assoc with calcitic alt. 2% Py with qtz-carb alt 9.00-9.45						
		-some weak pale grey alt. in this section						
		- 2cm q.v. at 45; 8.09-8.11; red altd porphyry 6.46-6.62 cts at 40'; lower ct at 55'						

METRES		DESCRIPTION	Sample#	DRILL HOLE No. 1-003			Est. % Py	ASSAYS g/t Au
From	To			From	To	Length		
9.45	10.50	ALTD F.P. -pale greyish pink altd f.p. -pervasive pale grey qtz-carb altn; wisps chlorite -qtz carbonate alt -no relict feldspars - .5% v.f.g. diss Py - lower ct irregular	10442	9.45	10.50	1.05	.5	nd
10.5	12.22	QTZ-CARB ALTD MAFIC VOLCANICS -mafic volc; pervasiv pale grey qtz carb altn -fractured, cut by network of patches of pale grey qtz-carb on altn- breccia zone with brecc. altd fp and volc 11.40-11.57 - 5% white dol veinlets 10.5-11.2 - 4-5% fg to vfg diss Py assoc with qtz-carb altn - lower ct sheared at 50'; this section represents good ore; patch red altd fp 11.30-11.37	10443 10444	10.50 11.30	11.0 12.20	0.8 0.9	4-5 4-5	1.1 0.9
12.22	16.22	RED ALTERED F.P. - red mg altd fp- ghosts relict feldspar visible - 3-4% hairline fractures healed with dol-qtz - becomes less altd towards base grading to grey fp from 15.50-16.62	10445 10446 10447	12.20 13.70 15.20	13.7 15.20 16.20	1.5 1.5 1.0	tr tr tr	nd tr nd
16.22	21.40	U.M. VOLCS -pale grey green ultramafic volcanics - locally possibly spinifexed -altd brown grey Py from 19.4-19.60 adjacent to lamp dyke from 19.3-19.40	10448 10449 10450 10451	16.20 17.7 19.2 20.7	17.70 19.2 20.7 21.4	1.5 1.5 1.5 0.7	tr tr tr tr	tr nd - -
	21.40	EOH Core size LTK46 Whole core sampled						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
South Rundle	Newton Twp	17.37	07/09/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.	08/09/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
1st level	1980.618 N	15.	N Morissette Can.		
Grid No.	2906.100 E	Collar Elev.	Logged By:		
#1 -XCut North		3969.369	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-B North Zone north of ramp								
0.0	1.0	ALTD MAFIC VOLCANIC - fg grey green mafic volcanic - calcitic with 3-4% stringers calcite - 2% f.q. diss Py	10452	0	1.0	1.0	2	nil
1.0	6.5	RED ALTERED PORPHYRY - faint relict feldspars - good grey qtz-carb altn and porphyry 2.36-2.60 and 4.6-5.3 and 5.9-6.0 - well min'd altd mafic volc inclusions with qtz-carbonate altn- 2.60-2.89, 4.63-4.66 and 4.68-4.70, 4.90-5.10, 5.44-5.99; 2-5% fg to vfg diss Py assoc with grey altn in porphyry - up to 15-20% Py in highly altd sections - est 15% Py in inclusion from 2.60-2.89 other inclusions est 5% Py; 2% Py in porphyry 2.9-4.6; -fracture subparallel to core 3.20-4.60	10453 10454 10455 10456 10457 10458	1.0 2.4 2.9 3.9 4.6 5.9	2.4 2.9 3.9 4.6 5.9 6.5	1.4 0.5 1.0 0.7 1.3 0.6	tr 10 2 1 4 tr	nil 26.2 3.6 1.5 3.4 -
6.5	7.4	SHEARED U.M. -sheared um- grading towards talc-chl carb shist towards base; schistosity at 70°	10459	6.5	7.4	0.9	tr	nil
7.4	8.5	LAMP DYKE -fg to mg lamp dyke -5% biotite; - 2% f.q. diss Py	10460	7.4	8.5	1.1	2	nil

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
8.5	9.6	GREY TO PINK F.P. -grey to pink m.g. F.P. - 1-2% f.g. diss Py	10461	8.5	9.6	1.1		nd
9.6	10.5	TALC CHLORITE CARBONATE SCHIST -sheared ultramafics -schistosity at 80° -some qtz segregation	10462	9.6	10.5	0.9	-	"
10.5	15.0	HEMATITIC CHLORITIC HORNBLENDE F.P. - m.g. dark reddish grey hbde f.p. altered bright red with no relict fp 10.5-11.4 - rest of unit is chloritic and hematitic giving it redish colour -heavy white dolomite veining 10.6-10.9 - qtz flooding 10.9-11.0 - 1-2% diss Py along joint surfaces	10463 10464 10565	10.5 12.0 13.5	12.0 13.5 15.0	1.5 1.5 1.5	- - -	" " "
	15.0	EOH whole core sampled core size LTK 46						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	50.67	8/09/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.	9/09/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1980.057 N	15.4	N Morissette Can.		
Grid No.	2907.111 E	Collar Elev.	Logged By:		
R-490XCN(L-I)		3969.432	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							

OBJECTIVES:-to test B-north zone north #1XC N
1st leg

0.0	8.5	ALTERED RED F.P. WITH INCLUSIONS OF MAFIC VOLC.	10483	0	1.5	1.5	1	1.0
		0.0-1.54 red altd FP-many fine fractures with	10484	1.5	2.3	0.8	5	9.7
		white dolomite 1% f.g. diss Py	10485	2.3	3.8	1.5	.5-1	3.4
		1.54-2.32-sell min'zd mafic volc. inclusion	10486	3.8	4.5	0.7	.5	nd
		-extensive pale grey to beige qtz-carb alt'n	10487	4.5	5.6	1.1	3	-
		with f.g. diss Py est 5% Py 2.18-2.32-est 20% Py	10488	5.6	6.8	1.2	2	0.6
		2.32-3.80 -porphyry is tinged pale beige dut to	10489	6.8	7.4	0.6	.5	-
		qtz-carb alt .5-1% f.g. diss Py	10490	7.4	8.1	0.7	tr	tr
		3.80-4.50 -less pyrite and qtz-carb alt'n	10491	8.1	8.5	0.4	tr	-
		4.50-4.63 -small weakly min'zd inclusion of mafic						
		volcanics; 2-3% vfg diss Py						
		4.63-5.34 -red porphyry, pale beige alt'n with						
		1-2% Py 5.14-5.34						
		5.34-5.49 -well mineralized mafic inclusion-good						
		qtz-carb alteration with 5% Py						
		5.49-5.60 -brick red porphyry -network of fine						
		qtz veins and fg Py est 5% Py						
		5.60-6.84 -section of grey fg mafic volcanics						
		3% mm scale dol infilling of fractures, finer						
		fractures healed with calcite; 2% f.g. diss Py						
		6.84-7.12 -bright red altd prophyry; 1% diss Py						
		7.12-7.41 -mafic volcanic inclusion-cut by mm scale						
		fractures filled with dol and finer fractures with						
		calcite ; .5% Py						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
0.0	8.5	7.41-8.11 -red altd F.P. trace vfg diss Py 8.11-8.50 -mafic volc inclusion -cut by network of dolomite veins infilling fractures						
(CONTINUED)								
8.5	15.4	TALC-CHLORITE CARBONATE SCHIST -grey green talc chlorite carboate schist -many stringers calcite -locally faint relict spinifex texture; - 12.73-12.83 -band of f.g. red altd f.p. at 40'; 14.77-14.92 -vein of dolomite qtz at 15.20'	10492	8.5	10.0	1.5	tr	0.3
	15.4	EOH core size LTK-46 whole core sampled						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	79.704	18/10/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		2.58°	20/10/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1969.585 N	29.65	N Morissette Can.		
Grid No.	2905.427 E	Collar Elev.	Logged By:		
R-490XCN(L-1)		3969.62	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:--to test northeastern extent of mineralization on leg 1 east of the 490XCN								
0.0	8.6	PALE PINK TO RED ALTD F.P.	10575	0	1.5	1.5	tr	<.20
		-pale pink to pale grey highly altd f.p.	10576	1.5	3.0	1.5	tr	<.20
		-very hard, qtz flooded	10577	3.0	4.5	1.5	tr	0.82
		-weak fabric at ~30'; 3-4% hairline fractures	10578	4.5	6.0	1.5	tr	<.20
		healed with qtz-dolomite; veins-above hairline	10579	6.0	6.7	0.7	tr	<.20
		hairline fractures; 1% on scale qtz veins	10580	6.7	7.7	1.0	1-2	<.20
		-tr Py 0.0-6.0, 1-2% f.g. diss Py with reddish	10581	7.7	8.6	0.9	1-2	<.20
		fp with hairline fractures 0.7-8.6						
		-mafic inclusions 3.56-3.68 and 6.48-6.65						
		-below 6.0 development of 2ndary feldspars						
		and more redish hematitic colour to porphyry						
		-also porphyry is cut by numerous fine <1mm						
		scale qtz veinlets						
8.6	9.7	ALTD MAFIC VOLCANICS	10582	8.6	9.5	0.9	3-4	8.19
		-grey f.g. mafic volcanics	10583	9.5	9.8	0.3	15-20	51.51
		-pervasive pale grey brown qtz carb altn						
		-hairline fractures healed with qtz dvl.						
		-narrow 7mm qv at 20' at 9.2-9.3						
		-well min'd band of pale brown grey altn						
		at 70' along lower ct 9.53-9.63						
		- 3-4% f.g. diss Py assoc with pale grey altn						
		-fine fractures throughout with specular hematite						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
9.7	10.5	RED ALTD FP -m.g. pink altd f.p. -good relict feldspars - 1-2% f.g. diss Py; finely fract'd in qtz-carb altn; -lower ct. uncertain as ground core 10.5- 11.25 -few chips mafic volcs and red altd FP	10584	9.8	10.5	0.7		0.89
10.25	11.25	GROUND CORE -gew chips mafic volcanics and F.P.	10585	10.5	11.25	0.75		0.69
11.25	16.5	MAFIC VOLCANICS -grey f.g. mafic volcs; magnetic -very weakly chloritic, weakly calcitic; -massive, 1-2% hairline fract. healed with calc - 2-3% Py assoc. with patchy pale grey altn 11.25-13.00; tr-1% Py in rest; sections broken blocky core; lost core:0.30m from 12.2-13.00 and 0.6m from 13.9-15.50; lower ct sharp at 65'	10586 10587 10588 10589 10590	11.25 12.25 13.0 14.5 15.5	12.25 13.0 14.5 15.5 16.5	1.0 0.75 1.5 1.0 1.0		7.47 1.75 <.20 <.20 <.20
16.5	17.7	GREY F.P. DYKE -f.g. to m.g. grey FP - 35% feldspar phenocrysts; 5% biotite - weakly magnetic; weakly hematite; few felspar phenocrysts; lower ct sharp at 60-65'	10591	16.5	17.7	1.2		<.20
17.7	18.9	MAFIC VOLCANICS -as from 11.25-16.5 -not altd; 1-2% m.g. diss Py	10592	17.7	18.9	1.2		<.20
18.9	22.4	WEAKLY ALTD GREY F.P. -weakly altd grey mbg bio F.P; weakly altd red -altd increases to base as approach gradational -contact with next unit -flooded by fine grey qc-dolomitic altn,18.9-19.25 -2% f.g. to vfg diss Py 18.9-19.25; tr-1% Py with rest; -lost core 21.3-21.4, 0.1m; 21.4-23.0, 0.2m	10593 10594 10595	18.9 19.3 20.8	19.3 20.8 27.4	0.4 1.5 1.6		1.34 <.20 <.20

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
22.4	26.9	HYBRID ZONE	10596	22.4	23.9	1.5		<.20
		-red altd F.P. with inclusions of altd mafic	10597	23.9	25.4	1.5		<.20
		volcs; 23.3-23.46-well altd inclusion of mafic	10598	25.4	26.9	1.5		<.20
		volcanics with white dolomite veins and pale grey						
		altn 8-9% diss Py; 24.26-24.47-inclusion of altd						
		mafic volcanics with fractures filled with spec.						
		hematite 2-3% fg diss Py; 24.86-25.36 fractured						
		red FP with specular hematite along fractures						
		25.36-25.76- mafic inclusion, weakly altd tr Py						
		26.36-26.87- felsic lamp. dykes						
26.9	29.65	RED ALTD F.P.	10599	26.9	28.4	1.5		<.20
		-red mg altd FP; structure weakly foliated at 70'	10600	28.4	29.65	1.25		<.20
		fine fractures healed with qtz-dolomite;						
		tr fg diss Py						
	29.65	EOH						
		core size LTK-46						
		split core sampled						
		core lost						

Property Rundle Mine	TP. or Area Newton Twp	Azimuth 48.87	Date Started 20/10/87	Corrected Dip Tests	Location sketch
Project 3382	Lot. & Conc.:	Dip 2.75	Date Completed 21/10/87		
Claim No.	Co-ordinates: 1970.714 N 2905.209 E	Length 24.2	Drilled By: N Morissette Can.		
Grid No. R-490XCN(L-I)		Collar Elev. 3969.62	Logged By: A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS	
From	To							Au	g/t
OBJECTIVES:-to test mineralization West of the R-490XCN(L-I)									
0.0	5.0	PALE PINK TO GREY ALT'D FP	10601	0.0	1.0	1.0	1	1.30	
		-f.g. to m.g. pale pink to grey F.P.	10602	1.0	1.7	2.4	0.7	0.24	1.10
		-no relict feldspars	10603	1.7	2.4	0.7	1	1.10	
		-pale grey very silicious dolomitic alt'n	10604	2.4	3.4	1.0	tr	<.20	
		-massive structure, hairline fractures healed	10605	3.4	4.4	1.0	tr	<.20	
		with qtz-dolomite; 1-2% vmm scale qtz carb veins	10606	4.4	5.0	0.6	tr-1	1.44	
		- 3-4% f.g. diss Py assoc with pale grey brown alt'n in mafic inclusions 0.0-0.2, 1.0-1.2, 1.46-1.66, 2.14-2.37; 1-2% Py in q.c. alt'n 4.95-5.0; prophyry becomes darker red to base							
		-lower ct sharp at 50'							
5.0	6.7	ALT'D MAFIC VOLCANICS							
		-grey f.g. mafic volcanics	10607	5.0	6.0	1.0	3-4	6.78	
		-pervasive pale grey ore alt'n along fractures	10608	6.0	6.7	0.7	3-4	0.72	
		-fairly prominent structure at 5.1m at 50'							
		-extensive alt'n along dykelets of red FP 5.47-5.67							
		-prominent structure with alt. at 45-60' 6.4 -6.5							
		-alt'n dolomite; 3-4% f.g. to v.f.g. diss Py assoc with alt'n							

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
6.7	12.0	RED ALTD F.P. -red altd FP; traces F phenocrysts; well dev. flazure struct. at 45'; fract. with 2-3% hairline fract. healed white qtz-dolomite; -qtz vein with traces Py at 60' from 10.10-10.26 1-2% vfg to fg diss Py in porphyry-5% fg diss Py assoc. with altn adj. to qv; pale grey green fel. dykes; 8.97-9.07, 9.25-9.49, 10.68-10.82, 11.00-11.16	10609 10610 10611 10612 10613	6.7 8.2 9.7 10.3 11.3	8.2 9.7 10.3 11.3	1.5 1.5 0.6 1.0 0.7	1-2 1-2 2-3 1-2 1-2	0.30 0.58 7.34 0.89 0.38
12.0	14.20	ALTD MAFIC VOLCANICS -f.g. grey mafic volc.; alt'n intensely altd, -fractured in pale grey; weakly calcitic qtz-carb alt'n; veins- qu with Py at ~45' 12.19-12.21	10614 10615	12.0 13.0	13.0 14.2	1.0 1.2	4-5 4-5	1.26 0.34
14.2	18.4	RED ALTD FP -m.g. brick red altd FP; faint relict feldspar phenocrysts; massive structure, fractured with 3-4% hairline fractures filled with qc -pervasive pale grey gr. altn along hairline fractures; 1-2% f.g. diss Py assoc with q.c. altn throughout unit; structure with intense grey altn at 75' 14.66-14.87; 5% Py assoc with this structure; qtz veining and assoc altn. 17.07-17.30-est 3-4% Py assoc in this section	10616 10617 10618 10619 10620	14.2 14.6 15.0 16.4 17.2	14.6 15.0 16.4 17.2	0.4 0.4 1.4 0.8 1.2	1-2 5 1-2 3 1-2	0.20 4.62 2.02 2.26 <.20
18.4	20.9	ALTD MAFIC VOLCS -f.g. grey alt mafic volcs; fractured with 3-5% hairline fractures healed with qtz-dolomite -good grey ore altn 18.4-19.2; 2-3% f.g. Py assoc with altn 18.4-19.2; 1-2% f.g. Py in rest of unit -patchy red FP 20.5-20.9	10621 10622 10623	18.1 19.2 20.0	19.2 20.0 20.9	0.8 0.8 0.9	2-3 1-2 1-2	<.20 0.92 <.20
20.9	24.2	TALCOSE CHLORITIC SPINIFEXED ULTRAMAFIC VOLCANICS -talcose, chl., carb. rich u.m. volc; blocky core lost 0.25m 21.7-24.2; narrow band shat'd red altd FP with pale grey-brown qc altn at 70' 23.00-23.14 qv from 23.24-23.27; 5% Py 23.00-23.14	10624 10625 10626 10627	20.9 21.9 23.0 23.3	21.9 23.0 23.30 24.2	1.0 1.1 0.3 0.9	tr tr 5 tr	<.20 <.20 <.20 <.20
24.2		EOH; CORE SIZE LTK46; SPLIT CORE SAMPLED LOST: 0.1m from 9.65-9.85; 0.25m from 21.7-24.2						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	233.109	23/10/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		+12.6	24/10/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1984.710 N	28.36	N Morissette Can.		
Grid No.	2905.618 E	Collar Elev.	Logged By:		
R-490 XCN(L-1)		3969.40	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES: -to test leg 1 mineralization W of the R-490XCN(L-1)								
0.0	2.2	RED ALT'D F.P.	10628	0.0	1.1	1.1	tr	5.42
		-bright red alt'n FP ; only faint relict feldspar pyrocrysts	10629	1.1	2.2	1.1	tr	0.20
		-hematitic alt'n -becomes less intense to 2.2 -massive, 1-2% fine fractures healed with dol-qtz -broken blocky core narrow band of mafic volcanics 2.2-2.3 at ct with next unit						
2.2	5.2	PINK TO GREY WEAKLY ATLD FP	10630	2.2	3.2	1.0	tr	<.20
		-m.g. pinkish grey m.g. to c.g. FP; good relict feldspars, minor biotite; alt'n becomes red and quite alt'd 4.4-5.2; massive, 3-4% hairline frac. healed with dol-qtz with chloritic patches	10631	3.2	4.4	1.2	tr	<.20
		-faint trace f.g. Py -lower ct sharp at 45'	10632	4.4	5.2	0.8	tr	<.20
5.2	9.7	ALTD MAFIC VOLCANICS	10633	5.2	5.8	0.6	2	<.20
		-grey f.g. to m.g. altd mafic volcanics	10634	5.8	7.0	1.2	1-2	<.20
		-very calcitic; massive structure, 1-2% hairline fractures healed in calcite; vein or band dark	10635	7.0	7.6	0.6	5-10	5.66
		grey qtz 2-3% Py 9.17-9.33	10636	7.6	8.6	1.0	1-2	<.20
		- 1-2% f.g. diss Py -section with pale brown grey "ore alt'n" and 5-10% Py 7.0-7.6; pale grey qtz vein with mass. Py 7.22-7.26; broken blocky core 5.2-5.8	10637	8.6	9.7	1.1	1-2	<.20

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
9.7	17.4	PALE PINK HIGHLY ALTD FP	10638	9.7	11.2	1.5	tr-1	0.38
		-highly altd very pale pink m.g. fp; no relicit F	10639	11.2	12.7	1.5	tr-1	0.78
		-alt'n -pervasive pale beige qtz-carb alt'n;	10640	12.7	14.2	1.5	tr-1	0.58
		extremely intense below 14.5	10641	14.2	14.5	0.3	30	36.10
		-highly fractured struct.with hairline fractures	10642	14.5	15.5	1.0	2-3	7.26
		healed with qtz-dol and chl	10643	15.5	16.5	1.0	2-3	8.64
		-intense band of pale beige alt'n at at 35-45'	10644	16.5	17.4	0.9	2-3	6.10
		- 12.3-12.4, patch at 14.8 and band at 15.0-15.1						
		-tr-1% f.g. diss Py 9.7-14.2 except 2-3% in altd	AVG	14.2	17.4	3.2		9.95
		structure 12.30-12.40; massive Py in completley	AVG	7.0	15.5	8.5		2.62 N of ramp
		altd mafic incl'n 14.2-14.5; 2-3% f.g. to v.f.g.						
		diss Py in altd F.P. below 14.2						
17.50	26.38	ALT'D MAFIC VOLCANICS WITH PALE PINK ALT'D FP	10645	17.50	18.50	1.0	.5-1	1.68
		-med grey, f.g. magnetic; sheared	10646	18.50	19.25	0.75	3-5	2.43
		-lt grey alt'n in select places may be repres'ive	10647	19.25	20.00	0.75	tr	0.44
		of x-structures; numerous thin lt. grey qc veins	10648	20.00	21.50	1.5	2-3	4.35
		oriented at 30'	10649	21.50	22.55	1.05	3-5	6.72
		-patches with 15-20% f.g. diss Py probably about	10650	22.55	23.30	0.75	tr-.5	3.94
		1-2% f.g. Py in volcanics	10651	23.30	24.80	1.50	.5-1	1.06
		F.P.: 17.5-18.15, 19.25-20.05, 22.55-23.30,	10652	24.80	26.38	1.58	tr-.5	<.20
		23.93-24.40; best section 20.00-22.55, 18.50-19.25	10653	26.38	27.38	1.00	tr	<.20
26.38	28.36	GREY SLIGHTLY ALT'D F.P.	AVG	20.0	28.3	3.80m		5.01
		- dull grey red, m.g., magnetic						
		-moderate shearing; tr-nil Py						

EOH

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	262.87	30/10/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0	30/10/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1985.985 N	14.05	N Morissette Can.		
Grid No.	2905.491 E	Collar Elev.	Logged By:		
R-490 XCN L-1		3969.05	C.P.Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.00	10.65	RED ALT'D FP						
		-red, f.g. to m.g., non-magnetic to slight mag.	10654	0.0	1.5	1.5	tr-.5	1.82
		-highly sheared and fractured with sections of	10655	1.5	3.0	1.5	tr-.5	0.30
		broken blocky and ground core	10656	3.0	4.5	1.5	tr-.5	0.41
		-good red cb alt'n with numerous thin lt. grey	10657	4.5	6.00	1.5	tr-.5	2.22
		qtz-cb veinlets in the 1st 0.5m a few 0.5-1cm	10658	6.0	7.5	1.5	tr-.5	<.20
		and one 10cm lt.grey q.v. minor sericite alt'n	10659	7.5	9.00	1.5	tr-.5	.2 0.3m ground
		- .5-1% diss Py overall with patches of 2-3% Py	10660	9.00	9.57	0.57	tr-.5	<.20
		- mineralized mafic inclusion 9.57-10.00 with	10661	9.57	10.65	1.08	5-8	18.72
		5-10% f.g. diss Py						
10.65	14.05	GREY BID F.P.	10662	10.65	11.90	1.25	tr	0.2
		-grey red, m.g. biotitic, slightly sericitic	10663	11.90	12.06	0.16	1-2	6.78 x-struct?
		only tr Py	10664	12.06	13.06	1.0	tr	0.58
14.05	15.50	EMPTY SPACE						
		BROKE INTO VENT RAISE						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip	Tests	Location sketch
Rundle Mine	Newton Twp	291.438	12/11/87	depth	dip test	
Project	Lot. & Conc.:	Dip	Date Completed	48.3	+21 acid	
3382		20.153	14/11/87			
Claim No.	Co-ordinates:	Length	Drilled By:			
	1986.650 N	48.3	N Morissette Can.			
Grid No.	2906.242 E	Collar Elev.	Logged By:			
R-490 XCN(L-1)		3969.964	A. Soever			

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							

OBJECTIVES:-to test west edge of mineralization between surface and the first level

0	9.3	RED ALTERED F.P.	10734	0	0.6	0.6	tr-1	<.20
		-bright brick red m.g. completely alt'd	10735	0.6	1.9	1.3	3	6.41
		-no relict feldspar prophyroblasts	10736	1.9	3.4	1.5	2-3	1.95
		-massive with 1-2% fine fairline fractures	10737	3.4	4.8	1.4	1-2	3.77
		-lealed in qtz-dolomite	10738	4.8	5.5	0.7	2-3	14.54
		-extensive pale beige qtz-carbonate alt'n	10739	5.5	7.0	1.5	2-3	9.39
		- 0.0-0.6 blocks of ass'd alt'd volc pale beige	10740	7.0	7.8	0.8	2-3	9.43
		- 0.6-1.9 highly alt'd F.P. with complete pale beige alt'n; alt'n at about 20' TCA. less alt'd but still in pervasive pale beige alt'n 1.9-3.4	10741	7.8	9.3	1.5	1-2	<.20
		-patchy pale beige alt'n 4.8-5.5, 5.7-7.8	AVG	0.6	7.8	7.2		6.71
		-alt'n ends at bed at 30' TCA at 7.75-7.8						
		-3% Py assoc with alt'd section 0.6-1.9- some submassive Py assoc. with inclusions 0.6-1.0						
		- 2-3% Py in alt'd section; 1.9-3.4 1-2% Py						
		- 3.4-4.8 2-3% Py assoc. with pale beige alt'n 4.8-5.5; 5.7-7.8; qtz vein stockwork 2.12-2.25						
		-bright brick red 3.4-4.8m, 7.8-9.3 -ct in next unit at 30' TCA						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
9.3	12.9	ALT'D MAFIC VOLCANICS	10742	9.3	10.7	1.4	1-2	<.20
		-med grey f.g. mafic volcanics-weakly magnetic	10743	10.7	12.1	1.4	1-2	5.38
		-fractured with network of fine hairline frac. healed in calcite	10744	12.1	12.9	0.8	2-3	8.57
		- alt'n-calcitic, dolomitic 12.1-12.9						
		-fractures with pale brown q-c. alt'n Py 12.1-12.9						
		- 1-2% f.g. diss Py assoc. with calcite in fractures						
		- 2-3% Py assoc with q.c. alt'n 12.1-12.9						
12.9	14.3	ALT'D F.P.	10745	12.9	14.3	1.4		5.55
		-brick red alt'd F.P.						
		-no relict feldspar porphyroblasts	AVG	10.7	14.3	3.6		6.16
		-highly fractured extensive qc beige alt'n	AVG	0.6	14.3	13.7		5.15
		-completely assimilated inclusions, stringers						
		submassive Py 12.9-13.1, 13.3-13.4 and on one						
		side of core 14.05-14.10 -Py stringers at 15-20'						
		-veins- fractures healed in hem at 13.75-13.9						
		-gradational contact with next unit						
14.3	15.7	ALT'D MAFIC VOLCANICS	10746	14.3	15.7	1.3		1.65
		-grey highly alt'd mafic volcs, magnetic						
		-highly fractured hairline fractures healed						
		with calcite- foliated at 40' due to shearing						
		-calcitic alt'n - pale brown qe alt'n along						
		fractures 14.3-15.0						
		- 2-3% f.g. diss Py; 3-5% Py assoc with brown						
		q/c alt'n along fractures						
		-f.g. pk aplite dyke 15.4-15.5						
15.7	16.3	CHLORITIC TALCOSE U.M.	10747	15.7	17.2	1.5	1-2	<.20
		-green chloritic talcose um -weakly magnetic						
		-spinifex						
16.3	18.6	HORNBLLENDE LAMP DYKE						
		-med beige green -15% hornblende- non-magnetic						
		1 1-2% f.g. diss Py						
		-lower contact at 30'						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
18.6	21.4	SPINIFEXED U.M. -dk grey spinifex to massive um flow -fractured with q/calcite veins at about 20' -narrow F.P. dyke 20.48-20.63						
21.4	25.4	LAMP DYKE -pale beige green m.g. lamp dyke -calc. -weakly magnetic -trace Py -lower ct at 30'						
25.4	38.3	SPINIFEX U.M. -massive to spiifexed um -narrow 1cm qvs at 45' at 39.0-40.0 -fractured subparalell 32.2-33.4 -34.12-34.40 -broken blocky core also from 36.3-37.2						
38.3	39.3	LAMP DYKE -brown m.g. lamp dyke						
39.3	40.9	FAULT ZONE -sh'd talc. shist -extensive qtz-dolomite veining -fractured brecciated -schistosity at 40'	10756	39.3	40.9	1.6		5.55
40.9	48.3	ALT'D MAFIC VOLCANIC -pale grey f.g. mafic volc. - 40.9-41.7 -pervasive pale grey alt'n, bt'd 5% f.g. diss Py - 41.7-42.3 -red alt'd porphyry-good beige qc alt'n 3% Py - 42.3-45.1 -grey alt'd volcs- 2-3% dol-qtz veins -minor pale beige alt'n along frac. -dolomitic - 1-2% Py; good alt'n 45.0-45.1 at ct with alt'd FP; 45.1-46.1 as from 41.7-42.3; -below 46.1 -volcanics less alt'd -tr Py, calc. -weakly alt'd dolomitic section minor pale brown alt'n; 2-3% Py 46.8-47.5	10748 10749 10750 10751 10752 10753 10754 10755 AVG AVG	40.9 41.7 42.3 43.8 45.1 46.1 46.8 47.5 39.3 39.3	41.7 42.3 43.8 45.1 46.1 46.8 47.5 45.1 48.3	0.8 0.6 1.5 1.3 1.0 0.7 0.7 0.8 5.8 9.0	4-5 3 1-2 1-2 3 tr 2-3 tr	5.18 2.16 4.35 3.05 0.93 1.23 2.16 6.86 4.28 3.73
48.3		EOH; CORE RECOVERY ~100%; CORE SIZE AQ; SPLIT CORE SAMPLED						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip	Tests	Location sketch
Rundle Mine	Newton Twp	272.021	14/11/87	depth	dip type	
Project	Lot. & Conc.:	Dip	Date Completed	45.0m	-16	acid
3382		11.569	16/11/87			
Claim No.	Co-ordinates:	Length	Drilled By:			
	1986.367 N	45.0	N Morissette Can.			
Grid No.	2906.114 E	Collar Elev.	Logged By:			
R-490 XCN(L-1)		3969.830	C.P.Zorzi			

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.00	7.55	RED ALTERED F.P. -red, m.g., very hard very slightly magnetic, slightly magnetic, slightly bt'c -sheared -red alt'n throughout numerous 1-4mm, lt.grey qc veins - 1-2% f.g. diss Py, locally up to 5% diss Py	10798 10799 10800 10801 10802	0.0 1.5 3.0 4.5 6.0	1.5 3.0 4.5 6.0 7.5	1.5 1.5 1.5 1.5 1.5	2-3 1-2 .5-1 .5-1 tr-.5	2.33 4.18 1.95 2.40 1.25
7.55	8.10	ALT'D MAFIC VOLCANICS -lt to med grey, f.g., magnetic -sheared -lt. grey cb alt'n, cherty band over 1st 10 cm -numerous thin lt.grey qc veins - .5-1% f.g. diss and wispy Py	10803	7.50	8.10	0.6	.5-1	0.41
8.10	9.05	RED ALT'D F.P. -as above 0-7.55 -chloritic patches	10804	8.10	9.05	0.95	.5-1	0.27
9.05	10.36	ALT'D MAFIC VOLC -as above 7.55-8.1 -alt'n and min'n becomes stronger -exhalite band at top 10cm -about 1-2% Py	10805	9.05	10.36	1.31	1-2	6.51

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
10.36	12.45	RED ALT'D F.P. -as above	10806 10807	10.36 11.50	11.50 12.45	1.14 0.95	1-2 1-2	2.06 <.20
12.45	13.15	ALT'D MAFIC VOLCANICS -as above -cherty exhalite over top 3-3cm	10808	12.45	13.15	0.70	2-3	19.47
13.15	14.06	RED ALT'D F.P. -as above	10809	13.15	14.06	0.91	1-2	4.01
14.06	15.07	ALT'D MAFIC VOLC -as above -exhalite band from 14.45-15.07 -best cb alt'n thus far	10810	14.06	15.07	1.01	5-7	23.11
15.07	25.90	ORE PORPHYRY -beige red, m.g., hard fsp's may have regrown -highly sheared -good beige cb alt'n, minor to mod, sericite -numerous 1-4mm qc and qv veins throughout - 2-3% f.g. diss Py - alt'd min'zd structures 22.40-22.55 25.26-25.33 25.56-25.82	10811 10812 10813 10814 10815 10816 10817 10818	15.07 16.50 18.00 19.50 21.00 22.50 24.0 25.5	16.50 18.00 19.50 21.00 22.50 24.0 26.0	1.43 1.50 1.5 1.5 1.5 1.5 1.5 0.5	2-3 2-3 2-3 2-3 3-5 3-5 3-5 5-10	2.26 3.39 2.61 8.74 7.20 <.20 8.40 10.35
25.90	28.60	ALT'D MAFIC VOLCANICS -as above -good cb alt'd bands 26.15-26.4 26.65-26.86 27.00-27.15 -bands show good grey cb alt'n with 5-8% f.g. diss'n Py -cherty jasperite 25.9-26.15	10819 10820 AVG	26.0 27.5 9.05	27.5 29.0 32.0	1.5 1.5 22.95	2-3 1-2	4.42 <.20 5.11
28.60	36.20	RED ALT'D F.P. -as above -some sections show stronger Py conc. -overall 1-2% Py	10821 10822 10823 10824 10825	29.00 30.50 32.00 33.50 35.0	30.5 32.0 33.50 35.0 36.2	1.5 1.5 1.5 1.5 1.2	tr-.5 2-3 tr-.5 tr tr-.5	1.95 1.47 0.55 <.20 0.38

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
36.20	38.64	ALT'D MAFIC VOLCANIC -as above -good structures 38.23-38.64 -narrow 5-10cm bands of alt'n throughtout	10826 10827 Avg	36.20	37.50 38.64 38.64	1.30 1.14 2.44	1-2 2-3 -	3.98 8.98 6.88
38.64	41.10	GREY BIO. F.P.						
41.10	43.35	ALT'D MAFIC VOLCANICS -good mineralized bands 42.1-42.40; 10-15% Py -otherwise calcitic with tr-.5% Py	10828 10829	41.10	42.0 43.35	0.90 1.35	tr-.5 2-3	1.06 4.52
				41.1	43.35	2.25		3.14
43.35	45.00	GREY BIO. F.P. EOH						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	256.324	17/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.745	18/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1986.031 N	14.3	N Morissette Can.		
Grid No.	2906.411 E	Collar Elev.	Logged By:		
R-490 XCN (L-1)		3969.579	C.P.Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	8.84	RED ALT'D FP	10861	0.0	0.15	0.15	2-3	3.22
		-med, m.g., slightly magnetic	10862	0.15	0.35	0.20	1-2	3.46
		-sheared; good red to brown cb alt'n with	10863	0.35	0.74	0.39	1-2	2.09
		numerous qc and qtz veins, areas that have	10864	0.74	1.50	0.76	.5-1	3.15
		been flooded with qtz, minor sericite	10865	1.50	1.80	0.30	2-3	2.57
		tr-.5% Py overall area with 3-5% Py	10866	1.8	3.0	1.2	.5-1	0.41
			10867	3.0	3.76	0.76	.5-1	<.20
			10868	3.76	3.87	0.11	1-2	0.89
			10869	3.87	4.5	0.63	tr-.5	0.65
			10870	4.5	6.0	1.5	tr	1.20
			10871	6.0	7.5	1.5	tr	0.45
	10872	7.5	8.84	1.34	tr	0.21		
8.84	10.75	ALT'D MAFIC VOLCANIC	10873	8.84	8.94	0.10	5-10	15.94
		-med grey, f.g., m.g.	10874	8.94	9.50	0.56	tr	1.54
		-minor shearing	10875	9.50	10.22	0.72	tr	1.85
		-minor bands with lt.grey cb alt'n; otherwise	10876	10.22	10.32	0.10	3-5	8.19
		unalt'd;	10877	10.32	10.53	0.21	tr	1.65
		-few thin qc veinlets	10878	10.53	10.75	0.22	2-3	51.60
		- tr-1% Pyrite						
10.75	12.08	RED ALT'D F.P.	10879	10.75	10.90	0.15	1-2	45.88
		-as above	10880	10.90	12.08	1.18	tr-.5	4.11
		- tr-.5% Py	10881	12.08	12.25	0.17	3-5	14.33

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
12.08	14.30	ALT'D MAFIC VOLCANIC						
		-as above with longer sections of mineralization and alteration	10882	12.25	12.76	0.51	tr-.5	1.92
		-good min'd and alt'd bands 12.75-12.85	10883	12.76	12.86	0.10	5-7	47.62
		13.00-13.10	10884	12.86	12.96	0.10	1-2	15.39
		13.73-14.10	10885	12.96	13.06	0.10	5-10	1.03
		EDH	10886	13.06	13.62	0.56	tr-.5	8.09
			10887	13.62	14.10	0.48	3-5	10.70
			10888	14.10	14.30	0.20	.5-1	5.01
			AVG	8.84	14.3	5.46		8.89

Property Rundle Mine	TP. or Area Newton Twp	Azimuth 045'	Date Started /11/87	Corrected Dip Tests	Location sketch
Project 3382	Lot. & Conc.:	Dip 0	Date Completed /11/87		
Claim No.	Co-ordinates: 1933.0 N	Length 15.23	Drilled By: N Morissette Can.		
Grid No. Ramp (Leg I)	2981.3 E Section: 1095 SE	Collar Elev. 3986.7	Logged By: R.E. Norman		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
		OBJECTIVES:--						
0	6.93	MAFIC VOLCANICS -fine grained; dk green -strongly calcitic, no sig'n veining or alt'n -deep red alt'n (Jasperite?) from 0.47 to 1.94 with .5% diss'nd and wisps of Py; bx'd and purplish to pale cream green alt'n 0.47 to 0.67; brecciated	9813 9814 9815 9816 9817 9818	0 0.47 1.94 2.69 4.04 6.46	0.47 1.94 2.69 4.04 6.46 6.93	0.47 1.47 0.75 1.35 1.85 0.47	<.20 1.41 <.02 <.02 <.02 <.02	-Note: 1.2 lost con
6.93	7.75	ALT'D FP -fine grained; lt tan to beige -up to 1% fine diss'd Py -no sig'n veining; brecciated locally	9819	6.93	7.75	0.82		2.91
7.75	8.96	RED ALT'D PORPHYRY -fine grained; red -minor fracturing with beige-carb in-filling locally; - .5-1% fine diss'd Py in places	9820	7.75	8.96	1.21		0.58

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
8.96	15.23	MAFIC VOLCANICS AND FP	9821	8.96	9.98	1.02		0.55
		Feldspar Porphyry:	9822	9.98	10.55	0.57		0.31
		9.98- 10.55: pink-red, fine grained; minor	9823	10.55	11.08	0.53		0.83
		veins and min'zn	9824	11.08	11.56	0.48		0.69
		11.08-11.56: pink, med. grained; minor alt'n	9825	11.56	11.49	0.93		3.33
		sparse pyrite						
		11.79-12.49: fine grained, beige-grey carb'n						
		sparse Py						
		12.49-15.23: alt'd mafic volcanics; normally	9826	12.49	13.49	1.00		3.87
		dark green with bands of bt'd grey alterations	9827	13.49	14.49	1.00		0.34
		in fractured and qtz-carb filled zones; very	9828	14.49	15.23	0.74		0.34
		sparse Py (specks)	AVG	11.56	13.49	1.93		3.61
		-generally no sig min'zn and non-calictic						

EOH

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	045	9/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0	15/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1938.4 N	17.06	N Morissette Can.		
Grid No.	2972.6 E	Collar Elev.	Logged By:		
Ramp (Leg I)	Sections:	3980.0	C.P.Z.		
	1105 SE				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	4.70	MAFIC VOLCANICS	12231	0.0	1.0	1.0	tr	<.20
		-dk grey, f.g. magnetic	12232	1.0	2.0	1.0	tr	<.20
		-minor to moderat fracturing	12233	2.0	3.0	1.0	tr	<.20
		-unalt'ed with calcite veins	12234	3.0	4.0	1.0	tr	<.20
			12235	4.0	5.0	1.0	tr	0.41
4.70	10.10	RED ALT'D FP						
		-red, m.g. slightly magnetic	12236	5.0	6.0	1.0	tr	<.20
		-good beige red alt'n with numerous thin lt. grey qc veinlets, chl. infillings	12237	6.0	7.0	1.0	tr	<.20
		-tr-.5% Py over all 1-2% Py 8.00-9.00	12238	7.0	8.0	1.0	.5-1	0.48
			12239	8.0	9.0	1.0	1-2	3.05
			12240	9.0	10.10	1.1	.5-1	0.69
10.10	15.96	ALT'D MAFIC VOLC.						
		-lt to med. grey, f.g., magnetic	12241	10.10	11.00	0.9	3-5	0.93
		-sheared; good grey cb alt'n with numerous thin qc veinlets	12242	11.00	12.00	1.0	3-5	5.18
		- 2-3% Py overall with local sections +10%	12243	12.00	13.00	1.0	1-2	1.30
		-F.A. incl. 13.5-14.00	12244	13.00	14.00	1.0	.5-1	0.45
			12245	14.00	14.96	0.96	3-5	12.51
15.96	16.40	RED ALTERED F.P.						
		-as above; well alt'd with .5%Py	12246	14.96	16.00	1.04	tr-.5	3.63
			12247	16.00	16.40	0.40	tr-.5	2.45
16.40	17.06	ALT'D MAFIC VOLCANICS						
		-as above; well alt'd and min'zd with 3.5% Py	12248	16.40	17.06	0.66	3-5	30.17
			AVG	11.0	14.0	3.0		2.31
			AVG	14.00	17.06	3.06		11.99

EOH;EXET core drilled; whole core sampled

Property Rundle Mine Project 3382 Claim No.	TP. or Area Newton Twp Lot. & Conc.:	Azimuth 224.292 Dip 0 Length 18.20 Collar Elev. 3975.014	Date Started 23/11/87 Date Completed 24/11/87 Drilled By: N Morissette Can. Logged By: R.E.N.	Corrected Dip Tests	Location sketch
Grid No. Ramp (Leg I)	Co-ordinates: 1953.959 N 2924.753E				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0	1.53	FELDSPAR HBLD PORPHYRY -med. grain; purplish grey -mod. magnetic and calcitic -no sig'n veining or min'zn	13624	0	1.53	1.53	tr	<.20
1.53	3.80	GREY FELDSPAR PORPHYRY -med. to coarse grain, granular texture -no sig'n min'zn, veining or alt'n -tr pyrite -several mafic fragments	13624	1.53	3.80	2.27	tr	<.20
3.80	4.40	LAMPROPHYRE DYKE -fine to med. grained; purplish grey -strongly calcitic and magnetic -no min'zn	13626	.80	4.40	0.60	tr	<.20
4.40	4.90	FELDSPAR PORPHYRY -grey-pink; med. grained -a few biotite and hbl'd specks -minor py min'zn	13627	4.40	4.90	0.50		<.20
4.90	5.78	LAMPROPHYRE DYKE - as 3.80-4.40	13628	4.90	5.78	0.88		<.20

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
5.78	9.65	GREY BIOT. HBLD FELDSPAR PORPHYRY - med to coarse grain; pinkish bands locally -weak veining and pink-grey alt'n with .5% diss'nd pyrite min'zn at 7.45 to 7.72 and 8.07 to 8.54 -mod'ly calcitic locally	13629 13630 13631 13632 13633	5.78 6.53 7.45 8.07 8.54	6.53 7.45 8.07 8.54	0.75 0.92 0.62 0.47 1.11		<.20 0.55 0.45 0.62 <.20
9.65	10.10	MAFIC VOLCANICS -grey-green; fine grained; -minor qtz-carb veining; -strongly calcitic and magnetic -3% pyrite as diss'n and narrow stringers and veinlets	13634	9.65	10.10	0.45	3	<.20
10.10	11.71	CHERT -banded locally, pinkish, purplish grey bands; bands 75-80' to LCA -fairly abundant mmw qtz veins predominately 45' to LCA -strongly magnetic generally - 2-3% diss'nd, blebs and minor strgs. of Py - white-grey qtz veinat 11.18-11.38, 5' to patches of hte; 3% diss'nd Py at contact	13635 13636 13637 AVG	10.10 11.08 11.38	11.08 11.38 11.71	0.98 0.30 0.33 1.61	3 2 3 2.6	3.70 2.57 3.12 3.37
11.71	12.30	MAFIC VOLCANICS -fine grained; grey-green -strongly magnetic and calcitic; chloritic along fractures -minor qtz-carb veining - 2-3% diss'nd and blebs of Py, veinlets or strgs.	13638	11.71	12.30	0.59		0.27
12.30	13.62	CHERT-JASPERITE HORIZON AND MAFIC VOLCANIC HYBRID - 12.30-13.16: highly fract'd marble-like texture or apple greens, pinks and browns - 13.16-13.62: deep red, hematitic chert(jasper) -minor grey-white qtz blebs and veins -generally sparse diss'nd Py; minor Py blebs in jasper zone	13639 13640	12.30 13.16	13.16 13.62	0.86 0.46	tr tr	0.34 <.20

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
13.62	14.00	HYBRID CHERTY AND MAFIC VOLCANICS -lt green, fine grain; 80% mafics; gradational from previous -minor veining and y min'zn -moderately calcitic and magnetic	13641	13.62	14.00	0.38		<.20
14.00	15.98	GREY HBLD-FELDSPAR PORPHYRY -fine to med. grained; lt grey, frequent lg mafic fragments up to 1.0cm -granular texture locally -mod'ly calcitic and magnetic - 2-3cm qtz-carb vein at in-contact- no min'zn - no sig'n min'zn	13642 13643 13644	14.00 14.65 15.27	14.65 15.27 15.98	0.65 0.62 0.71		<.20 <.20 <.20
15.98	18.20	PINK ALT'D FELDSPAR PORPHYRY -gradational from above-similar porphyry as above -pink-grey -no sig'n, min'zn, alt'n -mod. magnetic; very weakly calcitic -back into grey porphyrey at 18.00-18.20	13645 13646 13647	15.98 16.73 17.49	16.73 17.49 18.20	0.75 0.76 0.71	tr tr tr	<.20 <.20 1.37

EOH

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	43.81	24/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0	24/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1958.991 N	15.10	N Morissette Can.		
Grid No.	2922.785 E	Collar Elev.	Logged By:		
Ramp (Leg I)		3974.193	R.E.N.		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
		OBJECTIVES:-						
0	7.07	FELDSPAR PORPHYRY	13499	0	1.29	1.29		0.65
		-med. grained; mod'ly alt'd; pink to pinkish-grey	13500	1.29	2.04	0.75		0.58
		-weakly to mod'ly magnetic	13501	2.04	2.76	0.72		0.41
		- 5-10% qtz-carb thin vein and veinlets at 30' to	13502	2.76	3.50	0.74		<.20
		LCA - in 2 directions (2 sets) locally	13503	3.50	4.17	0.67		<.20
		- sparse diss'nd Py	13504	4.17	4.92	0.75		<.20
			13505	4.92	5.60	0.68		<.20
			13506	5.60	6.35	0.75		0.55
			13507	6.35	7.07	0.72		0.38
7.07	7.40	MAFIC VOLCANIC	13508	7.07	7.40	0.33		0.55
		-fine grained; dk green; chloritic						
		-minor veining; occ'n speck of Py						
		-no sig'n alt'n						
		-calcitic; magnetic						
7.40	8.44	PINK ALT'D FELDSPAR PORPHYRY	13509	7.40	8.44	1.04	tr	1.65
		-fine to med. grained;						
		-minor 1-2cm fractured zones in-filled with qtz						
		beige carbonate and minor Py						
		-generally sparse diss'nd py						
		-non-calcitic						
		-in contact at 45'						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
8.44	10.41	MAFIC VOLCANICS -fine to med. grained gery-green to grey -mod. grey alt'n; fractured locally -fault breccia with light in-filling 9.45-9.55 -abundant qtz-carb healing fractures and blebs of grey-white qtz - 1-3% Py locally; minute stringers, veinlets and diss'nd; pyrite most abund from 8.44-8.83 - 2-3cm thick white-grey qtz vein with 3% diss'nd Py at 8.47 at 45' - in contact 50-60' to LCA	13510 13511 13512	8.44 9.08 9.74	9.08 9.74 10.41	0.64 0.66 0.67	1-2 .5-1	1.10 2.47 0.21
10.41	13.06	PINK FELDSPAR PORPHYRY -med. grained; weak to mod. pink alt'n; greyish locally; a few thin mafic volc. bands -band of mafic volcanics 12.00-12.20 with tr Py -weakly magnetic; non-calcitic -occ'n diss'd pyrite (sparse)	13513 13514 13515 13516	10.41 11.35 12.00 12.20	11.35 12.00 12.20 13.06	0.94 0.65 0.20 0.86	tr tr tr	0.41 0.86 0.38 30.21
13.06	15.10	MAFIC VOLCANICS -fine grained; dk grey-green -typical veinlets and stringers of qtz-calcite -strong pervasive calcite alt'n; chloritic and and strongly magnetic -minor pink-brown alt'n along qtz-calcite veining at 14.53 with 50-60% hematite and 1% Py; veining 65-70° to LCA and 2-3cm thick -generally occ'n bleb and strigers of Py 1% Py overall	13517 13518 13519	13.06 13.50 14.33	13.50 14.33 15.10	0.44 0.83 0.77		<.20 <.20 <.20

EOH

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	225.177	24/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0	25/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1957.653 N	19.40	N Morissette Can.		
Grid No.	2914.439 E	Collar Elev.	Logged By:		
Ramp (Leg I)		3972.939	R.E.N.		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0	4.37	HYBRID-F.P. AND MAFIC VOLCS	13901	0	0.60	0.60	tr	2.4
		- fine to med grained	13902	0.60	1.80	1.20		<.20
		-puplish grey porphyry with bands of white-grey mafics to 2.52; mafics well foliated at 40-45'	13903	1.80	2.24	0.44		<.20
		-fairly abund. qtz-carb veins(up to 2mm) at 35-50'	13904	2.24	2.52	0.28		<.20
		-a white grey qtz carb vein with a few specks of yellowish sub-parallel to LCA at mafic-porphyry contact at 2.24-2.52; similar veining with 2% Py and up to 7mm thick runs 5-10' to LCA at 3.32-3.54	13905	2.52	3.32	0.80		<.20
		this vein occurs in a beige carb-sericitic shear which cuts veins at 45 to LCA. Also similar veining sub-parallel(in and out or ca) from 3.50-4.37 in greyish altered mafic with up to 2% diss'nd and stringer Py-vein up to 1.5 cm thick	13906	3.32	3.54	0.22	1	0.89
			13907	3.54	4.37	0.87	2	5.83
4.37	6.47	MAFIC VOLCANICS						
		-fine to med. grained; dk grey green	13908	4.37	5.17	0.80	1.5	0.55
		-minor qtz-carb veining;	13909	5.17	5.87	0.70	1	<.20
		- weak to strongly calcitic and magnetic	13910	5.87	6.47	0.60	1	<.20
		- 1-2% Py as diss'n and stringers						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
6.47	8.20	FELDSPAR PORPHYRY -grey, mottled texture to 6.97; purplish grey, med grained to 8.20; -no sig'n veinging, alt'n or min'zn; magnetic Note: 1% diss'nd pyrite with grey qtz veining at 6.97 at contact between grey and purplish porophyry	13911 13912	6.47 7.30	7.30 8.20	0.83 0.90		<.20 <.20
8.20	9.07	MAFIC VOCANICS -green to grey-green; fine grained; -abundant hairline anastomosing grey-pink qtz- calcite veinlets and stringers - 2-3% fine diss'nd and stringer Py - One 2 cm grey qtz veining, with minor Py at 5' -magnetic	13913	8.20	9.07	0.87		<.20
9.07	10.91	RED ALT'D FELDSPAR PORPHYRY -med to c.g.; red feldspar in grey matrix -trace pyrite; -no significant min'zn, veins or alt'n - in-contact brecciated and irregular; out-contact at 5-10'	13914	9.07	10.91	1.84		0.21
10.91	15.00	LAMPROPHYRE DYKE -fine to med. grained; grey-brown to pink-grey; -mod to strongly pervarine calcite -strongly magnetic -2 sets of qtz-carb veins 45' to LCA and at 90' to each other -sparse pyrite locally -out-contact 20' to LCA	13915 13916 13917 13918 13919 13920	10.91 11.25 12.00 12.58 13.33 14.00	11.25 12.00 12.58 13.33 14.00 15.00	0.34 0.75 0.58 0.75 0.67 1.00		<.20 <.20 0.62 0.41 0.21 0.34
15.00	16.10	RED ALT'D FELDSPAR PORPHYRY -as 9.07-10.91	13921 13922	15.00 15.50	15.50 16.10	0.50 0.60		<.20 <.20
16.10	19.40	LAMPROPHYRE DYKE -as 10.91-15.00	13923 13924	16.10 18.32	18.32 19.40	2.22 1.08		<.20 <.20

EOH

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	223.901	25/51/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		1.6694	25/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1959.451 N	10.4	N Morissette Can.		
Grid No.	2909.625 E	Collar Elev.	Logged By:		
Ramp (Leg I)		3972.022	R.E.N.		

METRES		DESCRIPTION	Sample#	Corrected Dip Tests			Est. % Py	ASSAYS Au g/t
From	To			From	To	Length		
OBJECTIVES:-								
0	1.45	PINK ALT'D FELDSPAR PORPHYRY -fine to med. grained, pink to pink-grey -weakly magnetic, non-calcitic; -3% qtz-carb veins 40-45' -3 cm white qtz vein at 0.10 with a few Py blebs -generally tr Py; out-contact at 60-70"	13784 13785	0 0.75	0.75 1.45	0.75 0.70	0.68 0.27	
1.45	1.81	MAFIC VOLCS. -fine grained; green to grey-green -weakly calcitic, strongly magnetic 3% qtz-carb veining 30' - 1-2% blebs and stringer of Py at out-contact where there is a weak grey alt'n -minor pink porphyry inclusion	13786	1.45	1.81	0.36	0.30	
1.81	2.38	PINK ALT'D FELDSPAR PORPHYRY -fine grained; pink to pale-pink; contacts 25-30' -alt'n looks like bleached ore porphyry -brecciated-fractured from 1.81-2.01 (contact with mafics) with fragment of carbonded mafic infilled with white qtz and pink porphyry; 1% diss'nd Py in this section -sparse pyrite and 3% qtz-carb veining 2.03 ot 2.38 -non-calcitic and non-magnetic	13787 13788	1.81 2.03	2.03 2.38	0.22 0.35	4.42 0.21	

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
2.38	3.41	MAFIC VOLCANICS -green to grey-green; fine grained -strongly calcitic and magnetic -minor qtz-carb veins, usually with 3% diss'nd pyrite in marginal mafics -a few bands of Py, f.g. porph with 1 % Py -generally weak alt'n and Py min'zn	13789	2.38	3.41	1.03		0.34
3.41	4.21	GREY FELDSPAR PORPHYRY -grey; med. grained -minor qtz-carb veins -trace Py; weakly agnetic -strongly calcitic	13790	3.41	4.21	0.80		0.24
4.21	6.1	PINK-GREY FELDSPAR PORPHYRY -weak pink alt'n generally; med. grained 5% qtz-carb veining and up to 1% diss'nd Py, mostly assoc'd to veining -non-calcitic, weakly mag. in greyer sections	13791 13792 13793 13797	4.21 5.21 5.82 6.10	5.21 5.82 6.10 6.33	1.00 0.61 0.28 0.23		0.20 1.61 3.05 <.20
6.1	9.05	MAFIC VOLCANICS -genreally green, fine grained; alt'd to pinkish beige in sections alt'd sections: 6.33-6.8: purplish alt'n; 10% qtz-carb veing; 3% diss'nd and veinlets of Py Py usuall as blebs in qtz veins 5% to L.C.A. 7.69-7.84: fractured and veined 3-5% diss'nd and stringer Py 8.48-9.05: pinkish beige along fractures-80% alt'd; 3% diss'nd Py in patches and as veinlets -rock is strongly calcitic outside altered sections and weakly calcitic in alt'd zones Note: alt'n and veinlets appear at 40-45'	13794 13795 13796 13798 AVG	6.33 6.80 7.84 8.48 6.80	6.80 7.84 8.48 9.05 9.05	0.47 1.04 0.64 0.57 2.72	3 1 1 3	3.05 1.98 <.20 8.46 3.06

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
9.05	9.57	RED ALT'D FELDSPAR PORPHYRY - fine to med. grained; red; -irregular contacts -5-10% qtz-carb veining sub-parallel to parallel - no sig'n min'zn; tr. Py	13799	9.05	9.57	0.52	tr	0.44
9.57	10.4	ALT'D MAFIC VOLCANICS -grey to grey green; weak alt'd -3-5% diss'nd and stringer Py locally; -5% qtz-carb stringers and veins locally EOH-may justify deepening	13800 13801	9.57 9.97	9.97 10.40	0.40 0.43	3.5	1.20 0.89

Property Rundle Mine Project 3382 Claim No.	TP. or Area Newton Twp Lot. & Conc.:	Azimuth 225.177?	Date Started 24/11/87	Corrected Dip Tests	Location sketch
Grid No. Ramp (Leg I)	Co-ordinates: 1957.653 N 2914.439 E	Dip 0	Date Completed 25/11/87		
		Length 18.0	Drilled By: N Morissette Can.		
		Collar Elev. 3972.939	Logged By: R.E.N.		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0	3.70	MAFIC VOLCANICS	13941	0	0.70	0.70	.5	<.2
		- grey green; fine to med. grained	13942	0.70	1.45	0.75	.5-1	<.2
		- abund. narrow veins and veinlets of qtz-carb at 45-50'	13943	1.45	1.85	0.40	.5	<.2
		- strongly magnetic and calcitic	13944	1.85	2.09	0.24	tr	<.2
		- up to 3% locally of pyrite as diss'ns, blebs or stringers	13945	2.09	2.82	0.73	1	<.2
		- pink-grey feldspar porphyry 1.85 to 2.09 with sparse Py	13946	2.82	3.70	0.88	1-2	<.2
3.70	5.62	PINK ALT'D FELDSPAR PORPHYRY	13947	3.70	4.25	0.55	tr	<.2
		- med. to coarse grained; pink to pink-grey	13948	4.25	4.85	0.60	tr	<.2
		- minor thin weak shears locally	13949	4.85	5.62	0.77	.5-1	1.17
		- generally trace pyrite; some diss'nd and stringers or pyrite associated with qtz-carb veining 4.9-5.62;						
		- generally weak alt'n						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
5.62	8.70	MAFIC VOLC. -green to green-grey; fine to med. grained -strongly magnetic and calcitic -7.73 to 8.17: grey altered bx'd zone with some grey-beige alt'n and 2-3% diss'nd and blebs of pyrite - ab. cut by 1 to 2cm white and grey qtz vein 50-60' with 2% diss'nd Py and possibly a minute speck of V.G. -8.57 to 8.70: weakly altered fractured zone with 3-5% diss'nd and stringers of pyrite; abund. wisps, stringers and veinlets of qtz-carb -other than described; mafic's are generally weakly min'zd with occ'n blebs and stringers	13950 13951 13952 13953 13954 13955	5.62 6.38 7.08 7.73 8.17 8.57	6.38 7.08 7.73 8.17 8.57 8.70	0.76 0.70 0.65 8.57 0.40 0.13	 2-3 2-3	<.2 <.2 <.2 7.03 0.72 5.66
8.70	10.08	PINK ALT'D FELDSPAR PORPHYRY -pink to pink-grey; med.grained -8.82to 9.23:screen of grey alt'd mafic volcs with 0.1 metre thick qtz vein, with 3-5% Py, at contact with porphyry -sparse min'zn generally	13956 13957 AVG 13958	8.70 8.82 7.73 9.23	8.82 9.23 9.23 10.08	0.12 0.41 1.5 0.85	tr 3-5 tr	0.51 10.29 5.6 <.2
10.08	13.05	MAFIC VOLC. -fine grained; green to grey-green -strongly calcitic and magnetic -minor fracturing locally with stringers and veinlets of Py -no sig'n alt'n or veining -irregular out-contact, 85' - 1-2% Py min'zn	13959 13960 13961	10.08 11.20 11.95	11.20 11.95 13.05	1.12 0.75 1.10	1-2 1-2 1-2	<.2 2.13 <.2
13.05	13.56	GREY FELDSPAR PORPHYRY -fine to med. grained; grey-brown -occ'n pyrite stringers -minor veining	13962	13.05	13.56	0.51		0.24
13.56	15.12	MAFIC VOLC. -as 10.08 to 13.05 -out contact at 45'	13963	13.56	15.12	1.56		0.44

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
15.12	15.56	GREY FELDSPAR PORPHYRY -no sig'n mineralization, veining or alt'n -sparse Py	13964	15.12	15.56	0.44		0.62
15.56	17.22	INTERBANDED FELDSPAR PORPHYRY AND MAFIC VOLC. -porphyry pink-grey, fine to med. grained -mafic bands are highly brecciated and fractured and in-filled with qtz-calcite and 1-2% diss'nd and blebs of Py; fragments are alt'd to pinkish- brown to beige and light greenish -zone probably a fault intruded by porphyry	13965 13966	15.56 16.60	16.60 17.22	1.04 0.62		2.26 <.20
17.22	18.0	PINK ALT'D PORPHYRY -med. grained; salmon pink -sparse diss'nd Py -fractured and infilled with dk grey siliceous material -5% qtz-carb veins and veinlets	13967	17.22	18.0	0.78		0.34

Property Rundle Mine	TP. or Area Newton Twp	Azimuth 225.647	Date Started 26/11/87	Corrected Dip Tests	Location sketch
Project 3382	Lot. & Conc.:	Dip 0	Date Completed 26/11/87		
Claim No.	Co-ordinates: 1961.917 N	Length 25.8	Drilled By: N Morissette Can.		
Grid No. Ramp (Leg I)	2905.124 E	Collar Elev. 3970.974	Logged By: R.E.N		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0	0.63	PINK ALT'D FELDSPAR PORPHYRY - med. grained; salmon-pink to pink grey; - minor veining; - .5- 1% diss'd Py - out-contact irregular	13802	0	0.63	0.63		3.22
0.63	4.72	MAFIC VOLCANICS - green to grey-green; fine grained - strongly calcitic and magnetic - 1 cm shear at 2.58 with 5-10% Py - generally up to 1 % diss'nd and veinlets of pyrite - minor veining infilling fracture zone - out contact- 35 to 40'	13803 13804 13805 13806 13807	0.63 1.50 2.25 3.00 4.00	1.50 2.25 3.00 4.00 4.77	0.87 0.75 0.75 1.00 0.77		2.36 0.34 2.06 0.30 1.58
			AVG	0	4.77	4.77		1.55
4.77	8.77	PINK ALT'D FELDSPAR PORPHYRY - fine to med. grained; generally pink; red alt'n 7.9 - 8.6 - minor qtz-carb veins 40-50' - weak, beige carb alt'n 5.2-5.4 - generally, no significant min'n, veining or alt'n; occ'n weak diss'n Py	13808 13809 13810 13811 13812	4.77 5.75 6.50 7.20 7.95	5.75 6.50 7.20 7.95 8.87	0.98 0.75 0.70 0.75 0.92		0.44 0.62 1.68 0.38 0.34

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
8.87	9.37	MAFIC VOLCANICS - fine grained; green; - minor qtz-carb veining 45' -.5-1% diss'nd, blebs, wisps, and stringers -contacts 35-40' -weak pinkish alt'n along shears - strongly magnetic; non-calcitic	13813	8.87	9.37	0.50		0.68
9.37	9.85	RED ALT'D PORPHYRY (GASPERITE?) - fine grained to aphanitic; - fracture and bx'd one in-filled with qtz-carb grey-white mat'l (hematitic) - subparallel -.5-1% blebs and stringer pyrite locally	13814	9.37	9.85	0.48		2.74
9.85	12.83	HBLD-FELDSPAR PORPHYRY - grey to purplish grey; med to c.g. - range from a grey phase with large 1 cm hbl'd crystals to a finer grained purplish phase -no sig'n min'n, alt'n, or veining	13815 13816 13817 13818	9.85 10.65 11.40 12.15	10.65 11.40 12.15 12.83	0.80 0.75 0.75 0.68		<.2 <.2 <.2 <.2
12.83	15.10	MAFIC VOLCANIC - green; fine grained; - strongly calcitic and magnetic - med. abund. insig'n qtz-carb veins and veinles - minor pyrite mineralization	13819 13820	12.83 14.25	14.25 15.10	1.52 0.85		<.2 <.2
15.10	16.50	ALT'D MAFIC VOLCANICS - very fine grained; pinkish green alt'n, brecciated locally with yellow-green alt'd aphanitic frags; sili'd hematitic alt'n - minor wisps and stringer pyrite locally - fairly abund insig'n qtz-carb and veining at 45'	13821 13822	15.10 15.75	15.75 16.50	0.65 0.75		<.2 <.2
16.50	16.9	HYBRID-M.V. AND AFLITE - pink to red hematitic alt'n; cherty eplite - strongly brecciated; - insig'n min'n or veining	13823	16.50	16.90	0.40		<.2

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
16.9	25.8	GREY FELDSPAR PORPHYRY	13824	16.90	18.65	1.75		<.2
		- grey; med. to coarse grain	13824	18.65	20.00	1.35		<.2
		- weak pink alt'n from 24.2 to 25.8 with minor shearing and carb alt'n	13824	20.00	21.50	1.50		<.2
		-no sig'n min'n but fairly abund qtz-carb veins at 30'	13824	21.50	23.00	1.50		<.2
		- specks of biotite t.o.	13824	23.00	24.20	1.2		<.2
		-weakly magnetic locally	13824	24.20	24.95	0.75		<.2
		- strong pervasive calcite t.o. but weak in the alt'd section 24.2-25.8	13824	24.95	25.80	0.80		<.2
		- generally unaltered massive porphyry						

NOTE: Alteration in last 5.0 ' may warrant extension of hole

Property Rundle Mine	TP. or Area Newton Twp	Azimuth 225.323	Date Started 26/11/87	Corrected Dip Tests	Location sketch
Project 3382	Lot. & Conc.:	Dip 0	Date Completed 26/11/87		
Claim No.	Co-ordinates: 1964.692 N	Length 10.3	Drilled By: N Morissette Can.		
Grid No. Ramp (Leg I)	2900.433 E	Collar Elev. 3969.912	Logged By: R.E.N		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0	1.62	PINK-RED ALT'D PORPHYRY - med. crained; red-grey alt'd - minor qtz-carb veining; - weakly magnetic; non-calcitic - no. signif. min'n generally; 1-2% fine Py near out-contact	13925	0	1.62	1.62		0.75
1.62	3.98	PINK ALT'D FELDSPAR PORPHYRY (ORE PORPHYRY) - med. to coarse grained; pink with greyish hue due to silicification - minor qtz-carb veining; - 1 to 3% fine diss'd pyrite t.o.	13926 13927 13928 13929	1.62 2.26 2.90 3.32	2.26 2.90 3.32 3.98	0.64 0.64 0.42 0.66		3.43 6.86 8.23 6.17
			AVG	2.26	5.06	2.8		7.11
			AVG	1.62	5.76	4.14		5.81
3.98	8.96	MAFIC VOLCANICS - fine grained; green to green grey -alt'd to grey and beige. from 3.98 to 5.06 along fractures with qtz-carb veinlet and 1-3% diss'nd and stringer pyrite. Intensely alt'd beige-rey 3.98 to 4.38 at contact with 5% diss'nd, bleb and stringer pyrite - non-calcitic in alt'd and mineralized sections	13930 13931 1392 1392	3.98 4.38 5.06 5.41	4.38 5.06 5.41 5.76	0.40 0.68 0.35 0.35		13.37 3.87 0.96 4.63
			AVG	2.26	5.76	3.50		6.25
			AVG	1.62	5.76	4.14		5.81

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		- From 5.56 to 8.96 only; minor alt'n and min'n with strong pervasive calcite and strongly magnetic	13934	5.76	6.51	0.75		1.03
			13935	6.51	7.24	0.73		1.95
			13936	7.24	7.99	0.75		1.2
			13937	7.99	8.96	0.97		1.44
8.96	10.3	HBLD- FELDSPAR PORPHYRY - med.grained; purplish grey; -strongly calcitic; med; magnetic -trace pyrite	13938	8.96	10.30	1.34		0.48
	10.3	E.O.H.						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	224.878	26/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0	27/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1967.416 N	19.5	N Morissette Can.		
Grid No.	2896.432 E	Collar Elev.	Logged By:		
Ramp (Leg I)		3968.719	R.E.N.		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0	2.18	ALT'N MAFIC VOLCANIC - fine grained; normal green in patches; mostly alt'd to beige and grey carb'nd along fractures in-filled with qtz-carb veins and veinlets - generally 3-5% diss. and stringer pyrite - non-calcite; strongly magnetic	13693 13964 13965	0 0.67 1.50	0.67 1.50 2.18	0.67 0.83 0.68	1 3-5	<.2 6.86 22.70
			AVG	0.67	2.81	2.14		10.80
2.18	6.58	PINK ALTERED FELDSPAR PORPHYRY - fine to med. grained; salmon-pink - non-calctic; weakly magnetic - abund qtz-carb veins and veinlets 45-50' - no significant min'n (tr. pyrite) generally	13696 13697 13698 13699 13700 13701 13702	2.18 2.81 3.09 3.73 4.55 5.30 5.76	2.81 3.09 3.73 4.55 5.30 5.76 6.58	0.63 0.28 0.69 0.82 0.75 0.46 0.82		3.15 0.69 3.05 2.43 <.20 0.24 0.21
NOTE: Ore Porphyry alt. (pale pink sili'n) at 2.81 to 3.09 with 1% fine diss'd Py. Alt'n appears to be 40-45'			AVG	0.0	4.55			5.99

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
6.58	11.78	GREY FELDSPAR PORPHYRY						
		- med. to coarse greained; grey; pinkish grey locally	13703	6.58	7.20	0.62		0.21
			13704	7.20	7.95	0.75		<.2
			13705	7.95	8.72	0.77		<.2
		- weakly calcitic locally	13706	8.72	9.47	0.75		<.2
			13707	9.47	10.28	0.81		<.2
		- mod. magnetic	13708	10.28	11.15	0.87		<.2
			13709	11.15	11.75	0.60		<.2
		- abund. qtz-carb veinlets and veins 40-50%						
		- fractural and very weak alt'n 10.68 to 10.78						
		with hematitic qtz-carb vein and tr. pyrite						
		- generally no sit'n, alt'n, or mineralization						
11.78	14.33	GREY F.P. CONT'D	13831	11.75	12.55	0.80		<.2
		- grey F.P. m.g. to c.g.	13832	12.55	13.40	0.95		<.2
		- 20% secondary feldspar prphyro blasts	13833	13.40	14.30	0.90		<.2
		- weakly magnetic						
		- few fine fractures healed with calcite						
		- weakly hematitic						
14.33	15.96	RED ALT'D F.P.						
		- red alt'd version of above unit	13834	14.30	14.90	0.60		<.2
		- hematitic - fractures healed with white dolomite at 60' at 14.40 -14.46	13835	14.90	15.5	0.60		<.2
			13836	15.5	15.65	0.15		<.2
		- fractured with chl.-qtz stockwork 15.20-15.31	13837	15.65	16.00	0.35		<.2
		- fracture zone with pale beige alt'n tr. f.g. Py at 55-60' 15.50-15.66						
15.65	19.5	GREY F.P.						
		- grey F.P., m.g. -faint relict feldspars	13838	16.0	17.0	1.0		<.2
		- weakly hematitic chloritic	13839	17.0	18.0	1.0		<.2
		- few fine fractures healed with calcite	13840	18.0	19.0	1.0		<.2
		- few narrow dykes of hbde F.P. 16.8-16.9	13841	19.0	19.5	0.5		<.2
		- 0.1 m ground core at 16.9						
		-quartz calcite vein with frags. of F.P. at 55' at 18.22-18.29						
	19.5	E.O.H. Core size ltk-46 whole core sampled						

Hole No.	1-026	Northing	Grid Orient 0	Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test	Started	27-11-87	Logged by	A. SOEVER
Property	BUNDLE MINE	Easting	Grid Azim. 226.3									Finished	27-11-87	Checked by	
Section		Elevation	Length (M) 17.1									Drill Co.	H.MORISSETTE	Core	LTK-47
Claim No.		Survey N.	Dip-Collar -3.5									Drill No.		Comments:	
Target		Survey S.	Comp Bearing 226.3									Drill For.			

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	EST PCT PY	AB IN GPT
0.00	0.50	MAFIC VOLCANICS dark grey fine-grained mafic volcanics; weakly calcitic, magnetic; trace fine-grained disseminated pyrite; lower contact at 40 to core axis	13745	0.00	0.50	0.50	0.00	0.00
0.50	1.20	ALTERED RED FELDSPAR PORPHYRY dark green grey pink; relict feldspar; fractures chloritic hematitic; 1% disseminated pyrite; weak PALE GREY BEIGE ORE ALTERATION	13746	0.50	1.20	0.70	1.00	0.30
	0.50 - 1.20	\$ ALTH_VEINS weak; MINERALISATION py=1;						
1.20	9.56	GREY BIOTITE FELDSPAR PORPHYRY fine-grained LAMPORPHYRE DYKE dykes 5.2-5.7, 7.92-8.09, chloritic slips at low angle to core axis 6.2-6.5, 7.56-7.77 narrow bleached zone 7.0-7.14	13747	1.20	2.20	1.00	0.00	0.00
			13748	2.20	3.20	1.00	0.00	0.00
			13749	3.20	4.20	1.00	0.00	0.00
			13750	4.20	5.20	1.00	0.00	0.00
			13751	5.20	6.20	1.00	0.00	0.00
	7.00 - 7.14	\$ ALTH_VEINS bleached zone;						
			13752	6.20	7.20	1.00	0.00	0.00
			13753	7.20	8.20	1.00	0.00	0.00
			13754	8.20	9.40	1.20	0.00	0.00
9.56	10.37	MAFIC VOLCANICS dark grey; fine-grained; weakly calcitic; minor fine-grained pyrite	11724	9.56	10.37	0.81	0.00	0.00
10.37	13.68	GREY BIOTITE FELDSPAR PORPHYRY as from 1.2-9.56						
13.68	17.10	MAFIC VOLCANICS dark green medium-grained; diabase or coarse-grained flow; massive; magnetic; weakly calcitic.	11725	13.68	15.00	1.32	0.00	< 0.00
17.10	17.10	END OF HOLE						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	045	03/12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0	03/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1983.7 N	14.48	N Morissette Can.		
Grid No.	2879.8 E	Collar Elev.	Logged By:		
Ramp Leg I		3963.4	C.P. Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							

OBJECTIVES:-

0.0	4.03	ALT'D MAFIC VOLC:- med. grey, f.g., magnetic	11756	0.0	0.35	0.35	10-15	11.55
			11757	0.35	0.60	0.25	2-3	1.44
			11758	0.60	1.00	0.40	15-20	35.62
		STRUCTURE:-sheared	11759	1.00	1.75	0.75	3-5	9.63
			11760	1.75	2.50	0.75	10-15	17.35
		ALT'N AND VEINS:-strong lt. grey cb alt'n throughout with numerous thin lt. grey quartz carbonate veilets randomly oriented	11761	2.50	3.25	0.75	2-4	11.55
			11762	3.25	4.03	0.78	5-7	12.82
			AVG		0.0	4.03	4.03	14.28

MINERALIZATION:- 10-15% f.g. wispy and diss. Py

4.03	5.98	RED (PINK) ALTERED F.P. WITH VOLC. INCL.:- pink, m.g., slightly magnetic						
		STRUCTURE:- sheared	11763	4.03	4.68	0.65	tr-.5	2.71
			11764	4.68	4.82	0.14	5-10	7.82
		ALTERATION AND VEINS:- pink colour, numerous, q.c. veins	11765	4.82	5.50	0.68	tr	0.24
			11766	5.50	5.98	0.48	tr-.5	0.75

MINERALIZATION: tr Py

REMARKS:- good altered volc, inclusion 4.68-4.82

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
5.98	7.45	ALTERED MAFIC VOLCANIC:- as above, overall alt'n and min'n not as good but local patches just as good	11767	5.98	6.72	0.74	tr-.5	2.81
			11768	6.72	7.25	0.53	10-15	31.10
			11769	7.25	7.45	0.20	tr-.5	7.95
7.45	12.10	RED ALT'D F.P. (ORE PORPHYRY):-med to beige, slightly mag.						
		STRUCTURE:- highly sheared	11770	7.45	8.00	0.55	tr-.5	0.96
			11771	8.00	8.63	0.63	5-7	10.87
			11772	8.63	9.02	0.39	3-5	24.17
		ALT'N AND VEINS:- good beige red alt'n, numerous thin lt. grey qc veins	11773	9.02	9.26	0.24	5-7	4.11
			11774	9.26	9.63	0.37	tr-.5	0.55
			11775	9.63	10.25	0.62	5-7	5.49
		MINERALIZATION:- overall 5-7% f.g.-m.g. diss Py	11776	10.25	11.00	0.75	7-8	3.77
			11777	11.00	11.70	0.70	1-2	4.25
		REMARKS:- cherty exhalite band 8.63- 9.02 11.70-12.10	11778	11.70	12.10	0.40	1-2	3.29
12.10	14.48	MAFIC VOLCANIC:- dk. grey, f.g. magnetic	11779	12.10	12.75	0.65	tr	0.27
			11780	12.75	13.74	0.99	tr-.5	0.82
		STRUCTURE:- sheared	11781	13.74	13.95	0.21	3-5	6.79
			11782	13.95	14.48	0.53	tr-.5	1.03
		ALT'N AND VEINS:- strongly calcitic with numerous thin lt. grey calcite veins						
		MINERALIZATION:- tr. Py						
		REMARKS:- red alt'd f.p. inclusion 13.74-13.95 with 3-5% Py						
		LKT 47 core -whole core sampled						
			AVERAGES					
				0.0	4.82	4.82		12.53
				4.82	5.98	1.16		0.45
				5.98	12.10	6.12		7.95
			or	0.0	12.10	12.10		9.06

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	20.44	09/09/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.	10/09/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
2nd level	1975.559 N	20.8	N Morissette Can.		
Grid No.	2920.702 E	Collar Elev.	Logged By:		
#2 DDST		3942.836	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:--test B North zone north of second leg of rays								
0.0	4.5	ALTD MAFIC VOLCANICS	10466	0.0	1.5	1.5		0.7
		-massive fg grey mafic volc.	10467	1.5	3.0	1.5		tr
		-3-4% fine hairline fractures healed with calcite	10468	3.0	4.3	1.3		tr
		-minor pale grey qtz-carb altn; breccia zone with cm scale fragments of volcanics in a pyritic qtz-apatite matrix;	10469	4.3	4.7	0.4		-
		2.52-2.70 -narrows qtz-apatite vein 3.63-3.72;						
		1% fg diss Py; 1-2% fg diss Py assoc with with qtz-carb altn; 3-4% fg to vfg diss Py with sheared contact zone 4.32-4.48;						
		-patch of dk grey porphyry 3.83-3.92						
		-sheared zone intermixed sheared volcanic and porphyry; 4.32-4.48 -hematitic-chloritic						
4.5	8.5	RED ALTD FP	10470	4.7	6.0	1.3		1.1
		-red mg altd fp	10471	6.0	7.0	1.0		1.1
		-only faint relict feldspars	10472	7.0	8.0	1.0		1.1
		-hematitic-chloritic-becomes paler in colour due to increase in qtz-carb altn towards base	10473	8.0	8.5	0.5		1.6
		-few hairline fractures healed with qtz-calc-dolomite; .5-1% fg Py- FP 7.0-8.5; only traces Py above this; 5% Py in sheared section 4.5-4.7	AVG	4.7	8.5	3.8		1.2
		-4.5-4.7 -sheared section with streaky chl. inclusions of mafic volc						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
0.0 (CONTINUED)	4.5	-lower ct marked by narrow 2cm band of grey qtz-carb altn with 10% Py						
8.5	10.6	HYBRID ROCK -altd mafic volcanics and red altd prophyry -extensive pale grey-beige-qtz carbonate altn but very little Py -sections broken blocky core 8.8-9.5,10.0-10.1	10474 10475	8.5 10.0	10.0 10.6	1.5 0.6	tr tr	0.7 0.5
10.6	15.3	TALC CHLORITE-CARBONATE SCHIST dk grey -green talc-chlorite carbonate schist with stringers white calcte -inclusion sheared fractured red FP 12.83-12.95; -lamp dykes from 14.14-14.20, 14.44-14.79	10476 10477 10478	10.6 12.0 13.5	12.0 13.5 15.0	1.4 1.5 1.5	- - -	- 0.2 tr
15.3	20.8	MASSIVE U.M. -dk grey massive u.m. flow -slightly talcose-chloritic; tr-1% Py -2% Py 17.30-18.70; red fg fp dykes 19.33-19.70, 19.94-20.33	10479 10480 10481 10482	15.0 16.5 18.0 9.5	16.5 18.0 19.5 20.8	1.5 1.5 1.5 1.3	tr-1 1-2 1-2 tr-1	tr - 0.2 -
999		EOH Core Size LTK46 split core sampled						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip	Tests	Location sketch
Rundle South	Newton Twp	345.25	10/09/87			
Project	Lot. & Conc.:	Dip	Date Completed			
3382		0.0	11/09/87			
Claim No.	Co-ordinates:	Length	Drilled By:			
2nd level	1975.047 N	21.9	N Morissette Can.			
Grid No.	2919.393 E	Collar Elev.	Logged By:			
#2 DDST		3942.747	A. Soever			

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:--to test B North zone north of ramp								
0.0	5.2	ALTERED MAFIC VOLCANICS	10493	0	1.5	1.5	1-2	0.1
		-grey f.g. altered mafic volc.	10494	1.5	3.0	1.5	1-2	0.6
		-strongly magnetic	10495	3.0	4.5	1.5	1-2	0.2
		-calcitic, weakly chloritic hematitic	10496	4.5	5.2	0.7	1-2	2.8
		-network of hairline fractures healed with calcite assoc with calcitic alteration						
		1-2% vfg to fg diss Py						
5.2	14.3	RED ALTERED FP	10497	5.2	6.7	1.5	tr-1	0.2
		-brighter red altered fp	10498	6.7	8.2	1.5	tr-1	0.2
		-no relict feldspars seen	10499	8.2	9.7	1.5	tr-1	2.7
		-alteration hematitic, weakly chloritic;	10500	9.7	11.2	1.5	1-2	3.5
		-massive structure, few hairline healed with dolomite qtz; fracture to 1% PY -locally at	10501	11.2	12.4	1.2	1-2	2.3
		9.3-9.4, 11.18-11.37; 2% vfg Py assoc with pale	10502	12.4	12.8	0.4	5-6	8.6
		brown altn- 3-4% Py 12.8-14.3 in well altd porp.	10503	12.8	14.3	1.5	3-4	2.3
		12.44-12.80 -well min'd inclusion of mafic volcs	AVG	8.2	14.3	6.1		3.1
		-porphyry adjacent to inclusion is also min'd						
		5-6% Py; lamp dykes from 7.35-7.88, 7.98-8.02						

METRES		DESCRIPTION	Sample#	DRILL HOLE No. 2-002			Est. % Py	ASSAYS g/t Au
From	To			From	To	Length		
14.3	17.8	HYBRID ZONE	10504	14.3	15.8	1.5	tr	0.3
		-inclusions of mafic volcanic with highly altd	10505	15.8	16.8	1.0	tr	0.1
		porphyry; mafic volcanics cut by network of	10506	16.8	17.8	1.0	tr	0.2
		dolomite-qtz veins						
		-dolomitic, weakly hematitic-chloritic;						
		tr-.5% vfg to fg diss Py						
		-narrow band talc-chloritic carbonate schist						
		17.06-17.36						
17.8	21.9	TALCOSE-CHLORITIC U.M.	10507	17.8	19.3	1.5	tr	0.1
		-dk green talcose chloritic um	10508	19.3	20.8	1.5	tr	0.2
		-not talc-chlorite -carbonate schist	10509	20.8	21.9	1.1	tr	tr
		-relict spinifex texture easily discernable						
		-narrow alt. porphyry dyke 18.76-18.83						
	21.9	END OF HOLE						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	49.17	11/09/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	13/09/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
2nd Leg	1974.535 N	22.00	N Morissette Can.		
Grid No.	2921.598 E	Collar Elev.	Logged By:		
#2 DDST		3942.843	C.P. Zorzi		

METRES		DESCRIPTION	Sample#	Corrected Dip Tests			Est. % Py	ASSAYS Au g/t
From	To			From	To	Length		
OBJECTIVES:-to test B North Zone North of Ramp								
0.00	4.9	MAFIC VOLCANICS	10522	0	1.0	1.0	tr	tr
		-dk green to black, f.g., magnetic	10523	1.0	2.5	1.5	tr-.5	0.1
		-highly fractured with broken blocky core	10524	2.5	4.0	1.5	tr-.5	0.5
		-relatively unaltered calcitic veinlets throughout with patches of garnet	10525	4.0	5.5	1.5	tr-.5	1.6
		- tr-.5% fg diss Py throughout						
4.90	9.60	RED ALT'D FP	10526	5.5	7.0	1.5	tr-.5	0.5
		-red to pink fg with mg fsp phenos, magnetic in places, chloritic and some hbl'd crystals	10527	7.0	8.5	1.5	tr-.5	0.2
		-sheared; good red cb alt'n numerous qtz-cb veins and calc veins; tr fg diss PY	10528	8.5	9.6	1.1	tr-.5	0.9
9.6	12.68	ALT'D MAFIC VOLC	10529	9.60	11.00	1.4	1-2	0.7
		-as above 0-4.90, becoming cherty ~11.50-11.85	10530	11.00	11.80	0.85	2-3	1.2
		-highly fractured; minor lt; grey cb alt'n with numerous thin imm qtz-cb veins; .5-1% fg diss Py overall with short sections containing up to 2% Py	10531	11.85	12.68	0.83	2-3	1.2
		Red F.P. 10.50-10.93						
		11.85-12.20						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
12.68	15.90	SHEARED SPINIFEXED U.H. -dk green to black, fg, soft, chloritic, talcose, magnetic; sheared and spinifexed, schistosity ~60° -numerous thin calcite and few thin qv						
15.90	17.47	HBLD FSP PORPHYRITIC DYRE (LAMP?) -purple red, f.g. with few sparse f.g. fsp phenos and 10-15% f.g. hbl, also very chloritic; sheared -numerous thin lt grey calcite veins						
17.47	22.00	MASSIVE TO POLYHEDRAL JOINTED U.M. -dk green to black, fg, soft, talcose, chloritic, slightly magnetic; polyhedral jointing in places and massive -numerous thin lt grey calcite veins						
	22.00	END OF HOLE Core Size LTK-46 Split Core sampled						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	26.22	14/09/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	14/09/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
2nd Leg	1982.742 N	19.10	N Morissette Can.		
Grid No.	2900.299 E	Collar Elev.	Logged By:		
#1 DDST		3947.71	C.P. Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	3.85	RED BROWN ALTD FP	10532	0	1.5	1.5	5	15.8
		-brown red fg matrix with mg to cg pheos of fsp	10533	1.5	3.0	1.5	5	5.3
		non-magnetic, possibly secondary fsp; sheared	10534	3.0	3.85	0.85	3-5	3.7
		- good red brown altn with numerous thin lt						
		grey qtz-cb veinlets; 5-7% fg diss Py overall	AVG	0	3.85	3.85		9.04
3.85	10.30	RED ALTD FP	10535	3.85	5.00	1.15	1	0.4
		-red, fg mg with mg fsp phenos, non-magnetic	10536	5.00	6.50	1.5	.5-1	1.3
		with fg bt and hbl, chl. slips; sheared	10537	6.50	8.00	1.5	.5-1	2.2
		-red cb altn, numerous paper thin cb veinlets	10538	8.00	9.50	1.5	.5-1	1.5
		- tr-1% fg diss Py; cherty exhalite 0.2cm at	10539	9.50	10.3	0.8	.5-1	5.2
		lower ct	AVG	9.5	11.50	2.0		4.00
			AVG	0.0	11.5	11.5		4.41
10.30	12.20	ALTD MAFIC VOLC AND CHERTY EXHALITE						
		-dk grey to black, fg, magnetic in places with	10540	10.3	11.50	1.2	.5-1	3.2
		short 10-20cm exhalite near upper ct;	10541	11.50	12.40	0.9	tr-.5	0.8
		-highly fractured but infilled with qtz/cb						
		veinlets; purple grey cb in volc with red cb	AVG	9.5	11.50	2.0		4.0
		altn in exhalites; numerous paper thin to 2mm						
		qtz cb veins; .5-1% fg diss Py overall, exhalite						
		bands contain slightly greater amounts of Py						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
12.20	16.68	HBLD FSP PORPHYRITIC DYKE (LAMP?) -purple grey, fg, with mg mafic crystals, chloritic infillings; mod shearing and fracturing -numerous thin 1-5mm calcite veins; strong pervasive calcite; 15.35-15.90 polyhedral jointed U.M.						
16.68	19.10	POLYHEDRAL JOINTED U.M. -dk green to black, soft, chloritic talcose; good jointing and spx						
	19.10	END OF HOLE Core Size LTK-46 Split Core sampled						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip	Tests	Location sketch
Rundle Mine	Newton Twp	349.79	14/09/87			
Project	Lot. & Conc.:	Dip	Date Completed			
3382		0.0	15/09/87			
Claim No.	Co-ordinates:	Length	Drilled By:			
2nd Leg	1981.23 N	20.97	N Morissette Can.			
Grid No.	2899.87 E	Collar Elev.	Logged By:			
R-481-XCN(L-2)		3947.72	C.P. Zorzi			

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	12.10	RED ALTD FP	10510	0	1.5	1.5	3-5	5.7
		-med to beige red, fg matrix with fg to mg fsp	10511	1.5	3.0	1.5	3-5	4.4
		phenos; highly sheared but later silicified	10512	3.0	4.5	1.5	3-5	4.1
		-good red with lt grey to beige cb altn; highly	10513	4.5	6.0	1.5	5-7	9.3
		silicified; numerous thin 1-3mm lt grey qtz and	10514	6.0	7.5	1.5	7-10	7.3
		qtz-cb veinlets; minor infillings of chlorite and	10515	7.5	9.0	1.5	.5-1	0.7
		specularite; good altn fades near end of section;	10516	9.0	10.50	1.5	3-5	1.5
		3-5% f.g. diss Py throughout	10517	10.50	11.90	1.4		0.2
		AVG		0	7.5	7.5		6.69
12.10	14.30	MAFIC DYKE VOLCANIC						
		-fracture with minor fractures throughout;	10518	11.90	12.50	0.60	2-3	0.5
		numerous thin lt grey qtz-qtz/calc veinlets;	10519	12.50	14.00	1.50	.5-1	0.3
		tr-.5% fg wispy Py; cherty exhalite 11.90-12.20						
		with hands of f.g. Py						
14.30	15.10	RED ALTD FP	10520	14.00	15.10	1.1	.5-1	1.7
		-red, fg with <.5% med grained fsp phenos; sheared						
		good red cb altn with few thin 1mm to 5mm lt grey						
		cb altn; tr-.5% fg diss Py						
15.10	15.90	RED ALTD FP WITH CLASTS OF MAFIC VOLCANICS	10521	15.10	15.90	0.8	5	12.3
		-red brown, fg, magnetic; highly sheared with bx	AVG	14.0	15.9	1.9		6.2
		blocks 5cm of mafic volc; red cb altn with thin						
		lt grey calcite veins; strong pervasive calcite						
		5-7% f.g. diss and patchy Py						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
15.90	20.05	SHEARED SPINIFEXED U.M. -green-black f.g. talcose, soft, magnetic; highly sheared and fractured with blocky core and ground sections; silicified in places with patchy qtz and qtz veins; numerous thin lt grey calcite veins						
20.05	20.97	MAFIC U.M. VOLCANIC (GABBROIC DYKE?) -med green to dk grey, mg to cg, non-magnetic with clasts from 1mm to 3mm(mafic); massive; few wispy pink calcite veinlets, strong pervasive calcite						
	20.97	END OF HOLE Core Size LTK-46 Split Core sampled						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip	Tests	Location sketch
Rundie Mine	Newton Twp	230.	10/10/87			
Project	Lot. & Conc.:	Dip	Date Completed			
3382		0.0	11/10/87			
Claim No.	Co-ordinates:	Length	Drilled By:			
	1978.9 N	23.0	N Morissette Can.			
Grid No.	2910.5 E	Collar Elev.	Logged By:			
R-497XCS (1-3)		3947.71	C.P. Zorzi			

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:--								
0.0	4.77	RED ALTD FP -reddish brown, mg, slightly magnetic; sheared -good reddish brown cb altn throughout becoming weak near the end; numerous 3-5mm lt grey qc veins at 45', minor sericite altn here and there -upper 1.5 m with 3-5% f.g. diss Py; remainder of section 1-2% fg diss Py	10350 10351 10352	0.0 1.5 3.0	1.5 3.0 4.5	1.5 1.5 1.5	3-5 1-2 .5-1	3.26 0.91 <.20
4.77	7.85	GREY SLIGHTLY ALTD FP -grey-red, magnetic, minor up to 5% fg bio; -moderate shearing; numerous 1-2mm lt grey qc veins at 45'; very vague red cb altn; tr-.5% fg diss Py	10353	4.5	6.0	1.5	tr-.5	<.20
7.85	10.23	MAFIC VOLCANICS -med. grey-green, fg, magnetic; moderate shearing and fracturing; numerous paper thin calcite veins randomly oriented, one set is distinct at ~25-30' -strong pervasive calcite; 1-2% fg patchy Py	10354	8.00	9.50	1.5	1-2	<.20
10.23	12.30	GREY SLIGHTLY ALTD FP -as above 4.77-7.85						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
12.80	14.45	MAFIC VOLCANICS -as above 7.85-10.23; slight amt of lt grey cb altn: 1-2% fg patchy Py	10355	13.00	14.45	1.45	1-2	<.20
14.45	16.47	GREY SLIGHTLY ALTD FP -as above 4.77-7.85 -slightly better reddish pf cb altn						
16.47	17.24	RED ALTD FP AND ALTD MAFIC VOLCANICS -lt grey, fg, magnetic, small patches of red altd FP; highly sheared and bx'd; good lt grey cb altn numerous paer thin lt grey cb veins; .5-1% vfg-fg diss Py	10356	16.47	17.24	0.77	.5-1	1.27
17.24	18.84	ALTD MAFIC VOLCANICS -fg grey altd mafic volcs, magnetic, quite calcitic, 1-2% hairline fractures healed with calcite; 2% fg diss Py 17.70-18.60	10397	17.24	18.84	1.6		2.37
18.84	20.24	GREY FP -pale grey mg FP; 20-30% cg relict feldspars - 3-4% fg diss bro.; massive; tr:1% diss Py	10398	18.84	20.24	1.4		0.24
21.27	23.00	MAFIC VOLCANICS -dK grey mg mafic volcanics; massive, 2% fine hairline fractures healed by qtz-calcite +/- epidote and pyrite; short section red altd Fp 21.27-23.31						
	23.00	END OF HOLE						

Property	IP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	200.	9/10/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	10/10/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1978.4 N	15.50	N Morissette Can.		
Grid No.	2910.9 E	Collar Elev.	Logged By:		
R-497XCS(L-3)		3920.43	C.P.Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:--to test southern limit of ore zone from leg 3 of the ramp								
0.00	5.73	RED ALTD FP	10357	0.0	1.5	1.5	5-7	4.35
		-red to beige; f.g. matrix, non-magnetic; highly sheared; good red to brown red cb altn; numerous 2-5mm qc veins randomly oriented; 3-5% fg patchy and diss Py, locally up to 10% Py	10358	1.5	3.0	1.5	3-5	1.89
		-expect values in 5-10 gpt range	10359	3.0	4.5	1.5	3-5	2.33
			10360	4.5	5.73	1.23	1-2	1.3
5.73	7.80	MAFIC VOLCANICS						
		-dk grey to green, fg, magnetic, vague schist'y at 30'; numerous paper thin calcite veins~30	10361	5.73	6.73	1.0	tr	1.97
		-strong pervasive calcite	10362	6.73	7.80	1.07	tr	0.56
7.80	10.66	RED ALTD FP	10363	7.80	8.80	1.0	tr	0.41
		-brick red, fg matrix with mg fsp, magnetic, sheared; red cb altn chlorite altn, mod. amt	10364	8.80	9.70	0.9	tr	0.46
		3-5mm qc veins; tr patchy Py	10365	9.70	10.66	0.96	tr	1.44
10.66	11.60	RED ALTD FP AND ALTD MAFIC VOLCANICS	10366	10.66	11.60	0.94	5-10	12.40
		-purple grey, fg, mag., highly sheared and bx'd						
		-good lt grey cb altn in volcanics and FP						
		-few thin qc veins, highly silicified; 5-10% fg diss Py; expect 5-10gpt values						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
11.60	15.50	MAFIC VOLCANIC	10367	11.60	12.60	1.0	3-5	0.82
		-as above 5.73-7.80; sections with 3-5% Py have been sampled but section is very calcitic	10368	12.60	14.10	1.5	3-5	1.10
	15.50	END OF HOLE LKT-37 core drilled						

Property Rundle Mine	TP. or Area Newton Twp	Azimuth 200.	Date Started 9/10/87	Corrected Dip tests	Location sketch
Project 3382	Lot. & Conc.:	Dip 0.0	Date Completed 10/10/87		
Claim No.	Co-ordinates: 1978.4 N	Length 15.50	Drilled By: N Morissette Can.		
Grid No. R-497XCS (L-3)	2910.9 E	Collar Elev. 3920.43	Logged By: C.P. Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES: -to test southern extension of ore zone from leg3 of the ramp								
0.00	2.70	RED ALTD FP -reddish brown, mg, slightly magnetic; highly sheared; good red brown cb altn, numerous paper thin lt grey qc veins at ~45°; 5mm qc veins running parallel to core; 5-8% fg diss Py; -expect values 5-8 gpt	10378 10379	0.0 1.5	1.5 3.0	1.5 1.5	5 5	6.03 2.46
2.70	12.90	GREY SLIGHTLY ALTD FP -grey to red, mg, magnetic, sections with 2-3% fg diss bio; minor fracturing; patchy red cb altn with paper thin qc veins in random orientation; tr py overall with short sections with 2-3% Py	10380 10381 10382	3.0 4.5 10.40	4.5 6.0 11.90	1.5 1.5 1.5	.5-1 tr-.5 tr-.5	0.24 <.20 0.51
12.90	19.35	RED ALTD FP -red to pink, mg to fg, slightly magnetic, fsp-phenos are more subhedral than those above; structure sheared; good red cb altn, numerous paper thin cb veins; chloritic and hematitic infillings in the veins and fractures; tr-.5% vfg Py over all with 2-3% Py locally	10383 10384 10385 10386 10387	12.90 14.00 15.50 17.00 18.50	14.00 15.50 17.00 18.50	1.1 1.5 1.5 1.5 0.85	tr-.5 tr-.5 tr-.5 .5-1 .5-1	0.82 <.20 1.27 0.31 0.34

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
19.35	28.52	GREY BIOTITE FP -light to med grey, mg, very slightly magnetic with 1-2% fg bio; minor fracturing; few paper thin lt grey calcite veins; pervasive calcite						
	28.52	END OF HOLE LKT-37 Core drilled						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	260.0	8/10/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	9/10/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1971.4 N	29.00	N Morissette Can.		
Grid No.	2923.6 E	Collar Elev.	Logged By:		
R-514XCS(L-3)		3925.0	C.F. Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS	
From	To							Au	g/t
OBJECTIVES:-to test south boundary of ore zone in leg3 of ramp									
0.00	3.00	HBLD FSP PORPHYRY? (INTERMEDIATE DYKE? LAMP?) -dull grey, fg, non-magnetic, mod. fracturing with few <1mm-3mm calcite veins; 3cm qc vein with tr patchy fg Py; vein at 60'	10369	0.8	0.9	0.1	tr	1.28	qcvein
3.00	7.53	GREY SLIGHTLY ALTD FP -grey-red, biotite in places, mg with mg fsp, non-magnetic; sheared; 10% thin lt. grey qc veinlets at predominantly 30'; very thin <1mm qc veinlets in random pattern; weak red cb altn throughout; 1-2% vfg diss Py throughout locally up to 5%	10370 10371 10372	3.00 4.5 6.0	4.5 6.0 7.5	1.5 1.5 1.5	1-2 tr-.5 tr-.5	2.13 1.82 0.96	
7.53	9.00	ALTD MAFIC VOLC AND RED ALTD FP (HYBRID ROCK) -lt grey and red patches, fg, magnetic; highly sheared; lt grey cb altn in volc with red cb altn in fp; strong silicification throughout - 10-15% fg diss Py; expect excellent values	10373	7.50	9.00	1.5	10-15	9.15	

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS	
From	To							g/t	Au
12.12	26.03	ALTD MAFIC VOLC -lt grey, aplite dyke 18.85-19.20, qc 21.25-21.47 fg, magnetic, mod. fracturing infilled with calcite and epidote; good epidote and gt alth throughout, numerous <1mm calcite veins; 3-5% fg diss PY, locally up to 20%	10375	15.50	17.00	1.5	3-5	1.92	
			10376	21.25	21.50	0.25	1-2	0.58	qcalcite
			10377	25.00	26.00	1.0	3-5	1.88	
26.03	27.90	GREY PINK FP -pinkish grey, fg matrix with mg fsp phenos, non- magnetic; mod fractures infilled with black chl and thin qc veins							
27.90	29.00	MAFIC VOLC -as above 12.12-26.03 drilling notes LKT-37							

Property	TP. or Area	azimuth	Date Started	Corrected Dip	Tests	Location sketch
Rundle Project	Newton Twp	200.0	8/10/87			
Project	Lot. & Conc.:	Dip	Date Completed			
3382		0.0	8/10/87			
Claim No.	Co-ordinates:	Length	Drilled By:			
	1969.5 N	14.60	N Morissette Can.			
Grid No.	2924.0 E	Collar Elev.	Logged By:			
R-514XDS(L-3)		3925.0	C.P.Zorzi			

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-to test south extension of ore zone in leg3 of ramp								
0.00	1.75	ALTD MAFIC VOLCANICS -med grey to black, fg, strongly magnetic; mod. fractured; lt grey cb altn here and there, numerous thin lt grey qtz and calc veins; 1-2 mm qtz vein rimmed with fg Py; 3-5% fg diss Py throughout, expect low to moderate values; grey bio fp dyke from 0.95-1.34	10388 10389	0.00 1.00	1.00 1.34	1.00 0.34	3-5 tr	<.20 0.58
1.75	2.92	RED ALTD FP -reddish brown, mg, slightly magnetic; sheared; good red altn with numerous 3-5mm qc veins; 2-3% fg diss Py; expect low to mod. values	10390 10391	1.34 2.50	2.50 2.92	1.16 0.42	2-3 2-3	2.57 0.51
2.92	3.85	RED ALTD FP AND ALTD MAFIC VOLCANICS (HYBRID RK) -grey to red, fg to mg, magnetic, altd mafic volc and patches of red altd FP; highly sheared and silicified; good lt grey cb altn in the volcanics with and red cb altn in the FP, numerous thin 2-3mm qc veins; 10-15% fg diss Py, more concen'd in the volcs; expect excellent values	10392	2.92	3.85	0.93	10-15	32.16

METRES		DESCRIPTION	Sample#	DRILL HOLE No. 2-010			Est. % Py	ASSAYS g/t Au
From	To			From	To	Length		
3.85	4.60	MAFIC VOLCANICS -med grey green, fg, magnetic; sheared; patchy lt grey cb altn with few 1-2mm calcite veins, strong pervasive calcite; patches with 5-10% Py overall 2-3% Py; expect low values	10393	3.85	4.60	0.75	2-3	5.73
4.60	10.35	GREY SLIGHTLY ALT FP -grey red, mg, slightly magnetic; fractd; minor red altn with few thin lt grey qc veins; tr-.5% vfg to fg diss Py NOTE (by A.S.): well altd 1-2% Py expect values, 7.0-7.5 mafic inclusion with 4-5% Py expect values; 10.35 actually measures 10.72	10570 10571 10572 10573 10574	4.6 6.1 7.0 7.5 9.0	6.1 7.0 7.5 9.0 10.35	1.5 0.9 0.5 1.5 1.35	1-2 1-2 4-5 1-2 tr-1	0.75 0.82 3.74 0.72 <.20
10.35	14.60	ALTD MAFIC VOLCANICS as above; sheared; numerous thin <1mm calcite veins; strong pervasive calcite; few 10cm and 1cm aplite dykes, few 2-3 mm qv; 1-2% fg diss Py; possible low values						
14.60	19.35	LAMPROPHYRE DYKE WITH INCLUSIONS MAFIC VOLCANICS -grey fg to mg lamp dyke; highly calcitic; 5% biotite non-magnetic, inclusions magnetic grey fg mafic volcanics from 14.85-15.30, 15.70-16.40, 16.60-17.08, 18.06-18.40						
19.35	25.0	FRESH GREY FP -narrow lamp dykes 21.70-21.95, 23.3-23.5 weakly pinkish hematitic 22.0-22.8						
	25.0	END OF HOLE Core: LKT-37						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	080.0	13/10/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	16/10/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1995.9 N	21.00	N Morissette Can.		
Grid No.	2906.4 E	Collar Elev.	Logged By:		
R-486XCS(L-3)		3918.0	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-to test northward extension of mineralization on third leg of ramp								
0.0	3.4	RED ALTD FP	10399	0.0	1.6	1.6	tr-1	5.59
		redish grey to bright red mg fp; highly altd	10400	1.6	2.3	0.7	5-6	0.75
		-relict feldspars remain 0.4-1.10; highly altd	10542	2.3	2.8	0.5	1-2	1.61
		with qtz-carb alteration producing qtz vein	10543	2.8	3.4	0.6	1	1.17
		stockwork above; massive with 2% fine hairline fractures healed with ; tr to 1% diss Py						
		0.0-1.6m, 5-6% fg diss Py ssoc with qtz stkwork						
		1.6-2.3; 1-2% fg diss py assoc with altd refics						
		2.3-2.8 -1% diss Py 2.8-3.4; inclusions altd mafic volcs 1.93-2.06, 2.30-2.82						
3.4	8.0	ALTD MAFIC VOLCANICS	10544	3.4	4.00	0.6	5-7	0.51
		-dk grey to reddish grey hematitic altd mafic	10545	4.0	5.0	1.0	1-2	0.34
		volc. mod. to strongly magnetic; massive, 3-4%	10546	5.0	6.0	1.0	1-2	<.2
		hairline fractures healed with calcite; quite	10547	6.0	7.2	1.2	1-2	<.2
		calcite- locally tinged red hematitic- 7.20-8.0	10548	7.2	8.0	0.8	6-8	0.48
		intensely altd- calcitic and hematitic; 5-7% fg						
		diss FY assoc with cherty exhalite bands						
		3.40-4.00 1-2%fg diss Py assoc with pale grey						
		calcite altn 4.00-7.20; 6-8% fg diss Py stringers						
		with intensely altd section 7.20-8.00						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
8.0	12.7	LAMPROPHYRE DYKE -fg red brown lamp dyke, 5% chl -hbde and bio -weakly magnetic, few feldspar phenocrysts- grading to hbde fdspr porphyry; chloritic-hematic -quite calcitic; massive ; 1% fg diss Py	10549 10550	8.0 9.5	9.5 11.0	1.5 1.5	1 1	<.20 <.20
12.7	15.90	MAFIC TO ULTRAMAFIC VOLCANICS -red green grey mg to fg mafic to ultramafic volcs massive with 2% stringers hem. calcite; chloritic weakly hematitic- calcitic; sections broken blocky core isot core 0.35 between 13.30-16.60						
15.90	19.30	LAMPROPHYRE DYKE -as from 8.0-12.7; broken blocky core 16.00-16.85 lost 0.3m						
19.30	21.0	POLYHEDRAL JOINTED ULTRAMAFIC VOLCANICS -pale grey green polyhedrally jointed um.; locally spinifex? chloritic, slightly talcose; ground core 0.2m at 19.3-19.5						
	21.00	END OF HOLE						

Property	FP. or Area	Azimuth	Date Started	Corrected Dip tests	Location sketch
Rundle Mine	Newton Twp	020.0	16/10/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	16/10/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1998.0 N	14.90	N Morissette Can.		
Grid No.	2905.5 E	Collar Elev.	Logged By:		
R-486XCN(L-3)		3918.0	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:--to test northern extent of mineralization north of R-486 XCN (L-3)								
0.0	3.0	HYBRID ZONE	10551	0.0	0.9	0.9	1-2	3.98
		-highly altd red fp with sections of highly altd mafic volcanics; pervasive, pale grey qtz carb. altn, slightly ly hematitic more calcitic to base fractured with flazure structure; 2-3% hairline fractures healed with calcite; breccia zone well defined vein of grey beige qtz carbonate altn at 65' 1.0-1.17; 1-2% fg diss Py with altd volcs 0.0-0.9; 5% Py in band of alteration 1.0-1.17; tr-1% Py in FP 1.2-2.0; 2-3% Py in altd mafic volcs 2.0-3.0; ct-sharp with next unit at ~90'	10552	0.9	1.2	0.3	5	0.99
			10553	1.2	2.0	0.8	tr-1	0.62
			10554	2.0	3.0	1.0	2-3	0.65
3.0	6.0	SHEARED U.M. (TALC CHLORITE CARB SCHIST)	10555	3.0	4.5	1.5	tr	<.20
		-dk grey green talc chlorite carb schist, less schistose to base; tr Py; hbde FP(lamp)dykes 3.12-3.54; 4.87-5.25; unit becomes less schistose to base grading to next unit; narrow 2-5 cm band at 3.0m at ~60-70'	10556	4.5	5.3	0.8	tr	<.20
6.0	14.90	ULTRAMAFIC VOLCANICS						
		-pale grey green mg um volcs; massive to locally polyhedrally jointed to spinifex; broke blocky core 8.8-9.8 lost 0.15m in this section						
	14.90	END OF HOLE						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	320.0	16/10/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	17/10/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1997.4 N	20.20	N Morissette Can.		
Grid No.	2903.0 E	Collar Elev.	Logged By:		
R-486XCN(L-3)		3918.0	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	Ass- Au g/t
From	To							
OBJECTIVES:-to test mineralized structure of R-486 XCN (L-3)								
0.0	2.7	ALTERED MAFIC VOLCANICS	10557	0.0	1.4	1.4	1	0.20
		-dk greenish grey fg mafic volcanics, magnetic	10558	1.4	2.7	1.3	1	0.38
		-clacitic, weakly chloritic, massive 3-4%						
		hairline fractures healed with calcite; 1% fg						
		diss Py; lower ct sharp at 50'						
2.7	3.7	RED ALTERED FP	10559	2.7	3.7	1.0	tr-1	0.20
		-red to pale grey m.g. altd FP; large relict						
		feldspars, minor biotite; tr-1% fg to vfg Py						
3.7	8.4	ALTERED MAFIC VOLCANICS	10560	3.7	4.7	1.0	1-2	0.20
		-med greenish grey fg mafic volcanics; mod	10561	4.7	5.2	0.5	3-6	0.41
		magnetic; quite calcitic, shot three with 5-10%	10562	5.2	6.4	1.2	tr-1	0.20
		fine hairline fractures healed with calcite;	10563	6.4	7.6	1.2	tr-1	0.27
		1-2% vfg to fg diss Py; 5-6% fg diss Py with	10564	7.6	8.4	0.8	3-4	0.12
		swirled bands in section red cherty exhalite						
		4.66-5.23; 3-4% fg diss PY assoc with hematitic						
		altd section 7.6-8.4						
8.4	11.0	SHEARED ULTRAMAFIC (TALC-CHLORITE CARBONATE SCHIST)						
		AND LAMP DYKES	10565	8.4	9.3	0.9	tr	6.00
		-sheared um to talc chlorite carb schist; lamp	10566	9.3	9.9	0.6	1-2	0.20
		dike 9.3-9.9 and 10.4-11.0; 1-2% fg diss Py with	10567	9.9	10.4	0.5	tr	0.20
		lamp dykes; broke blocky core 9.1-9.3	10568	10.4	11.0	0.6	1-2	0.20

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
11.0	17.0	SPINIFEX U.M. VOLC -pale green grey um volcs; massive, locally spinifexed; slightly talcose, chloritic; faint tr Py	10569	11.0	12.5	1.5	tr	4.20
17.0	20.2	LAMP DYKE -massive mg pale green lamp dyke; 5-10% bio and hbde; calcitic;						
	20.2	END OF HOLE						

Property	TP, or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	260.0	2/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	4/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1992.674 N	29.20	N Morissette Can.		
Grid No.	2903.106 E	Collar Elev.	Logged By:		
R-481XCN(L-2)		3947.61	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
		OBJECTIVES:-to test mineralization west of R-481 XCN (L-2)	10681	0.0	0.3	0.3	3-4	15.18
0.0	0.3	ALTERED MAFIC VOLCANICS	10682	0.3	0.6	0.3	3-4	11.93
		-dk grey fg altd mafic volcs; good brown ore	10683	0.6	1.6	1.0	1-2	2.60
		altn along fractures and along lower ct;	10684	1.6	2.8	1.2	1-2	0.72
		3-4% fg diss Py assoc with altn	10685	2.8	3.1	0.3	2-3	<.20
			10686	3.1	4.8	1.7	1-2	1.23
			10687	4.8	5.7	0.9	4-5	3.84
0.3	22.5	RED ALTERED FP	10688	5.7	6.9	1.2	1-2	0.54
		-red altd mg to cg fp -altered to various deg.	10689	6.9	7.1	0.2	4-5	3.94
		-0.3-0.6 bright red -extensive qtz-carb altn	10690	7.1	8.5	1.4	1-2	1.95
		along mesh of fine fractures 3-4% fg diss Py	10691	8.5	9.8	1.3	2	3.60
		-0.3-2.8 less altered dk red hematitic- relict	10692	9.8	10.3	0.5	6	10.08
		feldspars; 5-10% biotite-chloritic 1-2% fg diss	10693	10.3	11.8	1.5	2-3	1.44
		Py; missing 0.5m core from 0.0-2.2;	10694	11.8	13.3	1.5	2-3	0.96
		2.8-3.08 -vfg grey to brick red jasperite-fract	10695	13.3	14.8	1.5	2-3	3.50
		at 30' 2-3% fg to vfg Py	10696	14.8	16.3	1.5	2-3	3.29
		3.08-4.8 -as from 0.3-2.8 -fine fractures healed	10697	16.3	17.8	1.5	2-3	0.27
		with qtz-dolo at 30-35' from 3.9-4.8	10698	17.8	18.8	1.0	2-3	0.65
		4.8-5.7 -highly altd red FP -no relict feldspars	10699	18.8	19.9	1.1	2-3	0.75
		-pervasive qtz carb altn along fine meshwork	10700	19.9	21.0	1.1	1	0.54
		of fractures- 4.5% fg to fbg diss Py	10701	21.0	22.5	1.5	1	1.40
		5.7-8.5 -as from 0.3-2.8 section sim. to 4.8-5.7						
		with extensive qc altn and 4-5% Py- qc altn along						
		fracture at 70' at 8.11-8.17						
		8.5-10.3 -highly altd red feldspar porphyry						
		-pervasive qc altn along network fine fractures;						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
0.3 (CONTINUED)	22.5	-2% fg to vfg diss Py from 8.5-9.8 -6 Py 9.8-10.3 10.3-22.5 -bright red altd FP -mod qc-altn; 2-3% fg diss Py to 19.9 -less altn and only <1% diss Py 19.9-22.5 -mm to cm scale fractures healed with qtz dolomite from 0-30' from 10.3-16.0 sections blocky core 10.3-11.2, 11.7-12.0, 13.0-13.13, 15.2-16.6 -16.73-16.79 and 16.9-16.98 -breccia zones with fine mm frags of FP in a dolomite qtz matrix; lower ct sharp at 45'						
22.5	25.3	MAFIC VOLCANICS -dk grey fg to mg mafic volcanics; magnetic; slightly calcitic 1% fine fairline fract. healed with calcite; epidote healed fractures 24.2-25.2 -speckled with 1-2% mg Py streaked at 30'	10702 10703	22.5 24.0	24.0 25.3	1.5 1.3	1-2 1-2	<.20 0.27
25.3	27.6	GREY FP -grey mg fp; good relict feldspars and 3-5% biotite- few fine fractures healded in calcite -trace to 1% fg diss Py	10704 10705	25.3 26.3	26.3 27.6	1.0 1.4	tr tr	<.20 0.34
27.6	29.2	ALTD GREY FP -fg dk grey fp weakly altd(may be altd grey fp) -10% fainat relict feldspars with pred. fine grained matrix; weak redish altn and assoc qtz dolomite veining 27.8-28.6 1% Py with this sect. -drill hole water secked another udh at 29.14m	10706	27.60	29.2	1.6	tr	3.26
	29.20	END OF HOLE -core lost 0.5m from 0-2.2 0.1m from 8.5-11.2 0.2m from 11.2-14.5 0.1m from 20-23.10						

Core Size LTK-46
Split Core sampled

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	080.0	31/10/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	1/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
Location	1981.948 N	29.50	N Morissette Can.		
Grid No.	2903.564 E	Collar Elev.	Logged By:		
		3947.37	C.P. Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:--								
0.0	0.9	GREY SLIGHTLY ALTD FP	10665	0.0	1.0	1.0	tr	0.20
0.9	17.65	RED ALTD FP						
		-red, fg to mostly mg, non-magnetic; sheared throughout; good red cb altn throughout fractures infilled with qtz cb and chlorite; qtz and qtz-cb veins oriented at 30-45'; 1 calcite vein running slightly sub parallel to core axis; small beige altd with slightly greater %PY listed below 2.35, 2.6m; cherty band 15.3-16.10m; patchy, locally up 2-3% fg diss Py overall .5-1% Py	10666	1.0	2.5	1.5	.5-1	1.10
			10667	2.5	4.0	1.5	tr-.5	1.30
			10668	4.0	5.5	1.5	tr-.5	0.20
			10669	5.5	7.0	1.5	.5-1	0.75
			10670	7.0	8.5	1.5	.5-1	5.93
			10671	8.5	10.0	1.5	.5-1	1.98
			10672	10.0	11.5	1.5	.5-1	1.68
			10673	11.5	13.00	1.5	1-2	6.51
			10674	13.00	14.50	1.5	.5-1	1.16
			10675	14.50	16.00	1.5	.5-1	1.98
			10676	16.00	17.50	1.5	.5-1	<.20
17.65	29.5	SHEARED U.M. VOLC (T.C.C.S)						
		-black, fg soft magnetic; highly sheared, numerous thin calcite veins with patches of chert in the upper ~3.0m; tr fg patchy Py -submassive Py in cherty band at 20.7m	10677	17.50	19.0	1.5	tr-.5	<.20
			10678	19.0	20.5	1.5	tr-.5	0.2
			10679	20.5	22.0	1.5	1-2	0.48
			10680	22.0	23.0	1.0	tr-.5	<.20
	29.5	END OF HOLE						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	225.46	13/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	14/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	2002.757 N	15.30	N Morissette Can.		
Grid No.	2887.833 E	Collar Elev.	Logged By:		
2-446ACCESS DRIFT		3910.58	C.P. Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	0.7	GREY FP						
0.7	2.43	MAFIC --ULTRAMAFIC VOLCANICS -grey green, fg, soft, magnetic; fractured, short FP incl 1.33-1.85;						
2.43	3.60	RED ALTD FP -red, mg, slightly mag; highly sheared; good red cb. altn numerous qc veins; tr-1% Py	10796	2.40	3.60	1.2	.5-1	0.34
3.60	4.42	ALATD MAFIC VOLC -med grey,fg, magnetic; sh'd and bx'd; good grey altn with numerous thin lt grey qc veins; 10-15% fg diss Py	10797	3.60	4.42	0.82	10-15	6.72
4.42	8.65	DACITE DYKE						
8.65	13.10	GREY BIO. F.P.						
13.10	15.30	HBLD FSP DYKE (LAMP)						
	15.30	END OF HOLE Core LKT-46						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	222.14	11/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	12/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	2002.255 N	14.86	N Morissette Can.		
Grid No.	2892.696 E	Collar Elev.	Logged By:		
2-446ACCESS DRIFT		3910.622	C.P.Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:--								
0.0	0.7	GREY RED SLIGHTLY ALTD FP -highly broken and blocky with tr-.5% diss Py						
0.7	4.7	ALTD MAFIC VOLC -lt to med grey, fg, magnetic; sheared; very minor lt grey cb altn here and there, good altn 4.55-4.70; numerous calcite veinlets; moderate pervasive calcite throughout; tr-.5% fg diss and wispy Py, from 4.55-4.70 ~5-10% diss Py; band of alteration 4.55-4.70	10757	0.0	1.0	1.0	tr	4.39
			10758	1.0	2.5	1.5	tr-.5	0.31
			10759	2.5	4.0	1.5	tr-.5	0.38
			10760	4.0	4.55	0.55	.5-1	<.20
			10761	4.55	4.70	0.15	5-10	15.15
4.70	11.38	RED ALTD FP -red to beige in places, mg, slightly magnetic; highly sh'd; good red to beige altn throughout, possible re porphyry 4.70-6.40; numerous thin qc veinlets; chl'c and hemt'c infillings; patches with 3-5% fg diss Py, generally .5-1% Py overall	10762	4.70	6.2	1.50	3-5	0.34
			10763	6.2	7.5	1.3	.5-1	<.20
			10764	7.5	9.0	1.5	tr-.5	<.20
			10765	9.0	10.5	1.5	tr-.5	0.72
			10766	10.50	11.38	0.88	tr-.5	0.45
11.38	12.03	CHERTY EXHALTIE dk grey, fg, hard, siliceous; band 90' and sheared up; relatively unaltd, numerous qc veinlets infilling fractures; 2-3% patchy, wispy and diss fg Py	10767	11.38	12.03	0.65	2-3	0.96

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Fy	g/t Au
12.03	14.86	GREY BIO FP -altd structure from 14.3-14.8, red altd FP with .5-1% fg diss Fy	10768	14.3	14.8	0.50	.5-1	0.37

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	237.07	10/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	12/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1995.484 N	25.20	N Morissette Can.		
Grid No.	2901.371 E	Collar Elev.	Logged By:		
2-446ACCESS DRIFT		3910.648	C.P. Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							

OBJECTIVES:-

0.0	2.84	ALTD MAFIC VOLC. -lt to med grey, fg, magnetic; sheared throughout blocky core over ~1.0m; series of lt grey to purple grey cb bands with stuby veinlets of qc and porphyry patches throughout; calcitic usually between bands; stronger 5-10% fg diss Py within bands otherwise 2-3% fg diss Py; bands of altn and min'n from 0.5-0.8, 1.0-1.1, 2.1-2.15, 2.3-2.5, 2.56-2.6, 2.67-2.84	10717 10718 10719 10720	0.0 0.4 1.1 2.1	0.4 1.1 2.1 2.84	0.4 0.7 1.0 0.74	1-2 5-7 .5-1 5-7	9.46 0.41 1.20 13.37
2.84	9.80	ORE PORPHYRY WITH GREY SLIGHTLY ALTD FP ore porphyry: grey to beige red, mg, with fsp that may have regrown grey FP: grey to red, mg with subhedral fsp, with tr bio; both very slightly mag. highly sheared with veining at 20-30'; ore porphyry: beige to grey red cb altn in bands; 1-2% spec hmt; moderate sericitization; minor 0.5cm qv at 20-30', qtz flooding in band grey FP: relatively unaltered 5.5-6.4; ore porphyry: within bands 3-5% fg diss Py overall 1-2% Py; grey porphyry: tr-1% fg diss Py; ore porphyry: 5.5-6.4, 6.8-6.9, 7.7-9.0 mafic incl. 3.56-3.70 bands 5.6, 5.65-6.40, 6.8-6.9, 7.7-8.3	10721 10722 10723 10724 10725 10726	2.84 4.00 5.5 6.4 6.8 8.3	4.00 5.50 6.40 6.8 8.3 9.0	1.16 1.5 0.9 0.4 1.5 0.7	tr-.5 .5-1 3-5 tr 2-3 .5-1	1.34 0.45 1.20 0.24 1.30 <.20

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
9.8	12.0	RED ALTD FP -black red, mg with fsp gradational from mg to fg very slightly magnetic; highly sheared; good red cb altn, minor sericite thin 2-3mm qc veinlets usually 20-30' and paper thin qc veinles minor hematite; tr-.5% Py	10727 10728	9.0 10.5	10.5 12.0	1.5 1.5	tr tr	<.20 <.20
12.0	13.6	CHERTY PYRITIC EXHALITE -med grey, fg, magnetic; faint banding, ~90', fine bx in places; purple red patches here and th numerous thin qc veinlets throughout; 1-2% fg patchy and streaky Py	10729	12.0	13.6	1.6	1-2	3.39
13.6	19.26	GRADATIONAL RED ALTD FP TO GREY BIO FP -as above 9.0-12.00, becoming unaltered and bt'c between 15.50-16.00m, small 2-3cm aplite dykes here and there running along C.A.; qv section 17.75-18.20 with tr-.5% Py, veins 1cm to 2mm in size	10730 10731	13.6 17.75	15.00 18.20	1.4 0.45	tr-.5 tr-.5	4.32 <.20
19.26	21.37	LAMP DYKE						
21.37	22.53	GREY BIO FP						
22.53	23.93	RED ALTD FP -beige red altn, fg, possibly more sheared (less exhedral fp); sheared; beige red cb altn with thin lt grey qtz cb veinlets, minor sericite; 1-2% fg to vfg diss Py with patches here and there	10732	22.50	24.00	1.5	1-2	3.39
23.93	25.2	GREY BIO FP -small altd structure 24.28-24.35 (red altd with tr-.5% Py)	10733	24.25	24.35	0.10	tr-.5	2.09
	25.2	END OF HOLE						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	222.66	7/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.2	8/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1993.322 N	8.30	N Morissette Can.		
Grid No.	2906.392 E	Collar Elev.	Logged By:		
2-446ACCESS DRIFT		3910.795	C.P. Zorzi		

METRES		DESCRIPTION	Sample#	From To		Length	Est. % Py	ASSAYS Au g/t
From	To			From	To			
OBJECTIVES:-								
0.0	3.35	ALTD MAFIC VOLC. -lt to med grey, fg, magnetic; sheared throughout series of lt grey to purple grey cb altd bands with narrow 1-2mm of qc; calcitic usually between altd bands: 0.49-0.65, 0.73-0.85, 1.00-1.12, 1.54-2.90; up to 20% fg diss Py in altd bands, usually 10-15%; unaltered sections with 2-3% fg wispy Py	10707 10708 10709 10710	0.0 0.5 1.5 2.90	0.5 1.5 2.90 3.35	0.5 1.0 1.4 0.45	1-2 5-7 10-15 2-3	9.05 11.79 19.03 3.10
3.35	6.43	ORE PORPHYRY -beige red, mg, possible recrystallized fsp, very slightly magnetic; highly sheared; beige red cb altn in bands throughout bands at 90'; veins are paper thin to 3mm qc; within bands 3-5 fg diss Py oveall 1-2% Py bands from 4.17-4.72, 5.42-6.43 4.72-5.42 grey red slightly altd bt FP	10711 10712 10713 10714	3.35 4.17 4.72 5.42	4.17 4.72 5.42 6.43	0.82 0.55 0.70 1.01	tr-1 3-5 tr 3-5	7.44 8.18 0.58 4.59
6.43	8.04	GREY SLIGHTLY ALTD FP -grey red, mg, slightly magnetic; tr-1% fg bt; relatively unaltered with tr diss Py;	10715	6.43	8.04	1.61	tr	<.20
8.04	8.30	ORE PORPHYRY -as above 3.35-6.43; hole broke into old drift on 2nd level	10716	8.04	8.30	0.26	1-2	<.20
	8.30	END OF HOLE						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	70.05	13/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	14/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1986.314 N	29.5	N Morissette Can.		
Grid No.	2909.782 E	Collar Elev.	Logged By:		
2nd (91m) Level		3910.047	C.F. Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	n5500 Au g/t
From	To							
OBJECTIVES:-								
0.0	2.82	BEIGE RED ALTD FP -beige red, mg, hard, slightly magnetic; highly sheared; beige to red altn numerous paper thin to 2mm qc veins, main orientation; 1-2% fg to vfg diss Py	10785 10786	0.0 1.5	1.5 3.0	1.5 1.5	1-2 1-2	1.71 1.41
2.82	5.30	GREY BID FP -slightly red altd with tr-.5% Py	10787 10788	3.0 4.5	4.5 5.3	1.5 0.8	tr tr	0.45 1.17
5.30	13.75	DACITE DYKE -cts: upper 10-15'; lower 10-15'						
13.75	14.75	SERICITIC FP -grey to green mg, sericitic with chl infillings strongly calcitic .5-% fg diss Py	10789	13.75	14.75	1.0	.5-1	5.62
14.75	15.10	BEIGE-RED ALTD FP (ORE PORPH) -as above 0.0-2.82; shows stronger sericitization and higher Py content 3-5% fg diss Py	010790	14.75	15.10	0.35	3-5	15.70
15.10	19.85	ALTD MAFIC VOLCANICS -med grey, fg, magnetic; sheared throughout; grey cb altn here and there, highly silicified; numerous paper thin to 2mm, qc and calcite veins patchy, wispy and dis Py ~5-7% 19.30-19.85 red jasperite	10791 10792 10793 10794	15.10 16.50 18.00 19.50	16.50 18.00 19.50 20.00	1.40 1.50 1.50 0.5	3-5 3-5 2-3 1-2	3.43 0.27 0.89 2.30

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
19.85	23.00	TALC-CHLORITE CARBONATE SCHIST -soft, black, magnetic, fg; highly sheared, minor silicification with .5-1% Py	10995	20.00	21.5	1.5	.5-1	<.20
23.00	28.70	GABROIC LAMP DYKE -highly fractured-fault zone						
28.70	29.50	TALC-CHL-CB SCHIST -same as 19.85-23.00						
	29.50	END OF HOLE						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	248.32	12/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	13/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1983.995 N	20.2	N Morissette Can.		
Grid No.	2904.041 E	Collar Elev.	Logged By:		
2nd (91m) Level		3909.980	C.P. Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							

OBJECTIVES:--to test mineralization west of cross cut on 91m level

0.0	6.10	GREY SLIGHTLY ALTD FP	10769	0	1.5	1.5	tr	<.20
		-grey red, mg, slightly magnetic; sh'd throughout	10770	1.5	3.0	1.5	tr	<.20
		pink red cb altn with tin 1-4mm qtz and qc veins	10771	3.0	4.5	1.5	tr	<.20
		one qtz vein 2cm wide; tr fg diss Py; short sections of mafic inclusions that are not min'd and strongly calcitic; 0.75-0.95, 1.15-1.30; 1.45-1.80	10772	4.5	6.0	1.5	tr	0.38
6.10	8.9	GREY BIO FP						
8.9	14.00	PINK FP						
		-bleached pink, mg, magnetic; sh'd; bleached pk, few narrow qc veins; tr f.g. Py, specular hematite infillings throughout;						
14.00	17.06	DIORITIC GREY FP						
17.06	17.52	GREY FP						
		-Core Size LKT-47						

7/11/87

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	69.39	18/11/87	depth dip type	
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	19/11/87	54.8 +/- 1-2' acid	
Claim No.	Co-ordinates:	Length	Drilled By:		
	1973.085 N	54.83	N Morissette Can.		
Grid No.	2898.123 E	Collar Elev.	Logged By:		
2nd (91m) Level		3909.980	C.P. Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	8.57	GREY BIO FP						
8.57	13.1	GREY SLIGHTLY ALTD FP	10830	8.57	9.5	0.93	tr-.5	<.20
		-grey to pink, mg, magnetic, bio'c in places	10831	9.5	11.0	1.50	tr-.5	0.24
		sh'd throughout; minor to mod pk-red altn in	10832	11.0	12.5	1.50	tr-.5	<.20
		bands, qc veins throughout usually at 15-20'	10833	12.5	13.0	0.5	tr-.5	<.20
		-chlorite and specuallt hematite infilling						
		fractures; tr-.5% fg diss Py here and there						
		usually in min'd bands; altd and min'd bands						
		8.57-9.00, 11.3-11.7						
13.10	19.0	RED ALTD FP	10834	13.0	14.5	1.5	2-3	2.47
		-med to beige, mg, very slightly magnetic;	10835	14.5	16.0	1.5	2-3	3.87
		sheared; good red beige cb altn numerous,	10836	16.0	17.5	1.5	2-3	8.02
		narrow 1-2mm lt. grey qc veinlets; specular	10837	17.5	19.0	1.5	.5-1	3.09
		hematite and choritic usually infilling fracturs	10838	19.0	20.2	1.2	tr-.5	0.31
		wispy and diss fg Py 2-3%						
19.0	26.17	GREY BIO FP						
		-altd section 20.20-21.05 with only tr-.5% Py	10839	20.20	21.05	0.85	tr-.5	1.13
26.17	32.06	DACITE DYKE						
		-upper ct 10'; lower ct 10'						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
32.06	42.45	RED ALTD FP	10840	32.06	33.5	1.44	1.2	13.71
		-red to beige, mg, slightly magnetic; red beige	10841	33.5	35.0	1.5	tr-.5	10.29
		and lt grey cb altn, mod. sericite altn, chel	10842	35.0	36.5	1.5	tr-.5	1.65
		and hmt. infillings; tr-.5% overall, some short	10843	36.5	38.0	1.5	tr	0.65
		sections with 2-3% Py	10844	38.0	39.5	1.5	tr	1.30
			10845	39.5	41.00	1.5	tr-.5	1.82
			10846	41.00	42.45	1.45	1-2	7.41
42.45	43.10	ALTD MAFIC VOLC						
		-lt to med grey, fg, magnetic; sheared, lt grey	10847	42.45	43.1	0.55	3-5	<.20
		cb altn mod. amt of thin lt grey calcite veins;						
		3-5% fg diss Py						
43.10	44.48	LAMP DYKE						
44.48	45.65	SHEARED SPX UM. VOLC (T.C.C.S.)						
45.65	48.70	CG. MAFIC TO UM FLOW OR GABBROIC DYKE						
48.70	53.30	PILLOWED MAFIC VOLC						
		-med grey green, fg, mag, appears to be pillow						
		salvages present; numerous thin calcite veins						
		with minor garnet; tr patchy Py;						
53.30	54.83	SPINIFEXED AND POLYHEDRAL JOINTED UM FLOW						
	54.83	END OF HOLE						
		-aq core drilled and sampled whole						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	225	17/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	17/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1970.0 N	29.5	N Morissette Can.		
Grid No.	2923.5 E	Collar Elev.	Logged By:		
R-514XCS(L-3)		3925	C.P. Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:--								
0.0	3.0	ALTD MAFIC VOLCANIC	10777	0.0	1.5	1.5	1-2	3.63
		-med grey, fg, magnetic; fractured blocky core;	10778	1.5	3.0	1.5	tr	0.24
		good bands of lt grey cb altn from 0.8-1.1;						
		essentially calcitic; numerous thin lt grey						
		calcite veins throughout; .5-1% Py overall						
		FP inclusion 0.3-0.8						
3.0	6.20	GREY BIO SLIGHTLY ALTD FP	10779	3.0	4.5	1.5	tr	<.20
		-grey to pink, magntic, bt'c; slight red cb altn	10780	4.5	6.0	1.5	tr	0.27
		few thin lt. grey qc veins; tr Py						
6.20	9.27	ALTD MAFIC VOLC	10781	6.0	7.5	1.5	5-10	19.99
		-as above; good bands of highly altd and min'd	10782	7.5	9.0	1.5	2-3	<.20
		volcs; 6.20-6.7, 9.05-9.27; overall min'n 2-3% Py	10783	9.0	9.27	0.27	15-20	24.58
			AVG	6.0	9.27	0.27		11.29
9.27	10.30	GREY SLIGHTLY ALTD FP						
		-as above	10784	9.27	10.3	1.03	tr-.5	0.62
10.30	17.10	GREY BIO FP						
17.10	20.23	MAFIC VOLC						
		-dk grey, fg, mag; mod fract; highly calcitic;						
		chl slips numerous calcitic veins; tr Py						
20.23	22.65	DIORITIC DYKE						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t
Au								
22.65	26.55	MAFIC DYKE (VOLC)						
26.55	28.15	BLEACHED BIO FP (SLIGHTLY DIORITIC)						
28.15	29.50	DACITE DYKE						
	29.50	END OF HOLE						
		Bazooka, whole core sampled, core size LKT-47						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip	Tests	Location sketch
Rundle Mine	Newton Twp	83.67	19/11/87	depth	dip type	
Project	Lot. & Conc.:	Dip	Date Completed			
3382		0.0	20/11/87	59.3	0 acid	
Claim No.	Co-ordinates:	Length	Drilled By:			
	1972.910 N	59.3	N Morissette Can.			
Grid No.	2899.324 E	Collar Elev.	Logged By:			
2nd (91m) Level		3910.793	R.E. Norman			

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	8.0	GREY HBLD FP	10889	0	1.5	1.5		<.20
		-fine to med greained hblnd and med to cg feldspar	10890	1.5	2.5	1.0		<.20
		-generally mod to strongly calcitic (pervasively	10891	2.5	3.5	1.0		<.20
		as veinlets and stringers) and pinkish altn in	10892	3.5	5.8	2.3		<.20
		minor short sections with 5-10% qtz-calcite	10893	5.8	6.8	1.0		<.20
		stringers and veinlets pred 35-45'; sparse to rare	10894	6.8	8.0	1.2		<.20
		diss Py						
8.0	20.1	RED AND PINK ALTD FP (ORE ZONE)						
		-weak to mod mag. locally t.o.;						
		8.0-9.2: pink grey; minor qtz veining, .5% diss Py	10895	8.0	9.2	1.2	.5	0.45
		9.2-9.5: red altd, fg 10% white-grey qtz veining	10896	9.2	9.8	0.6		<.20
		45'; 1-2% diss blobs and stringer Py						
		9.4-10.3: pink grey porphyry; 2-3% fine diss Py						
		9.9-10.1						
		10.3-10.5: cb, beige altn sheared zone; highly	10897	9.8	10.5	0.7		1.65
		fractured; 3-5% diss Py						
		10.5-12.8: pink-grey, fine to med. grained porp.	10898	10.5	12.0	1.5		3.43
		mod to strongly fractured and infilled with qtz-	10899	12.0	12.8	0.8		0.55
		carb veins, veinlets and stringers(5-10%) 40-70'						
		a few specks of beige leucotone(?) at 11.0;						
		generally weak diss Py but up to 1% locally; grey						
		hematite veins and blebs common						
		12.8-13.9: red-grey altd FP; minor veining, .5%	10900	12.8	13.9	1.1		1.95
		fine diss Py; contacts gradational and at 90'						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
8.0	20.1	13.9-14.9: Pink FP; 40% white med to coarse feld.	13401	13.9	14.9	1.0		12.72
(CONTINUED)		1% diss Py; weakly fractured and in-filled with feldspatic qtz veins and stringers						
		14.9-15.2: Red altd FP; as 12.5-13.9	13402	14.9	15.2	0.3		3.81
		15.2-16.3: Pink to pink-grey FP .5% diss Py; minor veining	13403	15.2	16.3	1.1		2.40
		16.3-16.9: Ore Porphyry; pinkish beige-grey altn 2-3% qtz-carb veins and stringers(45-60') 2-3% diss and bleb of Py; in-contact 90'; irregular oc	13404	16.3	16.9	0.6		3.15
		16.9-20.1: Pink altd fp mg; generally 1% diss Py minor thin shears(up to 2cm) of beige altn with	13405	16.9	18.4	1.5		6.86
		diss Py occur locally 45'-85'; rock appears highly fractured and sheared with sericitic and graphitic shears from 19.5-20.1; fractures and shears are infilled with qtz-carb veinlets and stringers at 85'; Out contact 40-45' and grad'l	13406	18.4	19.5	1.1		5.90
			13407	19.5	20.1	0.6		4.56
20.1	28.1	GREY PINK HBLD PORPHYRY	13408	20.1	22.2	2.1		0.24
		-med. greaind; pink altn starts at 22.2-grad cont.						
		22.2-24.2: pink to pink grey; 1% diss Py gen.; minor shearing with beige-green altn local and up	13409	22.2	23.7	1.5		2.02
		to 2% diss Py; abundant veinlets or qtz-carb loc. at 80-90'; these veinlets are cut by a younger	13410	23.7	24.2	0.5		3.67
		set or qtz-carb veins at 35'; chloritic along fractures locally;	13411	24.2	25.9	1.7		0.27
			13412	25.9	28.1	2.1		0.41
			13426	28.10	29.24	1.15		<.20
			13427	29.24	30.70	1.47		<.20
			13428	30.70	32.22	1.52		<.20
			13429	32.22	33.70	1.50		<.20
			13430	33.70	35.23	1.53		<.20
			13431	35.23	36.40	1.50		<.20
28.1	36.4	DALCITE DYKE						
		-grey to pinkish grey; fine to mg; gen.massive						
			13413	36.40	37.50	1.1		0.24
36.4	45.2	ALTD MAFIC VOLCANICS	13414	37.50	39.15	1.65		<.20
		-grey green, fg, chloritic, minor qtz veinlets;	13415	39.15	40.60	1.45		0.38
		39.1-39.9: grey feldspar porphyry; 1% diss, stringers and blebs of Py throughout; rare blebs	13416	40.60	42.08	1.48		1.30
		of cpy at 44.7	13417	42.08	43.54	1.46		<.20
			13418	43.54	45.20	1.75		0.62

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
45.2	52.6	PINK ALTD FP	13419	45.2	45.50	0.3	5	20.16
		-fg to mg, 5-10% qtz-carb veinlets and stringers	13420	45.5	46.40	0.9	tr-.5	4.93
		generally at 70°; generally tr Py; but in-contact	13421	46.5	47.30	0.8	tr	2.30
		for the first 8cm is 15-20% diss Py in layers	13422	47.3	48.71	1.41	tr	<.20
		and blebs; 2-3% diss Py in altd zone to 45.5	13423	48.71	50.16	1.45	tr	2.74
			13424	50.16	51.55	1.39	tr	<.20
			13425	51.56	52.60	1.04	tr	0.48
			13432	52.6	53.6	1.0		<.20
			13433	53.6	54.6	1.0		<.20
			13434	54.6	55.6	1.0		<.20
			13435	55.6	57.1	1.5		<.20
			13436	57.1	59.03	1.93		<.20
52.6	59.3	ULTRAMAFIC VOLCANICS						
		-dk black-green; fine grained; excellent spinifex						
		texture t.o.-parallel to sub-parallel; talcose;						
	59.3	END OF HOLE						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip	Tests	Location sketch
Rundle Mine	Newton Twp	87.034	20/11/87	depth dip	type	
Project	Lot. & Conc.:	Dip	Date Completed			
3382		0.0	22/11/87	49.65 0	acid	
Claim No.	Co-ordinates:	Length	Drilled By:			
	1969.631 N	49.65	N Morissette Can.			
Grid No.	2908.243 E	Collar Elev.	Logged By:			
2nd Level Drift		3910	R.E.Norman			

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
		OBJECTIVES:-						
0.0	6.83	GREY FP -mg, weak pinkish altn to 1.34; 3% mm qtz-carb veinlets 25-90'; mod to strongly magnetic; strong pervasive calcite altn; blocky core 0-0.51 (40% lost); graadational out-contact	13520 13521 13522 13523 13524 13525 13526 13527	0 1.56 2.28 3.04 3.73 4.53 5.20 5.93	1.56 2.28 3.04 3.73 4.53 5.20 5.93	1.56 0.72 0.76 0.69 0.80 0.67 0.73 0.90	tr-.5 tr-.5 tr-.5 tr-.5 tr-.5 tr-.5 tr-.5 tr-.5	<.20 <.20 <.20 <.20 <.20 <.20 <.20 <.20
6.83	8.67	PINK ALTD FP - pink-grey(weak to mod altn);mg, irregular out contact at 20'; weak to mod calcite locally - mod. veining of qtz-carb one type anasomosing to 50' hairline veins; 2nd type milky white at 45'; tr to .5% Py locally; weak to mod mag.	13528 13529 13530	6.83 7.40 8.06	7.40 8.06 8.67	0.57 0.66 0.61	tr tr tr	<.20 <.20 <.20
8.67	13.16	MINERALIZED ZONE 8.67-9.96: ALTD MAFIC VOLCS; grey and beige carb altn; altd; sections appear at 45';gen. silicious 3-5% qtz-carb veinlets and 1-2mm veins, stringer and blebs; veins at 45-90'; strongly magnetic; non-calcitic; 10% Py as diss, blebs, stringers and veinlets; locally, Py occurs as mm veinlets at 60' and along fractures 90' to these veinlets contracts irregular; in-contact at 20' out at 90'	13531 13532	8.67 9.41	9.41 9.96	0.74 0.55	10 10	21.43 55.75

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		9.96-10.77: PINK ALTD FP-minor qtz veining and carb altn; veining at 45'; general tr to .5% diss Py; 1cm beige grey band at 10.34 with 3% Py; at 60-70'; 3% Py over 7mm of out-contact -weak to mod'ly magnetic	13533	9.96	10.77	0.81	1	6.38
		10.77-11.64: HYBRID MAFIC VOLCS-pink and green and beige grey mottled texture; highly fractured and in-filled with anastomosing qtz-carb veins and veinlets; grey and beige carb altn; generally 5% diss veinlets and stringer Py; up to 10% locally; out-contact 45'; strongly magnetic	13534 13535	10.77 11.20	11.20 11.64	0.43 0.44	3 5	6.51 27.16
		11.64-12.14: PINK ALTD FP-weak to mod altn; .5-1% diss Py; minor grey qtz veining; contacts at 20'	13536	11.64	12.14	0.50		7.68
		12.14-12.67: ALTD MAFIC VOLCANICS-as 8.67-9.96 grey to beige carb altn; minor FP patches; 5% qtz-carb veining; 5-10% diss and stringer Py -irregular out-contact	13537	12.14	12.67	0.53		19.39
		12.67-13.16: PINK-RED ALTD FP-fg to mg; - .5% diss Py; minor veining	13538	12.67	13.16	0.59	.5	1.99
13.16	22.69	GREY TO PINK-GREY FP -med to coarse grained; generally grey with pinkish tinge locally; pink altd sections 19.32-19.84 and 21.41-22.69; grey altd mottled texture 16.35-17.53; tr Py; minor veining; -generally minor qtz-carb veins and veinlets at 50-60'; generally tr to weak Py; .5-1% diss Py in pink altd section 19.32-19.84; weak to strongly magnetic locally; fractured and infilled with qtz and beige carb altn 21.41-21.96 with minor Py (<.5%)	13539 13540 13541 13542 13543 13544 13545 13546 13547 13548 13549 13550 13551	13.16 13.94 14.85 15.60 16.35 17.20 17.51 18.26 19.32 19.84 20.52 21.40 21.96	13.94 14.85 15.60 16.35 17.20 17.51 18.26 19.32 19.84 20.52 21.40 21.96	0.78 0.91 0.75 0.75 0.85 0.31 0.75 1.06 0.52 0.68 0.88 0.56 0.73	tr tr tr tr tr tr tr tr 1 tr tr tr tr tr	<.20 0.27 <.20 0.48 0.51 0.21 0.75 0.27 0.82 0.34 0.82 5.14 0.48

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % P ₂	ASSAYS g/t Au
From	To							
22.69	23.41	MAFIC VOLDS -fine to med. grained; grey; strongly magnetic; 1% diss Py; 3% white to grey qtz veinlets; in-contact at 15'; mod'ly calcitic; out-contact irregular	13552	22.69	23.45	0.72	1	<.20
23.41	25.52	GREY FP -med graind; pinkish tinge locally; calcitic altn minor qtz-carb veining; no significat min'n or altn; contact at 15'	13553 13554	23.45 24.12	24.12 25.52	0.57 1.40		0.69 1.03
25.52	34.70	DACITE DYKE -fine to med grained; pinkish grey; massive; contact at 15-20'; no sig'n min'n or altn; minor qtz-carb veining	13555 13556 13557 13558 13559 13560	25.52 26.55 28.05 29.54 31.00 32.49	26.55 28.05 29.54 31.00 32.49 33.83	1.03 1.50 1.49 1.46 1.49 1.34		<.20 <.20 <.20 <.20 <.20 <.20
34.70	35.40	GREY FP -mg; well fractured; minor qtz-carb veining; fractures mostly filled with chlorite; pink tinge; no sig'n min'zn or altn	13561 13562	33.83	34.70	0.87		<.20
35.40	39.78	DACITE DYKE -as 25.52-34.70; contacts at 10-15'	13563 13564 13565	35.40 36.77 38.10	36.77 38.10 39.78	1.37 1.33 1.68	- - -	<.20 <.20 <.20
39.78	49.65	PINK-RED ALTD FP -fg to mg; pink-red; pink-grey locally; non- calcitic and non-magnetic; 10-15% qtz-carb veins, at 45' to 90'; commonly filling fractures and as gash veins; veins average 2mm in thickness; generally sparse Py; 43.38-44.35; mod. beige-grey altn with 1% fine diss PY locally NOTE: 35.78-40.35: contact hybrid area-minor Py -minor beige carb-sericite altn in fractures at 46.06-46.29 with .5-1% Py-shear zones- 60% to L.C.A.; generally sparse Py min'n	13566 13567 13568 13569 13570 13571 13572 13573 13574 13575 13576 13577	39.78 40.35 41.12 41.87 42.66 43.38 44.13 44.84 45.59 46.06 46.29 47.03	40.35 41.14 41.87 42.66 43.38 44.13 44.84 45.59 46.06 46.29 47.03 47.78	0.57 0.77 0.75 0.79 0.72 0.75 0.71 0.75 0.47 0.23 0.74 0.75	1 tr tr tr tr 1 tr tr tr .5-1 tr tr	<.20 <.20 <.20 <.20 <.20 1.75 0.41 0.31 3.77 0.79 0.58 <.20 <.20
	49.65	END OF HOLE	13578 13579	47.78 48.53	48.53 49.65	0.75 1.12	tr tr	<.20 0.34

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	45.0	30/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	30/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1975.7 N	14.2	N Morissette Can.		
Grid No.	2904.0 E	Collar Elev.	Logged By:		
Ramp Leg 2		3945.6	R.E. Norman		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	4.70	ALTD MAFIC VOLCANICS	12856	0.0	1.18	1.18		0.72
		-ore altn; fg; green, chloritic to 1.18 with	12857	1.18	1.90	0.72		3.22
		weaker carb altn; strong carb altn locally	12858	1.90	2.45	0.55		28.66
		imparting a pinkish beige-grey and grey blotchy	12859	2.45	3.35	0.90		2.74
		texture along brecciate shears and fractures 2-5%	12860	3.35	4.30	0.95		19.37
		Py locally as diss and stringers (massive locally)	12861	4.30	4.70	0.40		3.50
		in the fracture; the more sig'n min'n starts at	AVG	1.18	4.70	3.52		11.46
		1.18-4.70 and is interrupted by minor thin bands						
		of chloritic rock; calcitic only in unaltd						
		chloritic positions; strongly magnetic t.o.						
4.70	14.2	RED ALTD FP	12862	4.70	6.30	1.60		0.99
		-med. grained; red to red grey to 8.4; weak pale	12863	6.30	7.70	1.40		0.27
		pink cors altn in several thin bands (4-12cm in	12864	7.70	9.58	1.88		0.54
		thickness) from 10.26-10.81 with 1% fine diss Py	12865	9.58	10.26	0.68		1.64
		and beige-tan altn; similar altn and min'zn at	12866	10.26	11.07	0.81		8.54
		13.28-13.38 altn appears at 45'	12867	11.07	12.50	1.43		0.92
			12868	12.50	13.20	0.70		6.54
			12869	13.20	14.20	1.00		1.47
			AVG	10.26	13.20	2.94		4.36
14.2		END OF HOLE						

Property	TF. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	225.0	2/12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	2/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1981.3 N	11.27	N Morissette Can.		
Grid No.	2881.2 E	Collar Elev.	Logged By:		
Ramp Leg 2		3951.0	R.E.Norman		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	11.27	-fg; green to grey-green; generally, no sig'n	13893	0	1.07	1.07		<.20
		min'zn, veining or altn; minor diss Py locally	13894	1.07	1.57	0.50		<.20
		up to 1%; 5% stringer and diss Py at 0.67-0.82;	13895	1.57	2.62	1.05		<.20
		-strongly calcitic to 8.46; from 8.46-11.27- non-	13896	2.62	3.96	1.34		<.20
		calcitic, but occ'n olive green epidote veining;	13897	3.96	4.51	0.55		0.27
		-strongerly magnetic, t.o.; purplish FP at	13898	4.51	5.64	0.93		0.30
		0.30-0.40; 1.07 to 1.27; 4.11-4.51;	13899	5.64	7.08	1.44		1.68
		2.62-3.96; LAMPROPHYRE DYKE -fine grained;	13900	7.08	8.46	1.38		1.64
		purplish grey; strongly calcitic; weakly magnetic	13901	8.46	9.90	1.44		<.20
			13902	9.90	11.27	1.37		0.34

11.27 E. O. H.

Property	TP. or Area	Azimuth	Date Started	Corrected Dip	Tests	Location sketch
Rundle Mine	Newton Twp	045.0	28/11/87			
Project	Lot. & Conc.:	Dip	Date Completed			
3382		0.0	28/11/87			
Claim No.	Co-ordinates:	Length	Drilled By:			
	1974.1 N	14.2	N Morissette Can.			
Grid No.	2909.6 E	Collar Elev.	Logged By:			
Ramp Leg 2		3944.3	A. Soever			

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	7.20	ALTD MAFIC VOLCANICS	12785	0.0	0.4	0.4	3-4	18.27
		-dk to red grey fg altd mafic volcanics; mod mag	12786	0.4	0.9	0.5	tr-1	0.51
		-predominatly calcitic; 1-2% hairline fractures	12787	0.9	1.9	1.0	tr-1	<.20
		healed with calcite; massive; mostly calcitic	12788	1.9	2.9	1.0	tr-1	<.20
		0.0-0.4m -good pale beige altn assoc. with	12789	2.9	3.9	1.0	tr-1	<.20
		fractures 6.88-7.20; patchy pale beige altn	12790	3.9	4.9	1.0	tr-1	<.20
		3-4% Py assoc with pale brown altn 0.0-0.4;	12791	4.9	5.9	1.0	tr-1	<.20
		2% Py associated with patchy pale beige altn	12792	5.9	6.9	1.0	tr-1	1.23
		6.88-7.20; tr-1% Py with rest of berit; ct	12793	6.9	7.2	0.3	2	2.70
		with next unit at ~30'	AVG	6.9	7.4	0.5	2.78	
7.2	14.2	RED ALTD FP	12794	7.2	7.4	0.2	tr	2.91
		-red altd mg FP, brick red -non-calcitic;	12795	7.4	8.4	1.0	tr	0.51
		locally weakly mag; faint relict feldspars and	12796	8.4	9.4	1.0	tr	<.20
		zone development of secondary feldspar -beige	12797	9.4	10.4	1.0	tr	<.20
		ore altn 7.2-7.36; band at 7.34-7.36 at 65'	12798	10.4	11.4	1.0	tr	0.78
		-weak fabric at ~55'; 1-2% mm to cm scale	12799	11.4	12.4	1.0	tr	0.24
		fractures healed with white qtz dolomite; only	12800	12.4	13.4	1.0	tr	1.34
		local faint tr vfg diss Py; 12p dykes 10.59-10.88	12801	13.4	14.2	0.8	tr	3.77
11.49-11.70, 11.75-12.02 cts at 60'	AVG	12.4	14.2	1.8		2.42		
14.2		END OF HOLE						
		Core Size LTK-46						

Property	TF. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	225.0	26/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	26/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1976.4 N	14.92	N Morissette Can.		
Grid No.	2890.7 E	Collar Elev.	Logged By:		
Ramp Leg 2		3984.4	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	0.7	RED ALTD FP -red mg to cg FP; dolomite good development secondary feldspars; fractured hairline fractures to hematite throughout; pale beige altn along hairline fractures 0.0-3.4; only faint tr Py -ct with next unit at irregular at ~45'	12749	0.0	0.7	0.7	tr	0.54
0.7	1.7	ALTD MAFIC VOLCANICS -dk grey altd mafic volcanics; non-calcitic magnetic; many fractures healed in dolomite qtz; pervasive beige altn; 1-2% fg diss Py assoc with beige altn 0.7-1.2 10% Py from 1.2-1.7 .	12750 12751	0.7 1.2	1.2 1.7	0.5 0.5	1-2 10	1.54 9.12
1.7	4.6	RED ALTD FP - red altd FP; intensely altd non-calcitic -no relict feldspars; fractured 2-3% fine dol. qtz veins often at 40'; fractures healed in qtz- hematite-Py 3.24-3.37; weak beige altn throughout -intense from 3.50-3.84; generally tr Py; 1-2% vfg diss Py 3.13-5.6 with core altd section -ct with next unit along qc vein at 45'	12752 12753 12754 12755	1.7 2.4 3.1 3.9	2.4 3.1 3.9 4.6	0.7 0.7 0.8 0.7	tr tr 1-2 1-2	0.62 1.10 0.34 <.20

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
4.6	5.66	ALTD BRECCIATED MAFIC VOLCANIC -med grey mg to fg mafic volc.; non-calcitic magnetic; 2-3% fractures healed with white dol-qtz; pervasive pale beige to off white dol.- qtz flooding; breccia with frags. volcs carb matrix 4.6-4.74; pervasive pale beige altn speckled throughout; 1-2% vfg diss Py; unit end at narrow dyke of red FP 5.57-5.66	12756 12757	4.6 5.2	5.2 5.66	0.60 0.46	1-2 1-2	<.20 <.20
5.66	11.75	MAFIC VOLCANIC -dk grey fg mafic volc, calcitic, magnetic; fine hariline fractures healed with calcite; 10.4-10.55 -1cm qtz epidote vein at 20' 11.3-11.5 broken blocky core 0.1m missing 1% fg diss Py assoc with calc in fractures	12758 12759 12760 12761 12762 12763 12764	5.66 6.00 6.75 7.75 8.75 9.75 10.75	6.00 6.75 7.75 8.75 9.75 10.75 11.75	0.34 0.75 1.0 1.0 1.00 1.0 1.0	1 1 1 1 1 1 1	<.20 <.20 <.20 <.20 <.20 <.20 <.20
11.75	13.35	FRESH GREY FP -some development of secondary feldspar; -broken blocky core 12.18-12.7 lost 0.1m	12765 12766	11.75 12.55	12.55 13.35	0.8 0.8	tr tr	<.20 <.20
13.35	14.92	COARSE GRAINED MAFIC VOLC -mg to cg mafic volc or mafic dyke -extensive epidote 13.74-14.01; ground 0.1 core 13.36-13.46	12767 12768	13.35 14.15	14.15 14.92	0.80 0.77	tr tr	<.20 <.20
	14.92	END OF HOLE Core Size EXT whole core sampled						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	45.0	1/12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	4/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1966.8 N	20.28	N Morissette Can.		
Grid No.	2930.3 E	Collar Elev.	Logged By:		
Ramp Leg 2		3939.1	R.E. Norman		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	1.29	MAFIC VOLCANICS	11726	0	0.73	0.73		<.20
		-fine to med grained; grey-green; strongly calcitic and magnetic; minor qtz-carb veining; .5-1% diss and blebs of Py; FP dykes 0-0.7 and 0.39-0.50;	11727	0.73	1.29	0.56		<.20
1.29	2.26	GREY FP	11728	1.29	2.26	0.97		<.20
		-med to coarse grained; slight reddish hue locally; no sig'n min'n or veining						
2.26	3.68	RED ALTD FP	11729	2.26	3.68	1.52		<.20
		-med to coarse grained; no sig'n veining; sparse Py generally;						
3.68	10.40	MAFIC VOLCANICS	11730	3.68	4.44	0.76		2.67
		-fine grained; grey-green to green; strongly calcitic and magnetic, chloritic locally; strongly fractured and healed with qtz-calcite	11731	4.44	5.20	0.76		<.20
		1-2% diss and blebs of Py generally; minor bands of diss Py in places; weak grey altn with fine diss Py locally to 5.2 with rare pink-beige carb altn	11732	5.20	5.90	0.70		<.20
			11733	5.90	6.65	0.75		2.16
			11734	6.65	7.35	0.70		<.20
			11735	7.35	8.10	0.75		<.20
			11736	8.10	8.83	0.73		<.20
			11737	8.83	9.47	0.64		<.20
			11738	9.47	10.40	0.93		0.30

METRES		DESCRIPTION	Sample#	DRILL HOLE No. 2-030			Est. % Py	ASSAYS g/t Au
From	To			From	To	Length		
10.40	11.38	HYBRID-MAFIC VOLC AND PORPHYRY	11739	10.40	11.11	0.71	0.34	
		-pinkish grey; fine grained; strongly sheared locally; brecciated with purplish grey mafic fragments; in a pink siliceous matrix; .5-1% Py as diss and in fractures; "ore porphyry" altn 11.11-11.38 with 2-3% diss Py	11740	11.11	11.38	0.27	0.44	
11.38	13.35	RED AND PINK ALTD PORPHYRY	11741	11.38	12.30	0.92	0.24	
		-med grained; reddish altn mostly; bx'd with cream-beige altn and minor Py 12.30-12.55; generally occ'n speck of Py; no sign veining	11742	12.30	12.55	0.25	0.65	
			11743	12.55	13.35	0.80	0.41	
			AVG	12.55	14.28	0.80	2.35	
13.35	14.28	ALTD MAFIC VOLCANICS						
		-grey to light grey; fine grained; fractured and -sheared with pinkish beige altn and 1-2% diss Py minor qtz-carb veining at 30'	11744	13.35	14.28	0.93	4.01	
14.28	14.40	PINK ALTD FP	11745	14.28	14.40	0.12	0.27	
		-fine to med. grained; pink altn; weak diss Py -white qtz-veining at contact						
14.40	16.54	ALTD MAFIC VOLC	11746	14.40	15.10	0.70	tr	
		-med grey, fg, magnetic; sh'd, minor lt grey altn	11747	15.10	15.90	0.80	tr	
		with numerous 1-2mm qc veinlets; tr Py;	11748	15.90	16.22	0.32	tr-.5	
		FP inclusions 15.90-16.22 tr-.5% Py	11749	16.22	16.41	0.19	tr	
		16.41-16.54 tr-.5% Py	11750	16.41	16.54	0.13	tr-.5	
16.54	17.40	CG MAFIC-UM DYKE	11751	16.54	17.00	0.46	tr	
			11752	17.00	17.75	0.75	tr	
17.40	20.28	POLYHEDRAL JOINTED AND SPINIFEXED U.M.	11753	17.75	18.50	0.75	tr	
			11754	18.50	19.25	0.75	tr	
			11755	19.25	20.28	1.03	tr	
	20.28	END OF HOLE LKT 47 core whole core sampled						

Property	TP: or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	225.0	27/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	27/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1975.0 N	10.00	N Morissette Can.		
Grid No.	2896.0 E	Collar Elev.	Logged By:		
Ramp Leg 2		3947.1	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	2.16	RED ALTD FP	13968	0.0	0.7	0.7	tr	<.20
		-red altd FP -mg to cg; non-calcitic; good dev't	13969	0.7	1.4	0.7	tr	<.20
		of secondary feldspars; 0.5-1.10 -pale grey	13970	1.4	2.2	0.8	tr	0.27
		section with cg secondary feldspars; few relict						
		feldspars 1.3-2.16; very silicious; faint tr of						
		vfg diss Py						
2.16	2.95	ALTD MAFIC VOLCANICS	13971	2.2	2.95	0.75	2	0.86
		-grey fg altd mafic volc.; non-calcitic; weakly						
		magnetic; pale beige altn along fracture at 30'						
		at 2.28, patches altn with 5% Py 2.50-2.62 lower						
		ct at 40'						
2.95	5.26	ALTD RED FP	13972	2.95	3.57	0.62	tr	<.20
		-red altd FP mg to cg; pale grey with good dev.	13973	3.57	3.76	0.19	3	6.58
		secondary feldspars 2.95-3.57 -altd mafic incl.	13974	3.76	3.98	0.22	3	1.40
		3.57-3.76 with 3% Py; fine fractures healed with	13975	3.98	4.58	0.60	tr	0.51
		pale grey Qtz Py 3.76-3.98 -est 3% Py; tr Py	13976	4.58	5.26	0.68	tr	<.20
		3.98-5.26						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
5.26	10.00	ALTD MAFIC VOLCANICS	13977	5.26	6.28	1.02		0.62
		-pale to med grey fg mafic volcanics; mod. mag.	13978	6.28	7.07	0.79		5.68
		- non-calcitic 5.26-7.07 below quite calcitic	13979	7.07	8.00	0.93		0.65
		- dykes -red altd FP 6.28-6.50, 6.88-7.07	13980	8.00	9.00	1.00		<.20
		- 5-10% Py assoc with beige altn along fracture	13981	9.00	10.00	1.00		<.20
		at 45' at 5.87; 1-2% diss PY with red FP dykes						
		with mafic inclusions 6.28-6.50 and 6.88-7.07;						
		2-3% in mafic volc speckled with beige altn						
		6.50-6.88; 7.07-90.0 -1% Py assoc with fractures						
		healed with calcite in calcitic mafic volcs						
	10.00	END OF HOLE						
		Core Size EXT						
		Whole core sampled						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	45.0	30/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	03/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1961.8 N	13.81	N Morissette Can.		
Grid No.	2939.8 E	Collar Elev.	Logged By:		
Ramp Leg 2		3937.3	R.E.Norman		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	7.27	PINK ALT'D FP	12870	0	1.40	1.40		0.41
		-fg to mg, pink-grey; reddish alt'n from 6.0-7.27	12871	1.40	2.84	1.44		0.34
		occ'n biot. speck; non-calcitic; weak to mod mag	12872	2.84	4.27	1.43		0.82
		5-10% qtz-carb veining (from hairline to 1cm)	12873	4.27	4.57	0.30		<.20
		at 35-50'; weak beige carb alt'n and minor Py	12874	4.57	5.13	0.56		0.3
		at 1.3; Fractured and infilled with grey hem.	12875	5.13	6.25	1.12		<.20
		mat'y and 5% diss and blebs of PY at 4.1-4.2	12876	6.25	6.51	0.26		0.96
		-screens of mafic volcs with 2-3% diss and stgr.	12877	6.51	7.27	0.76		<.20
		Py at 4.57-4.85, 5.03 to 5.13, 6.25-6.51;						
		irregular contact at 45-65'						
7.27	12.12	MAFIC VOLCANICS	12878	7.27	8.27	1.00		<.20
		-green, chloritic volc and grey alt'd, sheard	12879	8.27	9.40	1.13		1.23
		sections; 8.27-11.23 -strongly sheared and	12880	9.40	10.23	0.83		0.44
		fractured and locally altnd and in-filled with	12881	10.23	10.66	0.43		1.78
		grey-blue qtz-carb and up to 5% Py; generally	12882	10.66	11.23	0.57		0.34
		1-2% Py t.o.; non-calcitic but strongly calcitic	12982	11.23	12.12	0.89		<.20
		elsewhere; strongly mafnetic t.o.						
12.12	12.84	HYBRID: MAFIC VOLCANICS AND PINK PORPHYRY	13983	12.12	12.84	0.72		0.89
		-fine grained; black; hard sil'd mafic and pink,						
		aphanitic bands; brecciated and in-filled with						
		grey qtz-carb mat'd; 3% diss Py in bands and						
		patches with hematite;						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
12.84	13.81	PINK ALTD PORPHYRY -salmon-pink; fine grained; bx'd and cut by white bamen qtz veining 12.86-12.98; tr Py	13984	12.84	13.81	0.97		<.20
14.5	16.35	RED ALTD QV FP - red, mg, magnetic; sheared; red altn with few 0.5-1cm qc veins; slightly sericitic; tr-.5% fg diss Py; specularite in some veins	11871 11872 11873	14.5 15.25 15.85	15.25 15.85 16.60	0.75 0.60 0.75	tr-.5 tr-.5 tr-.5	<.20 <.20 <.20
16.35	18.63	CHERTY EXHALITE -relatively unaltered, patches of red jasperite here and there; narrow argillite band 18.1-18.30 overall tr Py with local conc up to 5%	11874 11875 11876	16.60 17.25 18.00	17.25 18.00 18.63	0.65 0.75 0.63	tr tr-1 1-2	<.20 <.20 <.20
18.63	20.4	POLYHEDRAL JOINTED U.M. -unaltd with tr Py	11877 11878 11879	18.63 19.25 20.0	19.25 20.00 20.4	0.62 0.75 0.40	tr tr tr	<.20 <.20 <.20
	20.4	END OF HOLE -LKT 47 core -whole core sampled						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	225.0	27/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	27/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1972.6 N	250.00	N Morissette Can.		
Grid No.	2900.8 E	Collar Elev.	Logged By:		
Ramp Leg 2		3945.63	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	0.95	HBDE FP -dk grey hbde FP -highly calcitic-weakly magnetic 20% feldspar porphyroblasts; broken blocky core	12769	0.0	0.95	0.95		<.20
0.95	4.0	ALTD MAFIC VOLCANICS -dk grey mg altd mafic volcs; calcitic; magnetic; -speckled with calcite-epidote spots 0.95-2.6; fractured with hairline fractures healed with calcite below this with pervasive calcitic altn 2-3% fg diss Py with epidote-calcite 0.95-2.6; tr Py 2.6-4.0; fresh FP dyke at 55' at 2.14-2.21	12770 12771 12772 12773	0.95 1.8 2.6 3.3	1.8 2.6 3.3 4.0	0.85 0.80 0.70 0.70	2-3 2-3 2-3 2-3	<.20 <.20 <.20 <.20
4.0	5.8	PINK TO GREY ALTD FP -pink to grey fg altd FP; no relict or secondary FP; non-calcitic; locally very weakly magnetic; traces fg bio; only faint tr Py	12774 12775	4.0 4.9	4.9 5.8	0.9 0.9	tr tr	0.27 1.10
5.8	8.48	ALTD MAFIC VOLCANICS -pale to red grey altd fg to mg mafic volcs - non-calcitic -strongly magnetic; weak patchy pale beige altn throughout; 2% fg diss Py loc'y. patches up to 4% assoc with pale beige altn; better patches 6.09-6.20, 6.85-7.10	12776 12777 12778 AVG	5.8 6.7 7.6 4.9	6.7 7.6 8.48 8.48	0.9 0.9 0.88 3.58	2 2 2	0.96 2.67 1.17 1.48

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
8.48	9.87	ALTD PINK FP	12779	8.48	9.18	0.70	tr	<.20
		-pink mg to cg FP; fractured; fine fractures lined tr hematite; also few fractures healed with qtz-dol.; tr fg diss Py;	12780	9.18	9.87	0.69	tr	1.34
9.87	20.6	ALTD MAFIC VOLCANICS	12781	9.87	10.50	0.63	1-2	<.20
		-dk grey massive fg to mg mafic volcs;	12782	10.50	10.80	0.30	2-3	0.48
		predominantly calcitic; magnetic; highly fract'd	12783	10.80	11.60	0.80	1-2	<.20
		fractures healed with qtz-calcite+/-dolomite	12784	11.60	12.20	0.60	1-2	1.68
		9.87-10.5 -intense fracturing with pale beige	13985	12.20	13.20	1.00		<.20
		altn and veins white qtz- dol 10.50-10.80; below	13986	13.20	14.8	1.60		<.20
		is calcitic; small patch weakly dolomitic pale	13987	14.8	16.1	1.3		<.20
		brown altn 12.07-12.21; 1-2% Py assoc with calc.	13988	16.1	17.8	1.7		<.20
		altn 9.87-10.50; 2-3% with pale brown altn	13989	17.8	19.1	1.3		<.20
		10.50-10.80; 2% Py assoc with calc. altn	13990	19.1	20.6	1.5		<.20
		12.07-12.20; narrow hbde FP dykes 12.85-13.0,						
		13.7-13.9; blocky core 13.4-14.60; badly						
		broken core in places to 20.6;						
		no sig'n alt'n, min'zn or veining 12.2-20.6						
20.6	21.75	RED ALTD PORPHYRY	13991	20.6	21.75	1.15		<.20
		-fine to med. grained; no sig'n veining or min'n						
		-occ'n diss or bleb of pyrite						
21.75	25.0	GREY FELDSPAR PORPHYRY	13992	21.75	23.8	1.05		<.20
		-med grained; purplish grey; no sig'n min'zn,	13993	23.8	25.0	1.2		<.20
		veining of altn						
	25.0	END OF HOLE						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	45.0	2/12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	3/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1958.3 N	12.7	N Morissette Can.		
Grid No.	2949.9 E	Collar Elev.	Logged By:		
Ramp Leg 2		3936.18	R.E. Norman		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	3.40	MAFIC VOLCANICS	11705	0	0.77	0.77		<.20
		-fg, grey to grey-green; calcitic to 1.95	11706	0.77	1.22	0.45		1.13
		1.95-3.40 -volcanics become strongly sheared	11707	1.22	1.95	0.73		2.71
		and foliated and altered to pink-grey by FP	11708	1.95	2.63	0.68		0.51
		becoming almost a hybrid in places; also	11709	2.63	3.40	0.77		0.62
		non-calcitic; foliation at 30' generally very	AVG	0.77	1.95	1.18		2.11
		weak pyrite min'zn as diss'n in veinlets in						
		beige-grey altd shears; pink grey FP 0.10-0.40						
		and red-grey FP with some PY at 0.77-1.22						
3.40	6.62	FP	11710	3.40	4.18	0.78	tr	1.20
		-pink to red altd fp to 5.05 with abund barren	11711	4.18	5.05	0.97	tr	0.69
		white qtz-carb vein and veinlets up to 5mm thick						
		and at 30'; several brecciated shears zones also						
		in sect'n 3.40-4.28 up to 1.5cm in thickness with	11712	5.05	5.68	0.63	tr	<.20
		beige carb altn and at 30' (parallel in places)	11713	5.68	6.62	0.94	.5	<.20
		no Py min'zn occurs in these zones; generally						
		only occ'n speck of Py t.o.; pinkish to grey						
		FP 5.05-6.62 with minor diss Py in places						
6.62	9.19	MAFIC VOLCANIC	11714	6.62	7.06	0.44	3	0.39
		-fine grained; grey-green; weakly fractured and	11715	7.06	7.94	0.88	1-2	<.20
		infilled by grey qtz-calc veinlets; strongly	11716	7.94	8.52	0.58	1-2	<.20
		calcitic and magnetic; 1-3% diss, blebs and	11717	8.52	9.19	0.67	3	0.25
		veinlets of Py						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
9.19	12.53	FP	11718	9.19	10.0	0.81		<.20
		-pink to pink-grey altd to 11.50 and fine to	11719	10.0	10.6	0.60		<.20
		med. grained; brecciated and in-filled with	11720	10.6	11.5	0.90		<.20
		grey cherty, aphanitic material at 10.8						
		no sig'n veining and very sparse diss Py t.o.;						
		weakly fractured and in-filled with streaks of						
		dk. green chlorite; becomes increasingly reddish	11721	11.5	12.02	0.52		0.42
		10.6-11.5 and to a deep red altn 11.5-12.53; a	11722	12.02	12.53	0.51		<.20
		couple of bomen white qtz-carb veins 12.2-12.4						
		sparse diss Py; mafic volc 11.65-12.05 intently						
		brecciated and in-filled with beige-grey material;						
		1-2% diss Py						
12.53	12.70	MAFIC VOLCANICS	11723	12.53	12.70	0.17	.5	<.20
		-fine grained; grey-green; highly fractured and						
		infilled by qtz-carb veins and veinlets; some						
		beige -grey carb'n altn along fractures; minor Py						
	12.70	END OF HOLE						

Property	TP: or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	225.0	30/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	30/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1970.7 N	15.2	N Morissette Can.		
Grid No.	2906.3 E	Collar Elev.	Logged By:		
Ramp Leg 2		3944.3	R.E. Norman		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	2.60	ALTD MAFIC VOLCANICS	12838	0	0.70	0.70	5-10	32.36
		-intensely altd and carbonated to a purplish beige-	12839	0.70	1.45	0.75	5-10	7.04
		brown to 1.6 with 5-10% diss and blebs of Py.	12840	1.45	2.10	0.65	1-3	12.54
		5% qtz-carb veinlets and veins from hairline-1cm	12841	2.10	2.60	0.50	1-3	4.42
		non-clastic min'zn appears sub-parallel to 45'	AVG	0	2.60	2.60		14.72
		1.6-2.6: weak to mod altn with 1-3% Py; calcitic						
		-strongly magnetic t.o.						
2.60	4.10	MAFIC VOLCANICS	12842	2.60	3.50	0.90		0.48
		-fine to med. grained; green; chloritic and	12843	3.50	4.10	0.60		0.51
		strongly calcitic, and magnetic; 1% blebs of Py						
		minor thin qtz-calcite veinlets;						
4.10	5.00	LAMPROPHYRE DYKE	12844	4.10	5.0	0.90		<.20
		-fine to med. grained; purplish grey; strongly						
		calcitic						
5.00	6.5	MAFIC VOLCANICS	12845	5.00	6.50	1.5		<.20
		-as 2.60-1.83						
6.5	7.83	GREY FP						
		-med to cg; occ'n diss'd Py; minor veining;						
		gradation out-contact						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
7.83	10.00	PINK ALTD FP -ore porphyry with bands of red altn; generally weak diss'd Py up to 1% locally in pale greyish pink sections; largest continuous altd section from 9.06-10.00	12846 12847 12848 12849	6.50 7.83 8.69 9.06	7.83 8.69 9.06 10.00	1.33 0.86 0.37 0.94		<.20 0.51 0.99 1.95
10.00	11.63	MAFIC VOLCANICS -fine grained; green-grey; non-calcitic; weak to mod beige-pink altn locally; 10% qtz-carb veinlets and wisp; generally weak Py but up to 1% locally of blebs and stringers; strongly magnetic; beige-altd contact 11.48-11.63 with 2% Py stgs and wisps	12850 12851	10.00 11.10	11.10 11.63	1.10 0.53		<.20 0.78
11.63	12.46	PINK ALTD FP -pink-grey; reddish altd feldspar locally; med grained; non sig'n min'zn, altn or veining	12852	11.63	12.46	0.83		0.86
12.46	15.2	GREY FP -fresh; med. grained; hbld phenos t.o.; no sign min'zn, altn or veining	12853 12854 12855	12.46 13.06 14.28	13.06 14.28 15.20	0.60 1.22 0.92		<.20 <.20 <.20
	15.2	END OF HOLE						

Property	TP: or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	45.0	13/12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	13/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1970.7 N	15.23	N Morissette Can.		
Grid No.	2906.3 E	Collar Elev.	Logged By:		
Ramp Leg 2	Section:	3930.60	R.E. Norman		
	1070 SE				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	4.30	PINK-RED ALTD PORPHYRY	12434	0	1.00	1.00		<.20
		fg; reddish pink to 3.45; altd to pale pink	12435	1.00	1.90	0.90		<.20
		3.45-4.30; no sign min'zn occ'n speck of Py	12436	1.90	2.30	0.40		<.20
		-mod. qtz-carb veining; Sections of Mafic Volc:	12437	2.30	2.63	0.33		<.20
		1.90-2.30: grey; 1% diss Py weakly calcitic	12438	2.63	3.00	0.37		<.20
		2.63-3.00: as above	12439	3.00	3.45	0.45		<.20
			12440	3.45	4.30	0.85		1.41
		AVG		3.45	5.40	1.95		1.99
4.30	5.40	MAFIC VOLCANICS						
		-fine grained; dk grey-green; fractured t.o. and	12441	4.30	5.40	1.10		2.44
		infilled with grey qtz- calcite; 2-3% Py as diss,						
		veinlets and blebs in fractures;						
5.40	6.51	RED ALTD FP	12442	5.40	6.51	1.11		0.21
		-jasperite; fg; red; minor white qtz-carb veining;						
		occ'n fine speck of pyrite						
6.51	8.83	MAFIC VOLCANICS	12443	6.51	7.41	0.90		<.20
		-green to grey green; purplish tint in places	12444	7.41	8.31	0.90		0.24
		strongly calcitic and magnetic; chloritic locally;	12445	8.31	8.83	0.52		<.20
		abund hairline veinlets and small veins of qtz-						
		calcite t.o.; occ'n diss Py in veinlets and						
		fractures; generally weak Py min'zn						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
8.83	10.39	FP	12446	8.83	9.89	1.05		<.20
		-med. grained; grey to 9.89; reddish altn	12447	9.89	10.39	0.50		<.20
		9.89-10.39; occ'n minor diss and blebs of Py						
		-no veining or sing altn						
10.39	12.46	MAFIC VOLCANICS	12448	10.39	11.74	1.35		<.20
		-as 6.51-8.83; weak to mod diss Py and stgrs	12449	11.74	12.46	0.72		<.20
		locally;						
12.46	15.23	GREY FP	12450	12.46	13.86	1.40		<.20
		-med. grained; grey; fresh locally; sporadic	12451	13.86	15.23	1.37		<.20
		diss pyrite						
	15.23	E.O.H.						

Property	TP: or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	225.0	28/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	28/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1969.0 N	30.27	N Morissette Can.		
Grid No.	2911.5 E	Collar Elev.	Logged By:		
Ramp Leg 2		3943.9	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
		OBJECTIVES:-						
0.0	4.2	ALTD MAFIC VOLCANICS	12801	0.0	0.9	0.9	5-8	7.30
		-grey fg altd mafic volcs;	12802	0.9	1.8	0.9	1-2	1.34
		0.0-0.9 -highly fractured-network of hairline	12803	1.8	2.0	0.2	5	5.48
		fractures with beige carbonate alteration 5-8%	12804	2.0	2.7	0.7	<1	1.10
		fg diss Py assoc. with beige carbonate along	12805	2.7	3.6	0.9	4-5	11.18
		fractures-qtz vein along CA and at 30'; volcanics	12806	3.6	4.2	0.6	1-2	0.65
		are predominantly non-calcitic						
		0.0-1.8 -few hairline fractures -calcitic <1% Py	AVG	0.0	3.6	3.6		5.48
		2.73-2.79 minor beige ore altn along fractures						
		2-4% Py						
		2.79-3.56 -well min'zd pervasive beige altn 3%	AVG	0.0	5.3	5.3		4.48
		diss Py culminates with well defrid altd band						
		with sharp cts at 55'; form 3.49-3.56m -15% Py						
		in this band;						
		3.56-4.2 -partially assimilated volcs. 1-2% Py						
4.20	7.13	RED ALTD FP	12807	4.2	4.6	0.4		3.70
		-red altd FP; completely altd no relict feldspars	12808	4.6	5.3	0.7		3.08
		non-calcitic; massive 3-4% narrow qtz-dol filled	12809	5.3	6.0	0.7		1.37
		fractures often at 30'; pervasive weak qtz carb	12810	6.0	6.6	0.6		1.37
		altn -locally sericitic; 2-3% fg diss Py 4.2-4.6,	12811	6.6	7.15	0.55		1.82
		tr-1% diss Py 4.6-6.0; 1-2% Py assoc with grey						
		qtz flooding 6.0-7.13						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
7.15	8.79	HORNBLLENDE FP (LAMP) -matrix dom. hbde bio FP fg with faint relict feldspars -patches milky white qtz 8.52-8.70	12812 12813	7.15 8.0	8.0 8.8	0.85 0.8		0.27 <.20
8.79	12.56	MAFIC VOLCANICS -pale to rd grey. fg mafic volcs; calcitic, mag. - below 11.1 less calcitic-weakly altd - tr-1 vfg diss Py assoc with weak qtz dol altn below 11.1 3-5% Py assoc with better altn 11.63-11.76; 2-3% Py assoc to patchy beige altn 12.20-12.56; hematitic qv at 30' 11.40-11.53; qtz carb veins at 30-40' 12.20-12.56	12814 12815 12816 12817 12818	8.8 9.6 10.4 11.1 11.76	9.6 10.4 11.1 11.76 12.56	0.8 0.8 0.7 0.66 0.80		<.20 <.20 <.20 <.20 1.40
12.56	16.18	PINK TO RED ALTD FP -pink to red mg altd FP; non-calcitic -very faint relict feldspars; massive ; 1-2% fine mm scale fractures healed with qtz-carb 2% fine hairline fractures healed with specular hematite; weak pale beige ore altn; more intense band at 13.83-13.86 at 60'; only locally very faint tr vfg diss Py	12819 12820 12821 12822	12.56 13.18 14.18 15.18	13.18 14.18 15.18 16.18	0.52 1.00 1.00 1.00		0.96 <.20 <.20 <.20
16.18	17.23	ALTD MAFIC VOLCANICS -grey altd mafic volcs; dolomite 16.18-16.83 - pervasive-no assoc Py <1% Py -calcitic 16.96-17.23; dyke red FP 16.83-16.96;	12823 12824	16.18 16.83	16.83 17.23	0.65 0.50		<.20 <.20
17.23	19.82	GREY HBDE FP -grey fg hbde bio FP; matrix dominant; 15% secon. feldspars; weakly magnetic; quite calcitic; gradually becomes more like mai-phase bio FP inclusion of mafic volcs -calcitic 18.00-18.37	12825 12826 12827 12828	17.23 18.02 18.37 19.00	18.02 18.37 19.00 19.82	0.79 0.35 0.63 0.82		<.20 <.20 <.20 <.20
19.82	20.92	MAFIC VOLCS -dk grey fg mafic volcs; calcitic -mod -magnetic; dyke grey FP with qv 20.49-20.65	11801	19.82	20.92	1.1		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
20.92	30.27	FRESH GREY FP	12829	20.92	22.00	1.08		<.20
		-fresh grey mg bio FP; calcite -locally weakly	12830	22.00	23.00	1.00		<.20
		magnetic; narrow barren qvs 25.61-25.67,	12831	23.0	24.0	1.0		<.20
		26.69-26.74; hematitic weakly chloritic sections	12832	24.0	25.0	1.0		<.20
		24.20-24.40, 27.64-28.06; bleached pale pink	12833	25.0	26.0	1.0		<.20
		section 29.05-29.31;	12834	26.0	27.0	1.0		<.20
			12835	27.0	28.0	1.0		<.20
	30.27	END OF HOLE		28.0	29.0	1.0		
		Core size LTK46		29.0	30.27	1.27		
		Whole core sampled						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	225.0	27/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	27/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1967.35 N	14.5	N Morissette Can.		
Grid No.	2915.9 E	Collar Elev.	Logged By:		
Ramp Leg 2		3942.9	A. Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	1.73	ALTD MAFIC VOLCANICS -dk grey fg altd mafic volcanics; calcitic-mag. hairline fractures healed with calcite; calcitic 2-3% fg diss Py assoc with calcitic fractures -lower ct at ~45'	12701 12702	0.0 0.9	0.9 1.73	0.90 0.83		1.30 8.09
1.73	2.53	RED ALTD FP -red altd FP- no relict feldspars 15% secondary feldspars non-calcitic; pervasive white dolomite altn 1.73-1.99; 1-2% Py 1.73-1.99 -tr Py with rest; mafic inclusion 1.99-2.11	12703 AVG	1.73 0.9	2.53 2.53	0.80 1.63		2.78 5.48
2.53	4.27	ALTD MAFIC VOLCANICS -pale to med grey mafic volcs.; dominantly calc. -magnetic; highly fractured, fractures healed in calcite; locally patchy weak pale beige altn along fractures; 2-3% Py assoc with patchy pale beige ore altn; 5-7% Py assoc with pervasive altn along lower ct 4.13-4.27;	12704 12705 12706 12707	2.53 3.03 3.53 4.13	3.03 3.53 4.13 4.43	0.50 0.50 0.60 0.30	2-3 2-3 2-3 5	1.06 1.51 4.29 16.63
4.27	5.03	RED ALTD FP -red altd FP; pervasive dolomitic pale beige altn 2-3% fg diss Py	12708 AVG AVG	4.43 3.53 0.0	5.03 5.03 5.03	0.60 1.5 5.03	2-3	4.15 6.7 3.48

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
5.03	14.5	GREY WEAKLY ALTD HBDE FP	12709	5.03	6.00	0.97		0.48
		-grey fg weakly altd hbde FP; fg matrix with	12710	6.0	7.0	1.00		0.21
		chloritic hbde and bio; 15-20% faint secondary	12711	7.0	8.0	1.0		<.20
		feldspars; 1% qtz calcite veins; grades towards	12712	8.0	9.0	1.0		<.20
		more normal looking bio FP towards base	12713	9.0	10.0	1.0		<.20
			12714	10.0	11.0	1.0		<.20
	14.5	END OF HOLE	12715	11.0	12.0	1.0		<.20
		Core size LTK-46	12716	12.0	13.0	1.0		<.20
		Whole core sampled	12717	13.0	14.0	1.0		<.20
			12718	14.0	14.5	0.5		<.20

Property	TP. or Area	Azimuth	Date Started	Corrected Dip	Tests	Location sketch
Rundle Mine	Newton Twp	45.0	12/12/87			
Project	Lot. & Conc.:	Dip	Date Completed			
3382		0.0	12/12/87			
Claim No.	Co-ordinates:	Length	Drilled By:			
	1967.35 N	16.14	N Morissette Can.			
Grid No.	2915.9 E	Collar Elev.	Logged By:			
Ramp Leg 2	Section:	3928.3	R.E. Norman			
	1060 SE					

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	2.90	RED-GREY ALTD FP -med grained; reddish to pinkish grey altn; 5% milky white qtz-carb veins (up to 5mm) at 35-50' -trace Py generally; 3% at out contact	2601 2602 2639	0 1.00 2.0	1.00 2.00 2.9	1.00 1.00 0.9	tr tr	<.20 <.20 0.38
2.90	3.56	ALTD MAFIC VOLCANICS -grey-beige altn; fg to mg; beige-pink altn along thin shears locally 35-50'; 5% diss Py as patches and stringers; 3.00-3.17: Pink altd porphyry; no min'zn or sig'n alt'n	2603	2.90	3.56	0.66	5	6.79
			AVG	2.90	4.22	1.32		4.03
3.56	4.80	PINK ALTD FELDSPAR PORPHYRY -med grained; pink to pink-grey; grey-beige altn, volcs 4.06-4.18 with occ'n diss Py; minor qtz-carb veining	2604 2605	3.56 4.22	4.22 4.88	0.66 0.66	tr	1.27 1.65
4.80	6.35	ALTD MAFIC VOLCANICS -ore; grey to beige altn; fine graige carbonetal strong altn and min'zn with up to 10% fine diss Py -stringers and blebs of Py locally; strongly fractural and sheared in places and in-filled with anastolmasing qtz-carb veins, veinlets and stgrs. pinkish hybrid in places with minor Fp at 5.84	2606 2607	4.88 5.84	5.84 6.35	1.04 0.51	5 3-5	1.16 0.27

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
6.35	6.75	RED-PINK ALTN FP red and pink; med. grained; weak tan-brown altd sericite-locally; occn dissn Py;	2608	6.35	6.75	0.40		<.20
6.75	14.66	MAFIC VOLCANICS -fine grained; green; grey-green locally; strongly calcitic and magnetic; mod. fractural and in- filled with milky white qtz-carb veins 6.75-7.30; -red altd, aphanitic material 7.47-7.77 with 5% Py as massive patches and veins; graphitic mdst 12.45-12.70 with up to 1cm layers of broken, massive Py 30%; green epidote stringers and veinlets in fractures locally; generally sparse min'zn; minor diss Py locally; minor FP dyke 8.66-8.86 no min'zn; pink-grey	2609 2610 2611 2612 2613 2614 2615 2616 2617 2618	6.75 7.30 7.77 8.66 9.54 10.24 11.18 12.45 12.70 13.70	7.30 7.77 8.66 9.54 10.24 11.18 12.45 12.70 13.70	0.55 0.47 0.89 0.88 0.70 0.94 1.27 0.25 1.00 0.96		<.20 0.34 <.20 <.20 <.20 <.20 <.20 <.20 <.20 <.20
14.66	16.14	GREY FP -med grained, purplish hue locally; no sig'n min'zn, altn or veining; minor diss Py in places	2619	14.66	16.14	1.48		<.20
	16.14	END OF HOLE						

Property	TP, or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	225.0	1/12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	2/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1965.3 N	39.9	N Morissette Can.		
Grid No.	2921.9 E	Collar Elev.	Logged By:		
Ramp Leg 2		3940.9	R.E. Norman		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	1.35	ALTD MAFIC VOLCANICS -fg, grey, mod altd, calcitic, magnetic, 2-3% diss Py; minor bands of beige carb altn	12992	0	1.35	1.35		1.47
1.35	7.00	FP -mg; generally grey with weak pinkish altn in places; greyish, siliceous altn (ore porphyry) at 6.70-7.00 with minor shears with cream-green altn and diss Py; generally no sig'n min'zn or veining; occ'n minor diss Py	12993 12994 12995 12996	1.35 3.0 4.5 6.0	3.00 4.5 6.0 7.0	1.65 1.5 1.5 1.0		0.72 <.20 <.20 <.20
7.00	7.55	ALTD MAFIC VOLCANICS -fg; grey; weakly alt'd; strongly calcitic and magnetic; .5-1% diss Py locally; 1% near out-contact	12997	7.00	7.55	0.55		2.37
7.55	8.78	PINK ALTD FP -fine to med grained, pink; no sig'n min'zn or alt'n	12998 AVG AVG	7.55 7.0 8.78	8.78 8.78 10.20	1.23 1.78 1.42		0.27 0.92 9.52

METRES		DESCRIPTION	Sample#	DRILL HOLE No. 2-041			Est. % Py	ASSAYS g/t Au
From	To			From	To	Length		
8.78	18.10	MAFIC VOLCANICS -strongly calcitic t.o.; and magnetic; chloritic locally; grey altd from 8.78-9.63 with 1-3% diss Py and veinlets of Py filling fractures; minor qtz-carb veining as blueish-grey veinlets; FP dyke at 15.61-16.06; purplish grey with bio. flakes; no min'zn; occ'n patch and blebs of diss Py t.o.	12999 13000 13994 13995 13996 13997 13998 13999 14000	8.78 9.63 10.20 11.80 13.18 14.70 15.61 16.06 17.70	9.63 10.20 11.80 13.18 14.70 15.61 16.06 17.70	0.85 0.57 1.60 1.38 1.62 0.91 0.45 1.64 0.40	2 1 .5 .5 .5 .5 tr .5 .5	14.57 1.99 1.54 <.20 0.24 0.34 <.20 <.20 <.20
18.10	21.1	GREY FP -med. grained; grey with purplish hue locally; mostly 'fresh'; no sig'n min'zn or veining	11701 11702 11703	18.10 19.05 20.50	19.05 20.50 21.10	0.95 1.45 0.60		<.20 <.20 <.20
21.1	22.54	RED ALTD FP -gradational from previous; reddish to pinkish; fine to med grain; 1% fine diss Py locally; becomes greyish 21.89 to 22.54; Lamp dyke 21.64-21.84; no sig'n min'zn, altn or veining	11704	21.10	21.89	0.79		0.75
22.54	29.95	LAMPROPHYRE DYKE -fg, purplish grey; strongly calcitic and magnet. -no sig'n min'zn, altn or veining						
29.95	39.90	FP -med grained; grey-fresh; no sig'n min'zn; lamp dyke 34.67-35.75						
	39.90	END OF HOLE						

Property	TF. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	225.0	4/12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	5/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1961.6 N	39.6	N Morissette Can.		
Grid No.	2932.2 E	Collar Elev.	Logged By:		
Ramp Leg 2		3938.4	R.E. Norman		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:--								
0.0	4.21	PINK ALTD FP	11953	0	0.84	0.84		<.20
		-mq; pinkish grey to 3.64; reddish altn 3.64-4.21	11954	0.84	1.56	0.72		0.37
		-grey-white qtz vein with sparse Py at 1.56-1.88	11955	1.56	1.88	0.32		<.20
		and intense veining and silica flooding 3.04-3.64	11956	1.88	3.04	1.16		0.68
		with up to 1% diss Py; generally weak altn and	11957	3.04	3.64	0.60		1.02
		min'zn;	11958	3.64	4.21	0.57		0.72
4.21	9.38	ALTD MAFIC VOLCANICS	11959	4.21	5.21	1.00		3.12
		-generally mod altn; grey to grey-green; fg;	11960	5.21	6.21	1.00		6.17
		-calcitic t.o.; beige-grey altn; strongly	11961	6.21	7.21	1.00		3.42
		fractural in places; abund qtz-cal. veinlets and	11962	7.21	8.22	1.01		16.32
		stringers; 2-3% diss and bleb, stringers and	11963	8.22	9.38	1.16		1.68
		veins of Py	AVG	5.21	8.22	3.01		8.69
			AVG	4.21	8.22	4.01		7.28
9.38	13.60	MAFIC VOLCANICS						
		-gradational from above; dk green to green-grey	11964	9.38	10.50	1.12		0.30
		no sig'n veining or min'zn (minor diss Py t.o.)	11965	10.50	11.90	1.40		0.34
		strongly calcitic and magnetic; purplish FP dyke	11966	11.90	12.90	1.00		<.20
		12.9-13.27 with biot. flecks	11967	12.90	13.60	0.7		<.20
13.60	15.80	LAMP DYKE						
		-fine to med grained; purplish grey; calcitic						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
15.80	39.6	GREY FP	11968	26.6	27.2	0.60		0.72
		-med to coarse grained; grey; flecked with biot.	11969	27.2	28.1	0.90		0.30
		locally; grey 'fresh' porphyry 28.6-39.6;						
		21.2-24.4 -weak pink altn no Py, tr hematite						
		26.6-27.2 -pale-pink altn(ore alrn) with 10% diss Py generally; no veining; very weak altn						
		27.2-28.1 -minor weak pink altn locally; weak to tr Py						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	45.0	12/12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	12/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1971.3 N	15.0	N Morissette Can.		
Grid No.	2942.0 E	Collar Elev.	Logged By:		
Ramp Leg 2	Section:	3925.0	C.P. Zorzi		
	1050 SE				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
		OBJECTIVES:-						
0	8.97	PINK RED ALTD FP	12403	0	1.47	1.47		3.22
		-fine to med. gr'd; pink to reddish; only minor	12404	1.47	2.37	0.9		0.24
		altn slong weak shears locally, 2.00-2.5; weak	12405	2.37	3.05	0.68		0.45
		to mod. qtz-carb veins and veinlets; generally	12406	3.05	4.05	1.0		0.31
		no sign min'zn, altn or veining; mod to weak	12407	4.05	5.05	1.0		0.55
		fracturing locally	12408	5.05	6.05	1.0		2.09
			12409	6.05	7.05	1.0		<.20
			12410	7.05	8.05	1.0		<.20
			12411	8.05	8.97	0.92		0.34
8.97	15.23	ULTRAMAFIC FLOWS						
		-fine grained; dk green to grey; talcose;	12412	8.97	10.08	1.11		0.34
		chloritic; excellent spinifex t.o.; 9.53-10.08;						
		FP; fine grained purplish grey; 1% diss Py locally						
	15.23	END OF HOLE						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	225.0	13/12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	13/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1970.90 N	20.10	N Morissette Can.		
Grid No.	2934.70 E	Collar Elev.	Logged By:		
Ramp Leg 2	Section:	3925.0	R.E. Norman		
	1045 SE				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Fy	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	0.20	FP -purplish grey; no min'zn						
0.20	4.08	MAFIC VOLCANICS	12413	0	1.00	1.00	1	<.20
		-grey-green; fine gr'd; generally weak one altn;	12414	1.00	2.00	1.00	1	0.58
		some fracturing a pink altn 2.00-2.30 with 3%	12415	2.00	2.39	0.39	2	0.82
		diss Fy; similarly 3.78-4.08; generally 1%	12416	2.39	2.86	0.47	1	1.10
		diss Fy; minor qtz-carb veining; pink-grey FP	12417	2.86	3.78	0.92	1	<.20
		dyke 2.39-2.86; calcitic and magnetic	12418	3.78	4.08	0.30	2	6.07
			AVG	3.78	5.87	2.09		4.68
			AVG	5.87	7.32	1.45		0.68
			AVG	7.32	9.94	2.62		9.04
4.08	9.14	PINK ALTD FP	AVG	3.78	9.94	6.16		5.59
		-fine to med. gr'd; pink-grey to 6.56; mafic volcs	12419	4.08	5.44	1.36		1.92
		5.44-5.87 with beige grey altn with fracture	12420	5.44	5.87	0.43		12.45
		sub-parallel and with 5-10% diss Fy; fairly abund	12421	5.87	6.56	0.69		0.41
		qtz-carb veins, stringers and veinlets, white	12422	6.56	7.32	0.76		0.93
		grey to white at 15-20'; minor diss Fy locally	12423	7.32	8.32	1.00		3.57
		some weak beige carb-sericite altn in bx'd	12424	8.32	9.14	0.82		10.08
		fractured zones but weakly min'zd						
9.14	9.94	ALTD MAFIC VOLCANICS	12425	9.14	9.94	0.80		14.82
		-fg to mg; lt grey; several qtz-veins up to 1cm						
		at 60' with 5% diss Fy and beige-grey altn						
		- 2-3% diss Fy generally; weakly calcitic;						
		strongly magnetic						

METRES		DESCRIPTION	Sample#	DRILL HOLE No. 2-047			Est. %	ASSAYS
From	To			From	To	Length	Py	g/t Au
9.94	16.39	FF	12426	9.94	11.03	1.09		0.45
		-fg to mg; grey; pinkish and red bands to 13.73	12427	11.03	12.18	1.15		2.13
		- 2-3% diss Py in red porphyry 13.0-13.73	12428	12.18	13.73	1.55		0.58
		-generally minor Py locally t.o.	12429	13.73	14.66	0.93		<.20
			12430	14.66	16.39	1.73		<.20
16.39	20.10	MAFIC VOLCANICS(FLOWS)						
		-green to lt green and grey; med.grained;	12431	16.39	17.50	1.11		<.20
		speckled gabbroic texture in some sections;	12432	17.50	18.97	1.47		<.20
		strongly calcitic and magnetic; fractured in	12433	18.97	20.10	1.13		<.20
		places and in-filled with qtz-calcite; minor						
		diss Py in places						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	45.0	12/12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	12/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1981.0 N	10.66	N Morissette Can.		
Grid No.	2923.35 E	Collar Elev.	Logged By:		
Ramp Leg 2	Section:	3921.1	C.P. Zorzi		
	1030 SE				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
		OBJECTIVES:-	2640	0.0	1.0	1.0	.5-1	1.61
0.0	7.02	RED ALTD FP	2641	1.0	1.75	0.75	tr-.5	6.17
		-red, mg, slightly magnetic; highly sheared; red	2642	1.75	2.50	0.75	tr-.5	0.82
		altn throughout with numerous thin lt. grey qc	2643	2.50	3.25	0.75	tr-.5	0.99
		veins; chl infilling; tr-.5% f.g. diss Py;	2644	3.25	4.00	0.75	tr-.5	0.48
			2645	4.00	4.75	0.75	tr-.5	<.20
			2646	4.75	5.50	0.75	tr-.5	0.75
			2647	5.50	6.25	0.75	tr-.5	3.19
			2648	6.25	7.02	0.77	tr-.5	2.50
			AVG	0.0	1.75	1.75		3.56
			AVG	5.50	7.02	1.52		2.84
7.02	9.25	ALTD MAFIC VOLC	AVG	7.02	8.50	1.48		7.13
		-med. grey; fg, mag; sheared; good lt. grey altn	2649	7.02	7.75	0.73	3-5	11.04
		with qc veinlets; 2-3% fg patchy and diss Py;	2650	7.75	8.50	0.75	1-2	3.33
			2651	8.50	9.25	0.75	3-5	1.92
9.25	10.66	ULTRAMAFIC VOLCANICS						
		-dk green, soft, fg, only tr Py;	2652	9.25	10.00	0.75	tr	<.20
			2653	10.00	10.66	0.66	tr	<.20
	10.66	END OF HOLE						
		EXET core						
		Whole core sampled						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp.	225.0	7/12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	7/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1945.0 N	10.9	N Morissette Can.		
Grid No.	2907.2 E	Collar Elev.	Logged By:		
Ramp Leg III	Section:	3918.8	C.P. Zorzi		
	1015 SE				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS	
From	To							Au	g/t
OBJECTIVES:-									
0.0	2.10	RED ALTD FP (ORE PORPHYRY)	12177	0.0	1.0	1.0	2-3	0.79	low to med
		-red to beige; mg; non-magnetic; sheared; med to	12178	1.0	2.1	1.1	1-2	1.44	low to med
		beige altn numerous thin lt grey qc veinlets with							
		a few 1cm qc veins, green chl infilling; 2-3%							
		fg to mg diss Py							
2.10	10.74	GREY SLIGHTLY ALTD FP	12179	2.1	3.5	1.4	.5-1	0.34	
		-grey red, mg, slightly magnetic, biotitic;	12180	3.5	4.0	0.5	tr-.5	0.45	
		sheared; minor patches of red altn; numerous	12181	4.0	5.0	1.0	tr-.5	<.20	
		thin lt grey qc veinlets with chloritic	12182	5.0	6.2	1.2	tr	0.31	
		infillings; tr Py; small band of red altd FP	12183	6.2	6.65	0.45	tr-.5	0.51	
		from 6.2-6.65	12184	6.65	8.00	1.35	tr	0.21	
			12185	8.00	9.00	1.00	tr	<.20	
10.74	10.90	DACITE DYKE	12186	9.00	10.00	1.20	tr	<.20	
		EXET Core	12187	10.00	10.74	0.74	tr	<.20	
		Whole core sampled	12188	10.74	10.90	0.16	tr	2.81	

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	45.0	10/12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	10/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1983.5 N	10.66	N Morissette Can.		
Grid No.	2919.5 E	Collar Elev.	Logged By:		
Ramp Leg III	Section:	3921.0	C.F.Zorzi		
	1025 SE				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Fy	ASSAYS Au g/t
From	To							
		OBJECTIVES:-	2672	0.0	1.0	1.0	tr-.5	0.62
			2673	1.0	2.0	1.0	1-2	2.26
0.0	7.30	RED ALTD FP (ORE PORPHYRY)	2674	2.0	3.0	1.0	2-3	6.24
		-red to beige, mg; non-magnetic; highly fractured	2675	3.0	4.0	1.0	tr-.5	3.36
		very blocky; good red beige altn and numerous	2676	4.0	5.0	1.0	tr-.5	0.38
		paper thin lt grey qc veins; 1-2% fg diss Fy	2677	5.0	6.0	1.0	1-2	0.51
			2678	6.0	7.0	1.0	2-3	0.24
			2679	7.0	7.3	0.3	2-3	0.31
			AVG	2.0	4.0	2.0		4.80
7.30	9.80	HYBRID RK						
		-red to lt grey, fg to mg; sheared and minor	2680	7.30	7.70	0.4	1-2	5.66
		fracturing; good red-beige altn in FF with good	2681	7.70	7.98	0.28	.5-1	0.21
		lt grey altn in volc; 1-2% fg diss Fy	2682	7.98	9.00	1.02	1-2	2.50
			2683	9.00	9.80	0.80	1-2	0.99
			AVG	7.30	9.00	1.7		2.87
9.80	10.50	SPINIFEXED U.M.	2684	9.80	10.50	0.7	tr	<.20
10.50	10.66	RED ALTD FP						
		-poor altn and tr min'zn						
		Notes						
		EXET Core drilled						
		Whole core sampled						

0.16m Core lost at end of hole

Property	TF. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	45.0	10/12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	10/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1985.8 N	15.83	N Morissette Can.		
Grid No.	2914.2 E	Collar Elev.	Logged By:		
Ramp Leg III	Section:	3920.0	C.F. Zorzi		
	1020 SE				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
		OBJECTIVES:-	2654	0.0	1.0	1.0	.5-1	0.72
			2655	1.0	2.0	1.0	tr	0.82
0.0	7.02	RED ALTD FP	2656	2.0	3.05	1.05	.5-1	7.17
		red, mg, very slightly magnetic; highly sheared;	2657	3.05	3.40	0.35	tr	1.51
		red and beige altn throughout; minor chl and	2658	3.40	4.00	0.60	tr	1.13
		hematite infillings, numerous paper thin qc	2659	4.00	5.00	1.00	tr	0.58
		veinlets, qc vein 3.05-3.40; tr-.5% fg diss Py;	2660	5.00	5.60	0.60	.5-1	1.66
		-mafic inclc 6.23-6.35	2661	5.60	6.23	0.63	1-2	0.96
			2662	6.23	6.35	0.12	5-10	1.68
			2663	6.35	7.02	0.67	.5-1	<.20
			AVG	2.0	3.4	1.4		5.76
7.02	9.00	ALTD MAFIC VOLC	2664	7.02	8.00	0.98	3-5	3.74
		-med to lt grey, fg, magnetic; highly sheared;	2665	8.00	9.00	1.00	3-5	3.53
		patches of lt grey altn with numerous thin lt	AVG	7.02	9.00	1.98		3.63
		grey qc veinlets; 2-3% Py						
9.00	10.36	RED ALTD FP	2666	9.0	9.60	0.6	.5-1	0.79
		-as above 0.0-7.02;	2667	9.60	10.36	0.76	.5-1	0.38
10.36	11.68	TALC CHLORITE CARBONATE SCHIST	2668	10.36	11.68	1.32	tr	<.20
		-soft, talcose, fg; only tr Py						
11.68	15.83	HBLD FSP PORPHYRY DYKE	2669	11.68	13.00	1.32	tr	<.20
			2670	13.00	14.50	1.50	tr	<.20
		NOTES	2671	14.50	15.83	1.33	tr	<.20
		EXET Core drilled						
		Whole core sampled						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	45.0	13/12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	13/12/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1988.65 N	16.14	N Morissette Can.		
Grid No.	2910.00 E	Collar Elev.	Logged By:		
Ramp Leg 2	Section:	3918.7	R.E. Norman		
	1015 SE				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	2.02	FINK ALTD FP	12492	0	1.00	1.00		1.06
		-med to cg; pink grey to pinkish-only eak altn;	12493	1.00	2.02	1.02		1.06
		-sporadic diss Py						
2.02	2.80	ALTD MAFIC VOLCANICS	12494	2.02	2.80	0.78		22.83
		-fg; grey; good grey carb-sericitic altn with 3-5% fine diss Py along fractures dominantly at 15'						
		-minor qtz-carb veining; mod'ly calcitic and mag	AVG	2.02	4.04	2.02		10.16
2.80	10.10	MAFIC VOLCANICS	12495	2.80	4.04	1.24		2.19
		-fg, grey to grey-green; minor fracturing locally	12496	4.04	4.74	0.70		0.48
		and in-filled with qtz-carb; up to 2% Py as diss	12497	4.74	5.87	1.13		1.65
		and stgrs in veins and fractures locally;	12498	5.87	7.24	1.37		2.13
		generally minor altn and min'zn; pinkish FP dykes	12499	7.24	8.57	1.33		1.23
		from 4.04-4.74 and 8.57-9.24 with minor Py	12500	8.57	9.24	0.67		0.51
			9829	9.24	10.10	0.86		1.65
10.10	10.45	ULTRAMAFICS						
		-talc-chlorite-calcite schist; dk green with white carb veins; strongly foliated at 65-70' no min'zn						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
10.45	13.81	FELDSPAR-HBLD PORPHYRY -very fine grained, purple; no min'zn, veining -strongly calcitic						
13.81	16.14	ULTRAMAFIC VOLCANICS -dk green-grey; fine grained; talcose; strongly calcitic; no min'zn						

Property Rundle Mine	TP. or Area Newton Twp	Azimuth 45.0	Date Started 7/12/87	Corrected Dip Tests	Location sketch
Project 3382	Lot. & Conc.:	Dip 0.0	Date Completed 7/12/87		
Claim No.	Co-ordinates: 1994.95 N	Length 12.18	Drilled By: N Morissette Can.		
Grid No. Ramp Leg 3	2894.8 E Section: 1000 SE	Collar Elev. 3915.5	Logged By: C.P. Zorzi		

METRES		DESCRIPTION	Sample#	From To		Length	Est. % Py	ASSAYS Au g/t	
From	To								
OBJECTIVES:-									
0.00	0.72	GREY RED ALTD FP -grey red, mg, slightly magnetic; sheared and fractured; grey red altn with chloritic infillings and qc veinlets; pervasive calcite 2-3% fg diss Py	12189	0.0	0.72	0.72	2-3	12.03	
0.72	3.10	ALTD MAFIC VOLCANICS -grey, fg, magnetic mod. sh'd; strongly calcitic small bands of lt grey cb altn; few thin wispy calcite veinlets; tr-.5% fg diss Py throughout more concentrated in narrow bands here and there	12190 12191 12192 12193 AVG	0.72 1.04 1.62 2.60 0.0	1.04 1.62 2.60 3.10 2.60	0.32 0.58 0.98 0.50 2.60	3-5 2-3 tr-.5 2-3	4.77 0.65 2.40 <.20 4.97	
3.10	4.45	RED ALTD FP (ORE PORPHYRY) beige-red, mg, slightly magnetic; sheared; red to beige altn, more intense in places with minor sericite and chloritic in fillings; mod. amt thin lt greyqc veinltes; 2-3% fg diss Py	12194 12195 12196	3.10 4.00 4.12	4.00 4.12 4.45	0.90 0.12 0.33	2-3 5-10 2-3	0.89 8.47 7.24	low to m
4.45	6.75	ALTD MAFIC VOLC -as above but more siliceous and slightly less calcitic; minor patches of lt grey altn with numerous paper thin wispy qc veins and calcite veins; tr-1% fg diss Py	12197 12198 12199 AVG AVG	4.45 5.00 6.00 4.00 0.00	5.00 6.00 6.75 6.75 6.75	0.55 1.00 0.75 2.75 6.75	.5-1 .5-1 .5-1	2.95 1.41 2.74 3.09 3.29	

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
6.75	7.43	RED ALTD FP (ORE PORPHYRY) -as above 3.10-4.45; good altn with 2-3% fg diss Py	12200	6.75	7.43	0.68	2-3	0.41 low to med
7.43	9.92	ALTD MAFIC VOLC -med. grey; fg; magnetic; sh'd; paper thin lt grey, calcite veins with a few 2mm to 1cm qtz veins; tr-.5% fg diss Py	11401 11402 11403 11404	7.43 8.10 8.75 9.00	8.10 8.75 9.00 9.92	0.67 0.64 0.25 0.92	tr-.5 tr-.5 2-3 tr-.5	0.72 1.30 0.96 cherty 1.65
9.92	12.18	HBLD FSP PORPHYRY T.C.C.S. from 10.32-10.68 EXET Core drilled Whole core sampled	11405 11406 11407 11408	9.92 10.32 10.68 11.30	10.32 10.68 11.30 12.18	0.40 0.36 0.62 0.88	tr tr tr tr	<.20 <.20 <.20 <.20

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	241.505	24/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		41.167	25/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1970.414 N	28.02	N Morissette Can.		
Grid No.	2897.767 E	Collar Elev.	Logged By:		
2nd (91m) Level		3909.696	R.E.Norman		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	2.89	PINK ALTD FP	13755	0	0.70	0.70	1	<.20
		-med to coarse grained; pink to pink-grey in some sections; strongly calcitic in grey sections	13756	0.70	2.14	1.44	.5	0.24
		-generally .5% Py; 1% at 0-0.70; no sig'n veining	13757	2.14	2.89	0.75	.5	<.20
2.89	4.03	PINK ALTD FP (ORE ALTN)	13758	2.89	3.49	0.60		<.20
		-pink; fine grained; -weak carb altn; 1-2 fine diss Py;						
		3.18-3.49: abund. silica flooding and qtz-carb-sericite veining sub-parallel; tan coloured veining and wisps locally -sericite?; magnetic locally; calcitic in spots; grey altn 3.49-4.03	13759	3.49	4.03	0.54		<.20
		-1% Py						
4.03	5.86	HYBRID-PINK ALTD FELDSPAR AND GREY-GREEN MAFICS	13760	4.03	4.47	0.44	tr	<.20
		-med. to fine grained; gradational from previous	13761	4.47	5.30	0.83	tr	<.20
		abund. chloritic fractures; tan-khaki crystals still present; minor qtz patches; trace Py; fairly abund. qtz-calcite-chl veins at 5-10'	13762	5.30	5.86	0.56	.5	<.20
5.86	9.90	FELDSPAR- BIOTITE PORPHYRY	13763	5.86	6.82	0.96	tr	<.20
		-med. grained; purplish-grey; no sign veining	13764	6.82	7.50	0.68	tr	<.20
		min'zn or altn; generally strongly calcitic and magnetic; occn diss Py	13765	7.50	8.16	0.66	tr	<.20
			13766	8.16	8.82	0.66	tr	<.20
			13767	8.82	9.90	1.08	tr	<.20

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
9.90	10.68	MAFIC VOLCANICS -dk green; fine grained; chloritic and calcitic; -chloritic and calcitic; minor diss and stringer Py; no sign veining; out -contact at 45'	13768	9.90	10.68	0.78		<.20
10.68	13.68	FELDSPAR PORPHYRY -interbanded Biotie-FP and biot-hbltd-FP with large magnetic fragments; no sign, min'zn, veining or altn; mod to strongly calcite	13769 13770 13771	10.68	11.58	0.90 0.92 1.18		<.20 <.20 <.20
13.68	14.36	MAFIC VOLCANICS -grey-green; fine grained; minor light blue-grey qtz-calcite patches and shears? with 5% stringer Py and brown carb fragments; a 2cm grey qtz-vein occurs at 14.2 with a marginal vein of massive Py; generally 2-3% Py as diss, blebs and stringers minor 5cm aplite band at 14.05; irregular ct; strongly magnetic	13772	13.68	14.36	0.68		<.20
14.36	28.02	FP -interbanded grey and purplish; FELDSPAR-BIOT-HBLD-PORPHYRY -occn pink aplite band; weakly to strongly calcitic and magnetic t.o.; generally no sign min'zn, veining or altn; NOTE: 27.13-27.41: Pink latd porphyry with 1-2% Py and minor qtz veining	13773 13774 13375 13376 13377 13378 13379 13380 13381	14.36	15.10	0.74 1.45 1.57 1.55 1.49 1.36 1.54 1.43 1.64	tr tr tr tr tr tr tr tr	<.20 <.20 <.20 <.20 <.20 <.20 <.20 <.20 <.20
28.40	35.63	GREY BIO FP -grey, mg, magnetic, unaltd; QV at 28.40-28.50, .5-1% Py with slight red altn; 32.20-32.50, tr Py unaltd	13782 13783 12257 12258 AVG	27.13	27.41	0.28 0.61 0.10 0.20 28.12*0.99	1-2 tr .5-1 tr	4.14 0.20 4.22 0.82 1.72

NOTE: 28.4-35.63 drilled from new set-up
28.02 in original hole probably equivalent to 28.40
in extensions
* adjusted to fint with original d.h.

Property	TR. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	209.76	23/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		30.38	24/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1969.983 N	28.02	N Morissette Can.		
Grid No.	2898.131 E	Collar Elev.	Logged By:		
2nd (91m)	Section:	3909.696	R.E. Norman		
Level	1025 SE +/-				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0.0	0.90	PINK ALTD FP -med grained; pink to pink-grey locally; weak to mod. altn with .5-1% fine diss Py locally - non-calcitic, weakly magnetic; out ct at 45'	13592	0	0.90	0.90	.5	1.17
0.90	5.17	MAFIC VOLCANICS -fg; green to green-grey; minor altn; strongly magnetic and calcitic; minor qtz-carb stringers and veinlets; 1-2% diss, blebs and minor stringers of Py; several thin (8cm) FP bands t.o.	13593 13594 13595 13596 13597	0.90 1.94 3.04 3.84 4.59	1.94 3.04 3.84 4.59	1.04 1.10 0.80 0.75 0.58	.5 1-2 1-2 1-2 1	2.61 (.35 lost core) <.20 <.20 <.20 <.20
5.17	6.54	GREY FP -mg to cg; characterized by large (up to 1cm) angular dk green mafic fragments; generally massive; no sig'n qtz veining or altn; mod'ly to strongly magnetic; non-calcitic	13598	5.17	6.54	1.37	tr	<.20
6.54	11.85	DIABASE -fine to med. grained; green to green grey; weakly calcitic locally and strongly magnetic; no sig'n veining, min'zn or altn; apple green epidote veining and altn 6.54-7.52 with minor pinkish aplitic bands	13599 13600 13601 13602 13603	6.54 7.52 8.27 9.02 10.44	7.52 8.27 9.02 10.44	0.98 0.75 0.75 1.42 1.41	tr tr tr tr tr	<.20 <.20 <.20 <.20 <.20

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
11.85	14.51	GREY FP -as 5.17-6.54	13604 13605 13606	11.85 12.78 13.56	12.78 13.56 14.51	0.93 0.78 0.95	tr tr tr	<.20 <.20 <.20
14.51	22.32	NOTE: Box spilled; core mixed-footages unsure; -rock all of grey and purplish Feldspar with Hornblende and/or biotite. No sign min'zn, altn or veining; strongly calcitic and magnetic; -occ'n pinkish bands of aplite; 1.2 m of ground core from 16.50	13623 13607 13608 13609 13610 13611	14.51 15.02 16.50 19.10 20.50 21.90	15.02 16.50 17.90 20.50 21.90 22.32	0.51 1.48 1.40 1.40 1.40 1.40		<.20 <.20 <.20 <.20 <.20 <.20
22.32	28.16	GREY HBLD FP -as 5.17-6.54; appears as gabbroic texture in places; weakly calcitic locally; mod'ly magnetic no sig'n min'zn, veins, or altn; tr Py	13612 13613 13614 13615	22.32 23.75 25.10 26.50	23.75 25.10 26.50 28.16	1.43 1.35 1.40 1.66		<.20 <.20 <.20 <.20
28.16	29.73	FELDSPAR-BIOTIE PORPHYRY -purplish grey; med. grained; mod. pervasive calcite altn; no sign veining; .5-1% fine diss Py locally; weakly magnetic locally	13616 13617	28.16 28.81	28.81 29.73	0.65 0.92		<.20
29.73	34.11	GREY HBLD -FP -med to coarse grained; as 22.32-28.16; reddish altn form 31.31-31.53 with 1 to 2cm grey qtz veining at 60-70'-tr Py (this maybe the #2 vein) -gabbroic looking texture locally; mod'ly magnetic locally;	13618 13619 13620 13621 13622	29.73 30.83 31.31 31.53 32.99	30.83 31.31 31.53 32.99 34.11	1.10 0.48 0.22 1.46 1.12		<.20 <.20 <.20 <.20 <.20
34.11	48.40	GREY BID. FP -fresh unaltd; #2 vein 38.40-39.10; cts at 15-20' -vein is unaltd with wispy Py along fractures about 1-2% Py	12259	38.40	39.10	0.70	1-2	13.37
	48.40	END OF HOLE						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	122.0	23/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		0.0	23/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1969.983 N	30.5	N Morissette Can.		
Grid No.	2898.131 E	Collar Elev.	Logged By:		
2nd (91m) Level		3910.853	R.E.Norman		

METRES		DESCRIPTION	Sample#	Corrected Dip Tests			Est. % Py	ASSAYS Au g/t
From	To			From	To	Length		
OBJECTIVES:-								
0.0	7.1	MAFIC VOLCANICS	13855	0.0	0.91	0.91	1	<.20
		-fine to med grained; green to grey-green; fairly	13856	0.91	1.61	0.70	1	<.20
		abund qtz-carb veinlets and stringers at 50-80'	13857	1.61	2.33	0.72	1	<.20
		-pervasive calcite altn t.o.; up to 1% Py locally	13858	2.33	3.08	0.75	1	<.20
		as diss along fractures; grey FP dyke 3.52-3.87,	13859	3.08	3.87	0.79	1	<.20
		5.18-5.44; 8cm FP dyklet at 3.22 and 4.07-4.27;	13560	3.87	4.56	0.69	1	<.20
		contacts at 45-70' and irregular; strongly	13561	4.56	5.44	0.88	1	<.20
		magnetic	13562	5.44	6.10	0.66	1	<.20
			13563	6.10	7.10	1.00	1	<.20
7.10	8.06	GREY FP	13864	7.10	8.06	0.96	tr	<.20
		-med to coarse grained; mod. fractured and						
		infilled with chlorite; no sig'n min'zn, altn						
		or veining; contacts at 45'; weakly magnetic						
8.06	15.85	FP	13865	8.06	9.06	1.00	tr	<.20
		-purplish-grey (weak pink altn); fine to mod	13866	9.06	9.74	0.68	tr	<.20
		grained (finer grained than above) out-contact	13867	9.74	10.46	0.72	tr	<.20
		marked by 3cm of mafic volc with 5% Py; mod	13868	10.46	11.21	0.75	tr	0.72
		fractured and in-filled with qtz-carb veinlets	13869	11.21	11.96	0.75	tr	0.99
		sub-parallel to 50'; mod to strongly calcitic;	13870	11.96	12.79	0.83	tr	<.20
		mod to strongly magnetic; pink-red altn from	13871	12.79	13.29	0.50	tr	<.20
		14.62-15.85 with 1% diss Py and minor qtz-carb	13872	13.29	14.04	0.75	tr	<.20
		veins;	13873	14.04	14.62	0.58	tr	<.20
			13874	14.62	15.37	0.75	1	0.34
			13875	15.37	15.85	0.48	1	1.16

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
15.85	17.49	MAFIC VOLCANICS -green; fine grained; fractured and in-filled with qtz-calcite veinlets and minor veins; anastomosing but generally at 45-50'; mod calcitic altn; .5-1% diss and blebs of Py locally; strongly magnetic	13876 13877	15.85 17.05	17.05 17.49	1.20 0.40	.5-1	0.62 <.20
17.49	19.19	LAMPROPHYRE DYKE -fine to med. grained; purplish grey; strongly pervasive calcite altn; no sign min'zn; magnetic	13878	17.49	19.19	1.70	-	<.20
19.19	23.61	MAFIC VOLCANICS -fine to med. grained; grey-green; mod fractured and in-filled with qtz-calcite veinlets and strgs anastomosing but generally at 50-60'; 2 purplish grey FP dyke 20.9-20.12; 21.77-22.39; strongly magnetic and calcitic; chloritic; occ'n diss and blebs of Py generally .5%	13879 13880 13881 13882 13883 13884	19.19 19.94 20.69 21.39 21.77 22.39	19.94 20.69 21.39 21.77 22.39	0.75 0.75 0.70 0.38 0.62 1.22	.5 .5 .5 .5 tr tr	<.20 <.20 <.20 <.20 <.20 <.20
23.61	24.90	LAMPROPHYRE DYKE -purplish grey; fine to med grained; strongly calcitic and magnetic; minor veining	13885	23.61	24.90	1.29	-	<.20
24.90	26.10	GREY BIOTITE FP -med. grained; calcitic; magnetic; no sig'n min'n or veining	13886	24.90	26.10	1.20	tr	<.20
26.10	26.31	LAMPROPHYRE DYKE -as above	13887	26.10	26.31	0.21		<.20
26.31	26.90	GREY BIOTITE-FP -as 24.90-26.10	13888	26.31	26.90	0.59		0.38
26.90	27.49	PINK ALTD PORPHYRY -fine to med grained; Feldspars partially oblit'd locally; strong silica flooding with 1% diss Py 27.02-27.29 and abundant qtz veins and blebs; veins appear pred. at 20-30' Py also with minor chloritic fractures	13889	26.90	27.49	0.59	1	1.16

METRES		DESCRIPTION	Sample#	DRILL HOLE No. 2-061			Est. %	ASSAYS
From	To			From	To	Length	Py	g/t Au
27.49	28.68	GREY FP -still with biotite but feldspar ore much more abund. and coarser grained than with biot. FP -no sig'n min'zn, altn or veining	13890	27.49	28.68	1.19	tr	<.20
28.68	29.32	LAMP DYKE -as 26.10-26.31; 10cm FP at out-contact; in-ct at 60-70'	13891 13892	28.68	29.32	0.64	tr	1.16 <.20
29.32	30.50	HBLD-BIOT-FP -grey; med. grained; gabbroic texture locally; -no sig'n min'zn, alt'n or veining						
	30.50	END OF HOLE						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle S	Newton Twp	53.0	16/11/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		427.0	17/11/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1953.70 N	80.40	N Morissette Can.		
Grid No.	2876.5 E	Collar Elev.	Logged By:		
2nd (91m)	Section:	3912.0	C.F. Zorzi		
Level	1025-30 SE				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS
From	To							Au g/t
OBJECTIVES:-								
0.0	20.0	FRESH GREY BIO.FP -unaltd, no min'n						
20.0	20.75	MAFIC VOLC -unaltd, dioritic looking, no min'n						
20.75	23.45	DACITE DYKE Cts ~30-45'; both chilled						
23.45	28.00	MAFIC VOLC -as above 20-20.75; few 0.5m unaltd FP incl						
28.00	45.95	SLIGHTLY ALTD GREY BIO FP -as above with slight-strong red altn -mafic incl 42.85-43.25 tr-.5% Py	10906 10907	30.0 42.85	31.0 43.25	1.0 0.40	tr-.5 tr-.5	1.37 0.31
45.95	49.50	ALTD MAFIC VOLC -lt to med grey, fg, magnetic; sheared; good lt grey cb altn with numerous thin lt grey qc veinlets; 5-7% diss Py overall with up to 20% Py locally	10908 10909 10910 10911 AVG	45.95 47.0 48.0 48.75 47.0	47.0 48.0 48.75 49.50 49.5	1.0 1.0 0.75 0.75 2.5	1-2 3-5 8-10 1-2	1.23 6.62 18.27 5.31 9.81
49.50	52.84	RED ALTD FP -red, mg, magnetic; sh'd; good red altn with qc veinlets; only tr Py	10912 10913 10914	49.50 50.50 51.50	50.50 51.50 52.84	1.0 1.00 1.34	tr tr tr	0.55 0.80 0.62

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
52.84	60.66	HYBRID ROCK (ALTD MAFIC VOLC AND RED ALTD FP) -red grey, mg, magnetic; bx'd and sh'd; good patchy lt grey and beige red altn; numerous lt grey cb veins; 1-2% overall, patches > 5-10%	10915	52.84	54.00	1.16	2-3	8.57
			10916	54.00	55.00	1.0	3-5	18.41
			10917	55.00	56.00	1.0	tr-.5	1.52
			10918	56.00	57.00	1.0	.5-1	1.68
			10919	57.00	58.00	1.0	3-5	10.35
			10920	58.00	59.00	1.0	1-2	4.87
			10921	59.00	60.00	1.0	.5-1	1.78
			10922	60.00	60.66	0.66	tr-.5	1.37
			AVG	52.84	59.00	6.16		7.59
60.66	73.75	ALTD MAFIC VOLC -as above but calcitic; lt grey altn here +there reflected in the sampling; min'n ~1-2% through better altd sections	10923	66.0	66.6	0.6	.5-1	10.08
			10924	66.6	67.0	0.4	tr	0.45
			10925	67.0	68.0	1	.5-1	1.75
			10926	68.0	69.0	1	tr-.5	2.98
			10927	69	70	1	tr-.5	0.17
			10928	70	71	1	1-2	0.62
			10929	71	72	1	tr	<.20
			10930	72	73	1	tr	<.20
			10931	73	73.75	0.75	1-2	1.47
73.75	78.25	RED ALTD FP -red, mg, slightly magnetic; sh'd; good red altn with numerous thin lt. grey qc veins and chl infillings; .5-1% diss Py overall with higher conc. locally	10932	73.75	75.0	1.25	1-2	0.21
			10933	75	76	1	tr-.5	<.20
			10934	76	77	1	tr	0.21
			10935	77	78.25	1.25	tr	0.96
78.25	80.40	C.G. ULTRAMAFIC FLOW						
	80.40	END OF HOLE AQ core drilled whole core sampled remaining core kept						

PROPERTY Rundle	TP OR AREA Newton Twp	AZIMUTH 045	DATE STARTED 4-12-87	CORRECTED DIP TESTS				LOCATION SKETCH OF HOLE
PROJECT 3382	LOT & CONC.	DIP 0	DATE COMPLETED 5-12-87					
CLAIM NO.	CO-ORDINATES. 1993oN 2898E	LENGTH 17.3	DRILLED BY N. Morrissette					
GRID NO. Ramp Leg IV		COLLAR ELEV. 3900.40	LOGGED BY REN					

METRES		SECTION	DESCRIPTION	ASSAYS				
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH	
0	2.59		OBJECTIVES:- Red Alt'd Porphyry: - med. grained; predominantly reddish alt'n - fractured and bx'd to 1.64 and in-filled with beige-cream siliceous carb'd parallel to LCA - up to 1% pyrite in weakly alt'd section 0.34 to 1.64	11982	0	0.74	0.74	2
				11983	0.74	1.64	0.90	.82
				11984	1.64	2.59	0.95	.24
2.59	4.97		Mafic Volcanics: - fine grained; green to grey-green -strongly calcitic and magnetic - highly brecciated and healed with beige grey carb mat'd and up to 5% diss'd pyrite 2.79 to 3.04 - generally made to strong calcite alt'n with 2% diss'd and strg. pyrite	11985	2.59	3.11	0.52	7.54
				11986	3.11	4.29	1.18	.85
				11987	4.29	4.97	0.68	.2

METRES		SECTION	DESCRIPTION					ASSAYS					
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH						
8.03	11.11		Red Alt'd Porphyry:										
			- med. to coarse grained	11994	8.03	8.55	0.52	tr	.62				
				11995	8.55	9.20	0.65	tr-1%	1.71				
			- pink alt'd section 10.3 to 10.45	11996	9.20	9.90	0.70	tr-1%	2.37				
			with 2% diss'd pyrite silica flooded	11997	9.90	10.53	0.63	1%	1.20				
				11998	10.53	11.11	0.58	1%	6.96				
			- generally weak greyish alt'n in places with up to 1% diss'd py										
			- minor qtz-carb veining										
11.11	11.34		Exhalite Chert Pyrite:										
			As 7.80 to 8.03; pyrite more finely diss'd rather than bands and up to 5%	11999	11.11	11.34	0.23	5%	3.12				
11.34	15.34		Mafic Volcanics:										
			-green to grey green , finely grained	12000	11.34	12.60	1.26		.27				
				12101	12.60	13.60	1.00		.38				
			- mod. fractured and alt'd to pinkish grey from 11.34 to 12.6	12102	13.60	14.45	0.85		.20				
			with up to 1% diss'd pyrite in places.	12103	14.45	15.00	0.55		.41				
			-generally weak alt'n and min'n										
			- strongly calcitic, abundant bluish qtz. calcite veinlets and wisps										
			- purplish F.P. dikes up to 10 cm. 14.55 to 15.0										
			- 15.0 to 15.34: light grey alt'n possibly hybrid with dike and m.v. 5% diss'd py	12104	15.00	15.34	0.34		4.80				

PROPERTY Rundle Mine	TP OR AREA Newton Twp	AZIMUTH 44° 56'56"	DATE STARTED 19-11-87	CORRECTED DIP TESTS				LOCATION SKETCH OF HOLE
PROJECT 3382	LOT & CONC.	DIP +0°10'59"	DATE COMPLETED 19-11-87					
CLAIM NO.	CO-ORDINATES 1993.833N 2907.664E	LENGTH 16.8	DRILLED BY N. Morissette					
GRID NO. Leg IV		COLLAR ELEV. 3900.294	LOGGED BY C.P. Zorzl					

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS	
FROM	TO								
0.0	5.30		OBJECTIVES:- Alt'd Mafic Volc. - med. grey green f.g. m.g. Structure: slightly sheared	10848	0.0	0.75	0.75	1/2-1	.2
				10849	0.75	1.50	.75	1/2-1	.2
				10850	1.5	2.25	.75	1/2-1	2.13
			Alt'n & Veins: strong pervasive calcite numerous faint narrow calcite veins	10851	2.25	3.00	.75	2-3	5.14
				10852	3.00	3.75	.75	1-2	4.92
				10853	3.75	4.50	.75	1-2	1.17
			Min'n: sections w 3-5% f.g. diss and wispy py overall 1-2% py	10854	4.5	5.3	0.8	1-2	.2
5.30	6.13		Grey Bio F.P. Alt'd Mafic Volc. - as above	10855	5.30	6.13	0.83	tr	.2
				10856	6.13	6.76	0.63	tr	0.69
6.76	9.32		Alt'd Mafic Volc. - med. to dk grey, f.g. mag Structure: highly sheared						
			Alt'n and Veins: 1+. grey ch alt'n minor calcite, strongly silicified						
			- numerous paper thin qc veinlets	10857	6.76	7.25	0.49	5-10	17.31
			- blebs of red alt'd F.P.	10858	7.25	7.70	0.45	2-3	14.93
				10859	7.7	8.45	0.75	1-2	2.06
			Min'n: 2-3% f.g. wispy and diss py						

PROPERTY Rundle	TP OR AREA Newton Twp.	AZIMUTH 46° - 03' - 02" (46.05)	DATE STARTED Nov. 21/87.	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE
PROJECT 3382	LOT & CONC.	DIP -2-10' - 12" (2.17)	DATE COMPLETED Nov. 21/87.				
CLAIM NO.	CO-ORDINATES. 1989.491N 2910.445	LENGTH 15.80 m	DRILLED BY N. Morissette				
GRID NO. Ramp Leg 4		COLLAR ELEV. 3899.290	LOGGED BY REN				

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS			
FROM	TO										
0	5.5		OBJECTIVES:- Pink grey alt'd Porphyry: - med. to coarse grained; pink to pink grey - weak to mod. pink Alt'n pink alt'n ends at 5.15 -weak to mod. magnetic stringer in unaltered zones -strongest alt'n from 0.2 to 1.39 - weak to mod. calcite alt'n Min'n: 2-3% fine diss'd py 0.2 - 0.6 - 1/2 - 1% in general Veining: thin to hairline qtz-carb. veinlets parallel to sub-parallel to LCA cut by younger set 35-40° to LCA.	13480	0	0.6	0.6	2-3%	1.37		
				13481	0.6	1.39	0.79	r-1/2%	1.37		
				13482	1.39	2.32	0.93		0.21		
				13483	2.32	2.88	0.56		2.61		
				13484	2.88	3.62	0.80		0.69		
				13485	3.63	4.36	0.68		0.34		
				13486	4.36	5.50	1.14		0.41		
5.5	12.63		Mafic Volcs: -fine grained, med. to dark green to grey-green -mod. to strongly magnetic t.o. -chloritic and strongly calcitic - minor qtz-carb veinlets, veins and stringers - 10° to 45° to LCM minor silica flooding -2-5% diss'd blebs and stringers pyrite 1 15 mm thick band with 10% pyrite and beige carb alt'n at 9.71.	13487	5.50	6.45	0.95	5-7%	1.51		
				13488	6.45	7.16	0.71		.20		
				13489	7.16	8.10	0.94		.20		
				13490	8.10	8.60	0.50		0.51		
				13491	8.60	9.29	0.67		5.97		
				13492	9.27	10.04	0.77		1.46		
				13493	10.04	10.79	0.75		2.54		
				13494	10.79	11.55	0.76		1.71		
				13495	11.55	12.63	1.08		2.47		

PROPERTY Rundle	TP OR AREA Newton Twp.	AZIMUTH 46° - 03' - 02" (46.05)	DATE STARTED Nov. 21/87.	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE
PROJECT 3382	LOT & CONC.	DIP -2-10' - 12" (2.17)	DATE COMPLETED Nov. 21/87.				
CLAIM NO.	CO-ORDINATES. 1989.491N 2910.445	LENGTH 15.80 m	DRILLED BY N. Morissette				
GRID NO. Ramp Leg 4		COLLAR ELEV. 3899.290	LOGGED BY REN				

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS			
FROM	TO										
0	5.5		OBJECTIVES:- Pink grey alt'd Porphyry: - med. to coarse grained; pink to pink grey - weak to mod. pink Alt'n pink alt'n ends at 5.15 -weak to mod. magnetic stringer in unaltered zones -strongest alt'n from 0.2 to 1.39 - weak to mod. calcite alt'n Min'n: 2-3% fine diss'd py 0.2 - 0.6 - 1/2 - 1% in general Veining: thin to hairline qtz-carb. veinlets parallel to sub-parallel to LCA cut by younger set 35-40° to LCA.	13480	0	0.6	0.6	2-3%	1.37		
				13481	0.6	1.39	0.79	r-1/2%	1.37		
				13482	1.39	2.32	0.93		0.21		
				13483	2.32	2.88	0.56		2.61		
				13484	2.88	3.6 ^a	0.80		0.69		
				13485	3.68	4.36	0.68		0.34		
				13486	4.36	5.50	1.14		0.41		
5.5	12.63		Mafic Volcs: -fine grained, med. to dark green to grey-green -mod. to strongly magnetic t.o. -chloritic and strongly calcitic - minor qtz-carb veinlets, veins and stringers - 10° to 45° to LCM minor silica flooding -2-5% diss'd blebs and stringers pyrite 1 15 mm thick band with 10% pyrite and beige carb alt'n at 9.71.	13487	5.50	6.45	0.95	r-5%	1.51		
				13488	6.45	7.16	0.71		.20		
				13489	7.16	8.10	0.94		.20		
				13490	8.10	8.60	0.50		0.51		
				13491	8.60	9.29	0.67		5.97		
				13492	9.27	10.04	0.77		1.46		
				13493	10.04	10.79	0.75		2.54		
				13494	10.79	11.55	0.76		1.71		
				13495	11.55	12.63	1.08		2.47		

METRES		SECTION	DESCRIPTION					ASSAYS					
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH						
1.90	2.75		Pink Alt'd F.P. -med. grained; pink to pink-grey mottled texture locally -well fractured and infilled ith qtz-carb veins 30 - 40° to LCA mod. to strongly magnetic sparse pyrite	13582	1.90	2.75	0.85		.45				
2.75	4.70		Mafic Volcanics: As 1.35 to 1.90 -1-2% diss'd blebs and wisps of pyrite - no sig't alt'n, veining or min'n - occ dykelet (2-3 cm) of F.P. -strongly magnetic	13583 13584	2.75 4.00	4.00 4.70	1.25 0.70		.17				
4.70	5.42		Grey Hbl'd Feldspar Porphyry: - purplish grey; med. to c.g. - occ speck of pyrite - no sig veining or alt'n -out-contact 75 - 80° to LCA	13585	4.70	5.42	0.72		.20				
5.42	8.1		Feldspar Porphyry - Hybrid: - med. grained; pinkish grey; small patches & wisps of chloritic mafics - rare diss'd py; one 1cm band of 10-20 % diss'd pyrite at 6.7 -out-contact 10-15°	13586 13587 13588	5.42 6.20 7.00	6.20 7.00 8.10	0.78 0.80 1.10		.20 .20 .20				

PROPERTY Rundle Mine	TP OR AREA Newton	AZIMUTH 0.45°	DATE STARTED 6-12-87	CORRECTED DIP TESTS				LOCATION SKETCH OF HOLE
PROJECT 3382	LOT & CONC.	DIP Flat 0	DATE COMPLETED 6-12-87					
CLAIM NO.	CO-ORDINATES. 1985.3N 29210E	LENGTH 11.30 m	DRILLED BY Morissette					
GRID NO.	Sect. 1025SE	COLLAR ELEV. 3896.8m	LOGGED BY C.P. Zorzi					

METRES		SECTION	DESCRIPTION	SAMPLE NO.			ASSAYS		
FROM	TO			FROM	TO	LENGTH			
0.0	0.32		OBJECTIVES:- Alt'd Mafic Volc. -dk grey to black, f.g. magnetic	11446	0.00	0.32	0.32	2-3	0.62
			Alteration & Veins: strongly calcitic w. thin calcite veins						
			Min'n: 2-3% fig. diss py						
0.32	9.25		Grey Bio Slightly alt'd F.P. -minor red alt'd sections	11447	0.32	1.42	1.10	tr	.48
				11448	1.42	1.85	0.43	tr	2.23
				11449	1.85	3.00	1.15	tr	0.89
			Min'n: tr-½% fig. diss py	11450	3.00	4.00	1.0	tr	0.51
				11451	4.00	5.00	1.0	tr	0.24
				11452	5.00	6.00	1.0	tr	.2
9.25	10.5		Red Alt'd AVEP	11453	6.00	6.92	0.92	tr	.2
				11454	6.92	7.60	0.68	tr-½	3.05
			-red, m.g., slightly magnetic	11455	7.60	8.60	1.0	tr	0.31
				11456	8.60	9.25	0.65	tr	1.44
			Structure: highly sheared						
			Alt'n & Veins: mod red alt'n w a few qtz stringers & veinlets	11457	9.25	10.00	0.75	½-1	1.10
				11458	10.00	10.58	0.58	½-1	0.86
			Min'n: tr - ½% fig. py w specks of cp	avg.	6.92	10.58	3.66		1.27

PROPERTY Rundle	TP OR AREA Newton Twp	AZIMUTH 225	DATE STARTED 5-12-87	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE
PROJECT 3382	LOT & CONC.	DIP 0	DATE COMPLETED 5-12-87				
CLAIM NO.	CO-ORDINATES. 1982.6N 291810E	LENGTH 10.2	DRILLED BY N. Morissette				
GRID NO. Ramp Leg iv	Section 1025SE	COLLAR ELEV. 3996.7	LOGGED BY R.E. Norman				

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS					
FROM	TO												
0.0	3.92		OBJECTIVES:- Pink Alt'd Porphyry	11970	0.0	1.38	1.38						
			-pink to pink grey; med. grained;	11971	1.38	2.88	1.50						
			-unaltd grey to 0.53 and from 0.88 to 1.38	11972	2.88	3.70	0.82						
			-generally, minor alt'n and min'n and veining										
			-screen of mix with 3-5% pyrite at 3.7 to 3.8.	11973	3.70	3.92	0.22						
3.92	5.30		Alt'd Mafic Volcanics:										
			-fine grained; grey	11974	3.92	4.32	0.40	5%					
			-mod. to strongly alt'd with 3-5% stringers, veins, blebs and diss'd pyrite	11975	4.32	5.30	0.98	3%					
			-strongly fractured and bx'd and infilled with pinkish beige carb'n	avg.	3.92	5.30	1.38						
				avg.	2.88	5.30	2.42						

PROPERTY	TP OR AREA	AZIMUTH (0.45)	DATE STARTED 5/12/87	CORRECTED DIP TESTS				LOCATION SKETCH OF HOLE
PROJECT	LOT & CONC.	DIP 0°	DATE COMPLETED 5/12/87					
CLAIM NO.	CO-ORDINATES. 1983.3N 2925.9SE	LENGTH 9.70	DRILLED BY					
GRID NO.	Section 1030SE	COLLAR ELEV. 3895 B	LOGGED BY C.P.Zorz)					

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS	
FROM	TO								
0.0	2.74		OBJECTIVES:- Alt'd Mafic Volc. -dk. grey, f.g. mag.	11460	0.0	1.0	1.0	tr	3.19
				11461	1.0	2.0	1.0	tr	1.03
			Structure: sh'd, fractured w 9.8m fault?	11462	2.0	2.74	0.74	tr	.2
			Alt'n & Veins: strongly calcitic w numerous thin calcitic veinlets						
			Min'n: tr py						
2.74	5.45		Grey Bio F.P.	11463	2.74	4.00	1.26	tr	.21
				11464	4.00	5.00	1.00	tr	.21
				11465	5.00	6.00	1.00	tr- $\frac{1}{2}$.41
5.45	8.00		Grey Slightly Alt'd F.P. -grey red, mg. slightly magnetic						
			-Structure: sheared						
			Alt'n & Veins: mod. patches or gradational red alt'n w few qc veinlets	11466	6.00	7.00	1.00	tr	.51
			-chloritic infillings	11467	7.00	8.00	1.00	tr	.45
			Min'n: tr- $\frac{1}{2}$ % f.g. diss py						

PROPERTY	TP OR AREA	AZIMUTH (225°)	DATE STARTED 10/12/87	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE
PROJECT	LOT & CONC.	DIR (00.)	DATE COMPLETED 10/12/87				
CLAIM NO.	CO-ORDINATES. 19805N/29229E	LENGTH 14.10m	DRILLED BY				
GRID NO.	Sect. 1030SE	COLLAR ELEV. 3895.8m	LOGGED BY C.P. Torel				

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS	
FROM	TO								
0.00	3.72		OBJECTIVES:- Alt'd Mafic Volc -med. grey, f.g., magnetic Structure: sh'd Alt'n & Veins: weak lt. grey alt'n w weak to moderate pervasive calcite -numerous paper thin lt. grey qc & calcite veins Min'n: patches diss py up to 1%	2620	0.0	1.00	1.00	tr-1/2	1.10
				2621	1.0	2.0	1.0	tr-1/2	.2
				2622	2.0	2.3	0.3	1/2-1	3.15
				2623	2.3	3.0	0.70	tr-1/2	2.61
				2624	3.0	3.72	0.72	1/2-1	1.71
				avq.	2.0	3.72	1.72		2.33
				avq.	3.72	7.50	3.78		6.40
3.72	8.30		Red Alt'd F.P. Core porphyry -red to beige, m.g., slightly magnetic Structure: sheared Alt'n & Veins: red to beige alt'n w numerous Qtz. veins Min'n: 1-2% fig. diss py	2625	3.72	4.50	0.78	1-2	4.78
				2626	4.50	5.25	0.75	1-2	5.28
				2627	5.25	6.00	0.75	1-2	9.39
				2628	6.00	6.75	0.75	1/2-1	9.33
				2629	6.75	7.50	0.75	tr-1/2	3.26
				2630	7.50	8.30	0.80	tr	0.31
8.30	11.20		Grey Bio F.P.	2631	8.30	9.0	.7	tr	.2
				2632	9.0	10.0	1.0	tr	.2
				2633	10.0	11.0	1.0	tr	.2
				2634	11.0	11.5	.5	tr	.2

PROPERTY	TP OR AREA	AZIMUTH 225.0°	DATE STARTED 13/12/87	CORRECTED DIP TESTS				LOCATION SKETCH OF HOLE
PROJECT	LOT & CONC.	DIP 00°	DATE COMPLETED 13/12/87					
CLAIM NO.	CO-ORDINATES. 1978.35N 2928.00E	LENGTH 19.90 m	DRILLED BY					
GRID NO.	Sect. 1035SE	COLLAR ELEV. 3894.5	LOGGED BY					

METRES		SECTION	DESCRIPTION	ASSAYS						
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH			
0-	1.36		OBJECTIVES:- MaFIC Volcanics: -fine grained, dark grey - green; -calcitic and magnetic -weak carb;d grey alt'd 0.76 to 0.94 with 5% fine diss'd py -generally 1% diss'd pyrite and wisps & steps in fractures locally -minor Qtz-carb veining	2685	0	1.36	1.36	0.38		
				avg.	3.20	8.90	5.7	10.37		
1.36	10.4		Pink Alt'd Feldspar Porphyry: -med. to c.g.; greyish to 2.90 and reddish 7.3 to 9.9 grey to beige grey alt'n with silica flooding and 3-5% diss'd py and pyritic veins from 3.2 to 3.97 Alt'd appears parallel to sub-parallel to L.C.A. - (one porphyry) -weak greyish alt'n with up to 1% pyrite 5.5 to 5.9 -mod. Qtz.-carb veining t.o. 30°	2686	1.36	2.38	1.02	0.2		
				2687	2.38	3.20	0.82	0.2		
				2688	3.20	3.97	0.77	30.58		
				2689	3.97	4.60	0.63	5.77		
				2690	4.60	5.50	0.90	4.94		
				2691	5.50	5.90	0.40	6.86		
				2692	5.90	6.90	1.00	2.13		
				2693	6.90	7.90	1.00	16.49		
				2694	7.90	8.90	1.00	6.10		
				2695	8.90	9.90	1.00	0.27		
				2696	9.90	10.42	0.52	0.2		

PROPERTY Rundle	TP OR AREA Newton	AZIMUTH 235°	DATE STARTED 1/2/87	CORRECTED DIP TESTS				LOCATION SKETCH OF HOLE
PROJECT 3382	LOT & CONC.	DIP -50°	DATE COMPLETED 12/12/87					
CLAIM NO.	CO-ORDINATES. 2010.00N/300980E	LENGTH 99.90	DRILLED BY Morissette					
GRID NO.		COLLAR ELEV. 3877.50m	LOGGED BY REN					

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS					
FROM	TO												
0	22.06		OBJECTIVES:- Ultramafic Volcanics: -dark to med. green; fine grained -talcose calcitic locally -fractured and bx'd strongly car'd and sil to olive green 1.81 to 2.69 with 2-3% diss'd pyrite near massive veins locally -strongly foliated S° to L.C.M. 1.44 to 5.26 -2-3% diss'd fire enhedral pyrite 4.86 - 5.31 -minor spinifex in places 15.07 to 15.75: Lamp Dyke grey-green, minor diss'd py; strongly calcitic										
22.06	25.17		Hbld. Feldspar Porphyry: -fine to med. grained; purplish grey -1/2 to 1% fine diss'd pyrite -no sig't alt'n or veining	4208 4209 4210 4211 avq. 4212	0 1.81 2.69 3.62 1.81 4.86	1.81 2.69 3.62 4.86 3.62 5.31	1.81 0.88 0.93 1.24 1.81 0.45	tr 2-3% tr 0.34 2.60 20	.2 2.88 2.33 0.34 2.60 20				
				4213 4214 4215 4216	22.06 22.86 23.75 24.24	22.86 23.75 24.24 25.17	0.80 0.89 0.49 0.93		.21 .20 .20 .2				

METRES		SECTION	DESCRIPTION					ASSAYS					
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH						
25.17	62.81		Ultramafic Flows:										
			-dark to light green fine grained										
			Ex'd in places and infilled by dark green chlorite; talcose generally										
			36.68 to 38.90: Hbl'd Feldspar Porphyry	4217	36.68	37.32	0.64			.2			
			fine grained, purplish	4218	37.32	38.32	1.00			.2			
			1/2% diss'd and blebs of pyrite	4219	38.32	38.90	0.58			.2			
			t.o. moderately calcitic										
			also minor dykes 51.90 to 52.50										
			-strong spinifex textures 59.4 to 62.0										
62.81	79.21		Feldspar Porohyry	avg	62.81	78.98	17.34			.28			
			-fine to med. grained, purplish to greyish	4220	62.81	63.81	1.00			.2			
				4221	63.81	64.71	0.90			.2			
				4222	64.71	65.47	0.76			.2			
			-fine grained with greyish patches of volcanics (hybrid) to 65.47 with minor blebs of py	4223	65.47	66.12	0.65			.21			
				4224	66.12	67.58	1.46			.27			
			-pink alt'd (one porphyry) at 78.98 to 79.21 with weak silica flooding and qtz. carb veining minor diss'd	4225	67.58	69.05	1.47			.20			
				4226	69.05	70.51	1.46			.2			
				4227	70.51	71.95	1.44			.2			
				4228	71.95	73.49	1.54			0.48			
				4229	73.49	74.91	1.42			.20			
			pyrite	4230	74.91	76.38	1.47			.2			
				4231	76.38	77.06	0.68			.45			
			-generally no sig't min'n or veining	4232	77.06	77.81	0.75			.27			
				4233	77.81	78.98	1.17			.48			
			-mafie volcanics with 1% diss'd and blebs of pyrite 76.38 to 77.06	4234	78.98	79.21	0.23			4.70			

METRES		SECTION	DESCRIPTION				ASSAYS					
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH					
79.21	82.00		Mafic Volcanics:									
			-fine grained; dark grey green	1235	79.21	80.00	0.79	1%	1.71			
				4236	80.00	80.78	0.78	1%	.72			
			-calcitic to 86.73 then becomes	4237	80.78	82.00	1.22	1-3%	4.70			
			light grey alt'n and non-calcitic to									
			82.00 with up to 3% pyrite as									
			blebs in qtz.-carb veinlets infilling									
			fractures									
			-generally weak alt'n and min'n	avg.								
				79.21	83.15	3.94		2.18	2.78			
				avg.	83.15	85.04	1.89		6.28			
				avg.	80.78	85.04	4.26		4.36			
82.00	99.90		Alt'd Feldspar Porphyry:	4238	82.00	83.15	1.15		0.82			
			-fine to med. grained, pink to pink	4239	83.15	83.71	0.56		6.65			
			grey reddish locally	4240	83.71	84.30	0.59		1.78			
			-bands of grey to pink-grey hybrid									
			mafics in places to 94.99									
			-84.30 to 85.04: one porph alt'n, poor	4241	84.30	85.04	0.74		9.60			
			greyish hue; siliceous beige carb									
			alt'n along brecciated and fractured	4242	85.04	85.81	0.72		.38			
			zones; sericitic locally; weak									
			diss'd pyrite (1/2 %) generally up to	4243	85.81	86.81	1.00		.33			
			1% locally	4244	86.81	87.92	1.11		.2			
				4245	87.92	88.92	1.00		.2			
				4246	88.92	90.87	1.95		.2			
			-5% qtz.-carb vein 30 to 50° to L.C.M.	4247	90.87	91.87	1.00	72	.72			
			t.o.	4248	91.87	92.87	1.00		.2			
				4249	92.87	93.82	1.00		.2			
			-94.99 to 99.90: good pink alt'n	4250	93.82	94.99	1.17		.38			
			porphyry; salmon pink minor	4251	94.99	95.99	1.00		.48			
			siliceous bands with diss'd pyrite but	4252	95.99	96.99	1.00	.21	.21			
			generally sparse py	4253	96.99	97.99	1.00		1.03			
				4254	97.99	98.99	1.00		.55			
				42655	98.99	99.90	0.91		10.2			
				avg	85.04	99.90	14.91		.37			

PROPERTY Rundle	TP OR AREA Newton Twp.	AZIMUTH 225°44'56" (225.75)	DATE STARTED 1-12-87	CORRECTED DIP TESTS		LOCATION SKETCH OF HOLE
PROJECT 3382	LOT & CONC.	DIP -16%10'20' (+16.17)	DATE COMPLETED 3-12-87	depth	dip type test	
CLAIM NO.	CO-ORDINATES 2002 .492N/3030.019E	LENGTH 95.46m	DRILLED BY N. Morissette	95 .46	-16 acid	
GRID NO. A. South Zo e Subdrift		COLLAR ELEV. 3878 .147m	LOGGED BY R. Norman			

METRES		SECTION	DESCRIPTION	SAMPLE NO.			ASSAYS		
FROM	TO			FROM	TO	LENGTH			
0	5.17		OBJECTIVES:- Min'n Zone ('A' - South Zone) - 0-2.42: Alt'd Mafic Volc. & Quartz: highly sheared and brecciated and 9% quartz and silicified grey remnants of mafic from 0 to 0.78 and 1.88 to 2.42 at 70% altered mafics 0.70 to 1.88 with 30% qtz-carb veining; mafics highly carb to dark oli ve green to green grey; p rite generally weak but 1 to 2% in qtz-rich zo e from 1.88 to 2.42: highly foliated 45° to L.C.A.	11783	0	0.78	0.78	3.43	
				11784	0.78	1.88	1.10	1.41	
				11785	1.88	2.42	1.54	7.51	
			2.42 to 2.89: highly fractured and brecciated and completely silicified and alt'd rocks with beige carb'n fragments 1-2% sulphides in places (mostly in beige-greenish altd sections)	11786	2.42	2.89	0.47	1.06	0.50
			2.89 + 3.36: gradatio al from previous strongly brecciated oli ve - green carb alt'n and silicified healed by qtz-carb in-filling; 2-3% fine dissol ved py	11787	2.89	3.36	0.47	4.7	
				avg.	0.0	3.36		5.51	*

METRES		SECTION	DESCRIPTION					ASSAYS					
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH						
			3.36 to 3.80: completely silicified pale grey and white white feldspar phenos in places -alt'n porphyry; brecciated and intruded by white qtz. fragments carb'd and light beige-green weakly min' with alt'n diss'd or blebs of pyrite; dark grey hematitic with 1 to 2% py at 3.70 to 3.80	11788	3.36	3.80	0.44		.58				
			3.80 to 4.62: fine grained highly carb'd and siliceous olive green to mauve 1 to 3% pyrite; completely altered rock	11789	3.80	4.62	0.82		2.43				
			4.62 to 5.17: Intensity alt'd and silicified, light grey, F.P.? with 2-3% pyrite to 4.88 Intensely brecciated, dark grey with beige to cream cherry fragmented and 2 to 3% fine diss'd py	11790	4.62	5.17	0.55		0.69				
5.17	5.53		Sulphide Chert Horizon: -70% primary pyrite as bands + layers and grey cream and olive green chert bands	11791	5.17	5.53	0.36		1.37				

METRES		SECTION	DESCRIPTION					ASSAYS					
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH						
5.53	5.93		Chert: Dark grey to light grey; intensely brecciated, irregular layering and bands 1/2 - 1% diss'd and bands of pyrite	11792	5.53	5.93	0.40		.20				
5.93	6.38		Argillite- Greywacke: - variegated green; brecciated locally; - weak to strongly calcitic - maybe alt'd volcanic to 6.89 - up to 1% diss'd pyrite locally t.o.	11793	5.93	6.89	0.96		.20				
				11794	6.89	7.39	0.50		.21				
6.33	32.85		Ultramafic to Mafic Flows: - fine grained; spinifex in sections; dark to med. green bx'd locally; talcosed in darker green sections - fragment veins and wisps of pyrite filling fractures from 18.99 to - particularly abundant diss'd and lines of pyrite from 23.08 25.09 in fine grained; light green altered volcanics - fine grain d black mudstone 31.09 to 31.32 with 10-20% patches and veins of massive py	11795	22.22	23.08	0.86		0.2				
				11796	23.08	23.54	0.46		0.2				
				11797	23.54	24.36	0.82		0.2				
				11798	24.36	25.09	0.73		0.2				
				11799	31.09	31.32	0.23		0.2				

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS				
FROM	TO											
33.96	35.22		Alt'd Mafic Volcanics: -fine grained: purplish-grey -strongly calcitic -highly sheared and fractured and healed by qtz calcite; foliation 95 to 70 up to 1% fine diss'd py locally	11803	33.96	35.22	1.26	6.2				
35.22	35.77		Feldspar Porphyry: - med. grained: purplish grey; - minor veining; 1/4 - 1% fine diss'd py.	11804	35.22	35.77	0.55	.2				
35.77	36.65		Alt'd mafic Volcanics: As above 33.96 to 35.22; red-brown alt'n locally -pinkish cherty alt'n at 35.71 to 35.81 with pinkish cherty bands and veins and patches of massive pyrite - 1-2% diss'd py locally associated w qtz, cal. in fractures	11805	35.77	36.65	0.88	.2				
36.65	36.96		Feldspar Porphyr: - purplish grey; med. grained no sig't min'n	11806	36.65	36.96	0.31	.2				

METRES		SECTION	DESCRIPTION				ASSAYS						
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH						
36.96	41.17		Mafic Dikes:										
			-predominantly fine grained diabase dikes (with chilled contacts)		36								
			green to dark green with patches dark purplish alt'n locally;										
			weakly to mod. fractured and healed with sh - calcite veining;										
			weak diss'd pyrite and minor pyrite										
			in qtz. veins locally moderately magnetic; near massive diss'd pyrite at 37.37 to 37.31	11807	36.96	37.37	0.41				.2		
			-several screens of light green mafic volcanics t.o.	11808	37.37	38.34	0.97				.2		
			Two screens of thinly laminated variegated green layered argillitic cherty sediments at 39.76	11809	38.34	38.87	0.53				.2		
			to 39.84 with bands of massive pyrite and again at 40.95 to 41.17	11810	38.87	39.42	0.55				.2		
			with thin bands of pyrite	11811	39.42	39.84	0.42				.2		
			-purplish grey, fig. F.P. at 38.87 to 39.42	11812	39.84	40.95	1.11				.2		
			- see wisps and patches of diss'd py t.o.	11813	40.95	41.17	0.22				.2		
41.17	44.96		Feldspar Porphyry										
			- med. to coarse grained, pinkish grey with bands of pink alt'n t.o.	11814	41.17	42.14	0.97				.2		
			red alt'd sections to 41.79 to 42.14	11815	42.14	42.86	0.72				.2		
			-occ minor diss pyrite; minor qtz. carb veining	11816	42.86	43.61	0.75				.2		
			see minor diss'd pyrite; minor qtz. carb veinin g	11817	43.61	44.96	1.35				.2		

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS				
FROM	TO											
55.94	57.12		Alt'd Mafic Volcanics: -fine grained grey to grey green - non calcitic -highly fractured and carbonated -up to 1% diss'd and blebs of pyrite	11830	55.94	57.12	1.18	.2				
57.12	58.92		Hybrid - Mafics and I.P.: -fine grained, siliceous -variegated hues of pinks, browns beige and greys -highly sheared -grey schisty at out contact -no min'n	11831	57.12	57.87	0.75	.2				
				11832	57.87	58.92	1.05	.2				
58.92	61.57		Alt'd Mafic Volcanics: -fine grained; light grey to grey -light grey alt'n to 60.10 with beige alt'n along this shears and 1 to 2% diss'd and veinlets of pyrite locally -green grey and minor py beyond 60.10	11833	58.92	59.32	0.40	.3				
				11834	59.32	60.10	0.82	.2				
				11835	60.10	60.59	0.49	.54				
				11836	60.59	61.57	0.98	.2				

METRES		SECTION	DESCRIPTION				ASSAYS					
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH					
66.51	67.65		Grey Bio F.P. -no significant min'n or alt'n	11839	66.51	67.65	1.14	tr	1.68	1.92		
67.65	79.03		Red Alt'd F.P. pink to red m.g. slightly magnetic	11840	67.65	68.0	0.35	tr-½	1.02			
				11841	68	69	1	tr-½	1.68			
				11842	69	70	1	tr-½	1.26			
			Structure: highly sheared	11843	70	71	1	tr-½	1.64			
			Alt'n & Veins: lt. red alt'n throughout becomes	11844	71	72	1	tr-½	0.51			
			more intense here and there	11845	72	73	1	tr-½	0.99			
			-numerous paper thin to lcm qc.	11846	73	74	1	tr-½	0.58			
			veinlets usually at 10 - 20° T.C.A.	11847	74	75	1	tr-½	.2			
			-slightly biotitic in places	11848	75	76	1	tr-½	.48			
				11849	76	77	1	tr-½	.24			
			-slightly to moderately sericitic	11850	77	78	1	tr-½	.58			
			Min'n: tr-½% fig. diss. py and tr f.g. c.p.	11851	78	79	1	tr-½	.89			
				avg.	66.51	7.10	4.49		1.53			
79.03	81.43		Grey Bio F.P.	11852	79	80	1	tr	.41			
			as above 66.51 to 67.65	11853	80	81	1	tr	.2			
81.43	82.34		Lamp Dyke	11854	81	82	1	tr	.2			
				11855	82	83	1	tr	.2			

Property	TP. or Area	Azimuth	Date Started	Corrected Dip	Tests	Location sketch
Rundle Mine	Newton Twp	224.52	?/12/87	depth	dip test	
Project	Lot. & Conc.:	Dip	Date Completed			
3382		56.02	10/12/87	78	-56 acid	
Claim No.	Co-ordinates:	Length	Drilled By:	125.94	-56 acid	
	2010.0 N	125.94	N Morissette Can.			
Grid No.	3009.1 E	Collar Elev.	Logged By:			
		3878 m	C.P.Zorzi			

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS Au g/t
From	To							

OBJECTIVES:-

0.0	3.35	COARSE GRAINED ULTRA-MAFIC DYKE (LAMP?) -brown to black, mg to cg non-magnetic; slight fo'n at about 30', very blocky; mod. amt of calcitic veins						
3.35	7.93	T.C.C.S. -green to black, f.g, soft, talcose, slightly magnetic; highly sheared; numerous wispy calcitic veinlets; trace Py	11471 11472 11473 11474 11475	3.35 4.0 5.0 6.0 7.0	4.00 5.0 6.0 7.0 7.93	0.65 1.0 1.0 1.0 0.93	tr tr tr tr tr	<.20 <.20 <.20 12.17 <.20
7.93	25.00	POLYHEDRAL JOINTED ULTRA-MAFIC -dk green, f.grained, non-magnetic; good jointing and minor spx; wispy calcite infillings; nil to trace pyrite;						
25.00	29.50	GREY BIOTITE FELDSPAR PORPHYRY (HBLD PORPHYRY DYKE) -grey purple, f.grained, with sparse m.grained subhedral fsp's; 5-10% hbl; massive; few 1-2mm calcitic veins; trace pyrite;						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
29.50	48.95	POLYHEDRAL JOINTED ULTRA-MAFIC as above						
48.95	52.20	HBLD FSP PORPHYRY (DYKE) as above 25.00-29.50						
52.20	56.30	MASSIVE ULTRA-MAFIC FLOW -dk green to black, f.grained, non-magnetic; massive, slightly fractured; few thin lt grey calcite veins; trace pyrite						
56.30	58.50	HBLD FSP PORPHYRY (LAMP DYKE) as above						
58.50	60.70	MASSIVE ULTRA-MAFIC -as above but slightly foliated at about 30'						
60.70	61.18	RED ALTERED FELDSPAR PORPHYRY AND ALTERED MAFIC VOLCANIC -red to med grey, m.grained to f.grained; slightly magnetic; sheared and bx'd; brick red altn and minor lt grey cb altn; tr-.5% f.grained diss and wispy pyrite	11476	60.70	61.18	0.48	tr-.5	<.20
61.18	62.16	RED ALTERED FELDSPAR PORPHYRY -red, m.grained, slightly magnetic; sheared weak red altn chloritic infillings with numerous thin lt grey qc veinlets; trace f.g. diss pyrite	11477	61.18	62.16	0.96		0.45
62.16	65.23	ALTERED MAFIC VOLCANIC -med grey, f.grained, magnetic; sheared; weak lt. grey cb altn, minor pervasive calcite; mod amt. lt. grey qc and calcite veins; patchy and diss f.grained pyrite 1-2% over all.	11478 11479 11480 11481	62.16 63.0 63.4 64.56	63.0 63.4 64.56	0.84 0.4 1.16 0.67	.5-1 2-3 tr-.5 1-2	<.20 <.20 <.20 <.20
65.23	67.40	RED ALTERED FELDSPAR PORPHYRY -as aboe; stronger sericitization; tr-.5% f.g. diss Py	11482 11483 11484	65.23 66.00 67.00	66.00 67.00 67.40	0.77 1.0 0.4	tr-.5 tr-.5 tr-.5	<.20 0.27 <.20

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
67.40	80.90	GREY BIOTITE FELDSPAR PORPHYRY	11485	67.40	68	0.6	tr	<.20
		-as above but slight red altn (weak); tr pyrite	11486	68	69	1	tr	<.20
			11487	69	70	1	tr	<.20
			11488	70	71	1	tr	<.20
			11489	71	72	1	tr	<.20
			11490	72	73	1	tr	<.20
			11491	73	74	1	tr	<.20
			11492	74	75	1	tr	<.20
80.90	86.29	RED ALTERED FELDSPAR PORPHYRY (ORE PORPHYRY)						
		-red to beige, m.g., magnetic; sheared; various	9852	80.90	82	1.10	tr-.5	<.20
		degrees of red beige altn; over all tr-.5% f.g.	9853	82.0	83	1.0	tr	0.51
		diss pyrite with local sections up to 5%;	9854	83.0	83.72	0.72	1-2	12.45
		mafic inclusion 83.72-83.88	9855	83.72	83.88	0.16	1-2	4.90
		85.80-86.29	9856	83.88	85.00	1.12	.5-1	2.57
			9857	85.00	85.80	0.80	2-3	5.04
			9858	85.80	86.29	0.49	2-3	11.04
			9859	86.29	86.58	0.28	tr	0.79
			9860	86.58	86.81	0.23	tr-.5	0.34
			AVG	83.0	86.29	3.29		6.71
86.29	88.47	SERICITIZED FELDSPAR PORPHYRY						
		-med. green; mg, magnetic, bio'c; tr pyrite	9861	86.81	88.00	1.19	tr	0.45
			9862	88.00	89.00	1.0	tr	<.20
88.47	90.39	GREY BIOTITE FELDSPAR PORPHYRY	9863	89.00	90.39	1.39	tr	<.20
90.39	94.44	GREY RED SLIGHTLY ALTERED FELDSPAR PORPHYRY	9864	90.39	91.00	0.61	tr	0.27
		-varying degrees of pk rede altn; shot through	9865	91.00	92.00	1.0	tr	0.24
		in place with qtz; green -blk chl infilling; tr	9866	92.00	93.00	1.0	tr	<.20
			9867	93.00	94.00	1.0	tr	<.20
			9868	94.00	94.44	0.44	tr	<.20
			AVG	86.29	94.44	8.15		0.27
94.44	109.95	GREY BIOTITE FELDSPAR PORPHYRY						
109.95	110.78	LAMP DYKE						
110.78	117.85	GREY BIOTITE FELDSPAR PORPHYRY						
117.85	119.40	MATRIX DOMINANT FELDSPAR PORPHYRY (DYKE)						
119.40	125.94	FRESH BIOTITE FELDSPAR PORPHYRY						
	125.94	END OF HOLE						
		Notes: JVA AQ Core; whole core sampled						

PROPERTY	TP OR AREA	AZIMUTH 227°14'40" (227.24)	DATE STARTED ? '12 87	CORRECTED DIP TESTS		LOCATION SKETCH OF HOLE
PROJECT	LOT & CONC.	248°31'11" (+48-51)	DATE COMPLETED 5/12/87	depth	dip	
CLAIM NO.	CO-ORDINATES. 2002 714N/30.30 224E	LENGTH 130.06	DRILLED BY	130.06	-49 acid	
GRID NO.		COLLAR ELEV. 3877.381	LOGGED BY A. Soever & R. Norman			

METRES		SECTION	DESCRIPTION	SAMPLE NO.			ASSAYS			
FROM	TO			FROM	TO	LENGTH				
0.0	1.10		OBJECTIVES:- Talc Chlorite Carbonate Schist -dark green fg T.C.C.S.	11880	0	1.10	1.10	1.5	*	
				11881	1.10	1.93	0.73	3.50	**	
				11882	1.83	2.50	0.67	2.98	**	
			Structure well foliated at 45-50° T.C.A. numerous stringers calcitic-qtz.	11883	2.50	3.30	0.80	3.08	**	
			veins - qtz. veined section 0.13-0.43	11884	3.30	4.10	0.80	0.62	**	
			- min - tr py	11885	4.10	4.94	0.84	1.85		
			Remarks: brok blocky core	A vg.	1.10	3.3	2.2	3.19		
1.10	4.94		Siliceous highly altered OV F.P. -grey highly fractured altered q v F.P. Alt'n - ver siliceous, shattered shot thru with q vs. - very little remnant original textu e pale green sericitized sections 1.10-1.83, 3.30-4.10 4.35 - 4.94 Min- 5-6% vfg to fg diss py with sericitized sections 1-2% less altered with veining sections -blebs submassi ve py 4.80 - 4.94 as approach next unit							
4.94	9.28		Siliceous Exhalite - med. to pale grey green banded siliceous exhalite	11886	4.94	5.44	0.50	0.86		
				11887	5.44	6.14	0.70	0.34		
			Alt'n - stringers and pale grey stringery patches of carbonate throughout- both calcitic & locally dolomitic	11888	6.14	7.14	1.00	0.58		
				11889	7.14	8.14	1.00	0.20		
				11890	8.14	9.28	1.14	.24		
			Structure - well banded at 45° T.C .A. Min'n - bands submassive py 4.94 - 5.44 - tr - 1% in rest of unit							
			Remarks: dacite dyke 5.59 - 5.99 , 6.10 - 6.17							

METRES		SECTION	DESCRIPTION					ASSAYS					
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH						
53.00	53.90		Grey Weakly Altered Hbde F.P. -grey m.g. weakly altd hbde F.P. -5-10% chloritic hornblende Altn faint relect feldspar porphyroblasts Min. 1-2% f.g. diss py	11896	53.00	53.90	0.90				.2		
53.90	54.95		Exhalite -red to grey green fg. firmly bonded siliceous exhalite Structure - well bedded at 30-35° T.C.A. Alteration - red hematitic 53.90-54.50 Min. - patc es & stringers of f.g. py throughout - est 2-3% py	11897	53.90	54.95	1.05				.2		
54.95	56.30		Altered Mafic Volcanics -m.g. med. green f.g. altd mafic volcanics Altn - highly calcitic 1-2% fg. hairline fractures healed with calcite 55.2-55.8 intensely altd section highly calcitic, silicified, sericitic - 1% f.g. diss py cts of altd unit sharp at 60° T.C.A. Min - 1% diss py in altd section 55.20 - 55.80 tr py est.	11898	54.95	55.20	0.25				.2		
				11899	55.20	55.80	0.60				0.24		
				11900	55.80	56.30	0.50				< 0.2		
56.30	59.52		Remarks: narrow dyke red altd F.P. 56.13 - 56.30 Mafic Volcanics: -med. greenish grey f.g. mafic volcs, -altn. - calcitic few fine fractures healed with calcite -quite calcitic -intensely altd section 58.70 - 58.87 with narrow dyke red altd F.P. 58.73 - 58.77 Min - faint trace fg. diss py locally assoc with calcite fractures	11901	56.30	57.30	1.00				.2		
				11902	57.30	58.30	1.00				.2		
				11903	58.30	59.52	1.22				.2		

PROPERTY	TP OR AREA	AZIMUTH 045°	DATE STARTED 16/12/87	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE
PROJECT	LOT & CONC.	DIP 00°	DATE COMPLETED 16/12/87				
CLAIM NO.	CO-ORDINATES. 1978.50N3935.05E	LENGTH 14.01m	DRILLED BY				
GRID NO.	Sect. 1040SE	COLLAR ELEV. 3994.8	LOGGED BY R.E.A.				

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS			
FROM	TO										
0	4.12		OBJECTIVES:- Mafic Volcanics: -dark green to green-grey, fine gr'd	9836	0	1.64	1.64	0.2			
			- no sig't alt'n, frequent blebs and diss'd by; minor qtz-carb veinlets	9837	1.64	3.04	1.40	0.2			
			-strongly calcitic and magnetic	9838	3.04	4.12	1.08	.2			
4.12	4.22		Feldspar Porphyry:								
4.22	4.35		Lamprophyre dike:								
4.35	5.37		Alt'd Mafic Volcanics: -fine grained; light grey with brownish bx'd bands to 4.72 highly bx'd and cut by white grey qtz veins 20° to L.C.M. from 4.72 to 5.37 with 3-5% diss'd pyrite; veins thicker than core	9839	4.12	4.72	0.60	0.2			
				9840	4.72	5.37	0.65	6.72			
5.37	8.91		Feldspar Porphyry: -med. grained; purplish grey, pinkish to reddish bands locally -abundant qtz. veining with 1/2% diss'd pyrite in places 6.13 to 6.73	9841	5.37	6.13	0.76	0.2			
				9842	6.13	6.73	0.60	3.39			
				9843	6.73	7.57	0.84	0.34			
				9844	7.57	8.91	1.34	0.2			
				avg.	4.72	6.73	2.01	3.19			

PROPERTY	TP OR AREA	AZIMUTH 225°	DATE STARTED 13/12/87	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE
PROJECT	LOT & CONC.	DIP 0°	DATE COMPLETED				
CLAIM NO.	CO-ORDINATES. 1975.75N 2932.30E	LENGTH 20.90 m	DRILLED BY				
GRID NO.	Sect. 1040 SE	COLLAR ELEV. 3893.30	LOGGED BY				

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS					
FROM	TO												
0	1.14		OBJECTIVES:- Mafic Volcanics: -fine grained, grey -weakly altered and min'n with diss'd pyrite along thin veins and fractured locally -abund thin hairline veinlets of qtz. calcite -calcitic and magnetic	4256	0	1.14	1.14						
1.14	20.9		Red Alt'd Feldspar Porphyry Med. grained to c.g., red to pink-red -pinkish alt'n 9.3 to 10.3 with minor pyrite -minor qtz-carb 30° to L.C.M. -grey to pink-grey 15.37 to 19.5 -generally no sig'n min'n alt'n or veining	4257	1.14	2.10	1.0						
				58	2.10	3.10	1.0						
				59	3.10	4.10	1.0	1.41					
				60	4.10	5.02	0.9						
				61	5.02	5.80	0.78						
				62	5.80	6.80	1.0						
				63	6.80	7.80	1.0						
				64	7.80	8.80	1.0						
				65	8.80	9.32	0.5	2.09					
				66	9.32	10.30	1.0						
				67	10.3	11.30	1.0						
				68	11.30	12.30	1.0						
				69	12.30	13.20	0.9						
				70	13.20	14.37	1.17						
				71	14.37	15.37	1.0						
				72	15.37	16.37	1.0	0.20					
				73	16.37	17.37	1.0						

PROPERTY	TP OR AREA	AZIMUTH 225°	DATE STARTED 16/12/87	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE
PROJECT	LOT & CONC.	DIP 00°	DATE COMPLETED 16/12/87				
CLAIM NO.	CO-ORDINATES. 1973 8N 2937.4E	LENGTH 9.50 m.	DRILLED BY				
GRID NO.	Sect. 1045 SE	COLLAR ELEV. 3892.0	LOGGED BY REM				

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS				
FROM	TO											
0	6.86		OBJECTIVES:- Feldspar - Porphyry: - med. to coarse grained; red, grey alt'n red-grey mottled textured	12481	0.0	0.80	0.80		.21			
				12482	0.80	1.80	1.00		.2			
				12483	1.80	2.80	1.00		1.82			
			bands of weak pink alt'n in places with beige carb and clots of sericite and minor py alt'n appears at 45° L.C.M.	12484	2.80	3.80	1.00	0.48				
			- mod. abund. of milky white	12485	3.80	4.90	1.10		.20			
			qtz.-carb veins 40-50° to L.C.M.	12486	4.90	5.90	1.00		.62			
			-generally sparse pyrite min'n	12487	5.90	6.86	0.96		1.65			
6.86	8.78		Pink Alt'd Porphyry: - ore porphyry - mod. min'n generally -fractured and alt'd to grey-beige with 1 to 2% diss'd pyrite; this alt'n is in bands w to 15 cm thick separated by 30% red alt'n bands with lesser pyrite; sericitic: - min atz-carb veining, generally but mostly in alt'd bands	12488	6.86	7.64	0.78		4.39			
				12489	7.64	8.10	0.46		8.78			
				12490	8.10	8.47	0.37		31.95			
				avg.	6.86	-9.50	2.64		9.44			

METRES		SECTION	DESCRIPTION					ASSAYS					
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH						
35.64	36.98		Mafic Lamp Dyke -med. green m.g. dyke - calcitic -15-20% hbde-10% biotite 1-2% f.g. diss py										
36.98	38.43		Ultramafic Volcanics: -as from 18.70 to 33.22										
38.43	40.75		Mafic Lamp Dyke -as from 35.64 - 36.98										
40.75	47.83		Spinifex U.M. -massive to spinifex u.m. - dark grey green -mod. magnetic - calcitic -few narrow stringers calcite										
47.83	48.70		Lamp Dyke -brown well foliated lamp dyke -10-15% biotite very calcitic 2-3% f.g. diss py 48.09 - 48.20 bed of T.C.C.S. at 70° T.C.A.										
48.70	50.20		Hybrid Rock - red alt'd F.P. - quite calcitic - non-magnetic -partially assimilated inclusions of mafic volcanics 48.70 - 49.00, partially assimilated mafic volcs & pyrite extralike 49.67 - 50.20	11418	48.70	49.00	0.30	3-5	.2				
			Min. 3-5% diss py w assimilated volcanic tr py in F.P. 49.0 - 49.67	11419	49.00	49.67	0.67	tr	.2				
			-5-9% is extralite 49.67 - 50.20	11420	49.67	50.20	0.53	5-7	.2				

METRES		SECTION	DESCRIPTION					ASSAYS			
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH				
82.24	93.51		Pink Alt'd Porphyry:	Avg.	82.24	83.49	1.25		3.77		
			-pink grey to 84.37 with bands of m. v. to 83.14;								
			-strong qtz-veining at 20° to L.C.A., with 3-5% diss'n & blebs of pyrite 82.24 to 82.49; in F.P. and M.V.	11932	82.24	82.49	0.25		7.88		
				11933	82.49	83.49	1.00		2.74		
				11934	83.49	84.37	0.88		.41		
			Red alt'd 84.37 to 85.31 with ½ to 1% fine diss'd pyrite and clots of sericite	11935	84.37	85.31	0.94	½-1%	.99		
				avg.	83.49	85.31	1.92		0.71		
			-pale pink alt'n (one porphyry alt'n) from 95.31 to 86.19 with weak silica flooding and white qtz veins 30° and sub-parallel to C.C.A.; also minor beige-grey carb alt'n 5° to L.C.A. in shears 1-1 fine diss'd pyrite	11936	85.31	86.19	0.83	1%	3.12		
			-red alt'd 86.19 to 87.60 with 5% qtz-carb veining dominantly 30° to 45° to L.C.A., ½ - 1% diss'd pyrite to 86.83; 1% diss'd pyrite locally 86.83 to 87.60 with very weak siliceous and sericite alt'n.	11937	86.19	86.83	0.64		1.64		
				11938	85.83	87.60	0.77		2.50		
				a vg.	85.31	92.83	7.52		2.25		
			-87.60 - 91.42: grey to pink grey porphyry with thin bands of pink alt'n and qtz veining up to 10 cm; up to 1% pyrite in these bands but generally section weakly min'n and alt'n.	11939	87.60	88.35	0.75	½-1%	2.57		
				11940	88.35	89.06	0.71	½-1%	1.40		
				11941	89.06	89.89	0.83	½-1%	3.12		
				11942	89.89	91.42	1.53		1.59		
			-91.42 - 93.51 pale pink alt'n core porphyry alt'n with weak to med. alt'n of beige and grey carb'n and alt'n by white qtz veining 30° to L.C.A. Generally ½ - 1% fine diss'd pyrite	11943	91.42	92.03	0.61	½-1%	3.39		
				11944	92.03	92.83	0.80	"	1.47		
				11945	92.83	93.51	0.68	"	14.67		
				a vg.	85.31	92.83	8.20		3.2		
				avg.	85.31	91.42	6.11		2.23		
				a vg.	91.42	93.51	2.09		6.33		

PROPERTY Ru dle	TP OR AREA Newton Twp	AZIMUTH 204, 24'49" (204.41)	DATE STARTED Nov. 26, 1987.	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE
PROJECT 3382	LOT & CONC.	DIP -37°53'35" (+37.89)	DATE COMPLETED Nov. 28, 1987.	depth	org	dip type test	
CLAIM NO.	CO-ORDINATES 200Z.42N/3030.358E	LENGTH 122.4	DRILLED BY N. Morissette	61	-42	acid	
GRID NO. 33N subdrift East		COLLAR ELEV. 3877.459	LOGGED BY REM	122	-39	acid	

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS		
FROM	TO							%Py	Au gt	Ag g/T
0	1.13		OBJECTIVES:- Alt'd Mafic Volcanics: -strongly alt'd to light green grey -20-25% Qtz-carb veins at 70-80° to C.C.A. - parallel to foliation Qtz veins up to 10 cm in thickness -generally minor pyrite min -intensely sheared; brecciated locally	13648	0	0.58	0.58	tr	0.82	1.6
				13649	0.58	1.13	0.55		0.65	1.8
1.13	3.94		Alt'd mineralised zone ('A' South Zone) 1.13 to 1.35: strongly siliceous Qtz veined zone grey silicification, fractured +bx'd and cut by grey-white quartz; Also light green beige carb'n fragments. 3-5% large blebs of py.	13650	1.13	1.35	0.22		39.60	7.6
			1.35 to 1.95: light beige green highly silicified and carbonated; fractured and in-filled with blebs, wisps and stringers of quartz-carbonate	13651	1.35	1.95	0.60		14.19	2.4
			2-3% fine diss' pyrite	a vg.	1.13	1.9	0.82		21.01	

METRES		SECTION	DESCRIPTION					ASSAYS					
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH						
			1.83 to 3.24: cont'd										
			1.95 to 3.84: light grey highly siliceous and carbonated zone with intense silica flooding; blotchy white-grey texture generally;										
			Mod. beige-green alt'n as above from 2.56 to 3.40										
			Pyrite Min'n:										
			1.95 to 2.56 1% py as blebs, diss'd and stringers along fractures and quartz veins	13652	1.95	2.56	0.61		1.97	1.6			
			2.56 to 3.40: 1-3% fine diss'd pyrite and blebs	13653	2.56	3.00	0.44		0.82	0.8			
				13654	3.00	3.40	0.40		1.44	0.6			
				avg.	1.95	3.40	1.45		1.47				
			3.40 to 3.84: trace to 2% locally contorted veinlets of pyrite 3.79 near out-contact possible fine v.g at 3.72	13655	3.40	3.84	0.44		28.94	4.2			
				avg.	1.13	3.84	2.71		11.84				
3.84	4.19		Banded Chert-Sulphide Zone:										
			-interbanded grey, beige and olive green chert and massive primary pyrite bands up to 2.5 cm. in thickness: bands are thinly laminated and 45-55° to L.C.A. Minor Qtz-calcite veining.	13656	3.84	4.19	0.35		2.26	2.6			

METRES		SECTION	DESCRIPTION					ASSAYS				
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH					
4.19	4.74		Banded Chert: Interbanded thinly laminated dark grey to black, to light grey and cream bands. Brecciated & sheared with olive-green alt'n and minor qtz-veining locally, up to 2% fine diss'd pyrite in alt'n zones.	13657	4.19	4.74	0.55		0.38	0.4		
4.74	5.25		Diabase Dike: -green to grey green, massive; fine-grained -strongly calcitic; non-magnetic -chilled contacts 75 - 85° to L.C.A. - irregular.	13658	4.74	5.25	0.51		1.03	1.0		
5.25	6.60		Mafic volcanics: -green to grey-green; highly sheared, brecciated locally; in-filled with qtz-carb veinlets and locally with beige-green material -strongly calcitic;	13659	5.25	6.60	1.35		0.31	1.0		
6.60	7.12		Argillitic - Certy sediment: - well layered locally grey to olive green layering; grey siliceous bands with pyrite laminex or veinlets, fragmented with dark green mafic frags at start - tuffaceous	13660	6.60	7.12	0.52		0.45	0.8		

METRES		SECTION	DESCRIPTION					ASSAYS					
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH						
40.08	43.43		Hybrid - Mafic Volcanics to Feldspar Porphyry: -intensely brecciated and fractured; highly altered to hues of olive greens, reds, browns and purples -healed by white Qtz-carb material -pink alt'd feldspar porphyry	13667	40.26	41.09	0.83		.2				
			highly brecciated with beige carb alt'n and up to 2% fine diss'd pyrite at: 41.09 to 41.43 and 41.9' to 42.35	13668	41.09	41.43	0.34		.2				
				13669	41.43	41.95	0.52		.2				
				13670	41.95	42.35	0.40		.2				
				13671	42.35	43.43	1.08		.2				
43.43	44.67		Mafic Volcanics: -light green to grey-green; fine grained -strongly calcitic and mod. magnetic -pink-brown siliceous alt'n from 44.20 to 44.38 with occ's pyrite stringers -generally minor py min'n	13672	43.43	44.67	1.24		.2				

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS				
FROM	TO											
44.67	46.76		Pink alt'n Porphyry: -med. grained; pink to red alt'n	13673	44.77	45.16	0.39		.2			
				13674	45.16	45.91	0.75		.2			
			-no sig'n min'n , veining or alt'n	13675	45.91	46.76	0.85					
46.76	48.12		Lamprophyre O.kk: -fine to med. grain; purplish grey -biot-hbld. t.o. F.P. screen at 47.47 to 47.63 occ'n blebs of pyrite -strongly calcitic	13676	46.76	47.34	0.58		.2			
				13677	47.34	48.12	0.78		.2			
48.12	50.58		Mafic Volcanics: -fine grained; purple green alt'n gi ving a mottled texture with the normal green colour -strongly calcitic and magnetic -up to 1% diss'n blebs and patches of pyrite; also pyrite veinlets - o sig'n min'n or alt'n -thin lamp? d ke at 49.6 to 49.9 lig t green in colour	13678	48.12	48.81	0.69		.2			
				13679	48.81	49.83	1.02		.2			
				13680	49.83	50.58	0.75		.2			

METRES		SECTION	DESCRIPTION					ASSAYS					
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH						
85.49	87.30		Grey Feldspar Porphyry: med. to coarse graining granular - mod. magnetic; weakly calcitic locally -lamp dyke 86.87-87.30 -no sig't min'n, alt'n or veining										
87.30	90.80		Grey Quartz Flooded F.P. grey, weakly altd bio F.P. slightly calcitic non magnetic Alt'n quartz-flooded along flazure structure at 30° T.G.A.	12741	87.30	87.56	0.26	3-5	9.87				*
				12742	87.56	88.20	0.64	1-2	2.94				*
				12743	88.20	88.50	0.30	3%	.2				*
			Min: 87.30-88.20 1-2% diss py assoc. w qtz flooding -3.5% py stringers 87.30 - 37.56	12744	88.50	89.30	0.80	1	.51				
			-88.20 - 88.50 - 3% py assoc with ntcose qtz flooding	12745	89.30	90.10	0.80	1	.2				
			-88.50 - 80.10 less intensely altd patches pale beige alt'n - qtz flooding - 1% fg diss py -good qtz flooding at 30° TCA - 2% lg to ifg diss, py	12746	90.10	90.30	0.70	2%	.62				*
				a vg.	87.30	88.20	0.9		4.94				

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: of 2

020



PROPERTY	TP OR AREA	AZIMUTH 225° 34' 24" (225.57)	DATE STARTED 2/12/87	CORRECTED DIP TESTS		LOCATION SKETCH OF HOLE Horiz 51.8 Vert 140.8
PROJECT	LOT & CONC.	DIP -69° 08' 23"	DATE COMPLETED 16/12/87	Depth	Dip	
AIM NO.	CO-ORDINATES 2009.137N/3022.188E	LENGTH 150.16	DRILLED BY	75m	-70°	
HOLE NO.	Sect 1080SE	COLLAR ELEV. 3877.236m	LOGGED BY R EM	150.16	-70°	

METRES		SECTION	DESCRIPTION	CORRECTED DIP TESTS				ASSAYS						
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH	g/t						
			OBJECTIVES:-											
			0-0.60 casing											
	8.89		Ultramafic Flows:											
			-grey to grey-green talcose											
			- strongly sheared; fractured and											
			bx'd and infilled and cut by											
			10-20% quartz carb veins											
			and bands											
			-no min'n generally											
			7.20 to 7.60 extremely alt'd silicious	4278	7.20	7.60	0.40			8.26				
			sericitic and sheared with 20%											
			pyrite as massive bands and											
			diss's section characterized by											
			thin, tan-brownish to greenish bands											(Zone A South)
8.89	13.90		Min'd Zone ('A' South Zone)	4279	8.89	9.59	0.70			6.79				
				4280	9.59	10.79	1.20			1.30				
			-strongly siliceous and gh flooded with	4281	10.7	11.65	0.90			1.34				
			light beige-green alt'n carb'd sericity	4282	11.65	12.45	0.80			2.61				
				4283	12.45	13.31	0.86			3.84				
			-1 % diss'd pyrite generally too	4284	13.31	13.90	0.59			0.45				
			-Fractured and box'd locally and by											
			greyish-white qtz-carb veins 25° to 45°	a vg	9.59	13.31	3.76			2.16				
			to C.C.A.											

0M87-5-4-092

METRES		SECTION	DESCRIPTION	ASSAYS				
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH	
17.89	23.08		A ₁ Mafic Volcanics - fine grained, light green to and grades to dark green 20.96 to 23.08 - strongly calcitic; - abund 15 - 20% qtz-calcite, strongly foliated 45° to C.C.N 19.94 to 20.96 No sig min'n, alt'n or veining					
23.08	82.92		Ultramafic Flow: - dash green, telcase, chloritic - highly shistosed, fractured and filled by qtz-calcite from 23.08 to 24.30 - Hbld - Feldspar Porphyry 33.65 to 37.46; fine to med grained, purplish grey. Hbld - Feldspar Porphyry 55.79 to 56.88 with mafic screens and from 37.85 to 62.75; minor diss'd py acc'm and qtz-carb veining similar hbld feldspar porphyry 66.27 to 70.39; 73.02 to 74.41; 74.92 to 75.38; 76.96 to 77.32; 77.97 to 77.38; 79.74 to 80.23.	4291	60.41	61.18	0.77	0.20
				4292	61.18	61.83	0.65	0.20
				4293	61.83	62.75	0.92	0.20

METRES		SECTION	DESCRIPTION					ASSAYS			
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH				
88.12	90.97		<p>Heavily - M.U. + F.P.</p> <p>- fine to med. grained; has a stream, + pinkish to purple grey + green.</p> <p>- mottled texture locally.</p> <p>- minor pinkish and brown zones.</p> <p>- no sig⁺ min⁺ or veins.</p>	12262	88.12	89.55	1.43		0.99		
90.97	93.48		<p>Felsopar Porphyry.</p> <p>- Fine to med. gr^d; greenish grey.</p> <p>- Specks of biotite here.</p> <p>- Strongly calcite; med. magenta.</p> <p>- Pink-red calc⁺ 92.62 to 93.13.</p> <p>- no sig⁺ min⁺ or veins. - minor dark spots locally.</p>	12263	92.62	93.13	0.51		0.48		
93.48	95.00		<p>Mafic Volcanic</p> <p>- Dark green, fine grained; purple in fractured patches; zone.</p> <p>- Strongly calcite; chlorite;</p> <p>- minor pyrite in places.</p>	12264	93.48	95.00	1.52		0.24		

METRES		SECTION	DESCRIPTION				ASSAYS			
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH	%py	Au g/t	
5.3	5.78		Dacite Dyke							
			fg dacite dyke	13851	5.33	5.78	0.45	-	2020	
			-chilled margins							
			-non-conformable contacts at 65° T.C.A.							
5.78	7.67		Exhalite	13852	5.78	6.28	0.50	tr	0.58	
			-dark grey vfg exhalite	138153	6.28	6.83	0.60	tr	0.69	
			-siliceous weakly calcitic only locally very strongly	13854	6.88	7.30	0.42	tr	2.13	
			-magnetic	12883	7.30	7.67	0.37	tr	1.16	
			-bleached pale greenish grey zones 6.00-6.88							
			-similar bleaching probably due to carbonate							
			alteration associated w quartz dolerite veining							
			688-7.53							
7.67	10.64		Sheared silicified ultramafic?	12884	7.67	8.67	1.0	tr	0.58	
			-sheared ultramafics dark green silicified	12885	8.67	9.67	1.0	tr	0.2	
			-well foliated at 45° T.C.A.	12886	9.67	10.64	0.97	tr	"	
			Structure - well foliated at 45° T.C.A. numerous							
			stringers quartz-calcite at various angles T.C.A.							
			7.9 - 8.75, 9.0-10.64							
			Min tr . py							
10.64	11.01		Exhalite							
			-as for 5.73 - 7.6	12887	10.64	11.01	0.37	1%	"	
11.01	11.90		Red altered F.P.	12888	11.01	11.90	0.89	tr-1%	0.20	
			-f.g . red altd dyke - altd F.P.?							
			Altn. - red altd hematitic							
			Min. - tr - 1% py							
11.90	12.67		Sheared Ultramafics	12889	11.90	12.67	0.77		0.27	
			- med green, polyhedrally jointed um flow							
			- shearing at 45° TGA							

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS					
FROM	TO												
12.67	14.14		Talc - chloritic carbonate schist -dark green sheared T.C.C.S. -numerous stringers calcite quartz along foliation Structure - schistosity at 45° T.C.A. - intensely sheared 13.08 - 13.10, 13.24 - 13.25	12890	12.67	13.47	0.80		0.2				
				12891	13.47	14.14	0.6		"				
14.14	61.18		Massive to spinifex u.m. flows -massive to locally sporex or polyhedrally jointed u.m. flow - dark grey, to greenish - m.g.s -a few hairline fractures healed to white calcite -bra locally sheared 52.74 - 52.98 45° to lcu - No . sig min or veining 58.97 to 60.57; Feldspar Porphyry; purplish grey to size min altn or veining -strong pervasive calcite to										
61.18	61.43		Feldspar Porphyry: As 58.97 to 60.57; but 25° pyrite veins at out contact awr 2.5 cm (mostl is m. v. as below)	12892	61.18	61.43	0.25						

METRES		SECTION	DESCRIPTION					ASSAYS			
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH				
61.43	62.06		BX Mafic Volca ics;	12893	61.43	61.38	0.45		< .2		
			-strongly fractured , sheared and bxd	12894	61.88	62.06	0.18		< .2		
			- fine grained; fractures infilled with qtz calcite								
			-1% diss blebs wvps and stringes of pyrite associated								
			predom with the cars in-filling								
			Altn is w dark olive green locally								
			Purplish red F.P. 6 3.56 to 63.68								
			Stringers and blebs of pyrite at in-contact								
			25% over 1 2.5 cm.) with pinkish brown altd to 61.63								
62.06	70.40		Mafic Volcanics:	12895	62.06	64.82	2.76		< .2		
			Green to light greenish; fine grained	12896	64.82	66.31	1.49		< .2		
			-non-calcitic , non magnetic	12897	66.31	67.55	1.24		< .2		
			- cut by abund. pale green epidote - qtz veinlets								
			Minor bleb of pyritic locally								
			generally no sig minn or veining								
			- Grey F&P 67.55 to 8 .00	12898	67.55	68.00	0.45		< .2		
			- no min n or altn	12899	68.00	68.94	0.94		< .2		
				12900	62.94	70.40	1.46		< .2		

METRES		SECTION	DESCRIPTION					ASSAYS					
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH						
81.30	82.24		Hybrid - Feldspar Porphyry & M. V. Bands of pinkish grey and red F.P. and altn intersanded wit strongly siliceous greenish bands of replaced mafics -strongly foliated 45° to C.C.A. Occn dissd py	12916	81.30	82.24	0.94		.2				
82.24	83.13		Gre Feldspar Porph: -fine to med. grained; pinkish hue -no sig n min n or veining	12917	82.24	83.13	0.89		.24				
83.13	86.60		Red Altd Feldspar Porphyry: -Fine to med. grained greyish to 84.70 -greyish purplish hue 84.70 to 85.45 with a strong silicone altn or silica flooding in sparse pyrite Fairly abund white qtz carb veins 25-30° - Generally insig minn	12918	83.13	84.70	1.57		.27				
				12919	84.70	85.10	0.40		.31				
				12920	85.10	85.81	0.71		.34				
				12921	85.81	86.61	0.80		.51				

METRES		SECTION	DESCRIPTION					ASSAYS			
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH				
86.60	90.72		Grey Feldspar Porphyry:	12922	86.60	87.30	0.70	.34			
			-gradational from strong pinkish hue	12923	87.30	88.76	1.46	.2			
			-minor gh carb veining 30° to C. M.	12924	88.76	90.72	1.96	.2			
			- no sig min								
			-out contact irregular 10 - 15° to C.C. A.								
90.72	96.60		Mafic Volcanics:								
			-Mafic volcanics with grey F.P. dykes	12925	90.72	91.77	1.05	.2			
				12926	91.77	92.57	0.80	.2			
			-green to grey-green locally	12927	92.57	94.18	1.41	.21			
			-strongly calcitic and magnetic								
			-generally minor blebs and dissn pyrite up to 1 locally								
			-good beige and grey carb altn	12928	94.18	94.53	0.35	2.06			
			in fractured contact green 94.18 to	12929	94.53	95.15	0.62	1.65	samples		
			94.42 with 10-12% fine dissd	12930	95.15	96.60	1.45	.21	mixes		
			pyrite and stringes intruded by								
			aplitic dyke								
			Grey Feldspar Porphyry								
			91.01 to 91.32 sparse Py								
			purplish grey								
			91.32 to 92.09 hybrid F.P. & M.Y.								
			sparse py; purplish grey								
			94.83 to 95.15 F.P.;								
			purplish grey sparse py								

METRES		SECTION	DESCRIPTION				ASSAYS				
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH				
96.60	105.3		Grey Feldspar Porphyry:	12931	96.60	97.65	1.05		5.04		
				12932	97.65	99.20	1.55		.62		
			- med, to coarse grain; purplish	12933	99.20	100.60	1.40		.2		
			grey in color; bistile speckled	12934	100.60	102.00	1.40		.38		
				12935	102.00	103.67	1.67		.48		
			-mafic volc screen with 2% dissd py	12936	103.67	105.30	1.63		1.10		
			97.6 to 97.8								
			-Generally sparse py; no sig veining								
105.3	109.0		Mid altn zone (Main "B") Mafic								
			Volcanic & F.P.								
			105.30 to 105.7 Altn Mafic Volc	12937	105.30	105.70	0.40		8.09	3.24	4.89
			grey green with beige grey altn								
			bands; minor gh carb veins and								
			veinlets 40-to 546 parallel to CCU;								
			5-10% dissd to stringer pyrite								
			out contact 30° to lcd;								
			weakly calcitic								
			105.7 to 106.01 Pink Altn Feldspar	12938	105.70	106.01	0.31		109.03	33.86	9.63 2.99
			Porphyry med. grained								
			1-3% dissd pyrite minor	AVG	105.3	106.01	0.71		59.00		*
			qtz carb veining								
			106.01 to 107.15 Mafic Volcanics	12939	106.01	106.60	0.59		1.99	1.17	6.48
			grey-green, mody altd weakly	12940	106.60	107.15	0.55		.65	0.36	0.34
			calcitic minor qtz carb vein								
			and F.P. dykeable								
			1-2% dissd & bbls in py								
			107.15 to 109.02: pink altd feldspar	12941	107.15	107.70	0.55		10.22	5.62	8.69
			Porphyry ore porphyry grey	12942	107.70	108.02	0.32		1.41	0.45	1.53
			altn with silica flooding and	12943	108.02	103.52	0.50		7.78	3.89	6.38
			grey-white qtz carb veins 50-60% to C.C.A.	12944	108.2	109.02	0.50		16.08	8.04	17.26
			beige-grey altn along thin shere zones	avg	107.15	109.02	1.87		11.71	*	
			1% dissd py generally up to 2% locally;								

NB: cut 109.03 to 9.63 which is the W.A.A. 109.02-107.15

METRES		SECTION	DESCRIPTION				ASSAYS				
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH				
109.02	109.65		Grey Biot. Feldspar Porphyry: - Med. grained - No sig minn altn or veining	12975	109.02	109.65	0.63		.74	0.47	1.25
109.65	111.11		Mafic Volcanics: -green grey fine to med. grained weak grey altn locally -1-2% dissd and and blebs of pyrite minor qtz - carb veining - strongly calcitic	12946	109.65	110.44	0.79		.2	.16	0.23
				12947	110.44	111.11	0.67		5.52	3.70	5.11
111.11	111.70		Feldspar Porphyry: - minor dissd pyrite locally	12948	111.11	111.70	0.59		9.74	5.75	6.93
				avg.	110.44	111.70	1.26		7.50		
111.70	112.86		Mafic Volcanics: -fine grained; green - calcitic, fairly abund -patch of F.P. with etc parellel to 1cm and 2-3% dissd pyrite from 111.70 to 111.90; - 1-2% pyrite dissd and blebs locally	avg.	105.30	111.70	6.40		5.60	*	cut to 9.6
				avg	105.30	111.7	6.4		10.45	uncut	
									6.56		cut to 30 g/t
				12949	111.70	112.20	0.50		.79	1.43	
				12950	112.20	112.86	0.66		.34		

METRES		SECTION	DESCRIPTION					ASSAYS				
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH					
112.86	126.80		Grey Bist - Feldspar Porphyry:	12951	112.86	114.13	1.27		.93			
				12952	114.13	115.64	1.51		.24			
			-Fresh; med. to strongly calcitic and magnetic mottled, granular texture mostly	12953	115.64	117.11	1.47		.69			
			grey, med. to c. grd	12954	117.11	118.62	1.51		.2			
			minor pinkish bands too	12955	118.62	120.05	1.43		.2			
				12956	120.05	121.32	1.27		.55			
				12958	122.78	124.32	1.54		.2			
				12959	124.32	125.78	1.46		.21			
				12957	121.32	122.78	1.46		.2			
			- pinkish altn with specks of sericite and tr pyrite from 119.77 to 120.05	12960	125.73	126.80	1.07		.2			
			-generally no sign min., altn or veining.									
126.80	135.87		Pink & Red Altn Porphyry:									
			-fine to med. grained; pred. red altn.									
			-pink altn and silica flooded with white to grey qtz veining 126.80 to 127.48 or a grey hue altn and similar to one porphyry occs	12961	126.80	127.48	0.68		.24			
			speck of pyrite	12962	127.48	128.71	1.23		.34			
				12963	128.71	129.41	0.70		1.34			
			- Pink altn from 129.41 to 130.97	12964	129.41	130.22	0.81		.21			
			with a weak beige carb altn - no sigt minn or veining accn dissd	12965	130.22	130.97	0.75		.2			
			py									
			Other than the pink altd sections described above, the rock is altn	12966	130.97	131.97	1.00		.2			
			elsewhere to weak red and purplish to reddish grey with no sigt	12967	131.97	133.23	1.26		1.17			
			veining or minn - minor silica flooding and pinkish altd with	12968	133.23	134.02	0.79		.2			
			trace of pyrite at 134.46 to 134.61	12969	134.02	134.21	0.69		.2			
			occs dissd py 135.44 to 135.54	12970	134.71	135.87	1.16		.2			

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
Rundle Mine	Newton Twp	102.	12/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		16.0 ?	12/87	106.7-18'	
Claim No.	Co-ordinates:	Length	Drilled By:	226.0-16'	
2nd Leg	2000.0 N	226.1	N Morissette Can.		
Grid No.	2937.7+/-E*	Collar Elev.	Logged By:		no directional tests
#1 DDST		3806 +/-	R.E.Norman, A.Soever		
	*Coord. approx scaled Est'd from shaft from plot 4-02 (CPZ) section				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Fy	ASSAYS Au g/t
From	To							
OBJECTIVES:-								
0	2.39	MAFIC VOLCANICS -fine grained; dk green; chloritic; strongly calcitic; abund qtz-carb veinlets; 1-2% diss and veinlets of Fy	9891 9892	0 1.00	1.00 2.39	1.00 1.39		<.20 <.20
2.39	2.73	FP -med gr'd; grey; frequent blebs of Fy; minor qtz-carb veins and veinlets;	9893	2.39	2.73	0.34		<.20
2.73	6.70	LAMP DYKE -fine to med. grained; purplish; strongly calc. -screen of dk green m.volc. at 5.95-6.19; -red altd FP dyke 6.19-6.39						
6.70	7.74	FP -minor biotite specks; med-c.grained; purplish to grey; minor pyrite;	9894	6.70	7.74	1.04		<.20
7.74	9.75	PINK ALTD FP -med grained; pink to red; weak to mod beige-grey carb-sericite altn locally with weak diss Fy; minor qtz-veining; fairly abund qtz-carb veining 45-50'; in 2 directions	9895 9896	7.74 8.85	8.85 9.75	1.11 0.90		<.20 <.20

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
9.75	14.00	ALTD FP AND HYBRID	9897	9.75	10.75	1.00		<.20
		-med. grained; blotchy green-pink in places;	9898	10.75	11.75	1.00		1.54
		pinkish to pinkish green altn; sericitic; sheared	9899	11.75	12.80	1.05		0.72
		locally with pale greenish altn; generally weak	9900	12.80	14.00	1.20		1.30
		Py min'zn; occn diss and blebs of Py in places						
14.00	21.30	ALTD MAFIC VOLCANICS (MIN'ZD ZONE)	12249	14.00	14.81	0.81	3	27.87
		-fine grained dk grey-green volcs intensely altd	12250	14.81	15.44	0.63	5	29.30
		along fractured and bx'd zones; beige-grey carb'n	12251	15.44	15.85	0.41	5	18.45
		altn in wide bands with up to 5% diss Py locally	12252	15.85	16.79	0.64	2	29.30
		-generally 3-5% diss Py as diss, blebs and veins	12253	16.79	17.79	1.18	3	8.71
		- non-calcitic; abund milky-white qtz-carb veins	12254	17.97	18.90	0.93	3	<.20
		and veinlets; red altd FP dyke 15.44-15.75	12255	18.90	20.10	1.20	2	6.79
		-1% diss Py;	12256	20.10	21.30	1.20	5	27.09
		Note: actually 21.3-20.96 as metric rods used	AVG	14.00	21.30	7.30		16.21 *
		but markers placed for foot rods						
20.96	32.70	RED ALTD FP (ORE PORPHYRY)	18001	20.96	22.0	1.04	2-3	1.41
		-pale red to buff red mg FP; dolomitic-highly	18002	22.0	23.0	1.0	2-3	1.92
		fractured with fine hairline fractures healed wth	18003	23.0	24.0	1.0	2-3	0.82
		buff ore altn; highly fractured-micro fracture	18004	24.0	25.0	1.0	2-3	0.99
		healed with buff carbonate ore altn- 3-4% fine	18005	25.0	26.0	1.0	2-3	0.96
		hairline fractures healed with dolomite; 2-3%	18006	26.0	27.0	1.0	2-3	2.19
		f.g. diss Py throughout assoc with ore altn;	18007	27.0	28.0	1.0	2-3	3.39
		inclusion of altd mafic volcs 30.6-30.85; lower	18008	28.0	29.0	1.0	2-3	1.03
		ct obscured by blocky core	18009	29.0	30.0	1.0	2-3	1.61
			18010	30.0	31.0	1.0	2-3	3.09
			18011	31.0	32.0	1.0	2-3	8.28
			18012	32.0	32.7	0.7	2-3	2.67

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
32.7	36.1	ALTD MAFIC VOLCS -pale to med grey altd f.g. mafic volcs; magnetic -pervasive off whie dolomitic altn 32.7-33.26; -dolomitic to 3.45 -calcitic form 34.5-35.0; 35.0-36.1; dolomitic -pale beige ore altn along fractures; fg sheared section at 20'; 3.39-34.5 35.0-36.1- fractured at 45'; 3-5% stringers diss Py assoc with buff altn 33.14-33.26 at ct of altd Fp -tr Py -sheared action at 34.2 1-2% Py assoc with grey altn along fractures 35.0-36.1; Dyke altd FP 33.26-33.9; lower ct of unit at 36.1 at 20'						

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS	
FROM	TO								
36.1	38.4		RED ALTO FP - red + g. chd FP - non-magnetic - no visible fold spurs. Min - w/ky kaolitic chloritic - dolomitic slightly calcitic to base Structure - fractured - 1-2% fine basine fractures. sealed w/ dolomite. Pores - lower ct irregular.	19	36.1	37.3	1.2	7-13 tr	2.95
				19	37.3	38.4	1.1	tr	0.62
									1.51 / 1.5
38.4	40.2		ALTO MAFIC VOLCS. - pale gray to red gray alted mafic volcs - magnetic - calcitic Min - 400-402 - sectin pale gray slightly dolomitic carbonate altm Min - tr - 1% py assoc w/ calcite in fine fractures 38.9-400 - 40.0-402 - 3-4% fg dens py assoc w/ dol carbonate altm	20	38.4	40.0	1.6	tr	0.62
				21	40.0	40.2	0.2	3-4	6.12
40.2	43.6		RED ALTO FP. - red, + g. locally grayish Min - dolomite - w/ky chd. h. - contains beige qtz at 41.22 Structure - 3-4% fractures sealed w/ calcite Veins - qtz w/ numerous inclusions of F.P. at ~40° T.C.A 41.13-41.22 - pervasive beige carb altm assoc w/ qtz. 41.22-41.6. Min - generally tr py - up to 1% w/ beige qtz altm areas. 41.22-41.6 + 42.6-42.73 - 5% py - mafic inclusions 43.3-43.6 Pores - well min inclusion of mafic volcs. 43.3-43.6	22	40.2	41.6	1.4	tr	1.61
				23	41.6	43.3	1.7	tr	0.27
				24	43.3	43.6	0.3	5	7.20

METRES		SECTION	DESCRIPTION	SAMPLE NO.			ASSAYS			
FROM	TO			FROM	TO	LENGTH	%py			
84.2	85.1		GREY F.P. - grey to slightly dk ag - fine chert beds span of 610. - calcitic - weakly magnetic	30	32	88.0	89.3	1.3	1	20.2
				31	31	89.3	90.2	0.9	2	
85.1	90.2		ALTO MAFIC VOLCS - pale to med grey, f.g. - magnetic, very calcitic Structure - fractured w/ fine basaltic fractures. healed in calc-gtz - fracturing & calc. alter have shown to base Min - 1% py assoc in calc-gtz in fractures 88.0-89.3 2% " " " " " 89.3-90.2 Ranks - lower at at 15° T.C.A.							
90.2	94.7		GREY F.P. - grey ag, F.P. - calcitic, weakly ch. calcitic - 90.2-90.6 - highly fractured - 2-3% py stringers assoc in calc-gtz - 92.8-93.5 - large dyke.	32	32	90.2	90.6	0.4	2.3	
				33	33	90.6	92.1	1.5	H	
				34	34	92.1	93.6	1.5	H	
				35	35	93.6	94.7	1.1	H	
94.7	96.6		ALTO MAFIC VOLCS - grey f.g. - dyke 94.7-95.5 - fractured, stringer py assoc in calc-gtz in fractures. cont 1-2% py	36	36	94.7	96.6	1.9	H	0.24
97.4	97.4		LAMP DYKE - brown - ag.							

METRES		SECTION	DESCRIPTION	SAMPLE NO.			ASSAYS		
FROM	TO			FROM	TO	LENGTH			
156.1	163.3		<p>ALTD MAFIC VOLCANICS</p> <p>- red grey, f.g mafic volcs</p> <p>Alt- quite calcitic - mottled w darker grey calcitic patches - fractured w fine dolomite fractures healed w calcite.</p> <p>Min - 1% f.g dark py assoc w calc.</p> <p>Revs - grey FP dyke 157.85 - 158.8</p> <p>- patches grey FP on side of core 162.65 - 162.75</p> <p>- narrow dyke FP - 163.67 - 163.15</p>						
163.3	171.9		<p>GREY F.P</p> <p>- grey m.g FP</p> <p>- good relict feldspars</p> <p>2-3% bio.</p> <p>Revs - inclusion mafic volcs 168.63 - 169.44</p>						
171.9	173.8		<p>LAMP DYKE</p> <p>- brown-green bio lamps - m.g</p>						
173.8	185.5		<p>RED ALTD FP</p> <p>- fine lamg, red altd FP</p> <p>no relict feldspars</p> <p>Alt - dolomitic</p> <p>Structure - fractured w fractures healed w dolomite</p> <p>Revs - green lamp dykes 183.17 - 183.72</p> <p>Min - tr py</p> <p>Veins - 10-25% white on scale qtz-dol veins at ~60% Ch. 183.72 - 184.55 - minor spec h. in qtz dol veins</p>	<p>170</p> <p>39</p> <p>40</p> <p>41</p> <p>42</p> <p>43</p> <p>44</p> <p>45</p> <p>46</p>	<p>173.8</p> <p>175.0</p> <p>176.5</p> <p>178.0</p> <p>179.5</p> <p>181.0</p> <p>182.5</p> <p>184.0</p> <p>185.5</p>	<p>175.0</p> <p>176.5</p> <p>178.0</p> <p>179.5</p> <p>181.0</p> <p>182.5</p> <p>184.0</p> <p>185.5</p>	<p>1.2</p> <p>1.5</p> <p>1.5</p> <p>1.5</p> <p>1.5</p> <p>1.5</p> <p>1.5</p> <p>1.5</p>	<p>0.21</p> <p>1.37</p> <p>3.91</p> <p>2.26</p> <p>3.33</p> <p>6.27</p> <p>1.23</p> <p>2.23</p>	<p>- 4.04 / 9.0 m</p> <p>- 5.1</p>

PROPERTY RUNOLE	TP OR AREA NEWTON	AZIMUTH 105.5 (Layout)	DATE STARTED 1/2/87	CORRECTED DIP TESTS		LOCATION SKETCH OF HOLE
PROJECT 3382	LOT & CONC.	DIP -18° 17'	DATE COMPLETED 16/12/87	ACID TESTS		
CLAIM NO.	CO-ORDINATES. 1999.80N 2232.7E	LENGTH 226.47m	DRILLED BY MORISSETTE	110m -17°		
GRID NO.		COLLAR ELEV. 3806.0	LOGGED BY REN, CPZ	226m -18°		

METRES		SECTION	DESCRIPTION	SAMPLE NO.			ASSAYS	
FROM	TO			FROM	TO	LENGTH		
			OBJECTIVES:-					
			Mafic Volcanics:					
			- Fine grained; Dark green to grey-green	12108	0.0	0.60	0.60	420
			- Non. calcitic, strongly magnesian	12109	0.60	1.75	1.15	420
			Chloritic;					
			- Minor qtz. calcite veinlets and patches green (epidote?) veinlets.					
			- 1% pyrite as disc ^s and locally veinlets					
			- Weak fracturing in places with lsh. grey act ^s .					
			FELSIC PORPHYRY					
			- Med. grained; Purple grey;					
			- No sig ^s mica ^s or veinlets.					
			LAMPROPHYRE DYKE					
			- Fine to med. gr ^s ; purple grey;					
			- Calcitic in matrix.					
			- No mica ^s or sig ^s veinlets.					

0 1.75
1.66

1.75 2.00
1.66 2.28

2.00 6.39
2.28 6.08

METERS		SECTION 1cm	DESCRIPTION	-			ASSAYS		
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH		
6.39	8.24		FELDSPAR PORPHYRY:						
6.08	8.31		- Med. grained, grey;	12110	6.39	7.46	1.07	4-1/2%	2.20
			- Pink alt ^o along bands up to 2cm thick and cut by qtz. - 50% veins starting at 7.46. These bands are 45 to 50° to l.c.n. and with up to 1% fine disseminated pyrite.	12111	7.46	8.26	0.80	7-17%	.20
			- 1/2 to 1% disseminated pyrite locally 7.46 to 8.24	12112	8.26	8.31	0.48	7%	.48
8.24	13.33		Pink ALT^o FELDSPAR PORPHYRY:						
8.31	12.68		- ORE PORPHYRY						
			- Med. to coarse grained; pink to pink-grey locally;	12113	8.31	9.62	0.89	1-2%	.20
			- Barren zone alt ^o along thin sheet in places	12114	9.62	10.39	0.77	1-2%	.30
			- Generally 1% disseminated pyrite to 11.69. weak pyrite 11.69 to 12.33	12115	10.39	11.39	1.00	7-17%	.41
			- 11.39 to 11.67: highly fractured mineral vein zone with abund. blue-white qtz veins 60° to l.c.n. and 5-10% disseminated and patches and veins of pyrite. Pink to dark purple alt ^o	12116	11.39	11.67	0.30		5.24
			- 5% qtz and qtz-cats veining +.0 .35 to 60° to l.c.n.	12117	11.69	12.37	0.68	4-1/2%	.75
			- 12.37 to 12.73: hybrid rock with some green alt ^o feldspar in matrix of 50% pinkish f.p. 2% disseminated pyrite at out-contact. Over 5 cm in pink to grey siliceous zone; molten texture.	12118	12.37	12.73	0.96		.68

METERS		SECTION 1cm	DESCRIPTION				ASSAYS		
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH		
13.33	16.89		MARLE Volcanics				7.07		
12.68	16.02		- light green to green, fine grained	12119	13.33	13.64	0.31	1-1%	1.72
				12120	13.67	14.07	0.40	3-5%	6.82
			- light green highly brecciated locally	12121	14.02	14.33	0.31	1/2-1%	1.68
				12122	14.33	14.79	0.46	tr.	1.82
			- Generally strongly calcitic and weak to med. pyrite	12123	14.79	15.29	0.50	1%	5.1
				12124	15.29	15.74	0.45	1-2%	1.24
				12125	15.74	16.89	1.15	8-12%	4.20
			- 13.67 to 14.07: Intensely fractured and bit and highly calc in beige carb with fine to coarse 3-5% pyrite; similarly 15.29 to 15.49.	Avg	13.67	15.29	1.62		3.89
			- Pink + grey f.c. dye 14.33 to 14.79						
16.89	18.50		Pink Act ^{id} Felsopar Renowned:	12126	16.89	17.39	0.50		3.29
16.02	17.59		- Med. grained, pink to pink-grey	12127	17.39	17.80	0.41		.92
			- 5-10% f.c. calc with 2-3 mm. thick	12128	17.80	18.26	0.46		.34
				12129	18.26	18.50	0.24		1.2
			- Pale pink act ^{id} w. strong base or 'bleached' appearance and 1-2% pyrite from 17.39 to 17.80 and 18.26 to 18.50 (see notes) with irregular white calc.						
			- Generally weak min ^{er} outside of above.						

METRES		SECTION	DESCRIPTION					ASSAYS				
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH					
10.50	20.62		Feldspar Paragneiss:									
17.59	19.84		- Pinkish grey to purplish; grade from a medium med. grained to a fine grained feldspar - biotite dike	12130	18.50	19.62	1.12				1.41	
			- No. 515 ² mm ² , etc. - washing.	12131	19.62	20.62	1.15				1.34	
20.82	23.84		Hyacinth F.P. + M.V.									
19.84	22.67		- Fine to med. grained; pinkish to grayish;	12132	20.62	22.10	1.28	fr			1.75	
			- Strongly etched; strongly brecciated	12133	22.10	22.55	0.45	1-6			1.4	
			- 22.10 to 22.35: 1-2% detrital py. with beige-grey calc mat. in filling, fractured on zone	12134	22.55	23.24	0.69				1.54	
			- 22.35 to 23.84: Generally strongly fractured and (un)filled with beige-brown calc ² with up to 1% py. locally; patches of red detrital idos.	12135	23.24	23.84	0.60				4.94	2.96

METERS		SECTION 1cm	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS	
FROM	TO							% Cu	% Fe
23.89	32.42		CHERTY EXHAUSTE HORIZON:						
22.67	30.88		- Intensely brecciated dark green to green fine grained \pm spherulitic locally, siltstone - beds beaded by light tan cherty material with 10 to 15% disseminated veins and patches of massive pyrite;	12136	23.89	24.91	0.57	24.14	13.76
				12137	24.91	24.95	0.54	16.35	3.93
				12138	24.95	25.32	0.27	12.51	3.38
				12139	25.32	26.60	1.28	2.02	2.59
				12140	26.60	27.77	1.13	13.06	14.76
				12141	27.77	28.73	1.00	13.26	12.26
				12142	28.73	29.73	1.00	19.61	19.61
				12143	29.73	31.24	1.51	29.38	44.36
				12144	31.24	32.42	1.23	23.0	28.29
			- 25.32 to 26.60: Pink to pink-grey silty Feldspar Porphyry with 1 to 2% disseminated pyrite and 5% glaucous veins + veinlets.						
			- Bands of fine grained reddish brown rock with 2% disseminated pyrite 29.91 to 29.95						
32.42	34.19		Pink Alt^{er}ed FELDSPAR PORPHYRY:						
3 88	32.45		- Ore Porphyry						
			- Pale greyish pink bleached to 33.19 with 1-3% disseminated pyrite	12145	32.42	33.17	0.70	9.77	6.84
			Reddish pink 33.17 to 34.19 with minor bleached areas and generally 1% pyrite.	12146	33.17	34.19	0.97	5.38	5.22
			- Thin sets of glaucous veins and veinlets 4.5 to 6.5 ft.						

METERS		SECTION 1cm	DESCRIPTION	SAMPLE NO.			ASSAYS		
FROM	TO			FROM	TO	LENGTH			
34.14	36.92		Al ₂ O ₃ Feldspar Porphyry:						
32.47	35.11		- fine to med. grained; pale pinkish grey; fine specks of magnetite in places - possibly hybrid.	12147	34.14	35.14	1.00	9.6	9.6
			- patches of red calc in places	12148	35.14	36.14	1.00	9.74	9.74
			- distinct and veins of pyrite locally - up to 10%	12149	36.14	36.92	0.78	9.53	2.95
			- mottled texture locally						
36.92	39.09		X ₈₀ Al ₂ O ₃ Feldspar Porphyry:						
35.11	37.18		- med. grained; red;	12150	36.92	37.79	0.87	4.04	3.31
			- fairly abundant Qtz-calc veins and stringers 500 to 6.0m	12151	37.79	39.02	1.23	5.82	7.16
			- up to 10% fine distinct and blebs of pyrite locally, but generally weak matrix	AVG	23.24	39.02	15.78	12.46	*
			- Gradational contacts						
39.09	41.87		Al ₂ O ₃ Feldspar Porphyry:	12152	39.02	40.09	1.07	.30	
37.18	39.82		- As 34.14 to 36.92	12153	40.09	40.84	0.75	.62	
				12154	40.84	41.87	1.03	8.19	

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS			
FROM	TO										
41.89	42.42		MAFIC VOLCANIC	12155	41.87	42.42	0.55				3.75
39.82	40.34		- Fine gr ² ; 25% calc to light gray;								
			- non-cubic;								
			- commonly weak pyrite mottling, to 50% stage at 10 cm. 2 in contact								
42.42	43.49		Pink Alt ² Felsic Porphyry!	12156	42.42	43.49	1.05				2.3
40.34	41.34		- Fine to med. gr ² ; pink to pink gray - purpleish.								
			- mottled texture locally;								
			- 5-10% qtz-calc veins (2 sets at 45 to 60°).								
			- minor disc ² py.								
43.42	43.89		Alt ² Mafic Volcanic:	12157	43.42	43.89	0.47				3.74
41.34	41.74		- Fine grained; strongly brecciated and filled with siliceous smears white mat ² .								
			- sparse disc ² py.								

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS					
FROM	TO												
43.89	44.62		Hybrid - And ¹⁰ Mafic Volcanic: F.P:										
41.74	42.44		- Fine grained, hue of pink and - thin bands of alk ² mic. d.s. - Abund. spots of light grey quartz. - No sig ² mica	12158	43.89	44.62	0.73				2.46		
44.62	45.72		ALT ¹⁰ Mafic Volcanic:										
42.44	43.42		- light to med grey, fine grained - No sig ² mica, alk ² or veins	12159	44.62	45.72	1.10				.65		
45.72	46.78		ALT ¹⁰ Ferruginous - Biotite Porphy.										
43.42	44.49		- Med grained, pinkish grey, massive texture. - No sig ² mica, alk ² or veins	12160	45.72	46.78	1.06				.65		
46.78	47.86		ALT ¹⁰ Hybrid - Porphy:										
44.49	45.52		- fine grained, pink-red alk ² - strongly sheared, - minor veins of trace pyrite	12161	46.78	47.86	1.08				2.02		

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	%	g/l	ASSAYS
FROM	TO									
74.87	80.95		GREY BIO. F.P.							
71.21	76.99		as above							
80.95	89.50		SERICITIZED F.P.							
76.99	85.12		yellow red, mag; non-magnetic							
			Structure: strand	11493	80.95	82	1.05	tr	0.41	
			Alt'n + Veins: highly sericitized, red alt'n	11494	82	83	1	tr	60.2	
			- submicron thin to 2mm of width	11495	83	84	1	tr	0.24	
			- at 87.0-87.10	11496	84	85	1	tr	60.2	
			Min'als: tr py.	11497	85	86	1	tr	60.2	
				11498	86	87	1	tr	60.2	
				11499	87	87.10	0.1	tr	60.2	
89.50	90.47		HALO FSP PAROHYR DYKE	11500	87.10	88	0.9	tr	60.2	
85.12	86.04		- slightly blacky 90.40-90.50	2503	88	89	1	tr	60.2	
				2504	89	89.5	0.5	tr	60.2	
90.47	90.97		Red ALT'D F.P.							
86.04	86.52		- red, mag; magnetic (slight)							
			Structure: shid	2505	90.47	90.97	0.50	tr	60.2	
			Alt'n + Veins: red alt'n in massive thin ls.							
			grey of veins							
			Min'als: tr py							

FROM	TO
90.97	91.65
82.51	83.16
91.65	93.86
87.16	88.29
87.16	88.21
72.88	110.60
89.29	104.62
110.00	116.00
104.62	110.32
116.00	122.58
109.32	116.58
122.58	124.36
116.58	118.29

GREY A11. F.P.
GREY A10. F.P.

- slight pk alt'd, mil. py

HALD ESP. PORPHYRY (LAMP) DYKE.

GREY A10. F.P.

as above.

- unaltered, tr. py

GREY RED AUTO F.P.

- weakly alt'd w/ mod amt of qtz assemblage
only tr. py.

MAFIC VOLC.

- unalt'd, very calcic w/ tr. py

GREY A10. F.P.

SAMPLE NO	FROM	TO	LENGTH	100% 100%	8% 8%
2506	110.0	111.0	1.0	tr	0.31
2507	111.0	112.0	1.0	tr	0.2
2508	112.0	113.00	1.00	tr	0.2
2509	113.00	114.00	1.00	tr	0.2
2510	114.0	115.0	1.00	tr	0.24
2511	115.0	116.0	1.00	tr	1.27
2512	116.0	117.0	1	tr	0.55
2513	117.0	118.0	1	tr	0.20
2514	118.0	119.0	1	tr	0.20
2515	119.0	120.0	1	tr	0.20
2516	120.0	121.0	1	tr	0.20
2517	121.0	122.0	1	tr	0.2
2518	122.0	122.98	0.98	tr	0.79

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Est %Py	An g/e 1/e	ASSAYS
FROM	TO									
153.33	153.54		GREY BIO. F.P.	2581	155.0	155.33	0.33			
147.93	149.83		unfused, milky	2561	155.31	156	0.67	tr	40.2	
				2562	156	157	1	tr	"	
				2563	157	157.54	0.54	tr	"	
153.34	162.30		ALT'D VOLC							
149.83	154.36		as above.	2564	157.54	158	0.46	tr	"	
			- strongly calcitic relatively unaltered	2565	158	159	1	tr	"	
				2566	159	160	1	tr	40.2	
				2567	160	161	1	tr	"	
162.30	165.40		LAMP DYKE	2568	161	162.3	1.30	tr	0.27	
154.36	157.30									
165.40	172.16		GREY BIO. F.P.							
157.30	169.44		relatively unaltered							
			- Med. to c.g.							
			- No. sig ² mm ² , calc ² or 4.0%							
			- 175.29 to 176.19: Med. volcanic; fine	2569	175.39	176.19	0.80	1/2-1/4	40.2	
			grained; green-grey; strongly							
			calcitic + magnesi; 1/2 to 1/4							
			disintegrated							
172.16	200.86		MARLE VOLCANICS:							
169.44	190.54		- Fine grained, dark green-grey; grad	9869	176.19	177.19	1.0		40.2	
			to med. grained, grey at 191.15 to 199.96	9870	177.19	178.16	1.37		0.21	
				9871	178.16	179.16	1.0		40.2	
			- Strongly calcitic + magnesi too	9872	179.16	180.16	1.0		"	
				9873	180.16	181.16	1.0		1	
			- Minor sh. carb. (limb.) and minor	9874	181.16	183.16	1.0		1.06	
			to 0.	9875	183.16	183.05	0.89		40.2	
				9876	183.05	184	0.95		40.2	
			- Sprinkled disintegrated pyrite in places	9878	184	185	1.0		"	
				9878	185	186	1.0		"	
				9879	186	187	1.0		"	
			- No sig ² mm ² - calc ²	9880	187	188	1.0		"	
				9881	188	189	1.0		"	

METRES		SECTION	DESCRIPTION				ASSAYS		
FROM	TO			SAMPLE NO.	FROM	TO		LENGTH	
			170.16 to 200.55 : Cont th :						
			- Fine grained, purplish F.P. dyke	9882	189	190	1.0	Ry	60.2
			189.16 to 190.94 (like like same at 1 st plane)	9883	190	191	1.0	"	"
			- Med. grained, purplish gray F.P. dykes 187.05 to 187.45, 191.76 to 191.06, and 194.46 to 195.03	9884	191	192	1.0	"	"
				9885	192	193	1.0	"	"
				9886	193	194	1.0	"	"
				9887	194	195	1.0	"	"
				9888	195	196	1.0	"	"
				9889	196	197	1.0	"	"
				9890	197	198.14	1.18	"	"
			- Weak alt th to beige - purple to tan sericitic shales 198.78 to 199.58. fr - 30° to 60° - fr	2570	198.18	198.78	0.60	fr	0.96
			pyrite j.	2571	198.98	199.58	0.60		6.2
			Alt. V. V.:	176	198.18	200.2	2.02		1.94
			- 199.58 - 200.20: med alt th beige - gray volcanic with 2-5% dark pyrite - sericitic + carb th	2572	199.58	200.20	0.62		5.38
			Weakly fractured and alt th 200.20 to 200.55	2573	200.20	200.55	0.35		0.55
200.55	206.87		HYALID - F.P. + M.V.						
190.54	196.17		- Fine grained, pinkish to grayish green + purplish gray	2574	200.55	201.11	0.56		0.86
				2575	201.11	202.11	1.00	fr	0.21
			- Bands of magne. up to 10 cm with up to 2% dark py. 200.55 to 200.95.	2576	202.11	203.11	1.00		0.86
				2577	203.11	204.11	1.00		4.20
				2578	204.11	205.38	1.27		4.20
			- predominantly Hald. Feldspar Amphib.	2579	205.38	206.09	0.66		4.20
				2580	206.09	206.87	0.23		0.53
			- Pink alt th F.P. 205.38 to 205.94						
			- fr. py						
			- No sig th mica th ;						
			- Fairly abund. qtz - calc veins - veins						

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS		
FROM	TO							EST.	g (by AWS)	
206.87	226.92		MARLE VOLCANICS:							
196.12	215.39									
	EDH									
			- Med. to c.g. flow; green to gray; andesitic locally.	2582	206.87	206.92	0.65	1/2%	2.2	
				2583	206.92	207.92	1.00	1%	2.2	
				2584	207.92	209.06	1.14		1.71	
			- Fair to med. beige - gray alt. in places to a. along fractures and veins with good dist. pyrite m. locally from 211.82 to 218.89. Also appear 25° to C.P.M. locally.	2585	209.06	210.31	1.25		0.29	
				2586	210.31	211.82	1.51		2.2	
				2587	211.82	212.41	0.59	1/2-1%	2.2	
				2588	212.41	213.41	1.00	1%	1.18	
				2589	213.41	214.91	1.50	3%	2.25	
			- Non-calcitic + strongly magnetic	2590	214.91	215.91	1.00	3%	0.75	
				2591	215.91	216.91	1.00	1/2-1	2.2	
			- Fairly abundant white spots of leucosane to a.	2592	216.91	216.96	0.05	-	2.2	
				2593	216.96	217.63	0.67	1/2	1.21	
				2594	217.63	218.21	0.58	2%	3.46	2.01
			- Hybrid Porphyry 216.91 to 216.96	2595	218.21	218.89	0.68	6%	18.51	12.59
			- 209.06 to 219.31: Fairly Porphyry fine grained, light pinkish-green, strongly calcitic.	2596	218.89	219.41	0.52	1/2	6.31	3.28
				2597	219.41	220.68	1.27	1-2%	0.71	
				2598	220.68	221.36	0.68	1-2%	0.78	
				2599	221.36	222.16	0.80	✓	0.21	
			- Light greenish siliceous hybrid E.P. 218.89 to 219.41 and 221.36 to 222.16. No m. to a.	2600	222.16	223.16	1.00	1/2-1%	0.86	
				4298	223.16	224.16	1.00	1/2	2.2	
				4299	224.16	225.16	1.00	1%	2.2	
				4300	225.16	226.43	1.27	1-2%	2.2	
			- Abund minor gr. carb. veinlets to C.P.M.	AVG.	212.41	214.41	2.0		1.72	
			END OF HOLE.	AVG.	217.63	219.41	1.78		10.04	
			- split core sampled							
			- LM 37 AW CORE							
			- Hole made @ 50g/min water; was grouted after drilling.							
			Note: By AWS 15/12/89							
			Sect 206 - 225 Alteration is a grey mottling, not typical porphyry light gray alt. 1-2% mt - exact values to be low relative to a. content.							
			225.16-226.43 19. little typical porphyry light gray alt. - probably carbonate free.							

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
South Rundle	Newton	200 degrees	22/07/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		-56 degrees	28/07/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1999.42N/3114.24E	222m	Morisette		
Grid No.		Collar Elev.	Logged By:		
		3997.44m	C.F. Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To							
		OBJECTIVES: -To test up dip extension of Central Zone	DEPTH	AZ	TRAZ	ESTAZ	DIP	
			7.62			200.1	-56	AT
			45.70			200.7	-55	AT
0.0	4.00	CASING	101.74			201.5	-53	AT
			153.82			202.3	-51	AT
4.00	14.55	GWK - MAFIC FLOW Med. grey, f.g., relatively hard with a few % f.g. detrital qtz grains	60.90	208.5	201.0		-54	TROP
			222.0			203.3	-51	AT
		Struct: Fr'd at random angles thru out mod. amounts of blocky core Small fault from 6.6-6.9						
		Veins: Numerous 1-5mm light grey calc. veins randomly orientated and also patchy						
14.55	21.85	HBLD F.P. Grey to sl. purple, f.g. matrix with m.g. fsp. phenos and 4% c.g. euhedral fsp. and f.g. hbl'd phenos with biot.						
		Struct: Relatively massive with minor fracturing Lower Ct. sharp at about 45 degrees						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Veins: A few paper thin to 2mm light grey randomly orientated calc. veins						
21.05	27.60	MASSIVE GWK - MAFIC FLOW As above 4.0-14.55						
		Struct: Massive with numerous thin randomly oriented light grey calc. veins						
		Min: tr patchy f.g. Py						
		Remarks: Small lamp dyke 23.03-23.60						
27.60	30.10	SPECKLED GWK As above 4.0-14.55 but f.g. to m.g. calc. specks						
		Struct: Relatively massive with minor fractures and sections of light grey calc. with paper thin calc. veinlets and strong pervasive calc.						
30.10	34.85	ARGILLITE BRECCIA Dark grey to black with grey green chloritic? matrix Clasts vary in size from 1mm to 2-3cm Magnetic						
		Struct: Brecciated thru out, very minor fractures						
		Veins: A few % thin light grey calc. veins						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
34.85	48.66	MASSIVE GWK As above, magnetic Struct: Massive with numerous randomly oriented calc. veins becoming speckled gwk near the end						
48.66	51.40	GRAPHITIC ARGILLITE AND SILTSTONE Grey to black, v.f.g. with blocks and blebs of siltstone Struct: Argillite shows good bedding at about 45 degrees Veins: A few % thin calc. veins with patches and veins or infillings along bedding planes						
51.40	52.20	SPECKLED GWK As above with schist. at 45 degrees and numerous thin light grey calc. veins						
52.20	57.35	CARBONATIZED U.M. OR GWK Yellow green grey, f.g., relatively hard, non-magnetic Struct: Highly fr'd and healed with qtz Veins: Numerous thin light grey calc. veins						
57.35	59.80	GREY F.P. Med. grey, f.g. matrix with 10-20% m.g. to c.g. euhedral to subhedral feldspar phenos, non-magnetic Struct: Massive with minor fractures filled with qtz-calc.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
59.80	66.60	CARBONATIZED U.M OR MAFIC FLOW As above 52.20-57.35 with small patches of ser'd F.P., non-magnetic Struct: Fr'd thru out with numerous thin 1-2mm qtz-carb veins Mod. pervasive calc.						
66.60	68.23	GRAPHITIC ARGILLITE AND SILTSTONE As above 48.66-51.40 Struct: Bx'd texture at upper Ct. becoming bedded in middle and grading to more massive at bottom						
68.23	79.98	SERICITIZED F.P. Yellow green with porphyry texture almost obliterated in places, non-magnetic Struct: Small fractures filled with qtz-carb Alt'ns: Highly ser'd at upper Ct. becoming less sericitic over section Min: tr diss'd Py						
79.98	84.50	GREEN BANDED CARBONATE ROCK Green to yellow, f.g., weakly to mod. magnetic Struct: Banded thru out at 60 degrees						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Alt'n & Veins: Banded with thin 2-5mm yellow white carb and qtz bands with numerous thin light grey calc. veins						
		Remarks: 84.15-84.50 sericitic F.P.						
84.50	85.25	SHEARED U.M. Grey green, f.g., relatively hard, non-magnetic						
		Struct: Highly sheared and bx'd with schist. at about 45 degrees						
		Veins: Numerous thin light grey qtz-carb veins						
85.25	86.15	SHEARED SILICIFIED SERITICIZED F.P. Pale yellow silicified F.P., non-magnetic						
		Struct: Highly sheared						
		Alt'n & Veins: Ser'd thru out and fr'd, fractures filled with qtz						
		Min: tr-0.5% f.g. diss'd Py	8623	85.25	86.15	0.9	tr	tr
86.15	86.96	SHEARED U.M. (FUCHSITIC) As above 84.50-85.25, non-magnetic but contains fuchsite as bands in certain locations						
86.96	91.20	SERITICIZED F.P. WITH INTERLAYERED GREY CARB. ROCK As above 68.23-79.98 with silicified or carbonatized sections grey in colour						
		Struct: Sheared with schist. at 45 to 60 degrees						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Alt'n & Veins:						
		Ser'd with siliceous and carbonate infillings	8624	86.96	88.00	1.04	tr	0.3
			8625	88.00	89.50	1.5	tr	0.3
		Min:	8626	89.50	91.00	1.5	tr	1.3
		tr wispy f.g. Py	8627	91.00	92.00	1.0	tr	0.1
91.20	97.73	SHEARED SPX U.M. WITH CLOTS OF SER'D F.P. As above 84.50-85.25 with preserved spx and large clots of ser'd F.P.						
		Struct: Highly sheared						
		Alt'n & Veins:						
		Ser'd and silicified in F.P. section						
		U.M. contain numerous qtz-carb infillings and veins	8628	92.00	93.50	1.5	tr	tr
			8629	93.50	95.00	1.5	tr	tr
		Min:	8630	95.00	96.50	1.5	tr-0.5	0.8
		tr f.g. wispy and diss'd Py	8631	96.50	98.00	1.5	0.5-1	tr
97.73	101.78	POLYHEDRALLY JOINTED U.M. Grey green, f.g., relatively hard, magnetic						
		Struct: Good polyhedral jointing becoming vague						
		Alt'n:						
		Short section of sericitic exhalite that has small bands of red alt'n						
		Min:	8632	99.50	101.00	1.5	2-3	0.4
		More or less restricted to exhalite bands where massive to submassive bands occur	8633	101.00	102.00	1.0	1-2	tr
101.78	105.43	HBLD - FSP PORPHYRITIC DYKE LAMP? Purple grey, m.g., sl. magnetic, composed of subhedral hbl and fsp, numerous chl. slips						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Struct: Highly fr'd thru out with plenty of broken and blocky core.						
		Alt'n & Veins: Chl'c slip planes with numerous thin light grey calc. veins Pervasive calc.						
105.43	108.56	GREY F.P. As above 57.35-59.80, magnetic and sl. more alt'n than above						
108.56	110.20	CHERTY EXHALITE AND MAFIC VOLC Upper half mafic volc with mod. epidote alt'n Lower half cherty exhalite						
		Struct: Mod. fracturing						
		Alt'n & Veins: Volcanics, numerous thin lime green epidote stringers, cherty horizon, red alt'n with carbonate veins						
		Min: Predominantly in the exhalite where clots and stringers of submassive Py occur	8634	108.50	109.50	1.0	tr-0.5	tr
			8635	109.50	110.50	1.0	0.5-1	tr
110.20	114.50	GREY F.P. As above with section of cherty exhalite 111.38-112.20 Exhalite bands contain 4-5% Py in bands						
		Struct: Both upper and lower Cts. are sharp but irregular	8636	110.50	112.00	1.5	1-2	tr
			8637	112.00	113.50	1.5	tr	tr
114.50	124.50	ALTERED MAFIC VOLC (PILLOWED) Grey green, f.g., magnetic						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Struct: Fr'd and healed, possible pillows						
		Alt'n & Veins: Numerous epidote veinlets and qtz-calc	8638	114.80	115.50	0.7	tr-0.5	tr
		Remarks: Cherty exhalite from 114.82-115.40 with 0.5-1% Py in bands						
124.50	133.10	RED ALTERED F.P. Red to burnt red, magnetic, Fsp. phenos are barely preserved Small sections of cherty exhalite						
		Struct: Highly fr'd						
		Alt'n & Veins: Good red carbonate alt'n with numerous thin light grey white qtz-carb veins	8639	124.50	126.00	1.5	tr	0.4
			8640	126.00	127.50	1.5	tr	tr
		Min: tr-0.5% f.g. diss'd Py with sections varying up to 1%	8641	127.50	129.00	1.5	tr	0.4
			8642	129.00	130.50	1.5	tr-1	2.2
			8643	130.50	132.00	1.5	tr	0.1
133.10	135.13	INTERMEDIATE LAMP DYKE (F.G. PORPHYRITIC DYKE) Light grey, f.g. with remnant porphyry texture Relatively massive						
		Struct: Massive with minor fracturing and a few % 1-2mm calc. veins						
135.13	138.07	GREY F.P. (SLIGHTLY ALTERED) As above but sl. alt'd						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Struct: Fr'd thru out and healed with vein material						
		Alt'n & Veins: Sl. amount of red alt'n with specularite infillings Numerous thin light grey qtz-carb veins						
		Min: tr-0 Py	8644	136.50	138.00	1.5	lr	0.6
138.07	141.20	RED ALTERED Q.V. F.P. As above 124.50-133.10						
		Struct: Numerous fractures with healings						
		Alt'n & Veins: Good red carbonate alt'n with numerous thin light grey qtz-carb veins						
		Min: tr Py and minor specularite infillings	8645 8646	138.00 139.50	139.59 141.00	1.5 1.5	tr tr	nil nil
141.20	154.10	SERITICIZED F.P. As above						
		Struct: Sheared and fr'd thru out	8647 8648 8649	141.00 142.50 144.00	142.50 144.00 145.50	1.5 1.5 1.5	tr tr tr	nil 0.5 nil
		Alt'n & Veins: Grey pink carb alt'n with numerous thin light grey qtz-carb veins	8650 8651 8652 8653	145.50 147.00 148.50 150.00	147.00 148.50 150.00 151.50	1.5 1.5 1.5 1.5	tr tr-0.5 0.5-f 0.5-1	4.7 7.4 1.4 nil
		Min: tr-0.5% f.g. diss'd Py scattered here and there	8654 8655	151.50 153.00	153.00 154.50	1.5 1.5	tr tr	0.8 nil

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
154.10	159.50	GREY SL. ALTERED F.P. As above with some short sections of red alt'n and qtz veins	8656	154.50	156.00	1.5	tr	nil
			8657	156.00	157.50	1.5	tr	nil
		Struct:	8658	157.50	159.00	1.5	tr	nil
		Fr'd and healed with qtz-carb	8659	159.00	160.50	1.5	tr	0.5
159.50	196.47	GREY BIOTITIC F.P. As above but with 10-20% f.g. biotite Magnetic						
		Struct:						
		Relatively massive with minor fracturing						
		Alt'n & Veins:						
		Minor pink alt'n here and there with a few % thin light grey qtz-calc. veins						
196.47	222.0	DIORITIC PORPHYRY Fresh, grey, m.g., magnetic						
		Struct:						
		Massive with major fracturing thru out Very blocky, numerous thin light grey calc. veins						
	222.0	END OF HOLE						
		DRILLING NOTES						
		Hole cemented from bottom to top						
		Casing pulled						
		BQ core drilled						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
South Rundle	Newton	200 degrees	28/07/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		-54 degrees	31/07/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1964.63N/3090.67E	151.22m	N. Morissette		
Grid No.	Section 670 SE	Collar Elev.	Logged By:		
	16.6m NE of ref.	4003.46m	C.P. Zorzi		
	line				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To							

		OBJECTIVES:-To test upper extension of east shoots around 660SE	DEPTH	MAZ	TRAZ	ESTAZ	DIP
			26ft		200	200.12	-54
			156ft		200	200.7	-54
0.0	3.96	CASING	310ft		200	201.43	-54
			496ft		200	202.26	-54

3.96 6.40 SHEARED CARBONATIZED U.M.
Pale green, f.g., relatively soft, non-magnetic

Struct:
Sheared with schist. at about 45 degrees

Alt'n & Veins:
Carb alt'n with light grey qtz and calc. veins

Min:
Small section with about 1-2% f.g. banded Py

6.40 15.10 CARBONATIZED POLYHEDRALLY JOINTED U.M.
Med. to light grey, f.g., relatively hard
Non-magnetic

Struct:
Good jointing with numerous thin 1-3mm calc. and qtz-carb infillings

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
15.10	17.15	SERICITIC SILICIFIED CARBONATE ROCK Yellow grey, f.g., non-magnetic with possible remnant porphyry structure and highly silicified						
		Struct: Highly fr'd						
		Alt'n & Veins: Numerous qtz-carb infillings with graphitic and chloritic infillings						
		Min: tr-1% f.g., patchy and wispy Py	8660	15.00	16.50	1.5	tr-1	0.3
			8661	16.50	18.00	1.5	tr-0.5	nil
17.15	32.29	SHEARED POLYHEDRALLY JOINTED U.M. As above						
		Struct: Good jointing with a minor schist. at 45 degrees						
		Veins: Numerous thin qtz-calc veins						
32.29	41.12	HIGHLY SHEARED AND BANDED ROCK Pale yellow green, non-magnetic with short ser'd F.P. sections						
		Struct: Highly sheared at 45 degrees Complete section of broken and blocky core						
		Alt'n & Veins: Highly carb'd with numerous qtz-carb veins Also strongly ser'd sections						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
41.42	53.10	RED ALTERED F.P. Brick red, f.g. to m.g., sl. magnetic						
		Struct: Sheared with minor schist. at 45 degrees						
		Alt'n & Veins: Good red carbonate alt'n with mod. amount of thin Q.C. veins and chl. infillings						
		Min:	8662	41.42	42.50	1.08	tr	nil
		tr f.g. diss'd Py	8663	42.50	44.00	1.5	tr	0.4
			8664	44.00	45.50	1.5	tr	0.3
			8665	45.50	47.00	1.5	tr	0.4
		Remarks:	8666	47.00	48.50	1.5	tr	0.5
		Section of cherty exhalite and U.M. 47.70-48.35	8667	48.50	50.00	1.5	tr	0.3
		and small alt'd volc 50.00-50.25	8668	50.00	51.50	1.5	tr	2.4
		From 52.20-52.80 lamp dyke	8669	51.50	52.20	0.70	tr	0.9
53.10	61.85	ALTERED MAFIC VOLC. Med. to dark grey, f.g., magnetic						
		Struct: Numerous randomly orientated small fractures						
		Alt'n & Veins: Minor garnetiferous sections with numerous 1-3mm light grey calc. and Q.C. veins	8670	53.10	54.50	1.4	tr-0.5	0.4
			8671	54.50	56.00	1.5	0.5-1	0.4
			8672	56.00	57.50	1.5	1-2	tr
		Min:	8673	57.50	59.00	1.5	0.5-1	0.5
		0.5-2% f.g. diss'n and wispy Py with higher conc. in select areas	8674	59.00	60.50	1.5	tr-0.5	tr
			8675	60.50	62.00	1.5	1-2	tr
61.85	65.65	FRACTURED LAMP DYKE Light to med. grey, f.g., magnetic						
		Struct: Highly fr'd with blocky and stretched core Probable fault						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
65.65	71.55	ALTERED MAFIC VOLC Dark grey to black, f.g., magnetic Struct: Fr'd thru out and healed Alt'n & Veins: Numerous thin wispy epidote veins and infillings with a similar amount of light grey calc. veins and garnetiferous patches Min: tr-0.5% diss'd Py						
71.55	72.40	LAMP DYKE Med. to dark grey, f.g., non-magnetic Struct: Massive with minor fractures and a few thin light grey calc. veins						
72.40	82.85	ALTERED MAFIC VOLC AND INTERLAYERED SLIGHTLY ALTERED F.P. As above with short sections of sl. alt'd F.P. Struct: Numerous minor fractures with infillings of Q.C. and calc. Alt'n: Cherty bands with minor red alt'n thru out Min: 0.5-2% f.g. diss'd Py	8676 8677 8678 8679 8680 8681 8682 8683 8684	72.40 74.00 75.50 77.00 78.50 80.00 81.50 83.00 84.50	74.00 75.50 77.00 78.50 80.00 81.50 83.00 84.50 85.90	1.6 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.4	tr-0.5 tr-0.5 tr-0.5 0.5-1 0.5-1 tr-0.5 tr-0.5 tr tr	tr tr tr 0.2 tr tr 1.0 tr tr

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
82.85	85.40	GREY SLIGHTLY ALTERED F.P. As above with a minor amount of red alt'n						
		Struct: Mod. fr'd and healed with qtz-carb and chl. infillings						
85.40	88.50	FRACTURED HBLD - FSP LAMP As above						
		Struct: Highly fr'd thru out, possible fault Last 1.5m not fr'd	8683	87.50	88.50	1.0	tr-0.5	0.1
88.50	91.20	RED ALTERED F.P. AND MAFIC VOLC (HYBRID ROCK) Purple red F.P. with clots of mafic volc						
		Struct: Highly fr'd and healed, good bx texture						
		Alt'n & Veins: Grey red cb. alt'n with purple cb. alt'n Q.C. veins and infillings thru out						
		Min: Py patches and diss'n 88.50-90.16 about 10% highly enriched zone	8684	88.50	90.00	1.5	B-12	2.4
			8685	90.00	91.50	1.5	tr-0.5	0.9
91.20	106.33	GREY RED ALTERED F.P. As above						
		Struct: Shattered with porphyry texture almost wiped out						
		Alt'n & Veins: Good red to beige alt'n with mod. amount of Q.C. veins and chl. infillings						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Min:	8686	91.50	93.00	1.5	tr	2.9
		tr-0.5% f.g. diss'd Py	8687	93.00	94.50	1.5	tr-0.5	2.8
			8688	94.50	96.00	1.5	0.5-1	4.5
		Remarks:	8689	96.00	97.50	1.5	tr	0.5
		Becoming less alt'd as one goes through the	8690	97.50	99.00	1.5	tr	tr
		section	8691	99.00	100.50	1.5	tr	1.7
			8692	100.50	102.00	1.5	tr	0.8
106.33	108.02	LAMP DYKE (DACITE) Light grey, f.g., massive, non-magnetic	AVG	88.5	94.5	6.0		2.3
		Struct: Massive with good chilled Cts.						
108.02	116.60	GREY RED ALTERED F.P. Q.V. As above						
		Struct: Fractured						
		Alt'n & Veins: Good red alt'n in places with mod. amount of Q.C. veins						
			8693	110.00	111.50	1.5	tr	0.5
		Min:	8694	111.50	113.00	1.5	tr	0.4
		tr diss'd Py	8695	115.70	116.70	1.0	tr	tr
116.60	151.22	GREY F.P. DIORITIC WITH LAMP DYKE As above, magnetic, fr'd thru out						
	151.22	END OF HOLE						
		DRILLING NOTES BQ core drilled, hole cemented thru out, casing pulled						
		GENERAL COMMENTS B North Zone from 88.50-91.20, red alt'd F.P. with alt'd mafic volcanics and containing 8-12% diss Py, should carry medium to high Au values over 1.5m						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
South Rundle	Newton	200 degrees	31/07/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		-51 degrees	02/08/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1995.046N/3070.455E	151.22m	Morisette		
Grid No.	Section 6406E	Collar Elev.	Logged By:		
	38.25m NE of ref	3999.413m	C.P.Zorzi		
	line				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To							

OBJECTIVES:-

0.0	4.0	CASING	DEPTH	MAZ	est	TRAZ	ESTAZ	DIP
			22ft	6.71	est	200	200.11	51
4.0	5.23	GREY F.P. DYKE	150ft	45.73	est	200	200.70	49
		Light grey, m.g., non-magnetic	300ft	91.46	est	200	201.37	49
			450ft	137.20	est	200	202.06	49
		Struct:	496ft	151.22	est	200	202.27	49

Fairly massive with mod. fractures that are healed with qtz

Alt'n & Veins:
 Light grey alt'n (carb'd?)
 Numerous thin 1-19mm white q.v.

Min:
 tr f.g. diss'd Py

5.23	8.05	MASSIVE GWK						
		Med. grey, f.g., with a few % detrital qtz grains						
		Non-magnetic						

Struct:
 Minor fractures

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Veins: Minor to mod. amount of thin light grey calc. veins						
8.05	13.23	BEDDED GRAPHITIC ARGILLITE AND SILTSTONE Black to light grey, f.g., non-magnetic						
		Struct: Good bedding and highly fr'd with minor calc. infillings						
		Min: Patches of submassive Py						
13.23	15.30	MASSIVE GWK As above						
		Struct: Minor fractures, a few thin light grey calc. veins						
15.30	21.35	GREY BIOTITIC F.P. DYKE As above but unalt'd						
		Struct: Massive						
		Veins: A few % thin light grey calc. with pervasive calc.						
21.35	25.90	GABBROIC - U.M. DYKE Med. green, f.g. with m.g. mafic phenos, magnetic						
		Struct: Predominantly massive with gabbroic texture						
		Veins: Mod. amount of 1mm-1cm calc. veins and patches						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
25.90	29.45	SHEARED U.M. FLOW Med. to light green, f.g., soft, non-magnetic Struct: Good schist. at about 45 to 60 degrees Veins: Numerous, about 40% calc. infillings and veinlets along schist.						
29.45	31.00	CARBONATIZED SILICIFIED F.P. AND U.M. Med. grey green, f.g. with preserved F.P. texture here and there Struct: Highly sheared Alt'n & Veins: Highly carb'd and sil'd with qtz and calc. infillings Min: tr f.g. diss'd Py	8697	29.45	30.45	1.0	tr-0.5	nil
31.00	32.60	POLYHEDRALLY JOINTED U.M. Med. grey green, f.g., non-magnetic, relatively hard Struct: Good jointing and fractures Alt'n & Veins: Sections show signs of carb'n, numerous thin light grey calc. veins						
32.60	34.55	ALTERED F.P. Grey green, f.g. matrix with m.g. fsp. phenos Struct: Highly sheared						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Alt'n & Veins: Probable carb'n and ser'n Numerous thin Q.C. veins						
		Min: Patches of f.g. submassive Py						
34.55	39.60	SHEARED SPINIFEXED U.M. As above						
		Struct: Highly sheared with schist. at about 45 to 60 degrees Good spx texture in places						
		Alt'n & Veins: As above but sl. more chloritic						
39.60	41.20	ALTERED F.P. Q.V. Grey brown, f.g. matrix with m.g. fsp. phenos						
		Struct: Highly sheared						
		Alt'n & Veins: Red brown cb. alt'n with possible ser'n Numerous <1mm-5mm Q.C. veins						
		Min: tr-0.5% f.g. diss'd Py	8698	39.60	40.60	1.0	0.5-1	0.9
			8699	40.60	41.20	0.6	tr-0.5	0.7
41.20	48.55	POLYHEDRALLY JOINTED U.M. As above						
		Struct: Good P.J'ing with some shearing.						
		Veins: Numerous calc. veins and infillings						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
48.55	53.25	ALTERED Q.V. F.P. As above Struct: Highly sheared Alt'n & Veins: As above Min: tr-0.5% f.g. diss'd Py Remarks: Sheared U.M. 49.95-50.70	8700	52.00	53.00	1.0	tr	--
53.25	71.80	POLYHEDRALLY JOINTED U.M. As above, sl. magnetic Struct: Mod. shearing and good polyhedral jointing Veins: Numerous thin calc. veins and chloritic infillings Min: tr f.g. wispy and patchy Py	8096	55.50	57.00	1.5	tr-0.5	tr
71.80	89.27	GREY RED ALTERED F.P. Grey red, f.g. matrix with m.g. phenos, magnetic Struct: Sheared Alt'n & Veins: Mod. amount of red alt'n with numerous thin light grey Q.C. veins and chloritic infillings and patches						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Min:	15205	73.30	74.30	1.0	tr	0.1
		tr-0.5% f.g. wispy and diss'd Py	15206	74.30	75.80	1.5	tr	tr
			15207	75.80	77.30	1.5	tr	tr
89.27	90.65	RED ALTERED F.P. Red, f.g., magnetic in places						
		Struct: Sheared						
		Alt'n & Veins: Good red brown alt'n with ser'n Numerous thin light grey Q.C. veins						
		Min:	15208	89.30	90.65	1.35	tr-0.5	0.3
		tr-0.5% f.g. diss'd Py						
90.65	91.95	GREY SLIGHTLY ALTERED F.P. As above						
		Struct: Sheared						
		Alt'n & Veins: Minor patches of red alt'n but quite sericitic						
91.95	93.00	RED ALTERED F.P. As above						
		Struct: Sheared						
		Alt'n & Veins: Good red alt'n, numerous thin Q.C. veins Sericitic infillings						
		Min:	15209	91.90	93.00	1.1	1-2	0.6
		1-2% f.g. diss'd Py						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Remarks: Start of Zone						
93.00	95.00	ALTERED MAFIC VOLC AND RED ALTERED F.P. (HYBRID ROCK) Mottled grey - red texture, only very sl. magnetic						
		Struct: Highly sheared						
		Alt'n & Veins: Volcanics - good light grey alt'n with Q.C. infillings F.P. - good grey-red cb. alt'n with Q.C. veins						
		Min: Overall 2-3% f.g. diss'd Py with patches up to 7%	15202	93.00	94.50	1.5	2-5	4.0****
95.00	96.17	RED ALTERED F.P. Grey red, f.g. with m.g. phenos (fsp)						
		Struct: Sheared and healed						
		Alt'n & Veins: Grey red cb. alt'n with Q.C. veins and sericite						
		Min: 2-3% f.g. diss'd Py	15203	94.50	96.00	1.5	2-3	tr**
96.17	97.60	ALTERED MAFIC VOLC. AND RED ALTERED F.P. (HYBRID ROCK) As above						
		Struct: Sheared and healed with bx texture						
		Alt'n & Veins: See 93.00-95.00						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Min: 5-10% f.g. diss'd Py with sections up to 15%	15204	96.00	97.50	1.5	8-10	3.2****
97.60	99.75	ALTERED MAFIC VOLC Med. to dark grey, f.g., magnetic Struct: Minor shearing Alt'n & Veins: Minor amount of light grey alt'n with a few thin light grey calc. and Q.C. veins						
		Min: tr Py	15210	97.50	99.00	1.5	tr-0.5	- nil
			15211	99.00	100.50	1.5	tr-0.5	- nil
99.75	101.50	RED ALTERED F.P. As above Struct: As above Alt'n & Veins: Good red brown alt'n with numerous light grey Q.C. veins						
		Min: tr-0.5% f.g. diss'd Py	15212	100.50	102.00	1.5	tr-0.5	-1.3
101.50	102.85	ALTERED MAFIC VOLC AND RED F.P. (HYBRID ROCK) As above Struct: Sheared and shattered Alt'n & Veins: Grey and red cb. alt'n with numerous thin light grey cb. veins						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Min:	15214	106.50	108.00	1.5	tr-0.5	0.7
		tr-0.5% f.g. diss'd Py	15215	109.00	110.50	1.5	tr-0.5	0.6
102.85	113.25	<i>ALT'D MAF. VOLC. mod. gy. f.g. sh. f.d. minor lgy cb. alt'n numerous thin alt'gy Q.C. + calc. veins tr - 1/2 % f.g. diss'd Py</i>	15216	111.00	112.50	1.5	tr-0.5	1.0
			15217	112.50	114.00	1.5	1-2	4.6*
			15218	114.00	115.50	1.5	tr-0.5	0.5**
113.25	116.15	RED ALTERED Q.V. F.P. As above but with Q.V. gradational to grey F.P.						
		Struct: Sheared						
		Alt'n & Veins: Red to grey alt'n with numerous Q.C. veins						
		Min: 1-2% f.g. diss'd and wispy Py						
116.15	118.15	INTERMEDIATE LAMP DYKE Grey green, f.g., magnetic						
		Struct: Massive						
		Veins: Very few thin calc. veins						
118.15	139.95	GREY RED ALTERED F.P. As above	15219	119.00	120.50	1.5	tr	3.4
			15220	120.50	122.00	1.5	tr	0.7
			15221	122.00	123.50	1.5	tr	tr
		Struct: Fractured	15222	133.00	134.50	1.5	tr	tr
			15223	134.50	135.50	1.0	tr	0.5
			15224	137.50	139.00	1.5	tr	0.5
		Alt'n & Veins: Mod. red to pink alt'n with numerous Q.C. veins	15225	139.00	140.00	1.0	tr	0.4

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
139.95	151.22	GREY F.P. As above						
		Struct: Fairly massive with mod. fractures						
		Veins: A few thin light grey Q.C. veins						
	151.22	END OF HOLE						
		DRILLING NOTES BQ core drilled Hole completely cemented Casing pulled						
		GENERAL COMMENTS 93.00-95.00 96.17-97.60 102.85-113.25						
		POSSIBLE B1 ZONE Alt'd mafic volc and red alt'd F.P. (hybrid rocks) 93.00-94.50 May be B1 Zone or B North - good light grey cb. alt'n with 5-10% f.g. diss'd Py - should yield good Au values, probably greater than 10g						
		B NORTH ZONE 96.17-97.60 Alt'd mafic volc and red alt'd F.P. (hybrid rocks) Good light grey cb. alt'n with 5-10% Py Should yield good Au values Small section of alt'd mafic volcs with minor light grey cb. alt'n and 1-2% Py may yield low to mod. grade Au						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
South Rundle	Newton	200 degrees	/ /		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		-56 degrees	06/08/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	2036.33N/3063.713E	207.13m	Bradley Bros.		
Grid No.	Section 620SE	Collar Elev.	Logged By:		
	75.0m NE of ref line	3998.240m	C.P. Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To							

		OBJECTIVES:-	DEPTH	MAZ	TRAZ	ESTAZ	DIP	REMARKS
			6.71			199.8	-55	Acid test
0.0	3.96	CASING	46.95			199.6	-54	"
			91.44			199.4	-53	"
3.96	26.86	MASSIVE GWK	152.44			199.2	-51	"
		Pale to med. grey, f.g., magnetic	205.79	206.5	199	199.0	-47	Tropari

Struct:
Fractured

Alt'n & Veins:
Numerous calc. patches and veins with minor epidote alt'n

26.86	28.55	<p>BEDDED GRAPHITIC ARGILLITE</p> <p>Black, f.g., well bedded at 45 degrees</p> <p>Thin calc. bands infilling between beds</p> <p>Highly fr'd along bedding planes</p>
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28.55	40.82	<p>SHEARED POLY-JOINTED U.M. FLOW</p> <p>Med. grey green, f.g., soft</p>
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Struct:
Sheared thru out with schist. at about 45 degrees
Good jointing and minor amount of spx

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %		ASSAYS
From	To						Py	Au	
		Veins: Numerous calc. veins thru out							
40.82	43.65	ARGILLITE BRECCIA Black, f.g., magnetic							
		Struct: Well bx'd with argillite clasts from 3mm to 1cm in chl. argillite matrix							
		Remarks: Grey F.P. dyke 41.13-41.80							
43.65	49.10	MASSIVE GWK As above							
		Struct: Sl. more fracturing than the above units							
49.10	53.85	BEDDED GRAPHITIC ARGILLITE AND SILTSTONE As above but with beds of siltstone							
		Min: Clots of f.g. Py							
53.88	63.65	SHEARED SPX'D POLY-JOINTED U.M. As above							
		Struct: Mod. amount of spx with poly-jointing thru out Alt'd with schist. at about 45 degrees More chloritic and serpentanized than above							
63.65	71.87	GREY F.P. DYKE Pale to light grey, f.g. matrix with m.g. fsp phenos							
		Struct: Relatively massive with a few fractures							

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Struct: Relatively massive with a few fractures						
		Veins: Mod. amount of thin 1-2mm light grey calc. veins	10023	73.	74.5	1.5	1/2%	tr
71.89	90.17	SHEARED CARBONATIZED SILICIFIED U.M. Pale yellow green, relatively hard, non-magnetic	10024	74.5	76.0	1.5	tr	nil
			10025	76.0	77.5	1.5	tr	tr
			10026	77.5	79.0	1.5	tr	0.2
			10027	79.0	80.5	1.5	-	nil
		Struct: Highly sheared with schist. at 45 degrees						
		Alt'n & Veins: Highly cb'd and sil'd with numerous qtz veins and infillings						
		Min: tr f.g. wispy and diss'd Py	15226	80.50	82.00	1.5	1-2	0.4
			15227	82.00	83.50	1.5	1-2	14.0
		Remarks: Short F.P. sections reflected in sampling with 1-2% f.g. diss'd Py	10028	83.5	85.0	1.5	1/2%	3.2
			15227	85.0	86.5	1.5	1-2	3.7
90.17	101.30	SHEARED U.M. (POLYHEDRALLY JOINTED) As above	10029	86.5	87.5	1.0	1/2%	5.6
			10030	87.5	88.5	1.0	1-2%	13.1
			15228	88.5	90.0	1.5	"	4.2
		Struct: Good shearing at about 45 degrees Good poly jointing Numerous thin light grey calc. veins	10031	90.0	90.3	0.3	2	3.6
			10032	90.3	91.4	1.1	tr	0.1
			10033	91.4	91.9	0.5	1	0.6
			10034	91.9	92.9	1.0	-	nil.
101.30	122.15	ALTERED MAFIC VOLCANICS Med. grey, f.g., magnetic						
		Struct: Numerous small fractures healed with calc. and epidote						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Veins: Mod. amount of thin 1-2mm light grey calc. veins						
71.89	90.17	SHEARED CARB'D SILICIFIED U.M. Pale yellow green, relatively hard, non-magnetic						
		Struct: Highly sheared with schist. at 45 degrees						
		Alt'n & Veins: Highly carb'd and sil'd with numerous qtz veins and infillings 87.0-90.2 stockwork 25-40% grey qtz						
			10023	73.0	74.5	1.5	0.5	-
		Min:	10024	74.5	76.0	1.5	tr	-
		tr f.g. wispy and diss'd Py	10025	76.0	77.5	1.5	tr	-
			10026	77.5	79.0	1.5	tr	-
		Remarks:	10027	79.0	80.5	1.5	-	-
		Short F.P. sections reflected in sampling with	15226	80.5	82.0	1.5	1-2	0.4
		1-2% f.g. diss'd Py	15229	82.0	83.5	1.5	1-2	14.0
		73.0-77.8 sheared, carb'd U.M. with pale green	10028	83.5	85.0	1.5	0.5%	-
		mica (fuchsite?)	10029	85.0	86.5	1.5	1-2	3.7
		77.8-81.0 alt'd mafic volc	10030	87.5	88.5	1.0	0.5%	-
		81.0-85.2 alt'd sil ser F.P. with minor incl	15228	88.5	90.0	1.5	1-2	4.2
		partings of sil exhalite and T.C.C.S.	10031	90.0	90.3	0.3	2%	-
		86.2-88.8 sil'd T.C.C.S.	10032	90.3	91.4	1.1	tr	-
		88.8-90.2 alt'd sil'd F.P.	10033	91.4	91.9	0.5	1%	-
		90.2-94.5 T.C.C.S. with alt'd sil and weakly	10034	91.9	92.9	1.0	-	-
		Py F.P. from 91.6-92.0						
90.17	101.30	SHEARED U.M. (POLY-JOINTED) As above						
		Struct: Good shearing at about 45 degrees T.C.A.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Min: tr f.g. diss'd Py	15230	121.0	122.5	1.5	tr	tr
122.15	123.12	GREY SLIGHTLY ALTERED F.P. Grey, f.g. matrix with f.g. to m.g. phenos Magnetic Struct: Fractured Alt'n & Veins: Sl. red tinge with a few thin light grey calc. veins						
		Min: tr-1% f.g. diss'd Py	15231	122.5	124.0	1.5	0.5-1	-
123.12	132.80	SPX'D POLY-JOINTED U.M. As above Struct: As above						
132.80	137.80	HBLD - FSP DYKE (LAMP) Green brown, f.g., with about 50-50 hbl'd - fsp Struct: Massive with minor fractures Good chilled Cts. Veins: Fair amount of calc. veins						
137.80	141.90	ALTERED MAFIC VOLC AND RED ALTERED F.P. (HYBRID ROCK) Mottled purple grey to red, very hard, volcanics and F.P.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Struct: Sheared thru out						
		Alt'n & Veins: Cb. alt'n thru out and silicified Numerous thin light grey qtz-calc. veins						
		Min:	15232	137.80	139.30	1.5	1-2	3.2
		2-3% f.g. diss'd Py	15233	139.30	140.80	1.5	tr-0.5%	1.2
			15234	140.80	142.30	1.5	tr-0.5%	1.1
141.90	144.30	ALTERED MAFIC VOLC. Dark grey to black, f.g., magnetic						
		Struct: Bx'd. looks like aquagene tuff						
		Veins: Numerous thin calc. veins						
		Min:	15235	142.30	143.80	1.5	5-8	0.9
		5-8% f.g. diss'd Py						
144.30	151.60	RED ALTERED F.P. Red, f.g., matrix with f.g. to m.g. fsp phenos						
		Struct: Fractured						
		Alt'n & Veins: Good red cb alt'n with some minor light grey cb. alt'n, numerous thin Q.C. veins						
		Min:	15236	145.00	146.50	1.5	tr	tr
		tr f.g. diss'd Py	15237	146.50	148.00	1.5	tr	tr
			15238	148.00	149.50	1.5	tr	tr
151.60	153.15	LAMP DYKE Struct: Fr'd possible fault zone						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
153.15	158.35	ALTERED MAFIC VOLC As above						
		Struct: Numerous minor fractures						
		Alt'n & Veins: Light grey alt'n around Q.C. veins						
		Min:	15239	153.00	154.50	1.5	tr	1.0
		tr-0.55 diss'd Py	15240	154.50	156.00	1.5	tr-0.5%	1.2
			15241	156.00	157.50	1.5	tr-0.5%	0.7
		Remarks: Aplite dyke 155.70-156.40						
158.35	162.35	INTERLAYERED GREY F.P. AND LAMP DYKE As above						
		Struct; Highly fr'd, possible fault zone						
162.35	170.85	RED ALTERED F.P. As above						
		Struct: Minor fractures						
		Alt'n & Veins: Good red cb. alt'n with minor grey cb. alt'n and mod. amount of Q.C. veins	15242	163.00	164.50	1.5	tr	0.6
			15243	164.50	166.00	1.5	tr	tr
			15244	166.00	167.50	1.5	tr	0.4
		Min:	15245	167.50	169.00	1.5	tr-0.5	8.8
		tr f.g. diss'd Py	15246	169.00	170.50	1.5	tr	0.3
170.85	207.13	GREY BIOTITIC F.P. Light to med. grey, f.g., biotitic matrix with f.g. to m.g. fsp phenos						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							

Struct:
Mod. fractures

Veins:
A few % thin light grey calc. veins

15247	202.25	203.60	1.35	tr	0.4
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207.13 END OF HOLE

DRILLING NOTES
BQ core drilled
Casing pulled
Hole cemented

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
South Rundle	Newton	198 degrees	06/08/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		-68 degrees	19/08/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	2027.01N/3305.86E	532.15	Bradley Bros.		
Grid No.	Section 850 SE	Collar Elev.	Logged By:		
		1999.49	A. Sower		
			C.P. Zorzi		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS	
From	To							* Calc'd from aug gyro drift curve:	
		OBJECTIVES:-							
			DEPTH	Mag. Az	Tr. Azm.	Cal'd # Azm	Dip		
0.0	4.0	CASING	10.98			197.9	68.	acid test	
			45.7			197.75	66.5	"	
4.00	18.28	MASSIVE GWK Med grey, f.g., magnetic	91.4			197.5	66	"	
			139.0			197.4	63	"	
		Struct: Massive with small healed fractures		217.5	210°		63	trapezi	
			228.7			198.0	63	acid test	
			276.1			198.5	62	"	
		Veins: Numerous thin light grey calc. veins	320			200.8	62	"	
			365.7			200.8	61	"	
			413.3			200.8	57	"	
18.28	23.8	DACITE LAMP DYKE light grey, f.g., small siltstone beds here and there	459.0			200.8	58	"	
			504.7			200.8	57	"	
			532.2			200.8	57	"	
		Struct: Schist. at 10 degrees							
23.8	25.3	MASSIVE GWK - MAFIC VOLC As above but appears to be more of a volc rock							
		Struct: As above							

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Veins: A few % thin light grey calc. veins						
75.20	92.80	MASSIVE AMPHIB'D GWK - GWK As above, magnetic						
		Struct: Massive with a few fractures healed with calc.						
92.80	96.00	GREY BIOTITIC F.P. As above, sl. magnetic						
		Struct: Massive with minor fractures healed with calc. Cts. sharp but irregular						
96.00	101.20	MASSIVE GWK - AMPHIB'D As above but becoming sl. less amphib'c Magnetic						
		Struct: As above						
101.20	104.20	GREY BIOTITIC F.P. As above, sl. magnetic						
		Struct: Massive with a few minor fractures Chloritic slips lining the fractures Minor epidote alt'n						
104.20	113.93	MASSIVE GWK As above, magnetic						
		Struct: As above						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
113.93	118.80	GREY BIOTITIC F.P. As above, sl. magnetic Struct: Highlt fr'd with broken core A few thin light grey calc. veins						
118.80	121.75	MASSIVE GWK As above, magnetic Struct: Massive with minor fractures and a few thin light grey calc. veins						
121.75	131.00	HBLD - FSP. PORPHYRY DYKE Grey red, f.g. matrix with 40-60% f.g. to m.g. fsp and f.g. to m.g. hbl'd, non-magnetic Struct: Fr'd with minor blocky sections Veins: A few thin light grey calc. veins Minor epidote alt'n						
131.00	134.50	FRACTURED LAMP DYKE AND GWK Interlayered lamp and gwk, grey green, f.g., magnetic Struct: Well fr'd with broken and blocky sections Minor epidote alt'n						
134.50	144.55	GREY SLIGHTLY ALTERED F.P. As above, non-magnetic Struct: Mod. fracturing with short blocky section						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Alt'n & Veins: Becoming more alt'd towards the end of the section with wisps of epidote, numerous thin light grey Q.C. and calc. veins						
144.55	168.30	DIABASE DYKE Dark grey to black, m.g. with tr-1% f.g. to m.g. fsp. crystals, strongly magnetic with 10-15% f.g. magnetite						
		Struct: Fr'd over the first 1.5m then becoming massive						
		Alt'ns: Short epidote bands 1-2mm to 5cm thick						
168.30	173.73	INTERMEDIATE TO FELSIC DYKE Grey brown, f.g. with m.g. enehedral to subhedral fsp. phenos, non-magnetic						
		Struct: Hairline fractures healed with calc. Schist. at 45 degrees Minor red alt'n						
173.73	182.35	HBLD - FSP PORPHYRY (MATRIX DOMINANT) DYKE As above 121.75-131.00 but maybe tr-1% m.g. to c.g. subhedral fsp. phenos Hbld phenos m.g. to clots of c.g. hbld						
		Struct: Relatively massive with gradational Cts. Numerous thin light grey calc. veins alt'd by epidote Ruggy appearance here and there						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
182.35	188.45	GREY F.P. DYKE As above Struct: Relatively massive with a few small fractures Slip phenos appear to be lined with calc. and epidote Veins: A few thin light grey calc. and epidote veins						
188.45	197.48	MASSIVE GWK - AMPHIB'D As above, magnetic Struct: Massive with minor fractures Numerous thin light grey calc. veins and patches of calc.						
197.48	200.45	HBLD - FSP. PORPHYRY DYKE As above Struct: Massive with mod. amount of thin light grey calc. veins Minor epidote alt'n in some of the veins						
200.45	227.80	MASSIVE GWK - AMPHIB'D As above, magnetic Struct: Massive with minor fractures Numerous calc. patches and thin veins						
227.80	229.60	HBLD - FSP. PORPHYRY DYKE As above Struct: Massive						

NETRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
229.60	230.60	MASSIVE GWK - AMPHIB'D As above Struct: Massive						
230.60	234.00	HBLD - FSP. PORPHYRY DYKE As above, more subhedral hbl'd phenos Struct: Massive with a few thin calc. veins						
234.00	237.50	MASSIVE GWK - AMPHIB'D As above Struct: Massive with minor epidote alt'n in and around calc. veins						
237.50	244.77	GREY F.P. (MATRIX DOMINANT) Light grey 85% f.g. matrix with 15% f.g. to m.g. subhedral fsp phenos, magnetic Struct: Massive with a few thin light grey calc. veins						
244.77	256.30	MASSIVE GWK - AMPHIB'D As above Struct: As above with more epidote veining in the section						
256.30	263.45	AMPHIB'D GWK - PILLOW MAFIC VOLC Dark grey green, f.g. to m.g., magnetic Struct: Massive with the last 1m being fr'd Possible pillow selvages						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t
		Veins: A few % thin light grey calc. and epidote veins						
263.45	270.37	GREY F.P. As above, sl. magnetic, two sizes of fsp						
		Struct: Minor fracturing, chl. slips Lower Ct. well defined at 30 degrees						
270.37	274.25	ARGILLITE - GWK F.g., dark grey green, f.g. argillite Mod. magnetic 1-3% v.f.g. Py Locally gf. 272.75-272.87 unit is sheared with calc. veining at 35-40 degrees 272.87-274.25 unit is pale green with homofelsic texture 20% f.g. biot., porphyry clasts speckled thru out, Ct. with next unit is at 60 degrees						
		Struct: Massive faint irregular banding						
		Veins: A few % calc. veins up to 1cm thick Most commonly at 30 to 40 degrees						
274.25	280.15	GREY F.P. Grey, m.g. F.P. Only locally very weakly magnetic only a faint trace of Py 279.26-279.35 short finer grained weakly alt'd section Ct. with next unit marked by narrow qtz carb vein						
		Struct: Very few chl. slips						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Veins: Narrow mm scale calc. veins at a low angle						
280.15	302.77	AMPHIB'D GWK Dark grey, m.g. amph F.g. to m.g., some biot flakes Locally minor qtz Weak to mod. magnetic 1-2% f.g. diss'd Py						
		Alt'n & Veins: Dolomite vein with fragments of qtz Cts. at 35 to 40 degrees A few mm to cm scale calc. veins at various angles 286.75-294.49 5-10% fine hairline fractures at various angles healed with epidote and calc. Most intense section of epidote alt'n 300.40-300.66 qtz carb gash vein, minor Py 301.05-301.21 fectonic bx, weakly sil'd, sl. reddish hem alt'n, tr Py						
		Struct: Massive, expect for veins matured above						
		Remarks: Narrow band of grey fsp 280.39-280.43 at 70 degrees Narrow 2-3mm band of magnetite, minor f.g. diss'd Py at 55 degrees at 291.57 Band may be related to calc. vein Gradational Ct. with next unit	15248	300.40	301.40	1.0	tr	nil
302.77	321.29	GWK Massive, dark grey, f.g. to m.g. meta gwk Locally minor qtz, tr Py Mod. magnetic 320.77-312.68 unit is quite calciferous						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Alt'n & Veins: Wispy veins and patches of qtz-carb alt'n Also from scale fractures filled with qtz-carb in this section Only 5% qtz-carb veins 312.68-321.29 Gradational Ct. with next unit						
321.29	324.38	SPOTTED ARGILLITE OR GWK F.g. dark grey meta arg. to gwk Speckled with mm scale specks of calc. % of specks varies from 1-2% from 321.29-321.90 to 5% from 321.90-322.80 to 10% from 322.80-323.70 and only a few specks below that						
		Struct: Unit is well fol'd at 40 degrees						
		Veins: A few fine fractures healed with qtz-calc. Locally minor epidote Hairline fracture filled with f.g. Py at 322.19						
324.38	332.20	BX'D ARGILLITE F.g. dark grey meta arg., locally green Cut by 10% fractures healed by qtz calc. veins Bx'd sections which predate the qtz carb veining at 324.68-325.15 and scattered thru rest of unit 1-2% scattered m.g. Py, locally up to 2mm in dia.						
		Struct: Healed bx zones thru out unit one from 324.68-325.15 shows strong orientation at 55 degrees						
		Veins: 5-10% later off white qtz-calc. veins Gradational Ct. with next unit						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
322.20	338.16	<p>AMPHIB'D GWK M.g., dark to med. grey meta gwk A few visible qtz grains Dusted with 1% v.f.g. diss'd Py Non-magnetic</p> <p>Struct: Massive with 1-2% fine fractures healed with qtz-calc. Minor epidote assoc with qtz-calc. below 335.5 Gradational Ct. with next unit</p>						
338.16	353.12	<p>ARGILLITE - GWK Dark greenish grey, f.g., meta arg. - gwk 1-2% f.g. diss'd Py, locally up to 2-3%</p> <p>Struct: 5% qtz-carb veins in irregular fractures Locally minor epidote, hairline to 1cm fractures at various angles Bx zone 345.35-345.75 5% f.g. to m.g. po speckled thru out</p>	15249	342.75	344.25	1.5	1-2	0.1
			15250	344.25	345.35	1.1	1-2	0.0
			15251	345.35	345.75	0.4	5%	0.6
			15252	345.75	346.85	1.1	1-2	0.0
353.12	357.25	<p>SPECKLED ARGILLITE - GWK As above but speckled with spots of calc. up to 1mm in dia.</p> <p>Struct: As above</p> <p>Alt'n: 357.01-357.25 unit is bleached with pale grey as bx. zone is approached at Ct. of next unit Ct. with next unit marked by bx Ct. well defined at 40 degrees</p>						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
357.25	366.21	SHEARED CARBONATE ROCK	15253	357.25	358.64	1.39	2%	0.0
		Pale green grey, f.g., siliceous - carbonate	15254	358.64	360.10	1.46	1%	tr
		fock, reacts with conc acid	15255	360.10	361.00	0.90	3%	0.3
		Very hard, f.g., possible pred diopside	15256	361.00	362.50	1.50	1%	0.1
		1-2% f.g. diss'd Py	15257	362.50	364.00	1.50	1%	0.1
		Struct:	15258	364.00	364.50	0.50	1%	0.7
		Well fol'd at 30 degrees, increasing to	15259	364.50	365.00	0.50	1%	0.2
		45 degrees towards base of unit	15260	365.00	366.21	1.21	tr	2.0
		357.25-358.64 bx'd texture, pale green						
		fragments in a pale grey matrix						
		361.00-364.35 unit has bx'd texture and is						
		ser'c with f.g. yellow ser.						
		Calcsilicates are alt'd darker green						
		Some fine white carb. veins						
		365.70-366.21 patches of red alt'd porphyry						
		Min:						
		1-2% f.g. diss'd Py thru out						
		Band of 5-10% f.g. Py in bx 357.48-357.54						
		Streaks of f.g. Py in grey rock						
		Streaks and patches of f.g. massive Py						
		Remarks:						
		Well fol'd f.g. pale grey bands at 360.10-360.35						
		and 360.67-361.00 at 10 degrees						
		Ct. with porphyry sharp at 26 degrees						
366.21	370.19	PINK BIOTITIC F.P.						
		Pale pink, f.g. F.P.						
		Mottled pale green grey						
		Weakly alt'd, f.g. biotite remains, a few fsp						
		Matrix dominant						
		Struct:						
		Massive, tends to break along chl. slips						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	
		<p>Veins: A few white dolomite veins subparallel to core filling narrow fractures</p> <p>Alt'n: Pale pink minor chl, shadows of fsp. remain F.g. biot. remains</p> <p>Min: Locally up to 2% f.g. Py but < 4% overall</p> <p>Remarks: Inclusion of mafic volc. 368.93-396.63 Gradational Ct. with next unit</p>						
370.19	380.47	<p>PINK ALTERED F.P. Colour as above Fsp's only locally observed Only traces f.g. diss'd biot. speckled with fine flakes of muscovite</p> <p>Alt'n: Weakly alt'd, locally some relict fsp. biot. Alt'n becomes less intense towards base of unit grading into next unit</p> <p>Veins: White dolomite veins scattered thru out Generally < 1%, sections with 3-4% veins 370.64-371.34 Fine carb veins pred. dolomite in fract. at about 40 degrees 378.47-380.47</p> <p>Struct: Weak fabric at 40 to 50 degrees</p>						
		<p>Min: tr Py, locally up to 1%</p>	15261	373.44	374.94	1.50	1%	0.1
			15262	374.94	376.44	1.50	1%	tr

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
380.47	385.14	GREY F.P. WEAKLY ALTERED Grey tinged red, m.g., F.P. 2-3% f.g. biot. flakes Alt'n: Weak chem-chl. alt'n tinged unit red Veins: A few narrow calc. veins at 35-40 degrees A few white dolomite veins in upper part, dolomite disappears with depth Struct: See "Veins" Min: Only locally faint tr Py Remarks: Round patches of green calcsilicate on one side of the core 384.2-384.28						
385.14	389.19	ALTERED MAFIC VOLC Dark greenish grey, f.g., mafic volc Alt'n: Pervasive carb alt'n thru out unit Most of unit is qtz-calc. 385.14-386.62 pale grey to reddish alt'n Minor hem. Struct: Weak fabric fract. healed with calc. thr out Veins: 3-4% calc. veins at 30 degrees 388.48-389.19 a few milky white dolomite veins at 40 degrees						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Some brown carb clasts assoc'd with narrow bx zones and dolomite veins at 45 degrees at 385.68-385.73						
		Min: 1-2% v.f.g. diss'd Py assoc'd with alt'd section 385.14-386.62 tr-1% f.g. diss'd Py in mafic volc						
		Remarks:	15263	385.14	386.62	1.48	1-2%	tr
		Lower Ct. with lamp dyke sharp at 50 degrees	15264	386.62	388.12	1.50	1%	tr
		Band of red f.g. F.P. 386.62-386.74	15265	388.12	389.19	1.07	1%	0.3
389.19	398.13	GREY F.P. WITH AMPROPHYRE DYKES Grey m.g. to c.g. f.p. cut by lamp. dykes. Sections of lamp 389.19-389.60, upper ct. 35 degrees T.C.A. lower ct 40 degrees T.C.A., 391.45-392.95. Upper ct at 40 degrees T.C.A. lower ct at 40 degrees T.C.A., 393.41-393.79. Upper ct at 55 degrees T.C.A., lower ct at 30 degrees, narrow band of lamprophyre at 30 degrees T.C.A. from 393.85-393.96						
		Alt'n: Tinged red due to hematite-chlorite-calcite alt'n Only weakly alt'd weakly calcite-alt'n increases towards base.						
		Struct: 3% fine hairline fractures healed with calcite 12 rpbs generally well foliated paralell to contacts.						
		Veins: Series of narrow 1mm dolomite veins at 35 degrees T.C.A. at 390.20, 340.28, 390.33, 390.48.						
		Min'n: Conc'n						
		Remarks: Lower contact gradational.						
398.1	403.05	PINK TO GREY WEAKLY ALT'D F.P. m.g. pk to grey f.p.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Alt'n: Calcareous due to calcite alt'n. Moderate chl-hem alt', -feldspars still and visible as ghosts-no biotite., alt'n increases with depth. Struct: Weak fabric at 40 degrees T.C.A. Veins: Calcitic infilling of fine hairline fractures. Locally minor dolomite Min'n: tr f.g. Py Remarks: narrow well foliated sheared large dike at 30 degrees T.C.A., 401.54-401.62. Mafic inclusion. 402.58-402.74. Gradational transition to next unit						
403.05	408.93	PINK ALT'D F.P. Pale greyish pink f.g. to m.g. f.p. Alt'n: Highly alt'd. No relict feldspars. Minor line biotite. Carbonate alt'n dominantly dolomitic. Struct: Weak layer fabric at about 40 degrees T.C.A Veins: Small irregular dolomite veins up to 5m across throughout as part of dolomite carbonate alt'n Min'n: 2-3% f.g. diss pyrite associated with brick red alt'd highly dolomatized section 403.03-403.45. Tr to nil f.g. py in rest of section. Remarks: Well fol'd large dykes 405.78-405.03 406.79-406.8333 Narrow breccia'zone at 45 degrees T.C.A 406.22-406.27	15266 15267	403.03 403.45	403.45 404.53	0.42 1.08	2-3% tr	0.1 tr
407.93	410.41	HYBRID ZONE Pale pink to reddish alt'd f.p.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		30-40% pale grey Alt'd inclusions of mafic volcanics. Inclusions are mod. magnetic.						
		Alt'n: No feldspar veins. Carbonate is dolomite.						
		Struct: Weak fabric at 40 degrees T.C.A. Contacts of inclusions also at 40 degrees T.C.A. most often.						
		Veins: shot through with narrow dolomite veinlets. Also white dolomite infilling fractures in inclusions.						
		Min'n: 1-2% of g. diss Py in inclusions tr-1% u/g diss py in porphyry.	15268	407.93	408.63	0.70	1-2%	tr
			15269	408.63	410.43	1.80	1-2%	tr
410.41	418.82	PINK ALT'D F.P. Pale greenish greyish pink. f.g. alt'd f.p. No relict feldspars. Completely alt'd f.g. texture.						
		Alt'n: Carbonitized. fine charline fractures throughout filled with dolomite. Completely alt'd, no feldspars or bio veins. Fine dark greenish grey chlorite. Core stained yellow 410.41-411.10. Alt'n decreases with depth.						
		Struct: Weak fabric 40 degrees T.C.A.						
		Veins: shot through with fine hairline fractures healed with dolomite. Also later qtz-dolomite veins up to 15 mm thick at 25-30 degrees T.C.A. at 413.99, 411.10, 415.05 415.58 417.42. Unit highly sheared: 410.43-410.60						
		Min'n: Only a very faint trace f.g. diss PY						
		Remarks: Unit is shot thru with a network of narrow mm to 1-2cm scale pink aplitic dykes from:						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		414.77-415.75. 2nd; 415.95-416.73 These predate carb. alt'n. Gradational contact with next unit.						
418.82	430.65	PINK MODERATELY ALTERED F.P. Pink to brick red to pale greenish Alt'n: Moderately alt'd. Locally faint calcite feldspars and f.g. chloritic biotite. Shot thru in 3-4% fine hairline fractures. Healed with dolomite-qtz Intensity of alt'n diminishes with depth. Struct: hairline fractures. see 'alt'n' Veins: See 'alt'n' Min'n: Only very faint trace v.f.g. diss Py Remarks: isolated volcanic inclusions up to 2-3cm dia at 425.40, 425.52, 428.55, 429.89-429.95 Irregular ct with next unit at 40-45 degrees T.C.A.						
430.65	432.55	HYBRID ZONE Alt'd mafic volcanics and alt'd f.p. 430.65-430.89: Alt'd pale grey mafic volc. ct at 30-35 degrees T.C.A. 430.89-431.17: Pale greyish pink alt'd. f.p. lower ct at 35 degrees T.C.A. 431.17-431.58: Grey v.f.g. alt'd mafic volc. 431.58-431.82: Highly alt'd hematitic-chloritic f.p. lower ct irregular at 10-15 degrees T.C.A. F.g. pale grey alt'd mafic volcanic 431.82-432.55 Alt'n: volcanics with alt'd pale grey f.g. Pervasive calcite in volcanics. Not as noticeable in porphyry is chloritic section from 431.58-431.82 being extremely hematitic and chloritic. Struct: contacts of inclusions. See above. Fine hairline fractures filled with calcite, minor dolomite	15270	430.65	431.50	0.85	1-2%	tr
			15271	431.50	432.55	1.05	3%	tr
			15272	432.55	433.00	0.45	tr	2.1(2.4)

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
Veins: See fractures under 'struct'								
Min'n: v.f.g. diss Py in alt'd vocls. along with f.g. py as fine fractures filling. Minor v.f.g. diss Py in porphyry								
430.65-430.89 est. 1% Py								
430.89-431.17 est. faint trace Py								
431.17-431.58 est. 2-3% Py								
431.58-431.82 est. 3-4% Py								
431.82-432.55 est. 3-4% Py								
Remarks: Sharp ct with next unit at 40 degrees.								
432.55	448.38	PINK TO GREY ALT'D PORPHYRY Pink to grey mod alt'd porphyry						
Alt'n: Relict feldspars visible 3-4% f.g. diss Py. Moderately chloritic. 3-4% fine hairline fractures healed with dolomite qtz 443.50-448.38 Potassic alt'n(?) 1-2% f.g. pale mica (muscovite)								
Struct: Weak fabric at 40 degrees T.C.A. more intensely alt'd sections are f.g. massive								
			15273	437.7	438.2	0.5	0.5-1%	nil
			15274	438.2	439.2	1.0	0.5%	tr
		Veins: Narrow qtz veins with specular hematite filling fractures.	15275	439.2	439.7	0.5	0.5-1%	1.0
			15276	443.5	445.0	1.5	tr	tr
		Min'n: Generally very faint trace Py	15277	445.0	446.5	1.5	tr	0.2
		Est 0.5-1% Py at 437.7-438.2; 2nd 439.2-439.7	15278	446.5	448.0	1.5	tr	0.1
448.38	455.60	GREY F.F/ Fairly fresh grey f.p. 3-5% f.g. b.b.						
Alt'n: Decreases with depth. Unit becomes green. Carbonate alt'n changes from dolomitic to calcitic at 455-456.								
Struct: Massive, hairline fractures filled with carbonate								

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Veins: Just fine carbonate veins.						
		Min'n: Locally trace Py						
455.60	458.52	LAMP DYKE Grey-green foliated lamp dyke Foliated at 40-45 degrees. T.C.A. biotitic. Upper and lower cts sharp at 40 degrees T.C.A.						
458.52	464.50	FRESH GREY PORPHYRY Grey m.g. fresh f.p. 5-10% f.g. diss bio. Alt'n: Fresh. Struct: 2% fine hairline fractures, healed with calcite Veins: Only fine hairline fractures above. Min'n: Locally very faint trace Py						
464.50	465.26	DIORITIC FELDSPAR PORPHYRY dioritic phase of above unit --quite calcitic.						
465.26	466.93	LAMP DYKE dk green grey f.g. lamp dyke Speckled in 3-5% books of m.g. bio. Quite calcitic. Remarks: Cut by narrow aplite dyke. 465.79-465.84 at 40% T.C.A. 466.33-466.37-- at 30 degrees T.C.A. Feldspar porphyry dyke at 35 degrees T.C.A. 466.43-466.53.						
466.93	472.16	ALT'D GREY F.P. Med. grey tinged slightly red f.p.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Alt'n: Reddish alt'n due to hem-chl alt'n Feldspars still visible. Locally bio remains. 1-2% fine hairline fractures healed with calc.						
		Remarks: diffuse irregular contact with next unit						
42.16	477.76	MAFIC VOLCANICS Dk greenish grey f.g. mafic volcs.						
		Alt'n: Minor calcite in local hairline fractures. Recrystallized m.g. from 472.16-474.40						
		Struct: Fairly massive						
		Min'n: 3-4% Py from 472.16-474.40 in common	15279	472.15	473.25	1.10	3-4%	tr
			15280	473.25	474.40	1.15	3-4/5	tr
		Remarks: Sections grey porphyry: 475.40-476.23 and 476.57-476.75. Cts at 40 degrees T.C.A.						
477.76	482.88	GREY F.P. M.g. grey f.p. dyke 3-4% f.g. biotite.						
		Alt'n: Locally slightly pink hematitic, chloritic.						
		Struct: Few chloritic slips at 15 degrees T.C.A.						
		Veins: 0.5cm pink hematitic vein of f.g. qtz sub-parallel T.C.A. 480.55-480.17						
		Remarks: Lower ct well defined 70-75 degrees T.C.A.						
482.88	494.68	MAFIC VOLC WITH DYKES GREY F.P. dk grey f.g. mafic volcs. Possibly gwk.						
		Struct: Massive cut by few fine hairline fractures healed with qtz calcite.						
		Veins: Locally slightly hematitic qtz veins.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Min's: tr to 1% f.g. Py						
		Remarks: dykes of fresh grey f.p. at 15-20 degrees. T.C.A. 484.88-485.15, 485.26-485.44, 486.25-486.96 at 40 degrees T.C.A. Irregular patches grey f.p. 490.04-490.16, 490.19-490.22 492.69-492.77. Lower ct sharp at 50 degrees T.C.A.						
44.68	497.80	LAMPROPHYRE DYKE Greenish grey f.g. to m.g. lamp dyke						
		Alt's: Quite calcitic.						
		Struct: Massive non-foliated few hairline fractures healed with calcite.						
		Min's: Locally tr Py 5% Py in breccia zone 494.67-495.17						
		Remarks: Breccia zone at upper contact. Inclusions of alt'd f.p. with 5% Py						
			15281	494.67	495.67	1.5		0.2
497.80	503.18	ALT'D CHLORITIC HEMATIC F.P. AND LAMP DYKE Interlayered sections highly alt'd chloritic hematitic f.p. and lamp rophyre dyke-contacts are difficult to distinguish due to alt'd nature of rock						
		Alt's: Entire unit chloritic. Weakly hematitic, quite calcitic.						
		Struct: Highly fract'd calcitic 497.80-501.50 Core broken, blocky, broken along chloritic slips 500.03-501.50.						
			15282	497.8	499.3	1.5	tr	tr
		Min's: tr to locally 1% Py	15283	499.3	500.8	1.5	tr	tr
			15284	500.8	501.50	0.7	tr	tr
		Remarks: Fairly fresh section of alt'd porphyry 501.50-501.94. Sharp ct with next unit at 35-40 degrees T.C.A.	15285	501.5	502.5	1.0	tr	tr
			15286	502.5	503.2	0.7	tr	tr

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	
503.18	505.79	MAFIC VOLC. f.g. dk green grey mafic volc.	15287	503.20	504.29	1.09	1	nil
			15288	504.29	505.79	1.5	1-2	tr
		Min'n: 1% f.g. diss Py. Py contact increases as approach ct with porphyry. Up to 2-3% Py locally						
		Remarks: Narrow band of f.p. 504.75-504.81 Narrow lamp dyke 505.67-505.77						
505.79	510.92	HEMATITIC ALT'D GREY PORPHYRY AND MAFIC VOLC. 505.79-506.49- grey f.p. 60-70% feldspar 0.5% Py 506.49-508.08 Wkly alt'd hematitic f.p. 60-70 % feldspar 507.99-508.43 in fairly unalt'd section. Rest has only a few select feldspar grains 0.5-1% f.g. Py 510.09-510.60-mafic volc. 510.60-510.92-hematitic f.p.						
		Alt'n: Wkly hematitic. Reddish. A few fine fractures with calc. Few chloritic slips						
		Min'n: Locally tr to 1% u/g diss Py						
			15289	505.79	506.49	0.70	tr	tr
			15290	506.49	507.99	1.50	tr	tr
			15291	507.99	508.99	1.00	tr	tr
			15292	508.99	510.09	1.10	tr	tr
			15293	510.09	511.098	1.0	tr	tr
510.92	532.15	MAFIC VOLCANICS m.g. to c.g. dk green grey mafic volcs. Numerous narrow large dikes up to 20-30 cm wide cutting across core at various angles.						
		Alt'n: Fairly fresh						
		Struct: Massive, narrow fractures healed with calcite qtz Some healed with epidote, particularly to base of unit						
		Veins: 3-5cm qtz carb vein at 30-50 degrees T.C.A. 513.33-513.40						
		Min'n: Locally minor Py. patches Py 527.60-527.69						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au

Locally 1-2% Py in volcs at contacts of lamp dykes

Remarks: Section matrix dom. dk grey f.p. 519.46-520.86.

			15294	519.46	520.86	1.40	1-2	tr
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Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
South Rundle	Newton	-200 layout	AUG/19/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		-50	AUG/22/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1997.689N/	232.11	Morissete		
Grid No.	3092.785E	Collar Elev.	Logged By:		
	Section:	3999.214	A. Soever		
	6+60SE 55NE				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To							

OBJECTIVES:-To test upwards exxtension of B-North zone.

0	3.96	CASING- overburden	DIRECTIONAL TESTS					
3.96	4.45	GREY F.P. Fresh grey f.p.- 5-7% f.g. biotite.	DEPTH (m)	M.AZ.	T.AZ.	EST AZ	DIP	REMARKS
		Struct:	6.70			200.3	-50	ACID TEST
		Massive.	47.55			201.8	-49	" "
		Min'ns	93.26			203.5	-47	" "
		1% f.g. diss Py	138.98			205	-45	" "
		Remarks:	182.87			207.0	-44	" "
		Lower ct at 70-80% T.C.A.	227.37			208.7	-43	" "
			TROPARI					
			130.14	212	205		-44	
4.45	8.25	ARGILLITE-ARGILLITE-BRECCIA Black f.g. argillite. Slaty cleavage. Locally brecciated fabric.						
		Struct:						
		Slaty cleavage at 40 degrees T.C.A.						
		Broken blocky core 4.56-4.87, 7.20-7.71						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	
		Veins: Fine fractures healed with qtz calcite						
		Min'ns F.g. Py associated with qtz-calc. veins in fractures.	15295	5.45	6.55	1.10	4-5	tr
		Remarks: Lamp dyke with 8-20% f.g. diss Py 6.58-6.95	15296	6.55	6.95	0.4	8-10	tr
8.25	12.94	GREY F.P. Fresh grey f.p. 5-8% black bio.						
		Struct: Massive						
		Min'ns tr f.g. diss PY						
		Remarks: Lower ct at 60 degrees T.C.A.						
12.94	15.24	ARGILLITE BRECCIA Black f.g. brecciated argillite.						
		Struct: Good brecciated texture. Streaky well foliated at 40 degrees T.C.A. 14.27-14.58						
		Min'ns 2-3% m.g. diss Py						
		Veins: Few irregular qtz-calcite veins <1 cm dia. Milky white qtz vein at lower ct.						
		Remarks: Lower ct sharp at 45 degrees						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
15.24	18.42	<p>SPECKLED ARGILLITE-GREYWACKE Med. grey argillite-gwke-speckled with mm scale white calcite.</p> <p>Struct: Well foliated at 40 degrees T.C.A.</p> <p>Min'n: 1% m.g. diss Py</p> <p>Veins: cm scale milky white qvs with argillite frags at 40-60 degrees T.C.A. at 16.07-16.28, 16.32-16.39</p>						
18.42	27.60	<p>GREYWACKE Grey f.g. to m.g. gwke. Locally spotted with white calc.</p> <p>Veins: Few narrow qtz-calcite veins scattered throughout unit.</p> <p>Min'n: Locally up to 1% f.g. diss Py.</p>						
27.60	31.71	<p>ARGILLITE BRECCIA EXHALITE Sections black argillite breccia interlayered v.f.g. green grey exxhalite.</p> <p>Struct: Sections brecciated argillite 27.6-28.36, 28.79-29.26. Banded at about 35 degrees T.C.A. 28.36-28.79; Well banded exhalite at 35 degrees T.C.A.</p> <p>Min'n: On scale bands and patches massive Py in argillite breccia. Banded submassive Py</p>						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		in exhalite.	15297	27.60	28.40	0.8	10%	1.2
			15298	28.40	28.80	0.4	15%	0.2
		Remarks:	40014	28.8	29.30	0.5	30%	tr
		Section gwke 30.45-31.71	40000	29.30	30.0	0.7	1-2%	tr
			40001	30.0	30.3	0.3	5-10%	tr
			40015	30.3	31.7	1.4	tr	tr
31.71	38.71	ALT'D SERICITIZED MATRIX DOMINANT F.P. Very pale grey green f.p. Matrix dominant.						
			40016	31.7	32.7	1.0	1	0.4
		Struct:	40017	32.7	34.2	1.5	1	tr
		Massive locally weakly fol'd	40018	34.2	35.7	1.5	1	tr
		Few hairline fractures healed with qtz-dolomite.	40019	35.7	37.2	1.5		tr
			40020	37.2	38.7	1.5		tr
			40021	38.7	39.7	1.0		tr
		Min'ns:	40022	39.7	40.36	0.66		0.4
		1% v.f.g. diss Py	40002	40.36	41.26	0.9		tr
			40023	41.26	41.96	0.7		1.4 } 1.44/
		Veins:	40024	41.96	42.96	1.0		0.3 } 2.62m
		31.71-32.10 white qtz veins subparallel T.C.A.	40025	42.96	43.88	0.92		2.7 }
38.71	43.88	SHEARED CARBONITIZED U.M. Green sheared. Well foliated carbonate rich rock. Sheared u.m. 10-15% irregular qtz segregation.						
		Min'ns:						
		Trace f.g. Py. 10% Py in foliation 41.67-41.96						
		Remarks:						
		Section of pale brown sericitized F.P. with 3-4% f.g. diss Py 40.36-41.26. Spinifex 42.76-42.92						
43.88	52.62	INTERLAYERED ARGILLITE BRECCIA-EXHALITE Interlayered. black f.g. graphitic argillite breccia v.f.g. pale grey. green calesilicate rock (exhaite)						
		Struct:						
		Argillite breccia is bedded at 50-60 degrees T.C.A.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Exhalite is massive to finely laminated.						
		Veins: Qtz veining in argillite breccia 49.20-49.41						
		Min's: Cm scale bands and patches massive Py in argillite breccia. 2-3% f.g. diss Py in exhalite						
		Remarks: Bands argillite breccia. 45.26-45.69, 47.18-47.88 48.36-49.64						
			40003	43.88	45.28	1.40	1-2	0.3
			40004	45.28	45.68	0.40	2-3	tr
			40005	45.68	47.18	1.50	2-3	0.2
			40006	47.18	48.68	1.50	4-5	nil
			40007	48.68	49.68	1.00	10-20	nil
			40008	49.68	51.18	1.50	5	nil
			40009	51.18	52.28	1.10	5	nil
			40010	52.28	52.62	0.34	15	tr
52.62	56.77	MATRIX COMM SERICITIZED BLTD. GREY F.P. (As from 31.71-38.71) Appears to be repetition of sequence.						
			40026	52.62	54.12	1.5	0.5	0.3
			40027	54.12	55.62	1.5	0.5	tr
			40028	55.62	56.77	1.5	0.5	tr
56.77	65.73	SHEARED U.M. (As from 38.71-43.88)						
		Remarks: Section pyritic argillite 59.18-59.60 Highly sheared section 62.40-63.90 at 45 degrees T.C.A. with blocky core breaking along serpentinous slips. Brecciated texture 63.90-65.73 with Py.	40029	56.77	58.27	1.5	<0.5	0.7
			40030	58.27	59.77	1.5	<0.5	0.3
			40031	59.77	61.27	1.5	<0.5	0.2
			40032	61.27	62.77	1.5	<0.5	0.1
			40033	62.77	64.27	1.5	1-2	tr
			40034	64.27	65.73	1.46	5%	0.5
			40011	65.73	67.23	1.5	tr	0.3
			40012	67.23	68.73	1.5	tr	tr
		Min's: Py in breccia matrix locally submassive streaks. est 5-10%. Lower ct sharp at 60 degrees T.C.A. (FROM 63.90-65.73)	40013	68.73	69.94	1.21	tr	0.1

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
65.73	69.94	ALT'D REDDISH GREY F.P. WITH INCLUSIONS W.M. Pink to grey alt'd f.p. with inclusions pale green u.m. Alt's: Weakly hematitic. Very few relict feldspars. Min's: tr Py						
69.94	77.77	MAFIC TO ULTRAMAFIC VOLCANICS. Dk green grey mafic to ultramafic volcanics. Struct: Massive to polyhedrally jointed locally spinifex texture mod. well developed. Alt's: quite calcite, 3-4% calcite. qtz infilling of fine fractures. up to 5mm wide/ Veins: Qtz vein at 45 degrees T.C.A. Min's: tr f.g. Py Remarks: Sharp contact with next unit at 40 degrees T.C.A.						
77.77	96.95	PINK TO GREY ALT'D F.P. Grey to tinged pinkish biotitic alt'd f.p. Alt's: Alt'd only faint ghost of relict feldspars. Biotite ischloritic. 3-5% fine hairline fractures healed with dolomite and qtz.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		<p>Veins: Weakly hematitic-chloritic. 1cm white q.v.s. at 60-70 degrees T.C.A. at 83.53-83.54 and 84.30-84.31.</p> <p>Struct: Sheared, chloritic slips at about 25-30 degrees T.C.A. from 81.07-82.31. Sections blocky core. Generally core breaks along chl. slips at 40 degrees T.C.A. Hematitic hairline fractures at 15 degrees T.C.A. 93.38-93.64</p> <p>Min's: Only locally tr Py</p> <p>Remarks: Inclusions mafic volcs 91.77-91.94, 94.55-94.70 Gradational contact with next unit.</p>						
96.95	105.0	RED ALT'D F.P. M.g. red altered f.p.	40035	96.95	97.95	1.0	tr	0.1
			40036	97.95	99.0	1.05	tr	0.2
			40037	99.0	100.5	1.5	tr	tr
		Alt's:	40038	100.5	102.0	1.5	tr	tr
		Greyish brick red. Only faint ghosts of relict feldspars to 101.58. Lest alt'd with few bio flakes and noticable feldspars below this.	40039	102.0	103.5	1.5	tr	0.6
			40040	103.5	105.0	1.5	1	0.9
		<p>Veins: Fine hairline fractures healed with dol-qtz. fine fractures with specular hem. 97.55-98.10 1cm q.v. 99.56-99.57 at 33 degrees T.C.A.</p> <p>Min's: tr v.f.g. diss Py 1% Py from 104.17-105.0 as approaches hybrid zone.</p> <p>Remarks: lamp dyke 101.35-101.58</p>						
105.0	109.1	HYBRID ZONE: ALTERED F.P. AND MAFIC VOLCANICS. Altered pink to red f.p. with numerous inclusions						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		pyritic pale grey alt'd mafic volcs. 105.0-106.3. Alt'd dark grey green mafic volcs. Lamp dyke well foliated at 50 degrees T.C.A. from 105.55-105.78. Mafic volcs have pale grey alt'n with 4% Py 105.0-105.55 and 10% Py 105.78-106.30						
			40041	105.0	106.3	1.3	6	0.1
		106.30-107.0: Bright red alt'd f.p. with 10% Py	40042	106.3	107.0	0.7	10	3.5 }
		107.0-108.0 : Highly alt'd f.p. with numerous pale grey alt'd mafiac volcanic inclusions	40043	107.0	108.0	1.0	5	12.5 } 10.9/
		est 15% Py 107.28-107.65 5% 107.64-107.98	40044	108.0	109.1	1.1	3-5	14.2 } 2.8m
		108.0-108.5: Pale yellowy pink highly alt'd sericitized porphyry 2-3% 108.5-109.1. Numerous inclusions with 5-10% Py Few fine hairline fractures healed with dolomite and qtz.						
109.1	121.32	RED ALT'D F.P. Red to pale grey highly altered f.p. Alt'n: Numerous short sections pale grey alt'n 109.1-111.0 Alt'n decreases in intensity with depth grading into grey F.P.						38.4/ 4.1m
			40045	109.1	110.4	1.3	8	2.9}
		Struct: 3% fine hairline fractures healed with specular Beratite. Other hairline fractures healed with qtz-dolomite.	40046	110.4	111.0	0.6	3	1.7} 25/1.9m
		Min'n: Est 8% f.g. diss Py assocd with grey alterate 109.1-110.4. 3% f.g. diss Py. Alt'd porphyry; 110.4-111.0						
121.32	123.67	GREY F.P. Grey m.p. f.p., 5-10% f.g. diss biotite. Alt'n: Few fine fractures healed with hematite or calc-qtz.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Locally weakly reddish due to hematite.						
		Min's: 2-4% f.g. diss Py 123.22-123.67	40047	122.17	123.67	1.5		0.6*
123.67	125.46	F.G. MATRIX DOMINANT BIO-HBDE PORPHYRY DYKE f.g. matrix dominant bio hbde porphyry dyke						
125.46	141.63	GREY F.P. Grey weakly alt'd f.p.						
		Alt'n: Weakly hematitic chloritic. Giving unit reddish tint Fine hairline fractures healed with qtz-calcite or qtz-dolomite.	40048	130.40	131.90	1.50		0.3
		Veins: qtz veining with specular hematite. 130.32-130.52, 140.47-140.58						
		Struct: Massive						
		Remarks: Lamp dykes. 126.17-127.02 and 135.89-135.14 Becomes reddish to base grading into next unit.						
141.63	153.79	RED ALTERED BIO. F.P. Red to dark reddish grey alt'd f.p. 3-5% biotite.	40049	141.60	143.10	1.5		0.2
			40050	143.10	144.60	1.5		0.1
			40051	144.60	146.10	1.5		0.8
		Alt'n: Hematitic chloritic core tends to break along all slips.	40052	146.10	147.60	1.5		0.1
			40053	147.60	149.10	1.5		0.1
			40054	149.10	150.60	1.5		<0.1
		Struct: 2-3% hairline fractures healed with calc-qtz.	40055	150.60	152.1	1.5		0.2
			40056	152.1	153.60	1.5		nil

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Veins: Fine scattered fractures infilled with white dol.						
		Min's: Trace Py						
		Remarks: Gradational contact with next unit Lower edge of red alt'n appears to be marked by chl fracture subparallel T.C.A.						
153.79	175.73	FRESH GREY BIO F.P. Fresh unalt'd bio F.P. 10-15% biotite.						
		Alt'n: Locally stained slightly reddish						
		Struct: Massive, few chl. slips 1% hairline fracture with qtz-calc.						
		Veins: Narrow 1cm f.g. white to grey qtz veins at 40 degrees T.C.A. at 155.47, 156.79. Series of 1-3cm qtz veins at 45 degrees T.C.A. 146.47-146.54						
		Min's: Only tr Py						
		Remarks: Gradational contact with next unit.						
175.73	181.42	RED ALTERED F.P. Brick red alt'd F.P. Only faint ghosts of feldspars. No biotite. Below 130.15 get fresher section with bio and good feldspars.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Alt'n: Hematitic. Weakly chloritic. 179.09-180.15; 0.3% hairline fractures healed with chl material. Few hairline fractures healed with calcite						
		Veins: Minor specular hematite in 2-3mm wide qv at 40 degrees T.C.A. at 178.79						
		Min'n: tr Py						
181.42	186.56	HYBRID ZONE Pink to grey alt'd bio F.P. with numerous inclusions of mafic volcanics	40057	181.4	181.90	0.5	2-3	tr
			44058	181.9	183.0	1.1	5	tr
		Struct: 10-15% fine hairline fractures healed with calc-qtz.	44059	183.0	183.5	0.5	10	0.1
			44060	183.5	185.0	1.5	2-3	0.3
			44061	185.0	185.6	1.6	2-4	tr
		Min'n: F.g. disseminated Py in sections of alt'd porphyry Also as fracture filling in hairline fractures in volc. : 181.42-181.90; 2-3% Py as fracture filling. in volcs.: 181.90-183.0-5% Py in alt'd porphyry. 183.0-183.5-; 10% Py mostly in breccia zones on either side of q.v. est 20% Py 183.32-183.50 183.5-186.56; 2-4% Py in hybrid rock. Mostly fine fractures in volcs. 183.07-183.34; greenish grey q.v. upper ct at 65 degrees T.C.A.lower one at about 30 degrees. Breccia on either side of vein with Py. (see min'n)						
			40062	186.6	188.1	1.5		0.1
			40063	188.1	189.6	1.5		tr
			40064	189.6	191.1	1.5		nil
			40065	191.1	192.6	1.5		0.2
			40066	192.6	194.1	1.5		nil
			40067	194.1	195.6	1.5		nil
			40068	195.6	197.1	1.5		nil

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
			40069	197.1	198.6	1.5		nil
			40070	198.6	200.1	1.5		0.1
186.56	201.38	MAFIC VOLCS. Highly fract'd mafic volcs. f.g.	40071	200.1	201.4	1.3		0.1
		Alt's: Fairly fresh						
		Struct: Cut by 2 networks of fine hairline fractures. Early set-5% fine hairline fractures healed with qtz-epidote pyrite. Increase in frequency and Py content adjacent to narrow dykes of F.P. Late set 5% fine hairline fractures healed with calcite. rock has very fract'd appearance.						
		Veins: See 'fractures' under 'structure'						
		Min's: 2-3% fine Py filling early hairline fractures 5-10% Py sections adjacent to alt'd F.P. dykes. 180.40-187.63, 190.11-190.36, 190.92-191.34, 200.32-201.38						
		Remarks: Dykes alt'd porphyry 190.36-190.62 191.36-192.26						
201.38	205.66	GREY HORNBLENDE F.P. Grey fresh dark grey m.g. hornblende F.P. 2 sizes feldspar	40072	204.2	205.7	1.5		0.3
		Struct: Massive, broken blocky core 206.26-206.46						
		Min's: 1-2% f.g. Py from 205.28-205.7						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
205.66	209.81	MAFIC VOLCANICS. Black f.g. mafic volcanics.	40073	205.7	207.2	1.5	3-4	0.1
			40074	207.2	208.7	1.5	3-4	0.2
			40075	208.7	209.8	1.1	3-4	0.1
		Struct: Fract'd with 5% fine hairline fractures healed with fine Py-qtz-epidote. 2-3% hairline fractures hbid with calc.						
		Min'n: 3-4% f.g. Py in filling fine fractures.						
209.81	211.63	GREY F.P. M.g. weakly alt'd F.P. 5% biotite.						
		Remarks: Breccia zone with numerous inclusions mafic volc. 209.81=210.2						
211.63	224.09	MAFIC VOLCANICS- PYRITIC Dark grey f.g. mafic volcanics.						
		Struct: Highly fract'd with fine hairline fractures. Early set healed with f.g. Py-qtz +/-epidote Later set healed with epidote. Latest set healed with calcite.						
			40076	211.7	213.2	1.5	2-3	0.5
			40077	213.2	214.0	0.9	2	0.1
			40081	214.1	214.7	0.6	4	nil
			40078	214.7	215.3	0.6	2	0.3
			40079	215.3	216.6	1.3	6	1.2
			40080	216.6	218.1	1.5	1-2	tr
			40082	218.1	219.6	1.5	1-2	nil
			40083	219.6	221.1	1.5	1-2	0.3
			40084	221.1	222.6	1.5	2-3	0.2
			40085	222.6	223.3	0.7	10	0.2
			40086	223.3	224.1	0.8	5	0.2
		Alt'n: fine fractures prevalent throughout fdPatchy pale grey green epidote alt'n 221.30-224.09.						
		Veins: See 'fractures' under 'structure'.						
		Min'n: 4% Py as fine Py infilling hairline fractures						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		More highly fract'd pyritic section with 1% Py 215.3-216.6 222.6-223.3; 10% Py assoc'd with epidote alt'd 223.3-224.1; 5%.						
224.09	232.30	GREY F.P. Grey locally weakly alt'd F.P.						
		Alt'n: fairly fresh	40087	224.1	224.4	0.3	10	0.7
		Struct: massive	40088	224.4	225.8	1.1	5	0.6
			40089	225.8	226.8	0.8	1-2	1.0
			40090	226.6	228.1	1.5	1-2	0.8
		Veins:	40091	228.1	229.6	1.5	1-2	0.1
		Grey fract'd q.v. with Py infilling at upper contact.	40092	229.6	231.1	1.7	1-2	0.1
			40093	232.1	232.3	1.2	1-2	nil
		Min'n: 10% Py as infilling of fine fractures in q.v. 224.09-224.37 5% Py in fractures in mafic inclusions 224.75-225.50 Few patches Py in grey q.v. 225.75-225.58 231.26-231.55 1-2% f.g. diss Py in prophyry.						
		Remarks: Mafic inclusions 224.75-225.6; 229.94-230.12						
	232.30	END OF HOLE. HOLE CEMENTED						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
South Rundle	Newton	200	/ /		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		-50	/ /		
Claim No.	Co-ordinates:	Length	Drilled By:		
	1968.11N/ 3072.76E	135.67	Morissette		
Grid No.		Collar Elev.	Logged By:		
		4003.90	A.Soever 0-7.94 C.P. Zorzi 7.94-135.55		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To							

OBJECTIVES:-To test top of East shoot of B-North zone

		DIRECTIONAL TESTS						
		Depth	Mbrg	Tbrg	est tbrg	dip	type	test
		(M)	(FT)					
0	0.7	OVERBURDEN		10.97	36	200.2	48	AT
		Casing to 4.87m due to blocky ground in seam 3.70-4.70.		47.56	156	200.7	47	AT
0.7	4.75	MAFIC TO U.M. VOLCANIC.		90.24	296	201.4	48	AT
		Massive med. grey green f.g. volcanic		135.67	445	202.0	47	AT
		Weakly calcitic.						

Struct:
Massive, f.g. fractured with hairline fractures

Alt'n:
Cut by 3-4% hairline to cm wide fractures healed with calcite.

Remarks:
1m seam at lower ct.
Narrow 2cm piece of core. (Pyritic argillite breccia at 4.73-4.75) or lower edge of seam.
Broken blocky core in this area.

4.75	6.97	SERICITIZED ALT'D GREY F.P. Highly alt'd. Pale grey F.P.
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METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Atl'n: Only very faint traces of relict feldspars						
		Struct: Massive becoming fol'd as approach lower ct. Due to shearing C.A.+60 degrees.						
		Min'n: Faint tr diss Py						
		Remarks: Lower ct at about 35 degrees T.C.A.						
6.97	7.94	ARGILLITE BRECCIA Black graphitic sheared argillite breccia	040094	6.95	7.95	1.0	5-10	1.0
		Struct: Laminated at about 35 degrees T.C.A. Wavy banding broken blocky core.						
		Min'n: Graphitic with streaks and contorted bands and patches of Py ut to 1cm thick.						
		Remarks: pale green U.M. from 6.97-7.20, 7.41-7.53						
7.94	12.35	SHEARED CARBONITIZED SILICIFIED U.M. f.g.; non magnetic, lt grey to green, highly sheared and silicified.						
		Struct: Highly sheared with minor preserved spx. Large amt of blocky core.						
		Veins: Highly silicified with numerous patchy qtz and qtz veinlets.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %		ASSAYS g/t Au
From	To						Py		
12.35	16.48	SHEARED SER'D F.P. Pale yellow green, non magnetic f.g. to m.g. Struct: Highly sheared. Veins: 2-3% 1mm-4mm lt grey qtz veins Numerous chloritic infilling. Min's: tr-0.5% f.g. diss Py							
			040095	12.00	13.50	1.5	tr	nil	
			10001	13.50	15.00	1.5	tr	0.3	
			040096	15.00	16.50	1.5	tr	tr	
16.48	19.62	SHEARED U.M. f.g., non-magnetic, pale yellow green. Struct: Sheared with bands (schistosity) at 90 degrees T.C.A. Veins: Numerous thin lt. grey qtz. cb veins. Min's: tr f.g. diss Py							
19.62	21.22	SERICITIZED SILICIFIED F.P. Lt. grey yellow f.g. non-magnetic highly sil'd with qtz patches and infillings. Struct: Highly sheared Veins and Alt's: Sericitized with 30% qtz infillings							

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Min'n: 0.5-1% f.g. diss Py.	040097	19.60	21.00	1.40	1-2	1.7
21.22	27.00	SHEARED U.M. As above, 16.48-19.62 Slightly more sil'd. Highly seric'd with short ser'd F.P. section at the end. Short py'c section reflected in sampling.	040098	21.00	22.00	1.00	0.5-1	1.3
27.00	28.85	SERICITIZED F.P. Pale yellow green, m.g., non-magnetic.	040099	23.00	24.50	1.50	tr-0.5	nil
		Struct: Highly sheared with 3% 2-5mm qtz/cb veinlets. Becoming bx'd near the end	10002	27.00	28.50	1.5	tr-1	0.4
		Min'n: tr-2% f.g. diss Py near the end of section.	10003	28.50	30.00	1.5	tr-0.5	0.1
28.85	31.50	MAFIC VOLCANICS Med. grey green, f.g., non-magnetic.						
		Struct: Two distinct fracture patterns. Healed with thin f.g. qtz-qtz/carb.						
31.50	42.25	RED ALT'D F.P. Red, m.g. non-magnetic.						
		Struct: Redlativey massive.	10004	31.50	33.00	1.5	tr	0.1
			10005	33.00	34.50	1.5	tr	0.1
		Alt'n and Veins: Red alt'n becoming less intense at either ct. 5-10% thin qtz-cb veinlets.	10006	34.50	36.00	1.5	tr	0.1
			10007	36.00	37.50	1.5	tr	0.4
			10008	37.50	39.00	1.5	tr	
			10009	39.00	40.50	1.5	tr	0.3
		Min'n: tr f.g. diss Py.	10010	40.50	42.00	1.5	tr	0.2

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
42.25	43.70	ARGILLITE AND MAFIC VOLC. block to dk. green, f.g., nonmagnetic. Struct: Fractured throughout with small seam at 42.80-43.00 Min'ns: 1-2% f.g. diss Py						
43.70	46.40	GREY F.P. DYKE Pink to grey, m.g. Pheno's, magnetic. Struct: Massive with minor fractures. Veins: Thin lt. grey qtz/cb veinlets.						
46.40	68.25	ALT'D MAFIC VOLC. Med. grey-green, f.g., magnetic. Struct: Relatively massive with minor thin fractures, possible pillow salvages. Alt': Fractures, filled, with epidote near the upper ct. and gradually becoming less alt'd with epidote, garnetiferous patches here and there. 5-10% thin lt. grey calcite + qtz/ch veins.	10123	54.50	56.00			
			10124	56.00	57.50			
			10125	57.50	59.00			
			10126	59.00	60.50			
			10127	60.50	62.00			
			10128	62.00	63.50			
			10129	63.50	65.00			
			10130	65.50	65.50			
			10011	65.50	67.00			
			10012	67.00	68.85			
68.25	70.25	LAMP DYKE Reddish grey, f.g. Struct: Moderately fract'd with minor blocky sections.	10131	68.25	69.25			
			10132	69.25	70.25			

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
70.25	72.50	ALT'D MAFIC VOLC. As above.	10133	70.25	71.25	1.00		0.4
			10134	71.25	72.50	1.25		0.7
		Struct: 2 phases of fractures. Numerous thin lt grey calcite and qtz/cb veins.						
		Min'n: tr-0.5% f.g. diss Py						
72.50	78.75	ALT'D MAFIC VOLC'S AND RED ALT'D F.P. (HYBRID ROCK)						
		Volcanics: Lt purple grey, f.g. magnetic.						
		Red F.P.: Reddish orange, m.g., non-magnetic.						
		Struct: Highly sheared						
		Alt'n and Veins: good cb. alt'n throughout and highly silicified.	10013	72.50	74.00	1.5	tr-1	1.2
			10014	74.00	75.50	1.5	tr-1	0.4
			10015	75.50	77.00	1.5	tr-1	1.6
			10016	77.00	78.50	1.5	tr-1	1.7
		Min'n: 0.5-1% f.g. diss Py.	10017	78.50	80.00	1.5	tr-1	0.8
78.75	82.40	RED ALT'D F.P. Red, f.g. to m.g., slightly magnetic.						
		Struct: Moderate shearing.						
		Alt'n and Veins: Good red alt'n becoming weaker towards the end.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Min'ns tr f.g. diss Py	10018	80.00	81.50	1.5	tr-1	0.6
			10019	81.50	83.00	1.5	tr-1	0.8
		Remarks: Small 10-20 cm sections of alt'd mafic volc.						
82.40	105.70	GREY SLIGHTLY ALT'D F.P. Grey red, f.g. to m.g., magnetic in places.						
		Struct: Moderately fract'd						
		Alt'n and Veins: Minor red alt'n becoming more intense (reflected in the samples) Large qtz stockwork also appears to be running along core axis.	10020	90.10	91.00	0.9	tr	0.3
			10021	91.00	92.50	1.5	tr	0.2
			10022	92.50	94.00	1.5	tr	0.5
		Min'ns tr f.g. diss Py.						
105.70	107.53	LAMP DYKE As above.						
		Structure: Massive with good chl'd upper and lower cts.						
107.53	121.25	GREY SLIGHTLY ALTERED FELDSPAR PORPHYRY as above 82.40-105.70						
121.25	135.67	GREY FELDSPAR PORPHYRY Med. grey, f.g., non-magnetic.						
		Structure: Minor fractures, dioritic textures.						
		Veins: Few thin lt. grey barren qtz and qtz/ch veins.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au

BQ core drilled
Casing pulled
Hole cemented

DRILLING NOTES:

27/08/87

Chris Zorzi

General Comments

B-North Zone

Recognized as Hybrid Rock from 72.50-78.75m

Zone well alt'd; both the volcanics and the FP.

However, Py content is low with only up to 3-5% in the best areas.

Expect low values.

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Min'n: tr f.g. diss Py	10018	80.00	81.50	1.5	tr-1	0.6
			10019	81.50	83.00	1.5	tr-1	0.8
		Remarks: Small 10-20 cm sections of alt'd mafic volc.						
82.40	105.70	GREY SLIGHTLY ALT'D F.P. Grey red, f.g. to m.g., magnetic in places.						
		Struct: Moderately fract'd						
		Alt'n and Veins: Minor red alt'n becoming more intense (reflected in the samples) Large qtz stockwork also appears to be running along core axis.	10020	90.10	91.00	0.9	tr	0.3
			10021	91.00	92.50	1.5	tr	0.2
			10022	92.50	94.00	1.5	tr	0.5
		Min'n: tr f.g. diss Py.						
105.70	107.53	LAMP DYKE As above.						
		Struct: Massive with good chl'd upper and lower cts.						
107.53	121.25	GREY SLIGHTLY ALT'D F.P. E.O.H. Med. grey, f.g., non-magnetic.						
		Struct: Minor fractures, dioritic textures.						
		Veins: Few thin lt. grey barren qtz and qtz/ch veins.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au

DRILLING NOTES

BQ core drilled
 Casing pulled
 Hole cemented

27/08/87
 Chris Zorzi

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 lone well alt'd both the volcanics and the
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 Expect low values.

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
South Rundle	Newton	198 layout	25/8 /87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		70degrees	06/09/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	2091.355N	553.19	Bradley Bros.		
Grid No.	3276.199E	Collar Elev.	Logged By:		
	Section:	3998.944m	C.P. Zorzi 0-306.55		
	800SE/200.5m		A. Soever 306.55-553.19		
	SE of Ref.line				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To							
		OBJECTIVES:--Deep test for Se rake of Zone B-East sheet	Depth metres collar	MAG Azim	Tr Azim	Dip	est Az	remarks
0.00	3.96	CASING	4.68			69.5	198	Acid test
			47.56			68.0	197.7	" "
3.96	8.70	MASSIVE GWK Med. grey, f.g., magnetic, few <1% f.g. detrital qtz.	91.46			67	197.4	" "
			139.02			67	197.1	" "
			182.98			67	196.9	" "
			230.49			67	196.5	" "
		Structs: Moderately fract'd	276.22			65	196.2	" "
			322			62	196	" "
			368			62	195.3	" "
		Veins: 5%, 1-3mm lt. grey calcite veins, oriented randomly.	413.3			60	195.8	" "
			459.01			59.5	196.3	" "
			519.96			57.0	197.5	" "
8.70	11.60	HBLD F.SP PORPHYRY DYKE Reddish, purple, f.g. to m.g. f.sp, phenos with 30-40 degrees. f.g. to m.g. hbl., slightly magnetic.						
		Structs: Highly fract'd with blocky core	384.33	203	195.5	-61		
			484.91	204	196.5	-59		
			524.53	205	197.5	-58		
11.60	22.30	MASSIVE GWK As above 1.00-8.79						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g t Au
		Remarks: 2 X 20-30 cm F.P. dykes Slightly more fracturing than the above unit.						
22.30	34.25	HBLD F.SP. PORPHYRY DYKE As above 8.70-11.60						
		Struct: Highly fract'd section 22.50-29.00 Few 30-40 cm sections of GWK.						
34.25	36.00	MASSIVE GWK As above.						
		Struct: Schistosity about 45 degrees T.C.A.						
36.00	37.70	HBLD F.SP PORPHYRY DYKE As above, more massive						
37.70	40.00	MASSIVE GWK As above,						
		Struct: Minor fracturing with slightly higher amt calcite veinlets.						
40.00	44.25	HBLD F.SP. PORPHYRY DYKE As above, with thin 1mm calcite veinlets running the length of the core.						
44.25	46.80	MASSIVE GWK As above,						
		Struct: Prevalent schistosity at about 45-60 degrees T.C.A. Only minor thin calcite veining						
46.80	51.25	HBLD F.SP PORPHYRY DYKE						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/L Au
From	To							
		As above with minor fracturing and moderate amt of qtz/calc, veins.						
51.25	56.96	SHEARED U.M. FLOW Med. green. f.g., relatively soft, chloritic and serp'd. Struct: Minor to moderate fractures. Veins: Numerous calcite veins and patches.						
56.96	88.30	HBLD F.SP PORPHYRY DYKE As above but colour changes from brick red to dull grey throughout the sequence. Struct: Relatively massive with some sections showing good schistosity at about 45-60 degrees.						
88.30	93.35	AMPHIBOLITIZED GWK As above, but coarser grained and with 20% more amphibole, magnetic. Struct: Massive Veins: Moderate amt of 1mm to 3mm lt grey calcite veins.						
93.35	96.86	GREY F.P. (MATRIX DOMINANT) Dull grey, f.g. matrix with m.g. subhedral f.sp phenos about 2-3%, non-magnetic. Struct: Massive						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Veins: 5% thin lt. grey calcite veinlets.						
96.86	98.65	AMPHIBOLITIZED GWK As above 88.30-93.35						
98.65	100.55	GREY F.P. (MATRIX DOMINANT) As above 93.35-96.86, with only 1% m.g. f.sp phenos.						
100.55	109.42	BEDDED GRAPHITIC ARGILLITE AND SILTSTONE Dull grey to black, f.g., non-magnetic. Struct: Good thin bedding of argillite. Siltstone relatively massive. Veins: Few thin lt. grey calcite veins.						
109.42	110.80	GREY F.P. (MATRIX DOMINANT) As above.						
110.80	114.60	PILLOWED MAFIC VOLCANICS?? Dull grey green, f.g., magnetic. Struct: Numerous thin minor fractures Possible pillow salvages present. Veins: 10-20%, 1-2mm lt grey calcite veins.						
		Remarks: Short grey F.P. matrix dominant dyke from 112.90-113.80						
114.60	116.35	HELD F.SP. PORPHYRY DYKE As above,						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
116.35	118.40	MAFIC VOLC-MASSIVE GWK As above, 110.80-114.60, no real pillow salvages Does have more of a gwk texture.						
118.40	120.10	HBLD F.SP. PORPHYRY DYKE As above, HblD becoming coarser grained.						
120.10	138.65	PILLOWED MAFIC VOLC.?? As above, 110.80-114.60, good pillow salvages present and variolitic remnants seen as well.						
138.65	139.80	ARGILLITE AND SILTSTONE Lt to med. grey, f.g., hard, non-magnetic, small bed; about 10cm, graphitic argillite. Struct: Good bedding at 45 degrees T.C.A. Minor faults.						
139.80	145.95	AMPHIBOLITIZED GWK As above. Struct: Vague schistosity at about 45 degrees T.C.A.						
145.95	147.20	ARGILLITE AND SILTSTONE As above, 138.65-139.80						
147.20	149.10	CHERTY EXHALITE Pale grey green, f.g., very hard, non-magnetic. Struct: Bedding 30-45 degrees T.C.A. Minor cross fractures of bedding planes.						
149.10	160.00	INTERMEDIATE LAMP DYKE Pale green, f.g., non-magnetic.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %		ASSAYS g/t Au
From	To						Py		
		Struct: Massive, few remnant F.P. blebs here and there.							
160.00	170.55	AMPHIBOLITIZED GWK As above.							
		Struct: Becomes slightly bx'd over short sections Infilling of calcite.							
		Alt'n: Becomes highly alt'd with epidote near and up to ct. west next unit.							
170.55	171.90	INTERMEDIATE DYKE-LAMP? Pale yellow green, f.g., non-magnetic.							
		Struct: Massive with good chilled upper and lower cts.							
		Alt'n: Completely (strongly) alt'd with epidote.							
171.90	179.75	AMPHIBOLITIZED GWK As above, 160.90-170.55							
		Alt'n: Epidote alt'n strong at top becoming weak further south in section.							
179.75	211.55	DIABASE DYKE Dk gray to black, f.g. to m.g. magnetic.							
		Struct: Upper ct chilled, first 3m of ocre moderately fract'd. Becomes massive and coarser grained as the section progresses south							

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Veins: Few <1% calcite epidote veinlets here and there.						
211.55	220.85	GREY F.P. (MATRIX DOMINANT) DYKE As above.						
		Struct: Relatively massive with large 5-10cm chloritic inclusions. -5% 1mm to .5cm calcite and epidote veins.						
220.85	223.17	AMPHIBOLITIZED GWK As above.						
		Struct: Massive with moderate amt of lt grey calcite veins with epidote.						
223.17	227.40	GREY MATRIX DOMINANT F.P. LAMP DYKE Dull grey, f.g. matrix with less than 1% subhedral f.sp. phenos, amphibole rich nonmagnetic.						
		Struct: Relatively massive with minor fractures.						
		Min'n: 1-2% f.g. diss Py here and there.						
227.40	234.75	AMPHIBOLITIZED GWK As above but becomin less altered with epidote						
234.75	254.05	FOLIATED HBLD F.SP PORPHYRY DYKE (LAMP) Med. grey, f.g. magnetic.						
		Struct: Foliation at about 45-60 degrees T.C.A. Relatively massive, Only few thin lt. grey calcite veins. One 0.5cm white qtz vein.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS
From	To							g/t Au
254.05	268.65	<p>MASSIVE TO AMPHIBOLITIZED GWK Med. grey green, f.g., mg. amphibole content becoming decreasingly less.</p> <p>Struct: Fairly massive 5% thin 1mm to 0.5cm lt grey irregular calcite veinlets. Short speckled sections here and there.</p>						
268.65	275.30	<p>GREY BIO. F.P. Grey red, f.g. matrix with 10-15% f.g. to m.g. subhedral f.sp. phenos and 5-10% f.g. bt., non-magnetic.</p> <p>Struct: Massive with numerous healed minor fractures randomly oriented. Fractures healed with calcite and/or qtz/ch.</p> <p>Min'n: 0.5-1% f.g. to v.f.g. diss Py.</p>						
275.30	306.55	<p>MASSIVE GWK Essentially the same as above but becoming finer grained and also depleted in amphibole Magnetic.</p> <p>Struct: Massive with 5-10% 1mm to 5mm. Irregular veins of calcite. Sections of patchy calcite. Short sections with f.g. to m.g. calcite speckles.</p>						
306.55	316.53	<p>ARGILLITE BRECCIA Dk grey to black f.g. argillite Often brecciated with angular clasts of argillite in a pale to med. greyish grey f.g. calcitic argillite matrix.</p> <p>Struct: Brecciated texture. Most commonly on scale clasts</p>						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		in a calcitic matrix-locally highly brecciated zones, mm scale fragments 315.70-315.27 at 35-40 degrees T.C.A.						
		Veins: 1-2% narrow calcite veins assoc. with calcitic matrix.						
		Min'n: Locally patches of m.g. pyrite in calcite veins and calcite matrix of breccia est <1% Py overall.						
316.53	331.33	AMPHIBOLITIZED GWK Med. grey m.g. amphibolite assumed to be amphibolitized gwk. Few qtz grains noted locally.						
		Struct: Weakly fol'd at 40-45 degrees T.C.A.						
		Veins: Few irregular calcite +/- qtz veins from mm to scale Scattered throughout unit at from 30-45 degrees T.C.A. White 0.5-1cm dolomite vein at 45 degrees T.C.A. 327.82-327.83.						
		Remarks: Narrow 1cm wide sheared f.g. pyritic calcitic bands at 20 degrees T.C.A. at 321.17-321.18 and 324.73-324.76 Lower band has slips along contacts. Pale grey green intermediate dyke from 322.11-322.91. Many inclusions of amph'd gwk. Blocky core with slips at 15-30 degrees T.C.A. Upper ct along slip at about 10 degrees T.C.A. Lower ct sharp at 60 degrees T.C.A. Unit becomes finer grained to base grading into next unit. 329.53-331.33 Unit has irregular swirled fabric and brecciated texture. Quite calcitic with 2-3% v.f.g. to fg py. Unit is weakly to moderately magnetic.	10035	329.53	331.33	1.80		
331.33	346.86	GREYWACKE Grey f.g. gwk. Weakly amph'd. M.g. from 335.70-341.24						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		<p>Struct: M.g. section wkly foliated at 45 degrees T.C.A. Rest massive.</p> <p>Veins: White calc. veins 1-5mm, filling fractures at various angles T.C.A. Est. <2% fractures. More intensely fractured sections 341.03-342.05 343.71-343.94; 344.95-344.13.</p> <p>Min'ns: f.g. Py associated with calcite veins at 331.43, 331.61, 341.33.</p> <p>Remarks: Speckled in 5-10% m.g. calcite grains 336.89-340.46. Speckled argillite from 345.59-346.86.</p>	10036	331.33	332.33	1.0		nil
346.86	348.18	<p>ARGILLITE BRECCIA Black f.g. slightly graphitic argillite breccia Black frags. in a paler grey calcite matrix.</p> <p>Struct: Well foliated, laminated towards base at 25-30 degrees T.C.A.</p> <p>Min'ns: Bands and patches of f.g. to m.g. pyrite Bands are 2-3mm wide in foliation plane. Patches are irregular associated with calcitic breccia matrix.</p> <p>Veins: Narrow b.cm calcite-minor qtz vein at 30 degrees T.C.A. at lower contact.</p>	10037	346.86	348.18	1.3		nil
348.18	367.92	<p>GREYWACKE-ARGILLITE Med. to dk grey f.g. greywacke to argillite. Weakly amph'd.</p>						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/l Au
From	To							
		Struct: Massive.						
		Veins: 2-3% hairline fractures filled with calcite. White calcite vein along fracture subparallel T.C.A. 366.14-366.92. Minor qtz-epidote assoc with this fracture.						
		Min's: Locally throughout unit 2-3% f.g. to v.f.g. diss pyrite. Also traces py assoc with calcitic veins in fractures. 3-5% f.g. Py in breccia zones 353.97-354.13 and 358.24-358.30.						
		Remarks: Lower ct sharp at 70 degrees T.C.A.						
367.92	369.63	LAMPROPHYRE DYKE Grey m.g. lamp dyke. 5-10% each biotite and hblde in a f.g. grey matrix.						
		Struct: Massive.						
		Remarks: Non-magnetic. Upper ct at 70 degrees T.C.A. Lower ct at sharp ct 65 degrees T.C.A.						
369.63	393.96	GREYWACKE ARGILLITE F.g. med. grey to dk grey gwk- to argillite Grades from f.g. black argillite to gwk and back again. Calcitic; 2-3% f.g. calcite.						
		Struct: Generally massive. 377.80-378.56. Sheared well developed. Schistosity at 50 degrees T.C.A. 390.03-390.70 Well foliated pyritic argillite with qtz veins and bands. f.g. siliceous exhalite banding at 40-60 degrees T.C.A.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAY g/t Au
From	To							
		Veins: Hairline fractures filled in qtz-calcite. Very few from 367.92-375.96. Within this section 372.30-379.77: Sheared section in calcite qtz veining 375.96-379.77- 6-7% calcite qtz in fractures. 2-3% fractures with calcite-qtz 379.77-389.41 389.41-390.03: grey white m.g. calcite qtz veins subparallel to 30 degrees T.C.A. 390.70-393.96: 3-4% fine hairline fractures healed with qtz-calcite f.g. green serp.-qtz veins at 40 degrees T.C.A. from 384.65-384.72 and 381.76-381.81						
			10038	389.20	390.00	0.80	nil	
		Min's: 3-4% m.g. py assoc with sheared section with calcite qtz veining 372.30-372.68. 1-2% f.g. diss Py, locally up to 3-4% scattered throughout unit. 6% diss py in argillite-exhalite unit. 340.03-390.70	10039	390.00	390.70	0.70	0.2	
		Remarks: Narrow lamp 'pebble dykes' 370.57-370.77, 380.88-389.07 Below 390.70- unit is grey m.g. amphibolitized. Lower ct sharp at 50 degrees T.C.A. marked by narrow calc vein.						
393.96	402.49	GREY HORNBLLENDE-BIOTITE F.P. Fresh grey m.g. bio-hblde f.p. 5-10% each m.g. hblde and bio. 5% cg. white feldspars. Also some smaller feldspar porphyroblasts.						
		Min's: 0.5-1% v.f.g. diss Py. 1-2% v.f.g. diss py 393.96-394.76						
		Remarks: Dyke of m.g. granodiorite with chilled margins 398.93 401.12-cts are sharp upper ct at 40 degrees T.C.A.; lower ct at 50 degrees T.C.A.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
402.49	418.18	AMPHIBOLITIZED GREYWACKE OR MAFIC VOLC. Grey m.g. amphib'd gwk. M.g. mod amph'd., non-magnetic.						
		Struct: Fairly massive.						
		Veins: 3-4% hairline fractures infilled with calcite	10040	404.22	405.42	1.2	0.1	
		Alt'n: Grey qtz carbonate alt'n prominent 404.22-418.18 Unit ends with unit f.g. grey green siliceous exhalite 417.56-418.18 unit red.	10041	417.48	418.18	0.70	0.1	
		Min'n: 2-3% f.g. diss Py in exhalite 417.56-418.18						
418.18	422.15	LAMPROPHYRE DYKE pale green grey m.g. well foliated lamp dyke. Calcitic Non-magnetic.						
		Struct: Well foliated at 60 degrees T.C.A.						
		Min'n: 2% f.g. diss Py						
		Remarks: Lower ct sharp at 50 degrees T.C.A.						
422.16	427.28	MASSIVE U.M. Massive pale greyish green u.m. Weakly magnetic.						
		Struct: Becomes sheared towards base in gradational ct with next unit.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Veins: 1-2% calcite infilling fractures.						
		Min'n: Trace to 1% f.g. diss Py						
		Remarks: 424.89-424.98, narrow band of f.g. black argillite with 5% diss Py. Gradational ct. with next unit.						
427.28	437.27	SHEARED U.M.-TALC CHLORITIC CARBONATE SCHIST. Greenish grey. Talc chlorite carbonate schist Locally weakly magnetic.						
		Struct:						
		Well developed schistosity Ca varies from	10042	427.27	428.27	1.0	0.1	
		40 degrees T.C.A. -30 degrees T.C.A.	10043	428.27	429.57	1.3	0.1	
		Most prominent	10044	429.57	430.07	0.5	0.5	
			10045	430.07	431.07	1.0	0.1	
		Veins:	10046	431.07	432.57	1.5	0.2	
		Sections with white qtz-calcite segregations	10047	431.57	434.07	1.5	0.3	
		and layers parallel to schistosity 430.10-	10048	434.07	435.57	1.5	nil	
		430.76, 434.78-434.05, 435.58-435.54	10049	435.57	437.27	1.7	0.1	
		Min'n:						
		Trace to locally 1% v.gggf.g. diss Py	10050	437.27	438.77	1.5	nil	
			10051	438.77	440.27	1.5	tr	
		Remarks:	10052	440.27	441.77	1.5	tr	
		Grey well laminated siliceous exhalite banded	10053	441.77	442.77	1.5	tr	
		at about 30 degrees T.C.A. from 429.57-430.7						
		About 5% Py in narrow 1-2mm bds parallel to						
		lamnations. Gradational ct to next unit.						
437.27	440.55	MASSIVE U.M. Dk. greenish grey u.m. Unsheared version of above.						
		Veins:						
		5-7% fine hairlind fractures healed with calc. qtz						

g/t Au

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Min's:	10054	442.77	444.27	1.5	tr-1	0.2
		Trace v.f.g. diss Py	10055	444.27	445.77	1.5	tr-1	0.1
			10056	445.77	446.37	0.6	tr-1	nil
		Remarks:	10057	446.37	448.07	1.7	tr-1	nil
		Grad ct with next unit.	10058	448.07	449.07	1.0	tr-1	nil
			10059	449.07	450.57	1.5	tr-1	nil
440.55	442.71	SHEARED U.M. TALC CHL-CARB SCHIST	10060	450.57	452.07	1.5	tr-1	nil
		As from 427.28-437.27	10061	452.07	452.80	0.73	tr-1	nil
		Schistosity at 30-40 degrees T.C.A.						
		Trace to 1% Py.	10062	452.80	454.30	1.5	tr-1	nil
		g.vs. from 441.03-441.16 and 441.49-441.54	10063	454.30	455.80	1.5	tr-1	nil
			10064	455.80	457.30	1.5	tr-1	nil
442.71	452.80	MASSIVE TO SPINIFEXED U.M.	10065	457.30	458.80	1.5	tr-1	nil
		Similar to section texture at 445.40	10066	458.80	459.80	1.0	tr-1	nil
		Possible spinifex texture from 449.07-451.07.						
		Felsic lamp dykes 446.35-448.06 2nd: 448.85 -449.07						
452.80	459.99	SHEARED U.M. TALC CHLORITE CARBONATE SCHIST.						
		Sheared version of above ultrafico.						
		Locally grades to talc chlorite carbonatae schist.	10067	459.80	460.70	0.9	4	1.1
			10068	460.70	461.60	0.9	1-2	0.1
			10069	461.60	463.10	1.5	0.5-1	nil-Lr
		Struct:	10070	463.10	464.60	1.5	0.5-1	nil
		Well foliated at about 40 degrees. T.C.A.	10071	464.60	466.10	1.5	0.5-1	nil
			10072	466.10	467.80	1.7	0.5-1	nil
		Veins:						
		7-8% fractures filled with carbonate-qtz						
		Min's:						
		Trace v.f.g. diss Py						
		Remarks:						
		457.42-459.79; 30% off white carbonate as wispy bodies parallel to schistosity as approach porphyry- ct with porphyry sharp at 50 degrees T.C.A.						
		Narrow red alt'd porphyry dykes 453.40-453.51 and 454.27-454.45.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
459.79	467.77	RED ALTERED PORPHYRY F.g. to m.g. red highly alt'd porphyry Highly alt'd. No visible feldspar phenocryst or biotite. Alt'n: Pervasive pale grey qtz-carbonate alt'd from 459.79-560.69. Rest of unit alt'd no feldspar-bio locally sericitized. Sheared chloritic 463.17-463.67. Streaks of chlorite at 40-45 degrees T.C.A. Struct: Weak fabric at 30-40 degrees T.C.A. Thinly laminar sheared f.g. sections 459.79-460.04 at 40 degrees T.C.A. 460.63-460.87 at 20-30 degrees T.C.A. Fine anastomosing network of hairline fractures subparallel F.C.A. as approach next unit. Veins: 5% fine hairline fractures healed with dolomite qtz throughout. Series of narrow 3-4mm wide qtz veins at 45 degrees T.C.A. 460.70-461.60 Min'n: m-4% f.g. to v.f.g. diss Py assoc with pale grey qtz carb alt'n from 439.80-460.70 ; 1-2% f.g. to v.f.g. diss Py and porphyry 460.70-461.69. -0.5-1% ff.g. to v.f.g. diss Py in rest of unit Locally short sections 1-2% Py Remarks: Distinct contact with next unit at 15-20 degrees T.C.A.						
467.77	471.05	FELSIC BIOTITE LAMPROPHYRE DYKE Pale green grey m.g. biotite lamprophyre 5-10% m.g. biotite. Alt'n: Weakly alt'd. Tinged slightly pink near contacts	10073 10074 10075	467.80 469.30 470.30	469.30 470.30 471.10	1.5 1.0 0.8	nil nil nil	

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Sheared alt'd section 468.32-469.16. No biotite left Flazure structure. Streaks chlorite at 40 degrees T.C.A.						
		Struct: Weakly foliated at 40 degrees T.C.A.						
		Min'n: 1-2% ffff.g. diss PY						
		Remarks: Lower ct at 15-20 degrees T.C.A.						
471.05	501.98	PINK SERICITIZED ALTERED FELDSPAR PORPHYRY						
		Pink f.g. sugary sericitized f.p.	10076	471.10	472.60	1.5	tr	
		Completely alt'd. No celict feldspar or biotite	10077	472.60	474.10	1.5	0.2	
		Non-magnetic.	10078	474.10	475.60	1.5	0.2	
			10079	475.60	477.10	1.5	0.2	
		Struct:	10080	477.10	478.60	1.5	0.5	
		Fairly massive. Weak fabric at 40 degrees	10081	478.60	480.10	1.5	0.7	
		T.C.A. 2-3% fine hairline fractures healed	10082	480.10	481.60	1.5	0.1	
		with dolomite qtz.	10083	481.60	483.10	1.5	nil	
			10084	483.10	484.60	1.5	nil	
		Alt'n:	10085	484.60	486.10	1.5	0.1	
		Weakly sericitized. Weakly hematitic chloritic	10086	486.10	487.60	1.5	nil	
			10087	487.60	489.10	1.5	nil	
		Veins:	10088	489.10	490.60	1.5	1.5	
		Dolomite-qtz infilling of hairline fractures.	10089	490.60	492.10	1.5	nil	
		Results in a few narrow veins. Locally	10090	492.10	493.60	1.5	tr	
		specular hematite noted assoc with there qtz	10091	493.60	495.10	1.5	nil	
		veins.	10092	495.10	496.60	1.5	nil	
			10093	496.60	498.10	1.5	nil	
		Min'n:	10094	498.10	499.60	1.5	nil	
		tr to 0.5% v.f.g. diss Py	10095	499.60	501.10	1.5	nil	
			10096	501.10	502.00	0.9	nil	
		Remarks: Felsic lamp dyke 472.08-472.90 cts at 15-20 degrees T.C.A. Sections of alt'd felsic lamp dyke 498.29-499.1 Sheared bright red hematitic band at 45 degrees T.C.A. 499.39-499.50						

S/c Au

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
501.98	505.23	PINK TO GREY ALTERED BIOTITE F.P. Pink to grey mod. alt'd f.p. Similar to above unit but with 5% f.g. to m.g. biotite						
		Alt'n: Weakly chloritic.						3/c Au
		Struct: Weak fabric at 40-45 degrees T.C.A.	10097	502.0	503.5	1.5	nil	
			10098	503.5	505.0	1.5	0.1	
		Min'n: 0.5-1% f.g. diss Py						
		Remarks: Few scattered inclusions (maficic volc). These contain 3-5% Py. Est <1% mm scale inclusions scattered throughout. Larger inclusions up to several cms. Across at 502.96-502.98, 503.29-503.31 503.48-503.54, 504.48-504.54, 504.96-505.01. Unit ends at fracture at about 40 degrees T.C.A. Below fracture porphyry is more altered.						
505.23	507.96	RED ALT'D SERICITIZED F.P. Brick red to pinkish grey m.g. F.P. Altered no relict feldspars. Only a few relict bro towards base. Non-magnetic.						
			10099	505.0	506.5	1.5	nil	
			10100	506.5	508.0	1.5	0.1	
		Alt'n: Weakly to mod sericitized. Pale grey qtz carbonate al'n with 1% Py 506.09-506.18						
		Struct: Sheared parallel to top ct at 10 degrees 505..23 -505.60.						
		Veins: 3-4% fractures filled with qtz dolomite generally at low angles T.C.A.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Min's Est 1% f.g. to v.f.g. diss Py						
		Remarks: Inclusions alt'd mafic v. olc. 505.50-505.60 Gradational ct to next unit.						g/t Au
) 507.96	512.94	PINK TO GREY ALT'D BIOTITE F.P.	10101	508.0	509.5	1.5	0.2	
		M.g. pink to grey alt'd biotite F.P.	10102	509.5	511.00	1.3	nil	
		5% chloritic biotite.	10103	511.0	512.0	1.0	0.5	
			10104	512.0	513.0	1.0	nil	
		Alt's: No relict feldspar. Stained red due to hematite stain below 510.25. Quite chloritic.						
		Veins: Few fine hairline fractures healed with dolomite.						
		Struct: Weak fabric at 45 degrees T.C.A.						
		Min's: tr to 0.5% f.g. Py						
)		Remarks: Narrow dyke of grey F.P. 512.42-512.49 Lower ct is chloritic slip at 45 degrees T.C.A. at 512.75						
512.94	517.30	PINK BIOTITE F.P.						
		M.g. pink biotite F.P.	10105	513.0	514.5	1.5	0.2	
		Good relict feldspars-5% biotite.	10106	514.5	516.0	1.5	0.3	
		Non-magnetic.	10107	516.0	517.3	1.3	0.1	
		Alt's: Weakly alt'd. Locally slightly sercitic, especially from 514.03-514.66.						
		Struct: Weak fabric at 45 degrees T.C.A. Breccia flooded with qtz along upper ct 512.94-513.33						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Veins: More intensely alt'd section with qz dolomite veins 516.10-516.33. Few hairline fractures healed with qtz dol throughout.						
		Min's: tr to 0.5% v.f.g. diss Py						3/4 Au
		Remarks: Gradational ct in next unit.						
517.30	521.65	PINK ALTERED SERICITIZED F.P.	10108	517.3	518.8	1.5	nil	
		Alt'd greyish pink m.g. F.P.	10109	518.8	520.3	1.5	0.2	
		No relict feldspar or biotite. Weakly chloritic.	10101	520.3	521.65	1.35	nil	
		Alt's: Tinged yellowish due to pervasive sericite. some coarser grained mica as well.						
		Veins: 2-3% white narrow dol-qtz veins filling in narrow hairline fractures. 0.5cm to 1 cm qtz veins, with specular hem. at 518.40, 518.52, 520.48 at about 40 degrees T.C.A.						
		Min's: Tr py						
		Remarks: Unit becomes like alt'd towards base grading into next unit.						
521.65	531.96	RED ALTERED F.P.						
		Greyish red m.g. altered F.P.						
		No relict feldspars. 5% biotite.						
		Alt's: Weakly hematite chloritic.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		red finer grained sericitic sections 523.85-524.00, 527.48-529.11.						3/17u
		Structs:	10111	521.65	523.10	0.45	0.3	
		Weak fabric 45 degrees T.C.A.	10112	523.10	524.60	1.5	nil	
		Unit is heavily fractured 7% hairline fractures	10113	524.60	526.10	1.5	0.2	
		healed with qtz dol also fine chloritic	10114	526.10	526.60	1.5	0.7	
		fractures at angles < 40 degrees T.C.A.	10115	527.60	529.10	1.5	0.1	
			10116	529.10	530.60	1.5	0.3	
		Veins:	10117	530.60	532.0	1.4	nil	
		Hematite a.v. hematitic qtz 523.40-523.80						
		Qtz flooding of porphyry along fractures and many assoc. white dol. veinlets. 525.98-526.45						
		Min'n:						
		Only a faint trace Py						
		Remarks:						
		Becomes fresher, grey below 529.11 with 5% biotite. Lower ct at 45-50 degrees T.C.A.						
531.96	538.73	ALTERED MAFIC VOLCANICS						
		Med. grey to dk grey f.g. to m.g. mafic volc's	10118	532.0	533.5	1.5	0.6	
		Quite calcitic and mottled appearance due to alt'n	10119	533.5	535.0	1.5	0.2	
		Alt'n:						
		Quite calcitic. 5% very fine hairline fractures healed with calcite.						
		Veins:						
		3cm qtz vein at 40 degrees T.C.A. from 534.28-534.33 See also hairline fractures under alt'n.						
		Structs:						
		Massive, with 5% hairline fractures.						
		Min'n:						
		1-2% v.f.g. diss Py assoc with calc.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Alt'n: Diss throughout. 1-2cm patch of Py 538.62-538.64						
		Remarks: Sheared upper ct at 40-45 degrees T.C.A. Mod.-strong magnetic alt'n. SEctio porphyry 532.48-532.75						
538.73	542.70	GREY F.P. Grey m.g. weakly alt'd F.P. Good relict feldspars. 2-3% f.g. biotite.						
		Alt'n: Tinged red due to hem stain						
		Remarks: Section calcitic alt'd volcanics 539.47-540.18. Lower ct at 15 degrees T.C.A.						
542.70	546.45	HYBRID ZONE Breccia of fragments of volcanics in a f.g. to m.g. Grey porphyry -60-70% volc's and 40-30% porphyry.	10120 10121 10122	542.70 544.20 545.70	544.20 545.70 546.45	1.5 1.5 0.75	0.4 0.9 1.9	
		Alt'n: Volcanics are calcitic, locally dolomitic.						
		Veins: 1-2% hairline fractures healed with dol-qtz.						
		Min'n: 1-2% f.g. Py as diss and stringers assoc'd with carbonate alt'n.						
		Remarks: Grades into f.g. to m.g. grey bio F.P. with a few volcanic inclusions.						

g/t Au

METRES		DESCRIPTION	Sample#	From	to	Length	Est. % Py	ASSAYS g/t Au
From	To							
546.45	553.19	GREY WEAKLY ALT'D BIOTITE F.P. Grey weakly alt'd bio F.P. Good relict feldspars. Few cm scale inclusions of mafic volcanic.						
	553.19	END OF HOLE CASING LEFT IN NO CEMENT.						

Property South Rundle Project 3382 Claim No. Grid No.	TP. or Area Newton Lot. & Conc.: Co-ordinates: 2038.22N/3351.06E Section: 890 SE/173 NE of 110 degrees of ref. line.	Azimuth 198 layout Dip 72 Length 582.53 Collar Elev. 3997.86	Date Started 08 /09/87 Date Completed 20 /09/87 Drilled By: Morissette Logged By: A. Soever 0-340.5 C.P. Zorzi 340.5-582.53	Corrected Dip Tests	Location sketch
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METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To							

OBJECTIVES:- Deep test of favourable structure
E of East Shoots.

DOWN HOLE COORDINATES *SEE PAGE 2

0	3.96	CASING						
1.50	4.50	MASSIVE GWK Grey f.g. massive gwke 5% streaky calciteic patches.	10135	4.5	6.0	1.5	est% Py tr	Aug/t nil
			10136	6.0	7.5	1.5	tr	nil
			10137	7.5	9.0	1.5	0.5-1	nil
			10138	9.0	10.5	1.5	tr	nil
		Remarks: Sections broken blocky core 1.5-7, 3.15-3.20 3.75-3.96.	10139	10.5	11.0	0.5	tr	nil
			10140	11.0	12.5	1.5	2-3	nil
			10141	12.5	14.0	1.5	2-3	nil
4.5	14.0	INTERLAYERED GREEN CARBONATE ROCK AND PYRITIC ARGILLITE F.g. green calcitic carbonate rock with bands of black f.g. pyritic argillite. Bands of black thinly bedded argillite from 5.04-5.25, 5.46-5.48, 7.20-7.52, 8.02-8.78 8.89-9.10, 9.68-9.72, 10.97-14.010 Struct: f.g. pale green carbonate rock is massive to weakly fol'd argillite in thinly bedded. Contacts of argillite bands and bedding in argillite are at -40-45 degrees T.C.A. Argillite is sheared from 10.97-14.00 at 20-30 degrees T.C.A.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		5% f.g. block hbde						
		Alt'n: Rock is brick red due to hematite stain Becomes pale grey below 26.10						
		Remarks: Small inclusion (altered volcanics?) 2597.26-26.10						
27.5	28.7	SHEARED CHLORITIC MAFIC VOLCANICS Dk green chloritic sheared mafic volcs. Calcitic. Nonmagnetic.						
		Struct: Schistosity at 30 degrees T.C.A.						
		Remarks: 28.43-28.7 f.g. pale green siliceous exhalite.						
28.7	30.3	GREY HBDE F.P. Grey mg. hbde F.P. Weakly hematitic chloritic.						
		Min'n: 1% f.g. diss Py						
		Remarks: Lower ct at 35-40 degrees T.C.A.						
30.3	35.2	CALCAREOUS GREYWACKE Med. grey to green-partly amphibolitized gwke. Becomes massive to very weakly fol'd at 40 degrees T.C.A. Lower 0.2m sheared at 30 degrees T.C.A.						
		Remarks: Lower ct sharp at 30 degrees T.C.A.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
35.2	37.2	EXHALITE Green hard siliceous f.g. exhalite. Struct: Fairly massive. Fine hairline fractures. Weakly fol'd along upper ct at 30 degrees T.C.A. Min's: 0.5-1% f.g. diss Py Remarks: Lower ct gradational to next unit.						
37.2	46.1	CALCAREOUS GREYWACKE Pale greenish grey f.g. to m.g. calcarious gwke. Struct: Massive to weakly fol'd at 40 degrees T.C.A. Remarks: Rock has speckled appearance due to presence of 10% white f.g. anid. mineral. Non-magnetic. Narrow band of exhalite (as from 35.2-37.2) from 42.57-43.23. Very gradational ct with next unit.						
46.1	72.8	AMPHIBOLITIZED GREYWACKE Massive m.g. amphibolite. Probably amphibolitized gwke. Weakly to mod. magnetic. Struct: Massive 1% hairline fractures filled with calcite and qtz +/- minor epidote. 51.36-52.48 fine network of calcite-qtz filled fractures. Min's: Locally tr Py.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Remarks: Gradually becomes finer grained less amphibolitized grading to speckled gwke-argillite from 71.50-72.76. Sharp ct with next unit at 30 degrees T.C.A.						
72.8	84.8	INTERBEDDED GREYWACKE AND ARGILLITE f.g. pale to med. grey gwke-argillite interbedded with bands of f.g. black pyritic-graphitic argillite. Non-magnetic.						
		Struct: Gwke is massive-argillite is thinly bedded at 30-35 degrees T.C.A. Cut by 2-3% fractures healed with calcite qtz. Brecciated sections with fragments of gwke-argillite in calcite-qtz matrix 77.69-77.81, and 78.44-78.58.						
		Alt'n: Unit is pale greenish calcareous from 79.0-81.53. Could be primary as opposed to alt'n.	10146	72.8	74.3	1.5	nil	
			10147	74.3	75.8	1.5	nil	
			10148	75.8	77.3	1.5	nil	
			10149	77.3	78.8	1.5	nil	
			10150	78.8	80.3	1.5	nil	
		Min'n: Locally minor Py assoc. with qtz-carb fracture filling. Streaks and blebs Py parallel to bedding in argillite sections est up to 5% Py in argillite sections. est up to 5% Py in argillite sections.	10151	80.3	81.8	1.5	nil	
			10152	81.8	83.3	1.5	nil	
			10153	83.3	84.8	1.5	nil	
		Remarks: Argillite sections from 72.8-74.4, 78.8-78.95, 81.53-83.80, 84.3-84.8. Grey F.P. dyke from 83.80-84.30 Bands unidentified: white mineral in argillite 81.7-82.2 hardness: =4 woody texture.						
84.8	92.9	MASSIVE GWK Massive med. greenish grey f.g. to m.g. greywacke						
		Struct: Cut by 2-3% fine fractures filled with calc-qtz						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Remarks: Bands of f.g. dark grey to black pyritic argillite 92.04-92.07, 92.38-9290						
92.90	99.10	BIOTITE HBDE F.P. Dk reddish grey f.g. to m.g. biotite-hornblende F.P. About 5% biotite -10% hornblende 10-30% feldspar porphyroblasts. Alt'n: Weakly hematitic-chloritic giving unit reddish tint-alt'n decreases to base of unit. Min'n: 1% f.g. diss Py.						
99.10	106.40	MASSIVE GWK-MAFIC VOLC. Dk grey-green f.g. massive gwk-possibly mafic volc. Struct: Massive 3-4% f.g. hairline fractures, healed with calcite qtz. Min'n: Minor f.g. Py assoc with calc-qtz in fractures. 0.5-1% Py in Gwk. Remarks: dykes of grey hbde F.P. from 100.95-103.75. Irregular lower ct with F.P.						
106.40	113.0	GREY F.P. Med. grey m.g. F.P. 20-30 % feldspar porphyroblasts. 5-10% biotite. Minor hbde. Weakly magnetic. Struct: Massive, few fine hairline fractures healed with calcite.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		<p>Min'n: 0.5-1% f.g. diss Py.</p> <p>Remarks: Lower ct at 55-60 degrees T.C.A.</p>						
113.0	118.0	<p>MASSIVE GWK OR MAFIC VOLCANICS F.g. massive dark to med. grey green gwk or mafic volc. Locally weakly to mod magnetic.</p> <p>Struct: 3-4% hairline fractures healed with calcite qtz.</p> <p>Min'n: 0.5-1% Py in unit, minor Py assoc with calc-qtz in fractures.</p> <p>Remarks: patches grey F.P. 117.67-117.83 Lower ct sharp at 35 degrees T.C.A.</p>						
118.0	133.2	<p>GREY HORNBLENDE BIOTITE F.P. m.g. grey F.P. 30% feldspar porphyroblasts. About 10% each biotite and hornblende. Weakly magnetic.</p> <p>Struct: Massive to weakly fol'd at 45 degrees T.C.A. Very few fractures.</p> <p>Veins: Fine fractures in epidote at 25 degrees T.C.A. 122.73- 2cm white qtz vein at 35 degrees T.C.A. at 125.34.</p> <p>Alt'n: Very weakly chloritic hematitic.</p>						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Remarks: Inclusions of gwk-mafic volc. with ragged irregular edges, (appear to be partially absorbed by porphyry) From 118.36-118.42, 118.90-119.10, 119.14-119.17 119.19-119.22, 119.24-119.32. Fairly sharp ct with next unit at 55 degrees T.C.A.						
133.2	140.4	MASSIVE GWK f.g. grey massive gwk. Non-magnetic.						
		Struct: Massive, 3% hairline fractures healed with calcite.						
		Min's: trace Py.						
		Remarks: Unit ends at band of dark grey to black thinnly bedded argillite 140.15-140.40. Banding in argillite is well defined at 30 degrees T.C.A. Thin bands of Py in argillite. Gradational ct with next unit.						
140.4	142.5	EXHALITE V.f.g. slightly greenish grey carbonate rock-reacts with undilute lt. C.L. -3% fine hairline fractures.						
		Min's: trace Py.						
		Remarks: Upper contact gradational from argillite above Becomes dark grey sheared at 20-30 degrees T.C.A. Alt'd to calcitic from 141.80-142.50 as approach lower contact. Lower ct sharp at 20 degrees T.C.A.						
142.5	163.00	AMPHIBOLITIZED GREYWACKE dk grey green m.g. to c.g. amph'd greywacke. Slightly calcitic						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Weakly magnetic. 1-2% f.g. diss Py.						
		Struct: Massive m.g. becomes finer grained below 153.36 1% fractures healed with qtz calcite. Most commonly at 40 degrees T.C.A.						
		Remarks: Lamp dyke 146.06-146.05 Irregular contact with next unit.						
163.00	170.52	GREY HORNBLENDE-BIOTITE F.P. Grey f.g. to m.f. hornblende biotite F.P. 5-10% biotite minor hbde.						
		Alt'n: Reddish colour due to hematite-chl alt'n 166.93-170.20						
		Min'n: 0.5-1% v.f.g. to f.g. diss Py.						
170.52	174.25	GREYWACKE F.g. grey greenish gwk Massive, weakly amphibolitized						
		Struct: Few fine hairline fractures healed with calcite						
		Alt'n: Silicified calcareous section 170.85-171.13 Silicified brecciated hematitic section 172.22-172.54.						
		Remarks: Lower ct sheared at 50 degrees T.C.A.						
179.8	186.4	AMPHIBOLITIZED GREYWACKE Dk grey f.g. to m.g. amphibolite. Amphibolitized greyacke.?						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		<p>Struct: Sheared well fol'd 179.8-180.3. This section quite calcitic. Stringers of qtz calcite 119.8-179.9, 180.6-180.8. Breccia zone with fragments of amph'd greywacke in a calcitic matrix 180.93-181.07. Stringers qtz calcite parallel to fol'n 181.90-182.30; at 45 degrees T.C.A.</p> <p>Remarks: Section pale grey sheared F.P. 129.96-130.67 Unit becomes finer grained towards base grading into next unit.</p>						
186.4	189.50	<p>EXHALITE F.g. grey green. Siliceous carbonatic rock-green siliceous sections interbedded with grey calcitic ones.</p> <p>Struct: Finely bedded at 30-35 degrees T.C.A.</p> <p>Min'n: Traces f.g. Py along hairline fractures 189.1-189.50</p>						
189.50	190.4	<p>AMPH'D GWK dk grey to black amph'd gwk</p> <p>Remarks: Breccia zones with frags. of gwk in calc matrix 189.52-189.75-189.83.</p>						
190.4	191.2	<p>LAMP DYKE Sheard green well fol'd lap dyke. Well fol'd at 45 degrees T.C.A.</p>						
191.2	192.7	<p>HEMATITIC LAMP DYKE f.g. to v.f.g. hematitic lamp dyke upper portion foliated at 35-40 degrees T.C.A.</p>						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
192.7	194.7	INTERBEDDED EXHALITE AND ARGILLITE Interbedded thinly bedded argillite and grey v.f.g. thinly bedded. Siliceous exhalite 193.55-193.70 Siliceous breccia zone. Fragments of exhalite in a qtz-calcitic matrix. Traces Py.						
194.7	205.70	AMPHIBOLITIZED GREYWACKE Dark grey green m.g. amphibolites. Moderately magnetic. Struct: Massive with a few calcite stringers. Veins: 3 cm qtz vein 194.95-194.99 Remarks: Lamp dyke 197.03-197.29 dykes grey F.P. 198.30-198.81; 199.86-200.22; Lamp dyke 202.61-203.13 Lower ct sharp at 25-30 degrees T.C.A.						
205.70	209.8	MATRIX DOMINANT HBDE F.P. DYKE (LAMP) Reddish grey f.g. to m.g. lamprophyre Speckled with 5-10% feldspar porphyroblasts. 207.5-209.0 10-15% hornblende. Calcitic, weakly magnetic. 1-2% f.g. diss pyrite. Struct: Weakly fol'd at 40-45 degrees T.C.A.						
209.8	211.6	AMPHIBOLITE Grey green m.g. amphibolite. 40% amphibole-60 % green alt'd feldspar. Strongly magnetic. Struct: Weakly fol'd at 40 degrees T.C.A.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
211.6	215.8	MATRIX DOMINANT HORNBLLENDE F.P. DYKE (LAMP) As from 205.7-209.8 but speckled with 5% feldspars throughout lower ct at 70 degrees T.C.A.						
215.8	218.3	AMPHIBOLITE As from 209.8-211.6 fol'd from 60-45 degrees T.C.A.						
218.3	222.8	MATRIX DOMINANT HORNBLLENDE F.P. DYKE (LAMP) As from 211.6-215.8 but grain size of matraix increasing 10-15% feldspars.						
222.8	223.4	CHERT V.f.g. dark grey to pale brown chert Struct: Brecciated to banded at 20-30 degrees T.C.A.						
223.4	231.2	FELSIC LAMP DYKE Foliated felsic lamp dyke. 10-15% streaked out hornblende- calcitic-non-magnetic Struct: Mod. well fol'd at 45 degrees T.C.A. Min'ns 5% Py near upper ct 223.4-223.6. Traces Py in rest of unit.						
231.2	232.2	CHERT As from 222.8-223.4. But well banded at 40 degrees T.C.A. Appears to have formed at both contactsof felsic lamp Gradational ct with next unit.						
232.2	264.0	DIABASE DYKE Dk grey massive m.g. diabase dyke Mod.-strongly magnetic.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		<p>Struct: Massive notable absence of hairline fractures healed with calcite.</p> <p>Min's: Traces Py.po</p> <p>Remarks: epidote rich bands 238.60-238.70. Few mm scale bds to 238.9. Narrow bands, 242.81, 243.02, 244.27-247.37. 247.63 Patch of grey F.P. on one side of core 261.63-261.75 Lower ct runs subparallel to core from 262.70-263.7. Patch grey F.P. from 262.70-263.40 on one side of core-Contact marked by patches of pale grey calcite.</p>						
264.0	268.0	<p>GREY F.P.:</p> <p>10-15% feldspars in a f.g. grey matrix. 3-5% f.g. hornblende. Nonmagnetic, weakly hematitic 266.38-267.38.</p> <p>Alt's: Alt'd weakly hematitic 266.38-267.38 Only faint relict feldspars in this section. Also this section chl.</p> <p>Min's: 1-2% f.g. diss Py.</p> <p>Remarks: Inclusion of mafic volcs. 267.67-267.74</p>	10154	264.0	265.0	265.0	1.5	nil
			10155	265.0	266.0	266.5	1.5	nil
			10156	266.5	268.0	268.0	1.5	tr
268.0	274.7	<p>AMPH'D MAFIC VOLCANICS</p> <p>M.g. dark grey to black amphibolite-strongly</p> <p>Struct: massive 1-2% hairline fractures healed with calcite +/- epidote-qtz.</p>	10157	268.0	269.3	1.3		tr

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Alt'n: Extensive epidote alt'n throughout unit.						
		Min'n: 3-4% diss Py from 268.0-269.28						
		Remarks: Grey F.P. dyke from 269.27-269.63.						
274.4	280.2	AMPG'D GWK-MAFIC VOLCANICS. Similar to above unit but finer grained. Noticable lack of epidote -magnetic						
		Struct: Massive 2-3% fractures filled with calcitic qtz.						
		Min'n: tr Py. Also minor Py assoc' d with calcite qtz in fractures.						
		Remarks: Lower ct sharp at 25-30 degrees T.C.A.						
280.2	283.7	LAMPROPHYRE DYKE F.g. grey lamp dyke, weakly calcitic Few m.g. to f.g. hornblende. tr Py						
		Remarks: Gradational ct into next unit from 283.1-283.7						
283.7	288.0	GREY F.P. M.g. grey F.P. non-magnetic. Very weakly hematitic. tr Py						
288.0 - 295.1		AMPH'D GWK: dk grey, - to black, f.g. amphi'd gwk: Struct: massive; <u>Alteration</u> : calcite with + + stys co. sub parallel to core 288.1 - 293.1 Min: 1-2% f.s. Py Remarks: Very gradational ct with next unit						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
295.1	322.5	<p>AMPHIBOLITE Med. grained becoming c.g. amphibolite Grain size increases noticeably with depth in unit. Metamorphosed mafic volcs or intrusion. Quite strongly magnetic.</p> <p>Alt'n: Epidote quite prominent below 303.0 Healed with calcite-epidote Qtz.</p> <p>Min'n: F.g. diss Py assoc with calc-Qtz-epidote in fractions. 1-2% f.g. diss Py.po in unit.</p> <p>Remarks: Extensive Qtz calcite veining along lower ct. 322.3-322.5</p>						
322.5	340.5	<p>GREY BIOTITE F.P. Grey m.g. biotite F.P. -25-30 % FELDSPARS 10% f.g. diss bio.</p> <p>Alt'n: Very fresh, slightly hematitic 334.20-334.8</p> <p>Struct: Massive, few hairline fractures healed with calcite-Qtz epidote.</p> <p>Remarks: Inclusion of amphibolite 324.60-325.60</p>						
340.50	355.80	<p>AMPHIBOLITIZED GWK (AMPHIBOLITE) Med. green, m.g. to c.g., magnetic, comprised mainly of amphibole about 75%.</p> <p>Struct: Massive.</p>						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Alt'n and Veins: Moderate epidote alt'n throughout with numerous patches and veins of calcite and epidote.						
355.80	367.25	GREY BIO F.P. As above. 322.5-340.5.						
		Remarks: Alt'n turns green over last 3m of sections, epidote??						
367.25	403.70	AMPHIBOLITIZED GWK As above. 340.50-355.80						
403.70	416.82	PILLOWED MAFIC VOLC? FLOW BX.? Green, f.g., magnetic.						
		Struct: Possible pillow salvages and variolites.						
		Veins: Numerous thin lt. grey calcite veins chloritic infillings.						
		Min'ns: Tr m.g. to c.g. Py						
416.82	434.46	AMPHIBOLITIZED GWK As above.						
434.46	436.20	BEDDED ARGILLITE AND SILTSTONE Grey to black, fine grained, non-magnetic.						
		Struct: Good bedding at 45 degrees T.C.A.						
436.20	447.85	AMPHIBOLITIZED GWK As above.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
447.85	450.10	MAFIC LAMP DYKE Dk grey to black, f.g., non-magnetic. Struct: Minor schistosity at 45 degrees T.C.A.						
450.10	467.60	MASSIVE GWK-MAFIC VOLC. Grey-green, f.g., magnetic. Struct: Minor shearing generally massive. Veins: Numerous randomly oriented calcite veins Epidote alt'n throughout.						
467.60	475.15	SHEARED SILICIFIED U.M. T.C.C.S. Pale green, f.g., non-magnetic. Struct: Highly sheared at 45 degrees T.C.A. Veins: Numerous qtz-cb patches and veins. Min's: tr f.g. Py.	10158	470	471.5	1.5	tr	0.1
475.15	477.64	SERICITIZED F.P. Yellow-red, m.g., non-magnetic. Struct: Sheared Alt'n and Veins: Sericitized and cb'd with thin lt grey qtz-cb veins.	10159	471.5	473	1.5	tr	nil
			10160	473	474.5	1.5	tr	nil
			10161	474.5	476	1.5	tr	0.1
			10162	476.00	477.50	1.5	tr	0.1

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Min'ns tr-0.5.						
477.64	481.40	HBLD F.SP PORPH. Grey red, m.g., non-magnetic.						
		Struct: Massive.						
		Veins: Few thin lt grey cb veins.	10163	477.50	479.00	1.5	tr	tr
			10164	479.00	480.5	1.5	tr	nil
		Min'ns tr f.g. Py						
481.40	488.90	RED ALT'D F.P. Red, m.g., non-magnetic.						
		Struct: Sheared.						
		Alt'n and Veins: Good red cb alt'n throughout. Slightly chl in places. Numerous thin qtz-cb veins. Mod. sericite alt'n.						
			10165	480.5	482	1.5	tr	0.1
		Min'ns	10166	482	483.5	1.5	tr	tr
		tr-0.5% f.g. diss Py.	10167	483.5	485	1.5	tr	0.1
			10168	485	486.5	1.5	tr	tr
			10169	486.5	488	1.5	tr	tr
			10170	488	488.9	0.9	tr	tr
488.90	490.40	CARBONATIZED MAFIC VOLC.-U.M. Dull green, f.g., maganetic, cherty in places.						
		Struct: Remnant spx possibly present.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Alt'n and Veins: Very cb rich and chloritic. Numerous thin qtz and qtz-calc veins.						
490.40	493.82	LAMP DYKE As above. 447.85-450.10.						
493.82	495.30	RED ALT'D F.P. As above, becoming relatively unalt'd over the last 1.0 m of the section.						
495.30	498.30	CARBONATIZED U.M. (SHEARED U.M.) Pale green, f.g., magnetic.	10206	493.80	495.30	1.5	tr	tr
		Struct: Well banded at 80 degrees T.C.A. with remnant polyhedral jointing.						
		Veins: Numerous thin 2mm qtz-cb veins.						
498.30	503.22	SERICITIZED F.P. As above but with distinct qz-cb bands throughout. Quite siliceous throughout with small qtz stringers.	10171 10172 10173 10174	498.00 499.50 501 502.5	499.5 501 502.5 504	1.5 1.5 1.5 1.5	tr tr tr tr	0.2 tr 0.2 0.1
503.22	507.50	HBLD F.SP PORPH As above. Slightly sericitized						
507.50	553.15	SERICITIZED RED ALT'D F.P. Pink red, m.g., slightly magnetic.	10175 10176 10177 10178 10179 10180 10181 10182 10183 10184	507.5 509 510.5 512 513.5 515 516.5 518 519.5 521 521	509 510.5 512 513.5 515 516.5 518 519.5 521 522.5	1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	tr-0.5 0.5-1 tr-1 tr-0.5 tr-0.5 tr-0.5 tr-0.5 tr-0.5 tr-0.5 tr-0.5	tr tr tr nil <0.1 0.1 0.1 <0.1 0.1 0.1
		Struct: Highly sheared.						
		Alt'n and Veins: Good red alt'n with mod. sericite alt'n. Sections with numerous thin lt. grey cb veins and minor q.v.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Fy	g/t Au
		Q.v. becomes greater: about 546.50-551.50.						
		Min'ns	10185	522.5	524	1.5	tr-0.5	0.2
		0.5-1% f.g. diss Py.	10186	524	525.5	1.5	tr-0.5	0.5
			10187	525.5	527	1.5	tr-0.5	0.3
553.15	582.53	GREY BIO. F.P.	10188	527	528.5	1.5	tr-0.5	1.4
	E.O.H.	As above 322.5-340.5.	10189	528.50	530.0	1.5	tr	0.2
		Becoming very fresh and chloritic in places	10190	530	531.5	1.5	tr	0.3
			10191	531.5	533	1.5	tr	0.7
		DRILLING NOTES.	10192	533	534.5	1.5	tr	0.5
		BQ CORE DRILLED	10193	534.5	536	1.5	tr	0.2
		CASING LEFT IN HOLE	10194	536	537.5	1.5	tr	0.2
		MAY BE RE-ENTERED.	10195	537.5	539	1.5	tr	0.1
			10196	539	540.5	1.5	tr	0.2
		CHRIS ZORZI	10197	540.5	542	1.5	tr	0.4
		21/09/87	10198	542	543.5	1.5	tr	0.2
			10199	543.5	545	1.5	tr	0.1
			10200	545	546.5	1.5	tr	0.1
			10201	546.5	548	1.5	tr	0.3
			10202	548	549.5	1.5	tr	0.5
			10203	549.5	551	1.5	tr	0.5
			10204	551	552.5	1.5	tr	0.4
			10205	552.5	553.15	0.65	tr	0.5

Property	TP. or Area	Azimuth	Date Started	Corrected Dip	Tests	Location sketch
South Rundle	Newton	200	21/09/87			
Project	Lot. & Conc.:	Dip	Date Completed			
.3382		-57	23/09/87			
Claim No.	Co-ordinates:	Length	Drilled By:			
	2041.122N/3087.846E	199.94	Morissettes.			
Grid No.	6+408E 87.5m NE of	Collar	Logged By:			
	Ref. Line.	Elevation	A. Soever			
		3999.529				

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To							

		OBJECTIVES: -To test A South Zone on this section.	Depth					
			Feet	Metres	trbrg	trbrg	estbrg	dip type
0	3.9	OVERBURDEN						test
		Casing to 4.44	26'	7.92			200.2	-59 Acid
			156'	47.55			201.5	-55 Acid
3.9	4.4	BOULDERS POSSIBLY BEDROCK.	161'	49.07	209	201.5	201.5	-54 Tropari covered in casing.
		Recovered in casing. diorite, grey	306'	93.26			202.9	Acid
		F.P. and amphibolitized gwke.	321'	97.84	202.5	195*	203	-52 Tropari*
			456'	138.98			204.3	-52.5 Acid
4.4	11.4	AMPHIBOLITIZED GREYWACKE	600'	182.87			205.6	-52 Acid
		Dk grey f.g. to m.g. amphibolite.	651'	198.42	221	213.5*	206	-52 Tropari
		2-3% grey qtz grains. Calcitic. Moderately magnetic.						

+No good mag for sample 321'
651'

Struct:
Fol'd at 40-45 degrees T.C.A., 2-3% fractures healed with calcite-qtz.

* Note: est brg. based on avg deviation from tropari at 161' (49.07m)

Min'n:
Faint trace diss Py.

Remarks:
Unit is very fine grained red to pale grey. finely laminated 10.5-11.4. Argillite? Two bands v.f.g. grey siliceous exhalite 11.15-11.24,

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		11.36-11.43 with v. f.g. Py.						<u>T 1 OF</u>
11.4	13.4	GREY HORNBLLENDE F.P. (HORNBLLENDE LAMP) Grey f.g. matrix dom. F.P. 1-2% feldspar phenocrysts. 10% hornblende. Weakly magnetic. Struct: Weakly fol'd at 40-45 degrees T.C.A. Min'n: 1% f.g. to v.f.g. diss Py. Remarks: Lower ct at 20 degrees T.C.A.						
13.4	16.00	AMPHIBOLITIZED GWK as from 4.4-11.4, but slightly coarser grained. Remarks: Lower ct at 40 degrees T.C.A.						
16.00	18.00	GREY HORNBLLENDE F.P. (HORNBLLENDE LAMP) As from 11.4-13.4, verging on hornblende lamp.	10207 10208 10209	29.7 30.7 31.7	30.7 31.7 32.7	1.0 1.0 1.0	0.1 0 0.2 tr	
18.0	30.7	AMPH'D GWK As from 4.4-11.4 Minor epidote assoc. with qtz-calc veins 23.8-24.1. On fine fracture, subparallel to core 29.20-30.63 healed with calcite. 2% f.g. diss Py as approach ct with q.v. F.P., 30.5-30.7.						
30.7	32.7	ALT'D GREY Q.V. F.P. Pink to grey m.g. alt'd F.P. Pink to grey m.g. alt'd F.P. Cut by numerous qtz-calcite veins from mm						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		to cm scale at 10-30 degrees T.C.A. Unit is 30 % veins>						
		Alt'n: Weakly hematitic-chloritic.						
		Min'n: 2-3% f.g. to m.g. diss Py from 30.7-30.9 1% f.g. to m.g. diss Py in rest of unit. Blebs and streaks of pyrite up to 5mm across in porphyry 31.3-31.6.						
32.7	35.1	ARGILLITE	10210	32.7	33.7	1.0		0.2
		Dk grey f.g. argillite.	10211	33.7	35.1	1.4		0.1
		Struct: Well fol'd schistose at 30-40 degrees T.C.A.						
		Veins: 1-2% euhedral pyrite.						
		Remarks: Generally non magnetic brecciated section from 33.1-33.3 to strongly magnetic.						
35.1	41.4	ARGILLITE-GREYWACKE						
		Grey f.g. argillite to greywacke. Magnetic weakly calcitic. Locally weakly amphibolitized.						
		Struct: Massive to weakly fol'd at 30-40 degrees T.C.A. 2-3% fractures healed with calcite.						
		Min'n: 1-2% f.g. to m.g. euhedral Py assoc with calcite fracture filling.						
		Remarks: Becomes paler grey, finer grained towards base						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %		S
From	To						Py	G/T Au	
Gradational contact with next unit.									
41.4	43.2	ARGILLITE-EXHALITE	10212	41.4	42.2	0.8	5	nil	
		Dk grey to black, thinly bedded argillite interlayered with beds of grey f.g. siliceous rock. Exhalite? from 41.4-41.8, 41.8-42.0, 42.3-43.2.	10213	42.2	43.2	1.0	5	tr	
Min's:									
Thin bands, blebs and patches and f.g. disseminations of Py. Est- 5% Py.									
Struct:									
Finely bedded at 30-35 degrees T.C.A.									
Remarks:									
Calcite qtz veining 43.1-43.2 adjacent to lower ct.									
43.2	55.0	SHEARED U.M. TALC-CHLORITE-CARBONATE SCHIST	10214	43.2	44.2	1.0	tr	tr	
		Grey green sheared ultramafic, talc chlorite-carbonate schist. Locally relict spinifex texture in less schistose sections.	10215	44.2	45.3	1.1	tr	nil	
			10216	45.3	46.5	1.2	1-2	nil	
			10217	46.5	47.7	1.2	3-4		
			10218	47.7	49.2	1.5	tr	nil	
			10219	49.2	50.7	1.5	tr	nil	
		Moderately to highly schistose at 35-40 degrees T.C.A. 4% hairline fractures healed with calcite subparallel to schistosity.	10220	50.7	51.6	0.9	5%	nil	
			10221	51.6	52.6	1.0	1%	nil	
			10222	52.6	53.4	0.8	1%	nil	
			10223	53.4	55.0	1.6	tr	tr	
Min's:									
1-2% pyrite assoc with calcite veinlets 45.3-46.5 m. 3-4% f.g. to v.f.g. diss Py in sheared lamp dyke 46.5-47.65. Tr Py is more massive U.M. 47.65-50.7. 5% Py in fine stringers assoc with T.C.C.S. and grey siliceous rock 50.7-51.6. 1% f.g. diss Py Grey F.P. 51.6-53.4.									
Remarks:									
F.G. sheared lamp-highly calcite-non-magnetic									

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		46.5-47.65. Grey f.g. hbde F.P. 51.61-53.4.						
55.0	57.45	SPECKLED ARGILLITE Dk grey schistose f.g. dark grey argillite. Speckled with 5% white calcite. Struct: Sheared schistose at 35-40 degrees T.C.A. Veins: Network of white dolomite veins 56.0-56.40. Min's: 1% f.g. diss Py. Stringer of m.g. euhedral Py at 55.65.						
57.45	59.50	ARGILLITE BRECCIA Clasts of black f.g. argillite in a paler grey calcitic matrix. Min's: 1-2% f.g. to m.g. Py in calcitic matrix.						
59.50	67.10	MASSIVE GWK Massive f.g. med. grey greywacke. Weakly magnetic. Struct: 2-3% fractures healed with calcite qtz. Min's: f.g. Py assoc in qtz-calcite in fractures est- 1-2% Py. Remarks: Lower ct sharp at 45 degrees T.C.A.						
71.10	71.50	ARGILLITE Black to grey f.g. finely bedded argillite						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Struct:						
		Finely bedded at 45 degrees T.C.A.						
		Locally bedding highly contorted.	10224	67.1	68.1	1.0	5	
		Few calcite qtz veins.	10225	68.1	69.6	1.5	5	nil
			10226	69.6	71.1	1.5	5	nil
		Min's:	10227	71.1	71.5	0.4	5	
		F.g. diss Py in grey bands cm scale						
		Blebs of Py scattered throughout est 5% Py.						
		Remarks:						
		Sharp lower ct at 45 degrees T.C.A.						
71.50	77.80	SPINIFEX U.M.						
		Pale green grey slightly sheared u.m. flow.						
		Spinifex texture quite common throughout.						
		Alt's:						
		Slightly sheared sections spinifex to massive shearing at 45 degrees T.C.A.						
77.80	79.20	GREYWACKE						
		similar to 59.5-67.10						
		Calcitic carbonated sections.						
		3% qtz-calcite veins with Py.						
79.20	85.10	SHEARED U.M.-TALC-CHLORITE-CARBONATE SCHIST.						
		Sheared grey-green U.M. verging on T.C.C.S.						
		Locally spinifex.						
			10228	79.20	79.9	0.7	2	0.3
		Struct:	10229	79.70	80.8	1.1	<1	tr
		Sheared at 45 degrees T.C.A. Few	10230	80.80	81.7	0.9	3	nil
		submissive or spinifex sections.	10231	81.7	83.2	1.5	tr	tr
			10232	83.2	84.2	1.0	tr	nil
		Min's:	10233	84.2	85.1	0.9	tr	nil
		Diss Py in U.M. adjacent to contacts with argillite bands 79.30-79.70, 79.8-79.9 80.7-80.8.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Remarks: Bands black pyritic argillite 79.7-79.8, 80.8-81.7.						
85.10	88.80	GREY (MATRIX DOM'T) HORNBLENDE F.P.	10234	85.10	86.10	1.0	1	nil
		Grey f.g. (matrix dom) F.P.	10235	86.10	87.60	1.5	1	nil
		3-5% feldspar porphyroblasts.	10236	87.60	88.8	1.2	1	nil
		<5% hornblende. Trace to 1% Py. Non-magnetic.						
		Alt'n: 86.8-87.5. Weakly hematitic-chloritic.						
88.8	93.6	SHEARED U.M.-TALC-CHLORITIC-CARBONATE SCHIST Grey green sheared ultramafics.						
		Struct: Massive to sheared to T.C.C.S. Locally relict spinifex. Shearing most intense towards base.						
		Remarks:	10237	88.8	90.3	1.5	tr	0.3
		Unit ends at breccia zone 93.2-93.6.	10238	90.3	91.8	1.5	tr	<0.2
			10239	91.8	92.8	1.0	tr	<0.2
93.6	112.9	CARBONATED MAFIC VOLCANICS.	10240	92.8	93.6	0.8	tr	<0.2
		Pale green f.g. mafic volcanics.	10241	93.6	96.6	1.5	2-3	<0.2
		very calcitic. Non-magnetic.	10242	95.1	98.1	1.5	tr	<0.2
			10243	96.6	99.0	1.5	tr	<0.2
		Struct:	10244	98.1	100.2	0.9	tr	<0.2
		Generally fairly massive, weakly fol'd	10245	99.0	101.2	1.2	tr	<0.2
		at 45-50 degrees T.C.A. Fractured with	10246	100.2	101.1	1.0	tr	<0.2
		mm scale fractures healed with qtz.	10247	101.2	102.2	1.0	1	<0.2
		Fine graphitic fracture filling						
		102.05-104.4, 105.39-105.58,						
		106.10-107.20 Sections of volc-argillite breccia						
		100.75-100.93						
		102.6-103.25 1% fractures healed with qtz calc						
		94.9-96.2						
		3-4% from 96.2-99.0, tr from 100.2-107.2. Major veins						
		107.2-107.27, 107.69-107.87.						
		Unit becomes more sheared towards base grading into next unit.						

METRES		DESCRIPTION	Sample#	From	To	Est. % Length <u>Py</u>	ASSAYS g/t Au
From	To						
		Veins: Qtz-calcite flooding 94.9-95.1, Qtz calc veins 107.2-107.27, 107.69-107.87.					
		Min's: Fine grained diss Py in well fol'd section 93.6-94.85 2-3% Py assoc with fine qtz filled fractures in same section. 1% Py filling fractures 100.2-102.0.					
		Alt'n: Pervasively calcitic-pale greyish green qtz. Carb alt'n non-calcitic 97.10-97.9, 98.1-98.2 in wispy bands at 40 degrees T.C.A.					
		Remarks: Section sheared carbonated alt'd F.P. 99.0-100.2 Band of argillite 108.77-109.87, highly graphitic.					
112.9	118.9	SHEARED CARBONITIZED MAFIC VOLCS Sheared equivalent of unit above. Gradational ct Quite calcitic. Non-magnetic. Variable unit 112.9-113.6. Easily recognized as sheared equivalent of unit above. Chloritic schist, slightly talcoso supertinous tr Py. 113.6-115.6 very highly sheared, f.g. silicified-mylonitic 114.33-114.40. Q.v. with 3-4% Py. CA=55-60 degrees T.C.A. Silicified section in fine hairline fractures 115.24-115.6. Sharp ct with next sub unit at 60 degrees T.C.A. 115.66-117.76, green serpentinous chl schist, -30% white wisps and augen of qtz-dolomite-trace f.g. diss Py Contorted fol'n at about 45 degrees T.C.A 117.76-118.2- Qtz vein unmi eralized. 118.2-118.6- Grey calcitic highly alt'd porphyry . 1% v.f.g. diss Py. 118.6-118.9- Alt'd mafic volcanics- Fractured with pale grey alt'n 2% f.g. to v.f.g. diss Py. Gradational ct with next unit.					

METRES		DESCRIPTION	Sample#	From	To	Length	Est% Py	ASSAYS	
From	To							Au	kkk
118.9	134.10	MAFIC VOLCANICS	10248	112.9	113.6	0.7	tr	<0.2	
		Grey f.g. to m.g. mafic to int. volcs.	10249	113.6	114.6	1.0	tr	<0.27	
		Non-magnetic.	10250	114.6	115.6	1.0	tr	<0.2	
			10251	115.6	116.6	1.0	tr	<0.2	
			10252	116.6	117.8	1.2	tr	<0.2	
		Struct:	10253	117.8	118.2	0.4	nil	<0.2	
		Fairly massive locally possibly pillowed	10254	118.2	118.6	0.4	1%	<0.2	
		3% fine hairline fractures healed with calcite qtz. Argillite breccia with argillite frags in calcitic qtz matrix 131.43-131.58.	10255	118.6	118.9	0.3	2%	<0.2	
		Alt'n:							
		Locally mottled pale green grey by calcite-epidote alt'n. Extensive epidote alt'n along fractures 29.76-130.80.							
			10256	128.4	128.8	0.4	0.5-1	<0.2	
		Min'n:	10257	128.8	129.7	0.9	0.5-1	<0.2	
		0.5-1% Py associated mainly with calcite-qtz in fractures or epidote alt'n. 3% f.g. Py associated with calcite-qtz veins 127.85-129.50.	10258	129.7	130.4	0.7	0.5-1	<0.2	
		Remarks:							
		Section calcareous sed. unit 127.45-127.80, narrow band of pyritic argillite 128.85-129.7. f.g. flow or interflow argillite sediment. Argillite from 130.80-131.58.							
134.10	135.9	CALCAREOUS ARGILLITE							
		Pale green to dk grey f.g. interbanded calcareous sediment. and argillite.							
		Struct:							
		fine bands at 35-60 degrees T.C.A. Sheared.							
		Min'n:							
		8-10% pyrite as f.g. disseminations and wispy streaks along fol'n at about 30 degrees T.C.A.							

METRES		DESCRIPTION	Sample#	From	To	Length	Est% Py	ASSAYS g/t Au
From	To							
		Remarks: Ct with next unit sharp at 20 degrees T.C.A.	10302	134.10	135.4	1.3		<0.20
135.9	142.9	MAFIC VOLCANICS Pale green grey f.g. to m.g. mafic volcs Non-magnetic.	10303	141.80	142.90	1.1	3	<0.20
		Alt'n: Quite calcitic locally with patches pale green carbonitized mafic volcs. Shot through with 6-7% fine hairline fractures healed with calcite-qtz +/- epidote.						
		Min'n: tr f.g. diss Py. 10-20% Py assoc with calc vein 139.26-139.30. 3% Py in volcs 141.77-142.9.						
		Struct: Massive with numerous hairline fractures.						
		Remarks: f.g. matrix dom F.P. dyke with 1% f.g. diss Py 140.10-141.77.						
142.9	146.2	ARGILLITE-GWAKE-EXHALITE Interflow sediments comprised of:	10304	142.90	143.55	0.65	15%	<.20
			10305	143.55	144.60	1.05	1%	<.20
			10306	144.60	145.60	1.00	1%	.45
		1) Black to dk green grey f.g. argillite from 142.90-143.55. fine contorted banding at 35 degrees T.C.A. Irregular cm scale patches and wisps of Py. Est 10-15% Py.	10307	145.60	146.20	0.60	7%	<.20
		2) Grey m.g. greywacke 143.55-145.60, Massive -1% f.g. diss Py. Calcite qtz veins at 145.20-145.27, 145.51-145.63.						
		3) Grey f.g. siliceous exhalite 145.60- faint weak banding at 30 degrees T.C.A. 6-8% f.g. diss Py as f.g. diss and few cm scale patches.						
146.2	159.20	MAFIC TO U.M. FLOWS Grey green f.g. mafic volcs.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est%	ASSAYS
From	To						Py	g/t Au
Non-magnetic to locally very weakly magnetic.								
Struct:								
Massive flows. 3-4% fine hairline fracture healed with calcite +/- qtz +/- epidote -?polyhedral jointing.								
			10308	146.20	147.7	1.5	tr	<0.2
			10309	147.70	148.2	0.5	6	<0.2
		Veins:						
		Wispy calcite vein with fagmets and vein	10310	148.2	149.7	1.5	1	<0.2
		qtz 152.18-152.50. Calcite-qtz veins with	10311	149.7	150.9	1.2	3-5	<0.2
		hem subparallel. T.C.A. 156.60-157.00.	10312	150.9	151.5	0.6	1	<0.2
			10313	151.5	152.2	0.7	3-4	<0.2
		Min'ns	10314	152.2	153.7	1.5	1-2	<0.2
		8% Py assoc with band of siliceous ex-	10315	153.7	154.7	1.0	1-2	<0.2
		halite 147.70-148.00. 3-5% fg diss Py	10316	154.7	155.5	0.8	1-2	<0.2
		in mafic volcs 148.0-148.18, 149.7-	10317	155.5	157.0	1.5	tr-1	<0.2
		150.90. 1% fg diss Py in grey F.P.	10318	157.0	158.5	1.5	tr-1	<0.2
		148.18-149.70, 150.9-151.45. 3-4% Py in	10319	158.5	159.2	0.7	tr	<0.2
		mafics assoc with calc veins						
		151.50-152.2. 1-2% Py 152.2-155.5. Tr Py						
		155.						
Remarks:								
Band grey siliceous exhalite 147.7-148.0- Sections grey F.P. 148.20-149.70, 150.9-151.45. F.g. black argillite in mm scale fractures 155.75, 156.00-156.40, 157.0-157.25, 158.0-158.6.								
159.20	164.20	PALE GREY ALT'D F.P.	10320	159.2	160.7	1.5	tr	<0.2
		Grey f.g. to m.g. alt'd F.P.	10321	160.7	162.2	1.5	tr	<0.2
		Non-magnetic.	10322	162.2	163.2	1.0	tr	<0.2
			10323	163.2	164.2	1.0	tr	<0.2
Struct:								
Massive 159.20-162.0- 3% fine fractures healed with calcite-qtz.								
Alt'ns:								
Porphyry is bleached pale beige adjacent to fine healed fractures 159.2-162.0								

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		162.30-162.70.						
		Veins: Several narrow <1cm wide q.v. in alt'd section 159.20-162.70.						
		Min's: est 0.5% f.g. to v.f.g. diss Py.						
		Remarks: Porphyry is fresher towards base lower ct. Sharp at 30 degrees T.C.A.						
164.2	167.0	POLYHEDRAL U.M. Dk grey green polyhedrally jointed U.M. flow. Quite calcitic locally magnetic.						
		Struct:	10324	164.2	1.5		3	<0.2
		Polyhedral jointing with chlorite.	10325	165.7	1.3		3	<0.2
		Alt's: Calcitic.						
		Min's: 3% f.g. diss Py of the assoc with calc in fractures. 5% diss y with argillite-exhalite band						
		Remarks: Section grey banded argillite-exhalite 164.77-165.02. Narrow lamp dyke at lower ct 166.81-167.97. Lower ct sharp at 25-30 degrees T.C.A.						
167.0	170.1	ALT'D MAFIC TO U.M. VOLCANICS AND ALT'D F.P. Interlayered highly alt'd F. P. and highly alt'd pale green to beige mafic or u.m. volcanics.						
		Alt's: Volcanics are higly alt'd pale beige f.g.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Struct: Cut by mm to 0.5cm wide fractures. Healed by dolomite + qtz.						
		Min's: <1% f.g. diss Py throughout.						
			10326	167.0	168.5	1.5	<1	<.2
			10327	168.5	170.1	1.6	<1	<.2
		Remarks: Section red alt'd F.P. 167.0-167.8. ? Highly alt'd bands of porphyry or very highly alt'd volcs, with 10% white dol +qtz veins 168.1-168.37, 169.45-169.95. Lower ct of unit marked by mylonite and fine cataclastic breccia at 35 degrees T.C.A. 169.95-170.05.						
170.1	187.4	RED ALT'D F.P. Pink to red alt'd F.P. Non-magnetic.						
		Alt's:						
		Completely alt'd only faint relict feldspar phenocrysts. No biotite-	10328	170.1	171.6	1.5	tr-1	0.54
		Slightly hematitic-chloritic.	10329	171.6	173.1	1.5	tr-1	<0.2
		Locally weakly sericitic. Section	10330	173.1	174.6	1.5	tr-1	<0.2
		intense pale beige qtz-carb alt'n	10331	174.6	176.1	1.5	tr-1	<0.2
		171.46-171.52. Alt'n becomes less	10332	176.1	177.6	1.5	tr-1	<0.2
		intense to base of unit.	10333	177.6	179.1	1.5	tr-1	<0.2
			10334	179.1	180.6	1.5	tr-1	<0.2
			10335	180.6	182.1	1.5	tr-1	<0.2
		Struct:	10336	182.1	183.6	1.5	tr-1	<0.2
		Massive to weakly fol'd at 50-55	10337	183.6	185.1	1.5	tr-1	<0.2
		degrees T.C.A. 3-4% hairline to	10338	185.1	186.6	1.5	tr-1	1.13
		mm scale fractures healed with	10339	186.6	187.4	0.8	tr-1	2.40
		dol-qtz						
		Veins: Early qtz vein, qtz vein, qtz flooding in porphyry. 175.16-175.24. Qtz vein in fragments F.P. 185.50-185.61.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Min'n: tr 1% f.g. to v.f.g. diss Py.						
		Remarks: Int. lamp dyke 180.2-182.1: Gradational contact with next unit.						
)	187.4	199.82						
		GREY BIOTITE F.P. Fresh grey m.g. bio F.P . 15-20% biotite magnetic.						
		Alt'n: Weakly hematitic-chl. 187.1-189.7, unit is weakly alt'd as ct with last unit gradational.						
		Struct: Massive 1% fine hairline fractures healed with calc.						
		Min'n: Trace f.g. Py.						
		Remarks: Few cm scale inclusions of mafiac volcs.						
)	199.94	END OF HOLE CASING PULLED, HOLE CEMENTED						

Property	TP. or Area	Azimuth	Date Started	Corrected Dip Tests	Location sketch
South Rundle	Newton	200 layout	Sept/14/87		
Project	Lot. & Conc.:	Dip	Date Completed		
3382		-57	Sept/26/87		
Claim No.	Co-ordinates:	Length	Drilled By:		
	2061.66N/3072.38E	221.27	Morissette Can Inc.		
Grid No.		Collar Elev.	Logged By:		
		3998.56	Alan Soever		

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To							

OBJECTIVES:-To test A south zone on section 6+408E.

DIRECTIONAL TESTS

Depth	Feet	M	MBrg	TrBrg	Est Brg	Dip	Type test
0	1.0	OVERBURDEN					
		Casing to 4.00					
		16'	4.88		201	-57	Acid
		81'	24.69	210.5	203	-55	Tropari
1.0	4.5	CHLORITIC MAFIC VOLCS					
		Pale grey to med. grey green f.g. sheared mafic volcanics. Locally magnetic.					
		150'	45.72		203	-55	Acid
		261'	79.55	210.5	203	-53	Tropari
		306'	93.26		203	-53	Acid
		441'	134.41	210.5	203	-53	Tropari
		450'	137.15		203	-53	Acid
		600'	182.87		203	-52.5	Acid
		726'	221.27		203	-53	Acid

Struct:
Well fol'd, slightly schistose at 45 degrees
T.C.A. 3% wispy calcite stringers predominately subparallel to fol'n.

Min'n:
Traces f.g. diss Py.

Remarks:
Ct with next unit sharp at 70 degrees T.C.A.

4.5	5.5	LAMP DYKE					
		F.g. green grey lamp dyke. Slightly calcitic. 0.5-1% f.g. diss Py. Non-magnetic.					

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Remarks: Lower ct at about 30 degrees T.C.A.						
5.5	10.20	AMPHIBOLITIZED GWK Dk grey f.g. to m.g. amph'd gwk. Mod. magnetic.						
		Struct: Massive 1% hairline fractures healed with calcite. Minor qtz+/- epidote. Locally patches of grey calcite along these fractures.						
		Min'n: 3-5% pyrite assoc with patches calcite.						
		Remarks: Gradational ct with next unit.						
10.20	21.9	SILTSTONE-ARGILLITE F.g. pale to med. grey siltstone. Bands of finely banded black pyritic argillite. 12.2-13.0, 13.15-13.25, 13.5-14.1 21.3-21.9. Locally narrow bands finely banded pale green exhalite along cts of argillite bands.						
		Struct: Siltstone massive, few mm scale fractures healed with calcite, argillite, finely banded, schistose at 40-45 degrees T.C.A.						
		Min'n: Up to 1% f.g. diss PY in siltstone. 2-4% diss Py in a argillite.						
		Remarks: Section is marked by blocky broken core. Locally quite calcitic. Lower ct at 45 degrees T.C.A.						
21.9	24.9	LAMPROPHYRE DYKE Grey green m.g. well fol'd lamp dyke.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Struct: well fol'd at 45 degrees T.C.A.						
		Min'n: 1-2% f.g. diss Py.						
		Remarks: Lower ct in broken core.						
24.9	30.8	GREYWACKE-ARGILLITE Dk-grey f.g. to m.g. greywacke. Weakly amphibolitized. Non-magnetic, calcitic.						
		Struct: Mod. Well fol'd at 40-45 degrees T.C.A. 2-3% mm to cm scale fractures healed in calcite.						
		Remarks: Bands v.f.g. pale grey green calcareous exhalite. 25.42-25.64, (Highly contorted) 26.52-26.70, 26.93-26.94, 26.19, 26.30-31, 26.44-26.46; Most at 45 degrees T.C.A. Unit ends at sections of argillite 30.2-30.8.						
30.8	58.85	AMPHIBOLITIZED GREYWACKE Dk grey green well fol'd amphibolite. Locally minor qtz. Mod-strongly magnetic. Slightly calcitic.						
		Struct: Mod well fol'd at 40-45 degrees T.C.A. 1-2% fine fractures healed with calcite-qtz. Breccia zones fragments of amphibolite in calcite matrix with fragments oriented parallel to fol'n: 33.58-33.77 and 34.00-34.80.						
		Min'n: Only traces f.g. diss Py.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Remarks: finely banded pale grey siliceous exhalite. 35.85-36.65. Matrix dominant F.P. dyke (lamp) from 36.65-37.60. Unit becomes finer grained less amphib'd towards base grading to greywacke to argillite.						
58.85	62.9	GREY F.P. M.g. grey F.P. mm scale phenocrysts in a much fine grained matrix.						
		Struct: Massive, very few fractures.						
		Alt'n: Slightly reddish, hematitic.						
		Min'n: 1% f.g. diss Py.						
		Remarks: Broken blocky core 62.10-62.90.						
62.9	65.2	ARGILLITE F.g. black argillite.						
		Struct: Cut by 2-3% hairline fractures healed with calcite-qtz. Brecciated locally with black frags of argillite in a paler grey calcite matrix.						
		Min'n: Small streaks and diss of f.g. to m.g. Py est 1-2% Py.						
		Remarks: Fairly sharp ct with next unit at about 45 degrees T.C.A.						
65.2	70.3	GREYWACKE Dk grey f.g. gwk-slightly amph'd.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Struct: Mod well fol'd at 45 degrees T.C.A. 3-4% of fractures healed with calcite-qtz.						
		Min'n: 1-2% Py occurring as f.g. to m.g. Py assoc. with calc-qtz in fractures.						
		Remarks: Sharp ct with next unit at 45 degrees T.C.A.						
70.3	73.1	ARGILLITE Thinly banded black to grey f.g. argillite.						
		Min'n: Graphitic. Streaks and blebs of pyrite parallel to schistosity.						
		Struct: Banding at 35 degrees T.C.A.						
		Remarks: Lamp dyke 72.4-73.05. Core broken blocky. Tends to break along graphitic planes in schistosity.						
73.2	76.7	SHEARED U.M. Sheared schistose u.m. rock. Verging on talc-chloritic. Minor carbonate schist.						
		Struct: Well dev'd schistosity at about 35 degrees T.C.A. ?Spinifex at 74.73.						
		Veins: Milky white cm scale calc-qtz veins 73.1-73.4	10340	73.2	74.6	1.4	tr	<0.2
			10341	74.6	75.8	1.2	tr	<0.2
			10342	75.8	76.7	0.9	1-2	<0.2
		Min'n: 1-2% f.g. diss Py in more sheared section 75.8-76.7						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
76.7	81.2	ARGILLITE-GWK Dk grey f.g. argillite to gwk. Struct: Well dev'd schistosity at 40 degrees T.C.A 1-2% fine fractures healed with calcite-qtz. Min'ns: 1-2% streaks f.g. to m.g. Py schistosity. Remarks: 81.0-81.2: Pyritic argillite. Broken blocky core.						
81.2	83.1	SHEARED SPINIFEX U.M. pale green grey sheared u.m. Struct: Well dev'd schistosity at 40 degrees T.C.A. Locally relict spinifex. Veins: Qtz-calcite veining 82.34-82.44. Remarks: Broken blocky core 82.57-82.90. Lower ct sharp at 65-70 degrees T.C.A.						
83.1	85.3	LAMPROPHYRE DYKE F.g. to mf.g. lamp dyke 2-3% diss Py.						
83.1	92.8	MASSIVE TO SPINIFEX U.M. Massive to spinifex u.m. Locally polyhedrally jointed. Alt'ns: Chloritic, slightly talcose.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Min's: Locally faint trace PY.						
		Struct: Slightly sheared at about 40 degrees T.C.A.						
		Remarks: Sections broken blocky core.						
92.8	102.2	GREY F.P. Fresh m.g. grey F.P. 5-10% white feldspar phenocrysts in a m.g. matrix. 5% short stubby f.g. hornblende. Locally minor biotite. weakly magnetic.						
		Remarks: core is fairly blocky.						
102.2	109.5	SPINIFEX U.M. Med. grey green. Spinifex u.m.. Good spinifex texture dev'd throughout.	10343 10344 10345	104.4 105.9 106.7	105.9 106.7 107.3	1.5 0.9 0.6	tr 3-5 tr	<0.2 <0.2 <0.2
		Struct: Good spinifex. Only a few calcite filled fractures. Major one at 105.02-105.95. Subparallel T.C.A.						
		Min's: 105.95-106.25, 106.47-106.72: Sheared pyritic Lamp dyke: 5% f.g. diss Py.						
109.5	110.7	LAMP DYKE Pale green m.g. lamp dyke.						
		Struct: Fairly massive to weakly fol'd. 3-4% white qtz-calc veins.						
		Min'n" 3-5% f.g. diss Py.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
110.7	113.6	SHEARED U.M. Dk grey green sheard u.m. Verging on talc-chlorite carbonate schist. Struct: Well dev'd schistosity at about 50 degrees T.C.A. Min'n: 1-1.5% f.g. diss Py. Remarks: Lamp dyke with 3-5% f.g. diss Py. 112.0-112.6. Silicified brecciated version of sheared U.M. 112.8-113.6. Could also be brecciated exhalite. (Green silicified brecciated carbonate rock) 3% f.g. diss Py.	10346	110.7	112.0	1.3	tr	<0.2
			10347	112.0	112.8	0.8	3-5	<0.2
			10348	112.8	113.6	0.8	3	<0.2
113.6	117.2	PYRITIC ARGILLITE black f.g. finely banded argillite. Struct: Well dev'd schistosity at 45 degrees T.C.A. Min'n: Streaks on cm scale patches of f.g. massive Py. Streaks and thin bands are paralell to schistosity. Est 10% Py and unit also graphitic. Remarks: f.g. Lamp dyke 115.22-115.50. 3-5% f.g. diss Py.						
117.2	127.00	SHATTERED HIGHLY ALT'D F.P. Grey to beige, m.g. highly alt'd F.P. No phenocrysts remain due to intense fracturing and alt'n. Struct: 117.2-123.0. Highly brecciated grey. Very weak						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		fol'n at about 45 degrees T.C.A.	10259	117.2	118.4	1.2	1-2	<0.2
		123.0-127.0: Still highly fract'd but less obvious than 117.2-123.0. Weak fol'n at about 55 degrees T.C.A. 1-2% fine hairline fractures healed with calcite throughout.	10260	118.4	119.8	1.4	1-2	<0.2
			10261	119.8	120.2	0.4	3-4	0.24
			10262	120.2	121.5	1.3	1-2	0.27
			10263	121.5	123.0	1.5	1-2	0.30
			10264	123.0	124.5	1.5	1-2	1.40
		Min'n:	10265	124.5	126.0	1.5	1-2	2.26
		117.2-123.0, 1-2% f.g. diss Py in shattered F.P.. 3-4% v.f.g. to f.g. diss Py in breccia zone 119.8-120.2. With pale beige alt'n.	10266	126.0	127.05	1.05	5-6	4.73
		120.2-121.5, 1-2% f.g. diss Py in alt'd F.P.						
		121.5-126.0, 1-2% f.g. diss Py in alt'd F.P. with minor pale grey brown alt'n.						
		126.0-127.05- Intense pale grey brown ore alt'n in alt'd qtz flooded F.P. 5-6 Py.						
			10267	127.05	128.3	1.25	25	4.80
127.0	129.7	PYRITIC ARGILLITE	10268	128.3	129.7	1.40	20	4.52
		Similar to 113.6-117.2, but 20-25% pyrite as large cm scalepatches. Unit becomes siliceous below 127.8. either silicified argillite or exhalite component. Extensive qtz veining (flooding) 129.1-129.7	AVG	126.0	129.7	3.7		4.67gm
			AVG	123.0	132.0	9.0		2.84gm
		Remarks:						
		Sharp ct with next unit at about 55-60 degrees T.C.A.						
129.7	131.2	SHEARED SILICIFIED U.M.	10269	129.7	131.2	1.5	1-2	0.75
		Sheared silicified u.m.. Well fol'd green carbonate rock.						
		Struct:						
		Well fol'd, schistose at 55 degrees T.C.A.						
		Veins:						
		white qtz veins at 60-70 degrees T.C.A. 130.15-130.17 131.12-131.25.						
		Min'n:						
		1-2% f.g. diss Py.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
131.2	133.9	SHEARED ALT'D F.P. Much like 117.1-127.0 Sheared at 55-60 degrees T.C.A. Locally sericitic. 1% f.g. diss Py. Bands of Py assoc with alt'n 133.67-133.85	10270 10271 10272	131.2 132.0 133.0	132.0 133.0 133.9	0.8 1.9 0.9	1 1 1	2.09 0.75 0.68
133.9	135.4	TALC CHLORITE CARBONATE SCHIST Pale green talc-chlorite carbonate schist. Struct: Schistose at 35-40 degrees T.C.A. 5% hairline fracture healed with calcite. Alt'n: Silicified 133.9-134.1. Min'n: 1-2% Py in silicified section 133.9-134.1. Tr to 1% f.g. diss Py in rest. Remarks: Unit gradually becomes less sheared grading into next unit.	10273 10349	133.9 135.2	135.2 136.4	1.3 1.2	1 1	<.2 <0.2
136.4	142.2	SHEARED SPINIFEX U.M. Dk grey to greenish grey u.m. Non-magnetic. Struct: Sheared slightly schistose, locally spinifex. Alt'n: Sheared sections slightly talcose. 2-3% fine hairline fractures healed with calc-qtz.						
142.2	143.5	ARGILLITE Black f.g. graphitic argillite.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		Min'ns Few mm scale bands of Py, parallel to schistosity at 35-40 degrees T.C.A.						
		Remarks: Core is broken blocky.						
143.5	153.10	ALT'D MAFIC VOLC'S Pale green f.g to m.g. mafic volc's, non-magnetic.						
		struct: Massive, cut by 5-10% fine hairline fractures healed with calcite.						
		Alt'ns: Quite calcitic-carbonitized.						
		Veins: Calcite qtz veins 148.68-148.78 at 20-30 degrees T.C.A. 150.30-151.10, subparallel T.C.A. Irregular patches white qtz minor calcite 151.29-152.20 152.53-152.73, 152.95-153.08.						
		Remarks: f.g. green lamp dyke 146.25-147.64.						
153.10	157.43	COARSE GRAINED MASSIVE TO SPINIFEX U.M. C.g. dk green-grey u.m.-locally spinifex. Non-magnetic.						
		Remarks: Unit is bounded on both sides by narrow bands of pyritic argillite. Argillite bands from 153.10-153.35 and from 158.25-157.43.						
157.43	160.9	ALT'D MAFIC VOLC'S As from 143.5-153.10						
160.9	168.7	MASSIVE ULTRAMAFIC dk grey m.g. ultramafic.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Struct: Massive, locally weak polyhedral jointing or spinifex textures. 1-2% f.g. fractures healed with calcite.						
		Min's Locally tr PPy						
		Remarks: M.g. mafic lamp dyke 164.60-166.42 Unit becomes sheared schistose, grading into a talc-chl-carb schist 168.12-168.72.	10274	168.10	168.7	0.6	tr	<0.2
168.7	177.3	HYBRID ZONE Hybrid unit consisting predominantly of highly alt'd mafic volcanics with sections of red alt'd F.P. Also a few short sections of talc chlorite carbonate schist.	10275	168.7	169.1	0.4	1%	<0.2
		Struct: Highly fract'd with 5-10% fractures healed with calcite-qtz above 171.70 dolomite qtz below.	10276	169.1	169.7	0.6	15-20%	0.27
			10277	169.7	170.6	0.9	1%	0.51
			10278	170.6	171.8	1.2	10%	0.55
			10279	171.8	173.3	1.5	tr-1	<0.2
			10280	173.3	174.8	1.5	tr-1	<0.2
			10281	174.8	176.3	1.5	tr-1	<0.2
			10282	176.3	177.3	1.0	tr-1	0.274
		Alt'n: Red porphyry sections highly alt'd. No feldspar phenocrysts 171.70-177.20. Pervasive pale beige alt'n in both F.P. and mafic volcs. Believed to be qtz-carbonate. Fractures within this section are healed with dolomite-qtz.						
		Min's 1% f.g. diss Py in F.P. and T.C.C.S. 168.7-169.1 15-20% Py as stringers submassive f.g. Py in red alt'd F.P. 169.1-169.7. 1% f.g. diss Py in F.P. and alt'd volcs 169.7-170.6. 170.6-171.8; 10% Py as submassive stringers in red F.P. alt'd volcs, and T.C.C.S. 171.8-177.3, tr to 1% Py in alt'd mafic volcs with a few short sections red F.P.	AVG	169.1	171.8	2.7		0.47

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		Remarks: below 171.8 Predominantly alt'd mafic volcanics.						
177.3	181.8	MASSIVE MAFIC VOLCANICS	10283	177.3	178.8	1.5	1	<0.2
		Grey f.g. massive mafic volcanics, possibly ultramafic magnetic.	10284	178.8	180.3	1.5	1	,0.2
			10285	180.3	181.8	1.5	1	<0.2
		Struct: Massive, 1-2% fine chloritic fractures.						
		Alt'n: Very calcitic.						
		Veins: White dolomite-qtz vein with red hematitic fragments of volcanic 178.80-178.94						
		Min'n: 1-2% f.g. diss Py, assoc with chlorite fractures. Pyrite assoc with pale grey ore alt'n adjacent to fractures 178.65-181.71.						
181.8	183.7	PINK ALT'D F.P.	10286	181.8	182.8	1.0	TR-1	<0.2
		Pink to pale red m.g. alt'd F.P. Non-magnetic.	10287	182.8	183.7	0.9	tr-1	<0.2
		Struct: Weak fabric at about 45-50 degrees T.C.A. 3-4% hairline fractures healed with dolomite.						
		Alt'n: Intensely alt'd. No relict feldspars or biotite.						
		Min'n: tr-1% f.g. to v.f.g. diss Py in F.P. Mafic inclusion with 3% diss Py 182.00-182.15.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
183.7	187.8	ALT'D MAFIC VOLCS. Med. grey to med. grey-green f.g. mafic. volc Magnetic.	10288	183.7	185.2	1.5	2-3	<0.2
			10289	185.2	186.7	1.5	2-3	<0.2
			10290	186.7	187.8	1.1	2-3	<0.2
		Struct: Massive 3-4% fine fractures healed with dol -qtz.						
		Alt'n: Pale greenish grey.						
		Min'n: 2-3% f.g. to v.f.g. diss Py.						
		Remarks: Section pink alt'd F.P. (as above) 184.98-185.18 Lower ct of unit sharp at 35 degrees T.C.A.						
187.8	201.4	RED ALT'D F.P. F.g. to m.g. pink to red to beige red TF.P. Highly alt'd. Locally magnetic.						
		Struct: Weak fabric at 45 degrees T.C.A. Fract'd with 3-4% fine fractures healed with dolomite. Also evidence of earlier fracturing	10291	187.8	188.8	1.0	0.5	<0.2
			10292	188.8	190.3	1.5	0.5	<0.2
		Alt'n: No feldspar phenocrysts remain.	10293	190.3	191.8	1.5	0.5	<0.2
		Beige sections sue to intense carbonate qtz alt'n.	10294	191.8	193.3	1.5	0.5	<0.2
		190.34-190.74, 194.30-194.44.	10295	193.3	194.8	1.5	0.5	<0.2
			10296	194.8	195.8	1.0	0.5	0.41
			10297	195.8	197.2	1.4	0.5	0.72
			10298	197.2	197.5	0.3	0.5	0.79
		Min'n: 0.5% f.g. diss Py in F.P. Min'n assoc with grey ore alt'n in mafic inclusions at 195.55, 196.6-196.8, est 2-3% Py	10299	197.5	199.0	1.5	0.5	1.03
		Well mineralized inclusion with grey alt'n	10300	199.0	200.5	1.5	0.5	0.24
			10301	200.5	201.4	0.9	0.5	<0.2
			AVG	194.8	200.5	5.7		0.63

METRES		DESCRIPTION	Sample#	From	To	Length	Est. % Py	ASSAYS g/t Au
From	To							
		and 3-4% f.g. diss Py 197.17, 197.45.						
		Remarks: Mafic ^o inclusions form 194.78-195.15, 195.86-196.89, 197.17-197.45. Below 197.45, Porphyry is fresher looking less alt'd, with secondary feldspars.						
201.4	204.3	ALT'D GREY F.P. M.g. pale grey alt'd feldspar porphyry. weakly magnetic.						
		Struct: Weak fol'n at 45 degrees T.C.A.						
		Alt'n: Develop most of large secondary feldspars.						
		Remarks: Narrow dyke f.g. fresh grey F.P. 202.25-202.30 202.35-202.39. Inclusion mafic volc 202.9-203.1. Sharp ct with next unit at 345 degrees T.C.A.						
204.3	206.9	GREY F.P. F.g. to m.g. fresh bio F.P. 5-10% f.g. bio.						
		Alt'n: Weakly chl.						
		Remarks: Gradational ct with next unit.						
206.9	211.0	ALT'D GREY F.P. alt'd m.g. grey F.P. Slightly pink. feldspars. opment of secondary						
		Alt'n: Siliceous thin fresh porphyry.						

METRES		DESCRIPTION	Sample#	From	To	Length	Est. %	ASSAYS
From	To						Py	g/t Au
		hematitic 206.9-208.4.						
		Struct: Massive 1% dol qtz veins about 40 degrees T.C.A.						
		Veins: Qvs with 1% f.g. diss Py 210.47-210.53.						
211.0	221.27	FRESH GREY BIOTITE F.P. Fresh m.g. grey biotite feldspar porphyry. 10-15% abiotite.						
		Alt'ns Hematitic section 212.5-214.0						
		Veins: qvs 217.70-217.73, 217.79-217.84.						
		Remarks: Lamp dyke 214.8-215.30						
	221.27	END OF HOLE CASING PULLED HOLE CEMENTED						



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August 8, 1988

Mr. Edward R. Solonyka
Administrator
Ontario Mineral Exploration Program
Mineral Development and Lands Branch
Ministry of Northern Development
and Mines
3rd Floor, 880 Bay Street
Toronto, Ontario
M5S 1Z8

Dear Mr. Solonyka:

RE: NOVAMIN RESOURCES INC.
RUNDLE PROJECT
OMEP PROGRAM NO. OM87-8-L-092

I refer to your letter of August 2 and, as requested,
enclose a second copy of the report and supporting documentation.

Yours truly,

Graeme M. Gordon
Controller

GMG/cr
Encl.