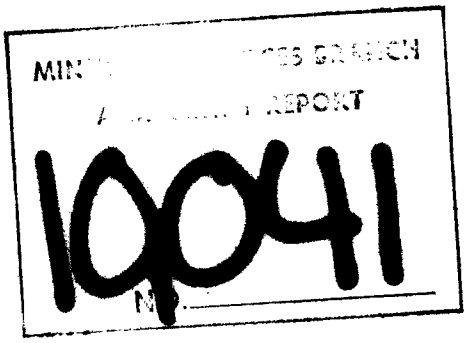

part 5 of 6

ASSESSMENT REPORT, DIAMOND DRILL PROGRAMME

THANKSGIVING PROPERTY

Revelstoke, M.D. 82 M 1/E

51° 14' N , 118° 12' E

Owner: Andaurex Resources

Operator: Northair Mines Ltd.

Jan, 1982

R. Wares

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I GENERAL INFORMATION

1.1 Location, Access

The Thanksgiving Property is located 24 Kms north of Revelstoke, B.C. Access to the property is by Hwy 23, from Revelstoke to Mica Dam. Access to the property is relatively good, both utilizing logging roads and the old Mastodon mine road. (Fig. 1)

1.2 Topography

The Thanksgiving claim group flanks the Columbia River. On the west side of the Columbia, the claims cover part of the west bank to an elevation of 1500m. On the east side of the Columbia, the claims cover a moderate slope to an elevation of 1500m. The claims cover the La Forme Creek area; the north side La Forme Creek is relatively steep, with the claims rising to 1800m.

The claim group covers in past, the area cleared for the Revelstoke dam. The dam will flood the valley to the 575m level. Vegetation on the property comprises, on the lower slopes below 750m, second growth timber with some active logging underway on first growth timber in selected areas, south of La Forme Creek.

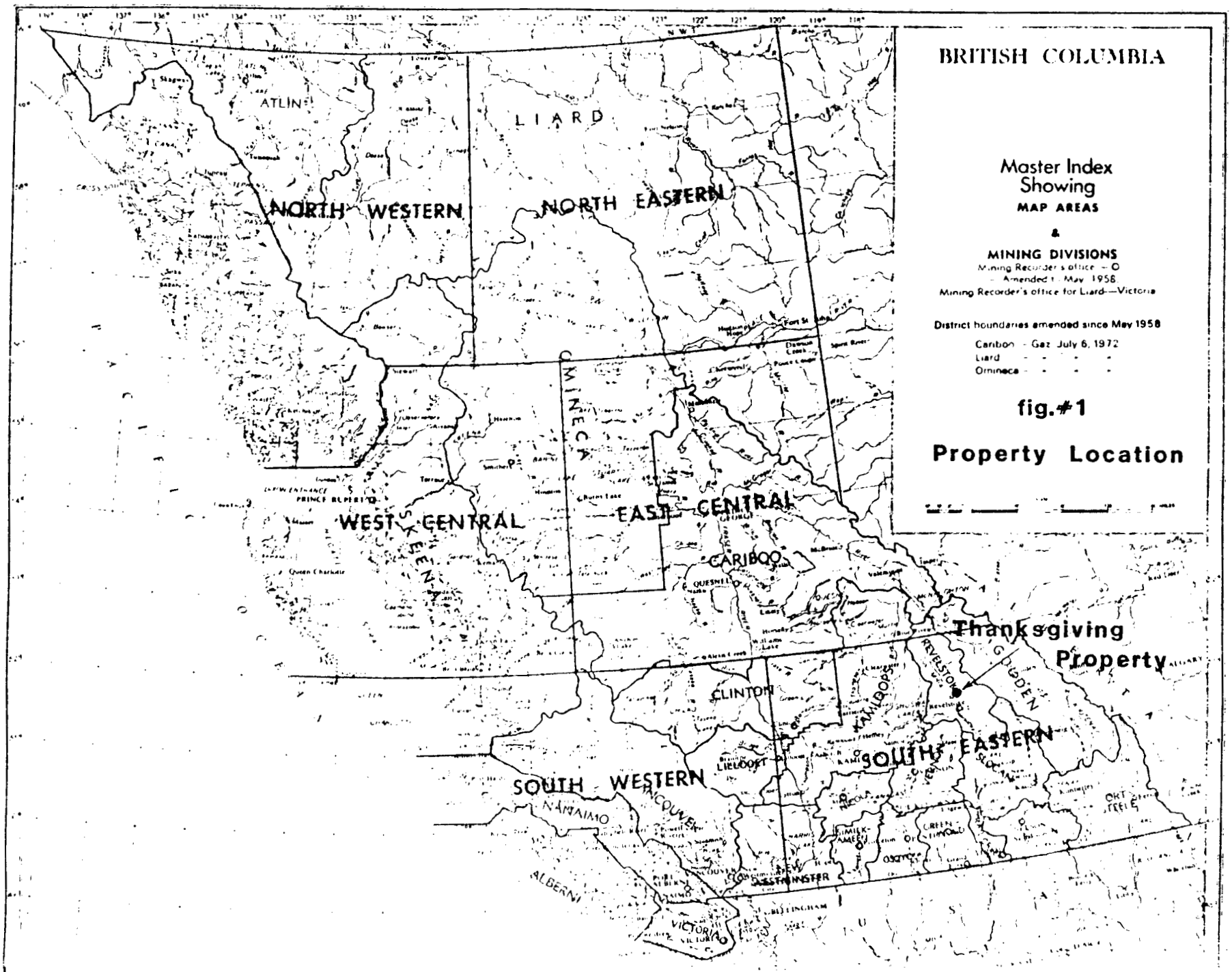
1.3 Claim Status

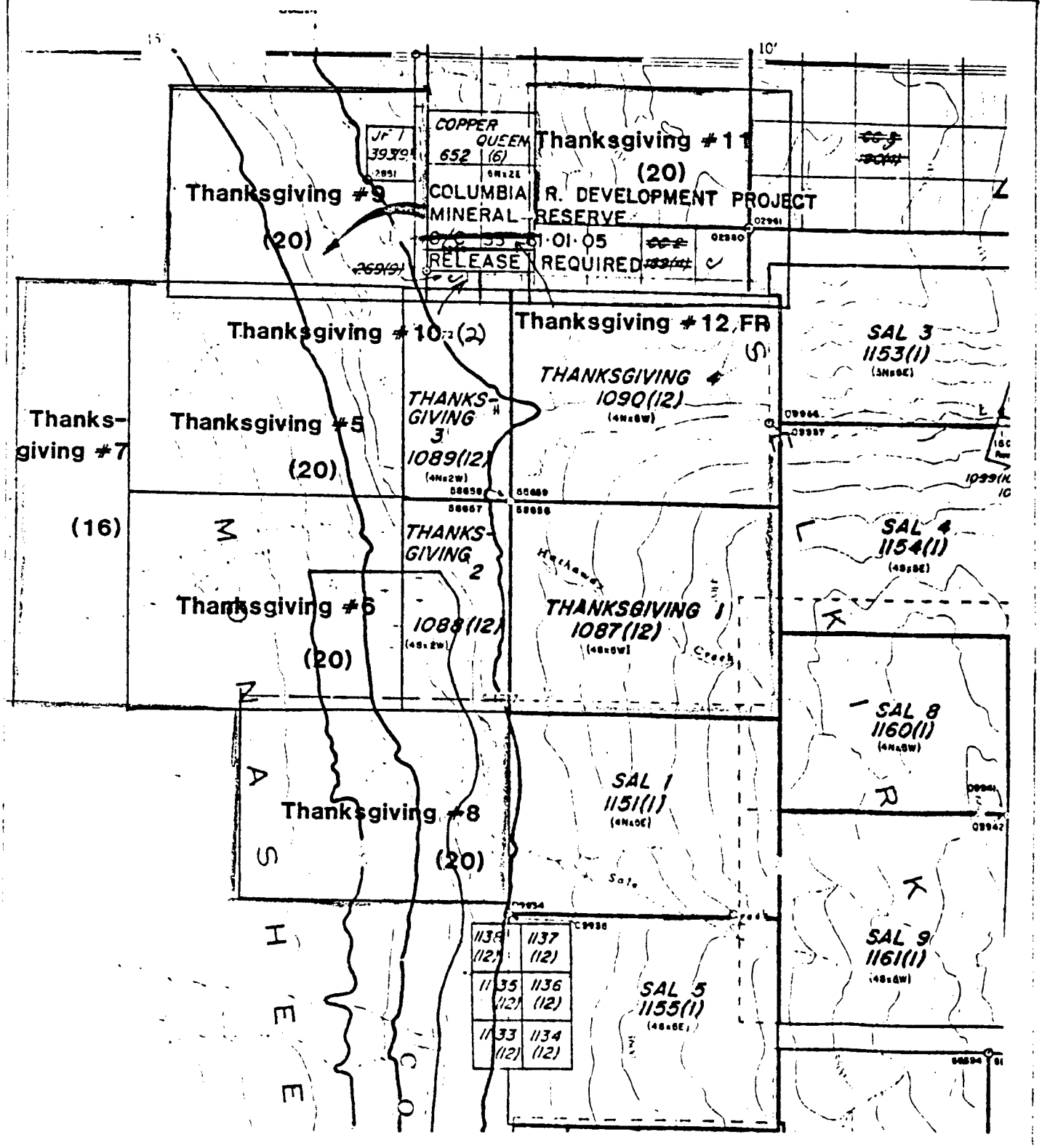
The group of claims in the Thanksgiving Property (Table 1) were staked at several periods from Dec 1980 to May 1981. (Fig.2)

1.4 History of the Property

Initial discovery of scheelite bearing float in the vicinity of Discovery Creek in October 1980, was followed by the discovery of Scheelite "in situ" shortly thereafter.

The claims were staked by 6 Revelstoke based prospectors, under the name of Cajac Exploration, who subsequently sold the property to Andaurex Resources. In May 1981, the property was optioned to Northair Mines, who, as the operating company, carried out the exploration programme in 1981.


BRITISH COLUMBIA
Master Index
Showing
MAP AREAS
&
MINING DIVISIONS
Mining Recorder's office — O
— Amended 1 May 1958
Mining Recorder's office for Liard—Victoria
District boundaries amended since May 1958
Cariboo - Gaz July 6, 1972
Liard - - - -
Omineca - - - -
fig.#1
Property Location
ATLIN
LIARD
NORTH WESTERN
NORTH EASTERN
OMINECA
PRINCE RUPERT
WEST CENTRAL
SKEENA
EAST CENTRAL
CARIBOO
QUESNEL
Thanksgiving
Property
CLINTON
KAMLOOPS
REVELSTOKE
GOLDEN
SOUTH EASTERN
LILLOOET
SOUTH WESTERN
NANAIMO
VANCOUVER
NEW WESTMINSTER
ALBERNI
VICTORIA



NORTHAIR MINES LTD.

CLAIM MAP

Project: Thanksgiving	Drawn: R. Wares
Date: 3/12/81	Approved:
Scale: 1:50,000	Revised:
N.T.S. 82 M/1	Figure #2

TABLE I

SCHEDULE OF CLAIMS

NAME	NO. OF UNITS	RECORD NO.	RECORD DATA
Thanksgiving #1	20	1087	2/12/80
#2	8	1088	2/12/80
#3	8	1089	2/12/80
#4	20	1090	2/12/80
#5	20	1201	29/04/81
#6	20	1202	29/04/81
#7	16	1203	29/04/81
#8	20	1263	8/06/81
#9	20	1264	8/06/81
#10	2	1265	8/06/81
#11	20	1266	8/06/81
#12 Fr	1	1267	8/06/81

1.5 Work Performed

A total of 1819.58m of diamond drilling was carried out on the Thanksgiving Property. Drilling was carried out using NQ core, to permit adequate sample sizes for lower grade tungsten occurrences. An additional advantage was the facility for "stepping down" to NQ core in the event of recovery problems.

The drill core was logged and sections of interest split and sampled. Drill core from the property was stored in a warehouse in Revelstoke, not on the property.

2. OBJECTIVES, GENERAL GEOLOGY

2.1 General Geology

The initial stages of geological exploration on the Thanksgiving Property had established that the unit of primary economic importance was restricted to the western portion of the claim group, in the area to the S, SE and SW of the initial discovery showing.

The geological exploration had established the following significant points:

a) The gross structure of the property in the area of interest is on asymmetric antiform, with a shallow or near horizontal plunge.

b) The upper and intermediate units were in tectonic contact, the contact being a shallow dipping thrust plate.

c) The southern limb of the antiform was the locus of structural disturbance, initially believed to be a steep hinge zone.

d) At the area of examination, the trace of the fold structure described an elliptical area to the SE of the creek showing, an area of relatively poor outcrop.

e) Surface examination of the scheelite occurrences suggested a variable nature of the scheelite in the skarn assemblage.

2.2. Objectives

The objectives of the drill programme were two fold

a) To establish the geometry of the scheelite mineralization in the creek showing, sample variations and define, in detail, the control of mineralization.

b) To sample and determine extensions of the creek showing along the north and south limbs of the (inferred) fold structure. To establish, as far as possible, the economic potential of the property.

The programme was phased. The first phase was accomplished by late July and encompassed detailed work near the creek showing and to the immediate south. Subsequent analysis of the data suggested that the programme should sample the extensions of the creek showing, essentially the second objective of the drill programme. This portion was completed in late October, 1981.

Location of drill collars are showing in (Fig.3).

3. Drill Results, Creek Area

The first three holes on the programme (T-81-1,2,3) were drilled near the creek showing to establish the control of the mineralization, and to determine if the control was primarily a bedding one, or whether there were vertical shoots present. Field evidence did not suggest the latter.

The locations of the drill holes and sections are shown in (Fig. 4).

Drill hole #1, was drilled at -45°, to obtain a section below, and down dip from the discovery showing. The hole, drilled to a depth of 74.89m, encountered a zone to 18.59m of variable silicified limestone, calc silicate and a garnet-diopside skarn, strongly developed from 17.22 to 18.59m. From 13.41 to 17.22m, a strongly mineralized section was encountered with a drill width (15.04m to 17.07m) averaging 4.74 WO_3, average 14.03 to 17.07m, 3.47 WO_3, and an average from 14.03 to 17.57 (3.54m) of 3.01% WO_3. The mineralized zone, of a banded character was accompanied by heavy (5-7%) pyrrhotite. The core demonstrated the strong garnet-diopside skarn at the base of the calcareous sequence. Below the skarn horizon, to a depth of 37.5m, the hole encountered quartz-biotite/muscovite/chlorite with some graphite and pyrite. Rock geochemical sampling all demonstrated background values of W,Au,Pb and Zn. Below 37.5m, the hole encountered variable quartz muscovite schists with variable graphite present. A strong kaolinite gouge was present at 62.2m. The hole showed strong sericitisation in the lower portion.

Holes #2 & 3, were drilled to test the down dip extension of the scheelite bearing zone. The holes cut the marker garnet-skarn unit with, in #2, a section of 4.27 WO_3 over 1.52m (drill width) (14.63m to 16.15m) and in #3 (12.19m to 14.78m,2.59m) a section grading 0.89 WO_3. Hole #2 encountered a strongly graphitic, altered zone, interpreted as a down dip extension of a shallow dipping movement zone.

Drill holes #9 & 10, were drilled to extend, at depth, the information from the previous holes. The holes (Fig. 5) encountered a much weaker skarn unit. The garnet diopside skarn

49900 E.

N

TP-81-10

TP-81-9

TP-81-8

TP-81-7

T-81-11

TP-81-16

TP-81-1

T-81-3

T-81-2

T-81-1

SURVEY STATION No. 6186

T-81-10

SURVEY STATION No. 6187

TP-81-11

T-81-13

TP-81-12

TP-81-14

TP-81-15

T-81-12

T-81-4

TP-81-2

SURVEY SPIKE

TRENCH AREA

SURVEY STATION No. 7552

50200 N.

50228.57 N.

50250 N.

49950 E.

part 5 of 6

NORTHAIR MINES LTD.

LOCATION, DIAMOND AND PERCUSSION HOLES
CREEK AREA

Project.: Thanksgiving	Drawn: R. Woods
Date: 29/8/81	Approved: RW
Scale: 1 : 250	Revised:
N.T.S.: 82 M / E	Figure: 4

is absent in #10, poorly developed in #9, and the unit has pinched out to a calc silicate/ silicified limestone. Assay values are low in #9,10. It appears that the movement zone seen in #1,2, was cut in #9.

An attempt was made to determine the lateral variations in the scheelite mineralization (Fig. 6 ,Section 2). The information appears to indicate some steeper structures, marked by graphitic gouge which displace the skarn assemblage. In the plane of the section, the skarn unit traces to the north east. The drilling information reveals the rapid a attennation of the scheelite lens to the SW and NE, away from Hole #2. Assay results in Holes #4,12 and 11 are of a low order. The drill information in the creek area did not indicate any other skarn/ carbonate units at depth. The two horizons encountered in T-12, appear to be a structural repetition.

Hole #13, encountered a small 1m section assaying 0.17 WO_3, but with no occurrence of the marker garnet-diopside skarn.

4. Other Holes

A drill hole (T-81-5) was drilled to the south of the creek showing, near a W soil anomaly and where a strong VLF conductor had been indicated.

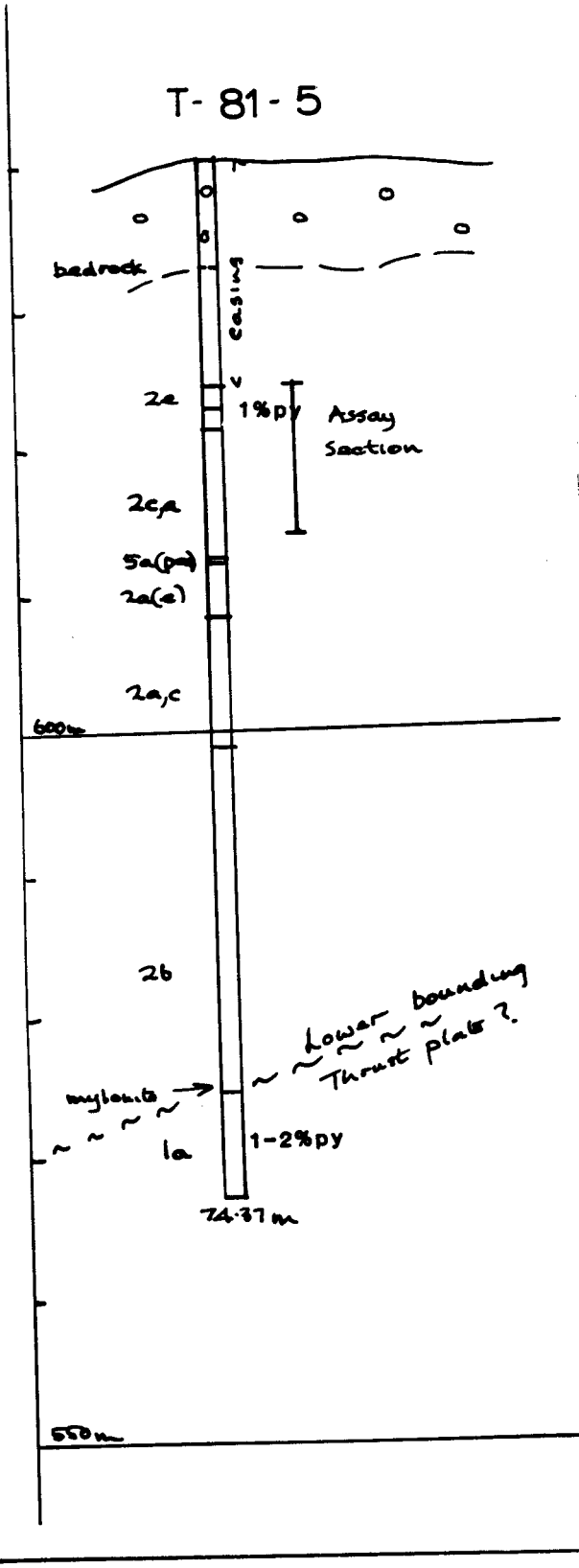
The hole encountered some problems in establishing casing and was collared in broken and graphitic material. The hole (Fig. 7) encountered a 3m zone of graphitic schist below the collar with some fine grained pyrite. Rock geochemical values ofsplit core was background in its characteristics. To a depth to 62m, the hole encountered chlorite and quartz-biotite schists, with a zone of strong pervasive silicification from 42 to 66.14m. The zone from 62 to 66.14m was platy and mylonitic in habit and passed down to a laminated quartzite. The movement zone appears to represent the transition between the lower unit (#1) and the intermediate unit.

The hole appeared to have been collared too low in the stratigraphy to encounter the skarn/carbonate unit.

5. South Limb (#T-81-6,7,8)

A number of holes were collared on the S limb of the anti-form to test their potential. (Fig.8)

N ——————— S



Geochemical Assays

#	From	To	width	ppm Au
3036	16.15	17.68	1.53	< 2
3037	17.68	19.20	1.52	< 2
3038	19.20	20.73	1.53	< 2
3039	20.73	22.65	1.53	< 2
3040	22.65	23.77	1.52	< 2
3041	23.77	25.30	1.53	< 2
3042	25.30	26.82	1.52	< 2

LEGEND, DRILL SECTIONS

- 5a siliceous replacement (peg) pegmatite
- 5b kaolinitic gouge
- 5c sericite schist
- 4b quartz monzonite
- 4d porphyritic quartz monzonite dyke

Upper Assemblage

- 3a quartz – augen gneiss / schist
- 3b biotite – quartz – gneiss

Intermediate Assemblage

- 2a qtz. – chlorite schist : (1) : chlorite schist
- 2b qtz. – biotite / schist
- 2c qtz. – muscovite / muscovite schist
- 2d calcareous unit
- 2d(1) silicified limestone
- 2d(2) calc. silicate
- 2d(3) garnet – diopside skarn
- 2e graphite schist : (q) : gouge

Lower Assemblage

- 1a quartzite
- 1b quartz – biotite schist

fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

po pyrrhotite
py pyrite
sch scheelite

NORTHAIR MINES LTD.

DIAMOND DRILL SECTION T-81-5

Project: Thanksgiving	Drawn: R. Wares
Date: Dec 198[illegible]	Approved:
Scale:	Revised:
N.T.S.	Figure: 7

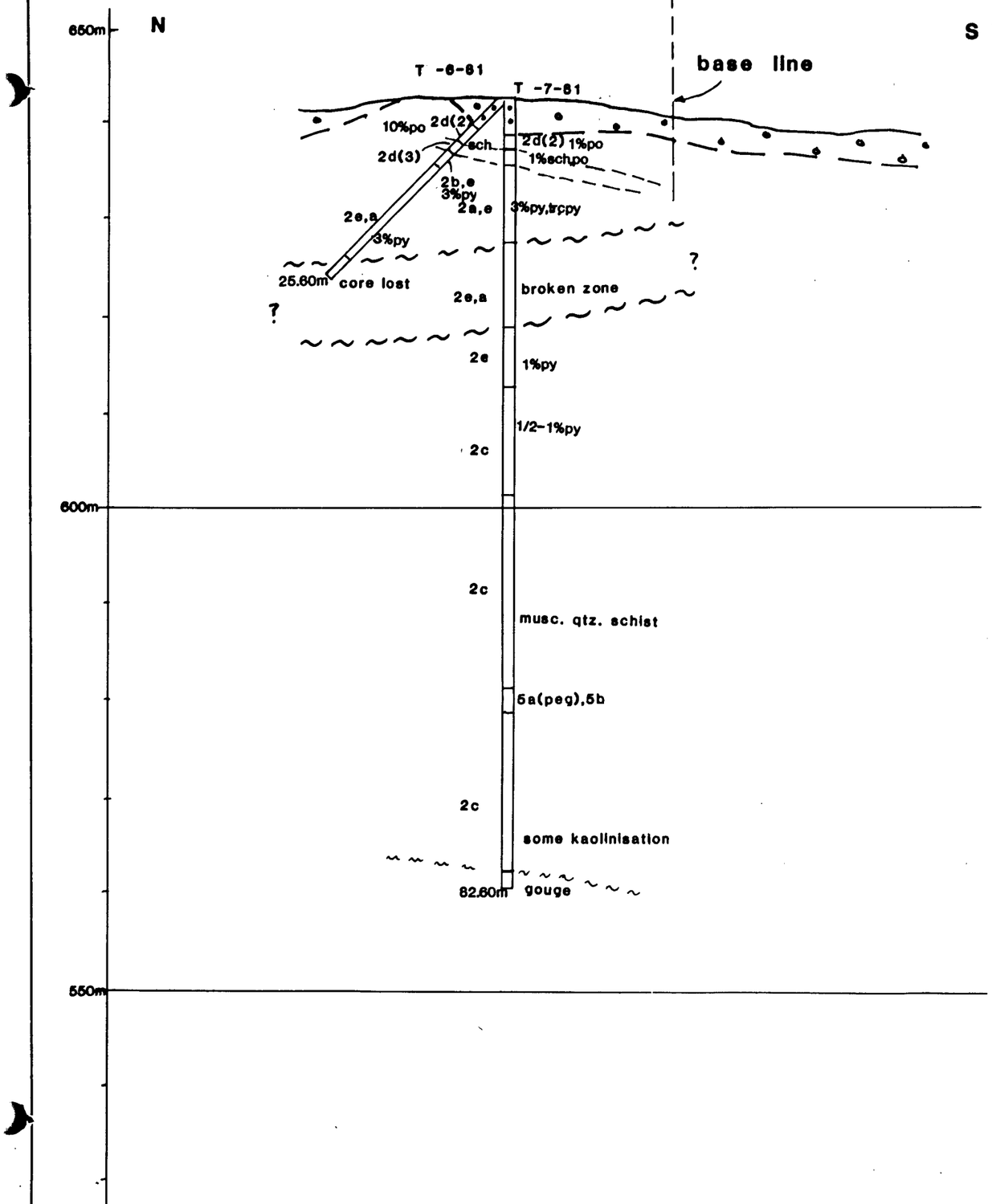
The above holes were collared in an area where a shallow trench had indicated pyrrhotite lenses with fine grained scheelite. Hole #6 and 7, were collared at the same location to define dip of the skarn unit. The first hole encountered, from 3.66 to 6.01m, a greyish banded calc-silicate skarn, with, from 6.01 to 7.32m, a variably banded garnet-diopside skarn, with 1.5m of 5 to 10% po. Scheelite is present in 2 cm bands with fine pin head scheelite. Occasional scattered coarser scheelite is present. There is a section (drill width 1.52m) from 6.15 to 7.67m assaying 0.17 WO_3. Below the skarn horizon, a section to 23.17m encountered variably altered quartz-biotite schists, with variable graphite and pyrite. The hole was lost in a graphitic zone.

Hole #7, (-90^{o}) encountered the same skarn unit from 3.66 to 5.49m, with 1% fine grained po. From 5.49 to 7.32m, a zone of banded po and calc-silicate was encountered. The matrix was siliceous with some coarse grained scheelite present. A section from 5.49m to 6.50m (1.01m) assayed 0.16% WO_3. The hole, to a depth of 82.6m encountered a wide zone of quartz muscovite schist, with a strong graphitic zone from 15.5 to 23.5m. The attitude of the broken zone is problematical; it is essentially flat lying, Projection to #6, suggests it may curve upwards to the S. Rock geochemical values are all background. The quartz-muscovite schists below 23.5m, are variably sericitised and, on occasion kaolinised. The hole was stopped in a broken gouge section with kaolinisation. It did not penetrate to the lower unit. The stratigraphy correlates reasonably well with units in hole #5.

Hole #8, drilled to a depth of 41.45m, encountered from 3.66 to 9.75m, a banded garnet-diopside skarn with no scheelite noted. Some evidence of minor folding was evident. Some fine grained po (1%) was present. A 2.5m section, from 20.4 to 22.9m, was strongly graphitic. Below this horizon, quartz-muscovite and quartz-biotite schists were encountered, variably sericitised, with occasional graphitic slips. No other carbonate units were encountered. (Fig. 9)

6. East Limb (Holes # T-81-14,15,16,17,18,19)

The above group of drill holes was drilled to sample and delineate skarn horizon on the east limb of the antiform. There



ASSAYS

T -6-81

#	From	To	Width	%WO3	Au	Ag
3301	6.15	6.65	0.50	0.51	0.003	0.05
3302	6.65	7.16	0.51	0.09	0.003	0.04
3303	7.16	7.67	0.51	0.11	0.03	0.04
3304	7.67	8.18	0.51	0.01	0.003	0.03
3305	8.18	8.69	0.51	0.01	0.003	0.02
3306	8.69	8.99	0.20	0.01	0.003	0.02

T-7-81

3307	4.47	4.98	0.51	0.06
3308	4.98	5.49	0.51	0.02
3309	5.49	5.99	0.50	0.18
3310	5.99	6.50	0.51	0.11
3311	6.50	7.11	0.61	0.06
3312	7.11	7.62	0.51	0.03
3313	7.62	8.23	0.61	0.02
3314	8.23	8.66	0.43	0.01
3315	8.66	9.20	0.54	0.01
3316	9.20	9.75	0.55	0.01
3317	9.75	10.36	0.61	0.01
3318	10.36	10.97	0.61	0.02
3319	10.97	11.58	0.61	0.01
3320	11.58	12.19	0.61	0.03

LEGEND, DRILL SECTIONS

- 5a siliceous replacement (peg) pegmatite
- 5b kaolinitic gouge
- 5c sericite schist
- 4b quartz monzonite
- 4d porphyritic quartz monzonite dyke

Upper Assemblage

- 3a quartz - augen gneiss / schist
- 3b biotite - quartz - gneiss

Intermediate Assemblage

- 2a qtz. - chlorite schist : (t) : chlorite schist
- 2b qtz. - biotite / schist
- 2c qtz. - muscovite / muscovite schist
- 2d calcareous unit
- 2d(1) silicified limestone
- 2d(2) calc. silicate
- 2d(3) garnet - diopside skarn
- 2e graphite schist : (g) : gouge

Lower Assemblage

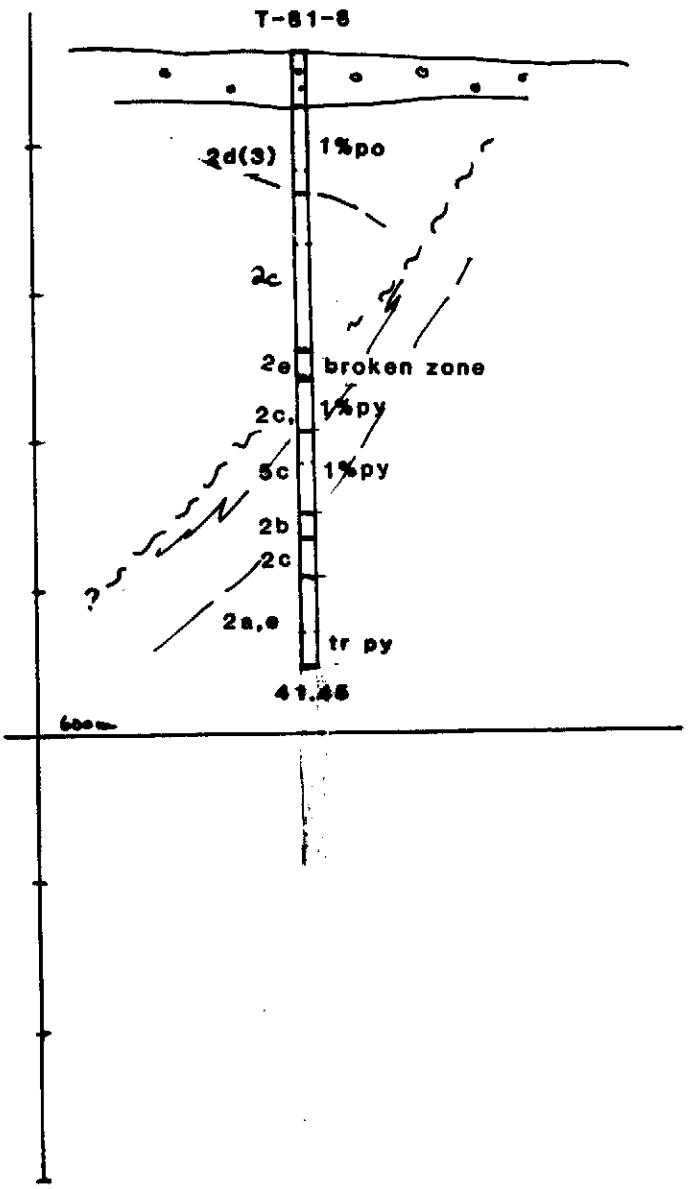
- 1a quartzite
- 1b quartz - biotite schist

fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

po pyrrhotite
py pyrite
sch scheelite

10m
0
10m

NORTHAIR MINES LTD.	
DIAMOND DRILL SECTION TP-81-6, 7	
Project.: Thanksgiving	Drawn: R. Warner
Date: Dec 1981	Approved: RW
Scale: 1:500	Revised:
N.T.S.:	Figure: 8



Assays

#	FROM	TO	WIDTH	% WO_3
3321	3.96	5.18	1.22	0.02
3322	5.18	6.40	1.22	0.01
3323	6.40	7.62	1.22	0.01
3324	7.62	8.23	0.61	0.01
3325	8.23	9.09	0.86	0.01

LEGEND, DRILL SECTIONS

- 5a siliceous replacement (peg) pegmatite
- 5b kaolinitic gouge
- 5c sericite schist
- 4b quartz monzonite
- 4d porphyritic quartz monzonite dyke

Upper Assemblage

- 3a quartz - augen gneiss / schist
- 3b biotite - quartz - gneiss

Intermediate Assemblage

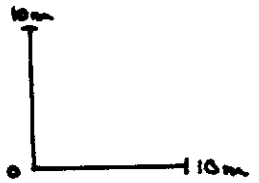
- 2a qtz. - chlorite schist : (t) : chlorite schist
- 2b qtz. - biotite / schist
- 2c qtz. - muscovite / muscovite schist
- 2d calcareous unit
- 2d(1) silicified limestone
- 2d(2) calc. silicate
- 2d(3) garnet - diopside skarn
- 2e graphite schist : (q) : gouge

Lower Assemblage

- 1a quartzite
- 1b quartz - biotite schist

fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

po pyrrhotite
py pyrite
sch scheelite

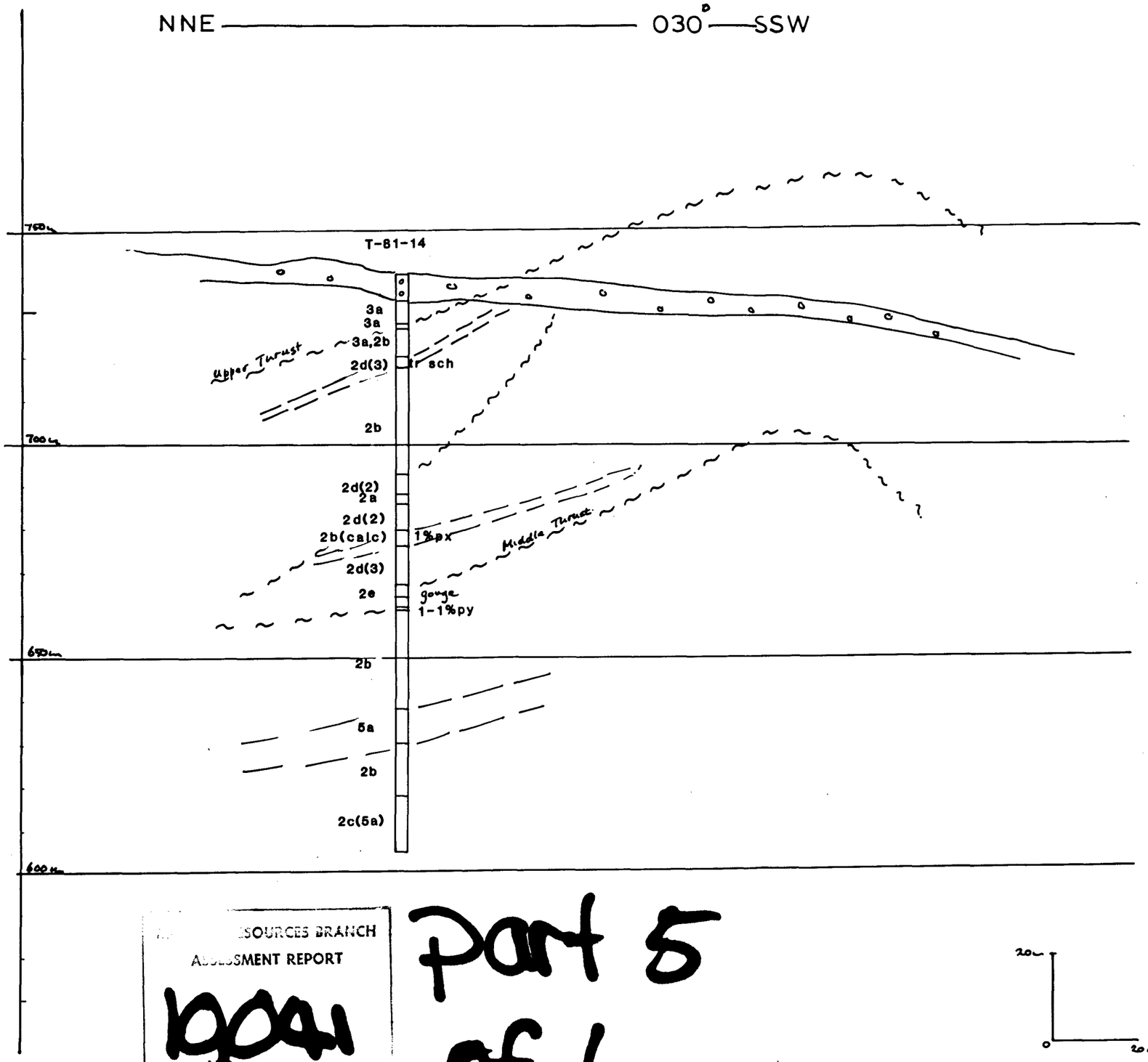


NORTHAIR MINES LTD.

Drill Section T-81-8

Project: Thanksgiving	Drawn: R. Wares
Date: Dec. 1981	Approved:
Scale: 1:500	Revised:
N.T.S.	Figure: 9

NNE —— 030° —— SSW



#	FROM	TO	WIDTH	% WO_3
S76V	19.5	20.0	0.50	0.01
S77V	20.0	20.5	0.50	0.01
S78V	20.5	21.0	0.50	0.21
S79V	21.0	21.5	0.50	0.01
S80V	21.5	22.1	0.50	0.01
S81V	55.1	55.6	0.50	0.02

LEGEND, DRILL SECTIONS

- 5a siliceous replacement (peg) pegmatite
- 5b kaolinitic gouge
- 5c sericite schist
- 4b quartz monzonite
- 4d porphyritic quartz monzonite dyke

Upper Assemblage

- 3a quartz – augen gneiss / schist
- 3b biotite – quartz – gneiss

Intermediate Assemblage

- 2a qtz. – chlorite schist : (t) : chlorite schist
- 2b qtz. – biotite / schist
- 2c qtz. – muscovite / muscovite schist
- 2d calcareous unit
- 2d(1) silicified limestone
- 2d(2) calc. silicate
- 2d(3) garnet – diopside skarn
- 2e graphite schist : (g) : gouge

Lower Assemblage

- 1a quartzite
- 1b quartz – biotite schist

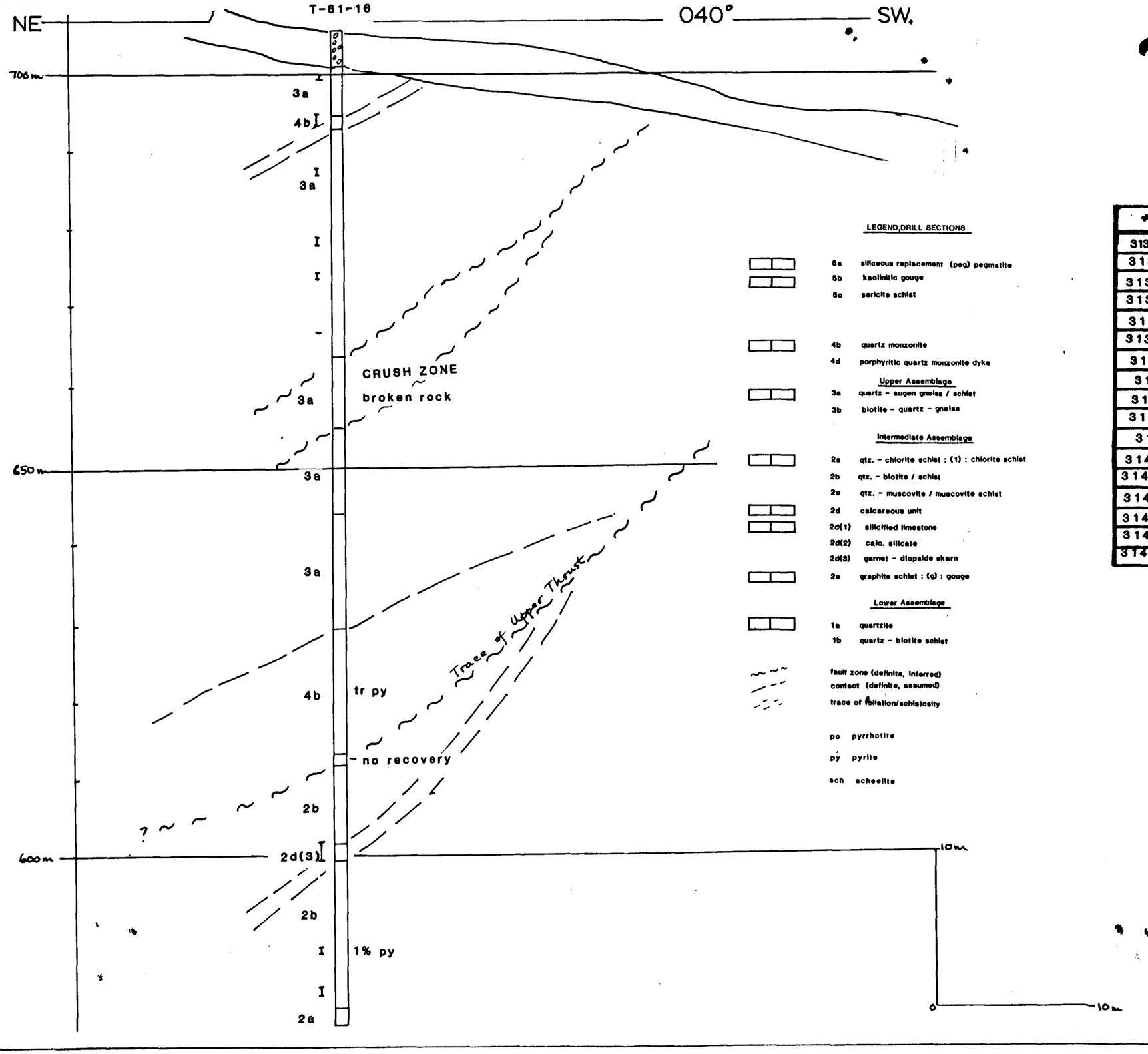
fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

po pyrrhotite
py pyrite
sch scheelite

Part 5 of 6

20m
0
20m

NORTHAIR MINES LTD.	
DIAMOND DRILL SECTION T-81-14	
Project.: Thanksgiving	Drawn: R. Wares
Date: Dec 1981	Approved: RW
Scale: 1:1000	Revised:
N.T.S.:	Figure: 10



LEGEND, DRILL SECTIONS

6a siliceous replacement (peg) pegmatite
6b kaolinitic gouge
6c sericite schist

4b quartz monzonite
4d porphyritic quartz monzonite dyke

Upper Assemblage

3a quartz – augen gneiss / schist
3b biotite – quartz – gneiss

Intermediate Assemblage

2a qtz. – chlorite schist : (t) : chlorite schist
2b qtz. – biotite / schist
2c qtz. – muscovite / muscovite schist
2d calcareous unit
2d(1) silicified limestone
2d(2) calc. silicate
2d(3) garnet – diopside skarn
2e graphite schist : (g) : gouge

Lower Assemblage

1a quartzite
1b quartz – biotite schist

fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

po pyrrhotite
py pyrite
sch scheelite

Part 5 of 6

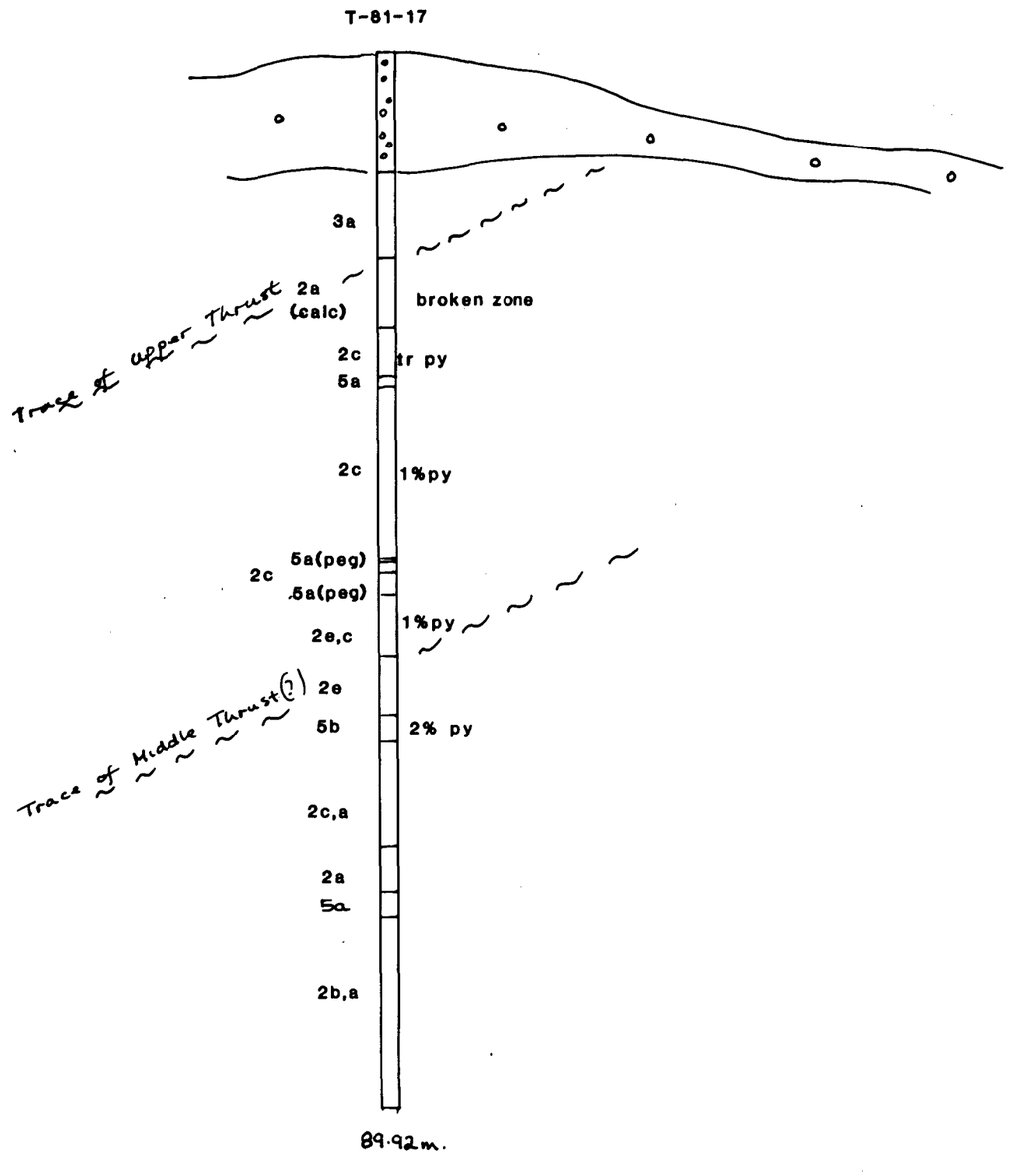
#	From	To	Width	% WOS	Au
3130	5.51	6.02	0.51	0.02	0.001
3131	10.78	11.28	0.50	0.01	0.002
3132	11.89	12.38	0.49	0.02	<0.001
3133	17.98	18.48	0.50	0.02	<0.001
3134	26.52	27.02	0.50	0.02	<0.001
3135	31.09	31.59	0.50	0.02	<0.001
3136	38.71	39.21	0.50	0.05	<0.001
3137	76.92	77.42	0.50	0.01	<0.001
3138	84.73	85.23	0.50	0.02	<0.001
3139	88.39	88.89	0.50	0.02	<0.001
3140	89.72	90.22	0.50	0.02	<0.001
3141	103.32	103.82	0.50	0.01	<0.001
3142	103.82	104.32	0.50	0.01	<0.001
3143	104.32	104.82	0.50	0.02	< 0.001
3144	105.26	105.76	0.50	0.01	<0.001
3145	117.04	117.54	0.50	0.01	<0.001
3146	122.94	123.44	0.50	0.01	<0.001

NORTHAIR MINES LTD.

Drill Section
T-81-16

Project.: Thanksgiving	Drawn: R. Ware
Date: Dec 1981	Approved: RW
Scale: 1:500	Revised:
N.T.S.:	Figure: 11

NE — 040° — SW



part 5 of 6

LEGEND, DRILL SECTIONS

- 5a siliceous replacement (peg) pegmatite
- 5b kaolinitic gouge
- 5c sericite schist
- 4b quartz monzonite
- 4d porphyritic quartz monzonite dyke

Upper Assemblage

- 3a quartz - augen gneiss / schist
- 3b biotite - quartz - gneiss

Intermediate Assemblage

- 2a qtz. - chlorite schist : (1) : chlorite schist
- 2b qtz. - biotite / schist
- 2c qtz. - muscovite / muscovite schist
- 2d calcareous unit
- 2d(1) silicified limestone
- 2d(2) calc. silicate
- 2d(3) garnet - diopside skarn
- 2e graphite schist : (q) : gouge

Lower Assemblage

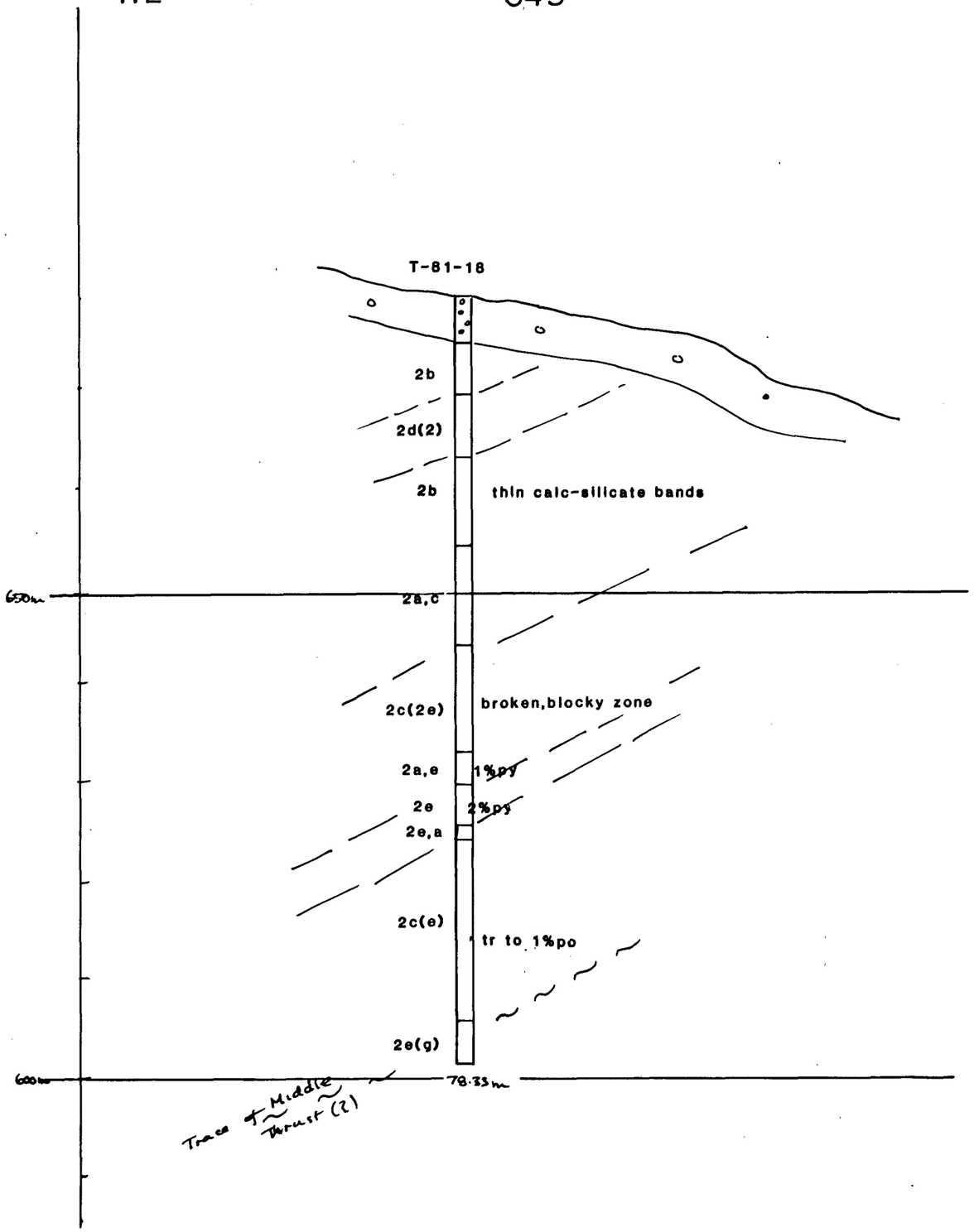
- 1a quartzite
- 1b quartz - biotite schist

fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

po pyrrhotite
py pyrite
sch scheelite

NORTHAIR MINES LTD.	
Drill Section T - 81-17	
Project.: Thanksgiving	Drawn: R. Waves
Date: Dec. 1991	Approved: RW
Scale:	Revised:
N.T.S.:	Figure: 12

NE ——— 045° ——— SW



LEGEND, DRILL SECTIONS

- 5a siliceous replacement (peg) pegmatite
- 5b kaolinitic gouge
- 5c sericite schist
- 4b quartz monzonite
- 4d porphyritic quartz monzonite dyke

Upper Assemblage

- 3a quartz – augen gneiss / schist
- 3b biotite – quartz – gneiss

Intermediate Assemblage

- 2a qtz. – chlorite schist : (1) : chlorite schist
- 2b qtz. – biotite / schist
- 2c qtz. – muscovite / muscovite schist
- 2d calcareous unit
- 2d(1) silicified limestone
- 2d(2) calc. silicate
- 2d(3) garnet – diopside skarn
- 2e graphite schist : (g) : gouge

Lower Assemblage

- 1a quartzite
- 1b quartz – biotite schist

fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

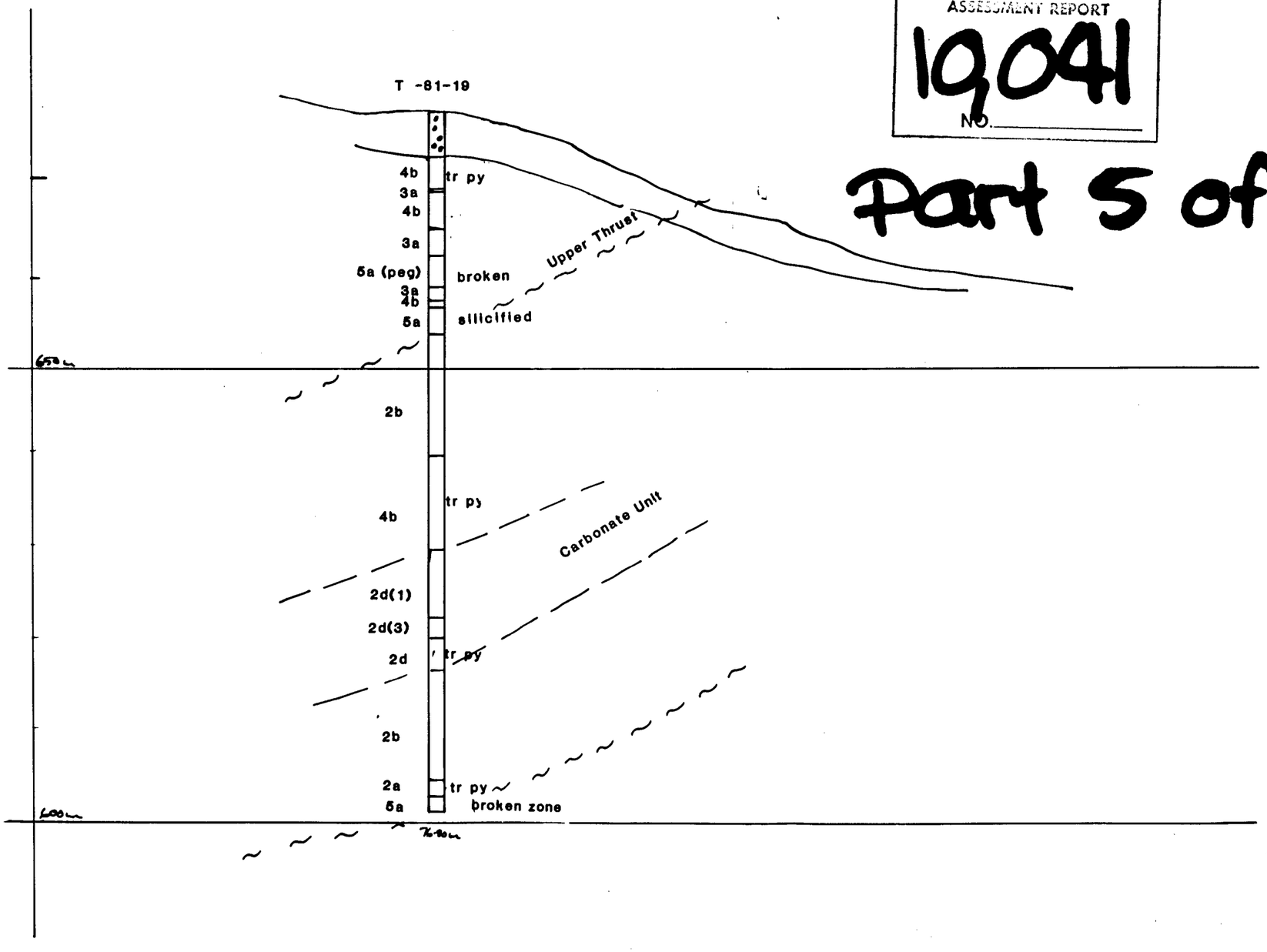
po pyrrhotite
py pyrite
sch scheelite

#	From	To	Width	%WO$_3$
3377	9.20	10.03	0.83	0.01
3378	10.03	11.27	1.24	0.01
3379	11.27	12.86	1.53	0.01
3380	12.80	13.79	0.99	0.01
3381	60.05	61.65	1.60	0.01
3382	67.40	68.95	1.55	0.01

Part 5 of 6

NORTHAIR MINES LTD.	
Drill Section T-81-18	
Project.: Thanksgiving	Drawn: R. Wares
Date: Dec. 1981	Approved: KW
Scale:	Revised:
N.T.S.:	Figure: 13

NE — 040° — SW



Part 5 of 6

#	FROM	TO	WIDTH	% WO_3
726V	39.62	41.14	1.52	0.01
727V	46.33	47.55	1.22	0.02
728V	47.55	48.46	0.91	0.01
729V	55.78	56.69	0.91	0.01

LEGEND, DRILL SECTIONS

- 5a siliceous replacement (peg) pegmatite
- 5b kaolinitic gouge
- 5c sericite schist
- 4b quartz monzonite
- 4d porphyritic quartz monzonite dyke

Upper Assemblage

- 3a quartz – augen gneiss / schist
- 3b biotite – quartz – gneiss

Intermediate Assemblage

- 2a qtz. – chlorite schist : (1) : chlorite schist
- 2b qtz. – biotite / schist
- 2c qtz. – muscovite / muscovite schist
- 2d calcareous unit
- 2d(1) silicified limestone
- 2d(2) calc. silicate
- 2d(3) garnet – diopside skarn
- 2e graphite schist : (g) : gouge

Lower Assemblage

- 1a quartzite
- 1b quartz – biotite schist

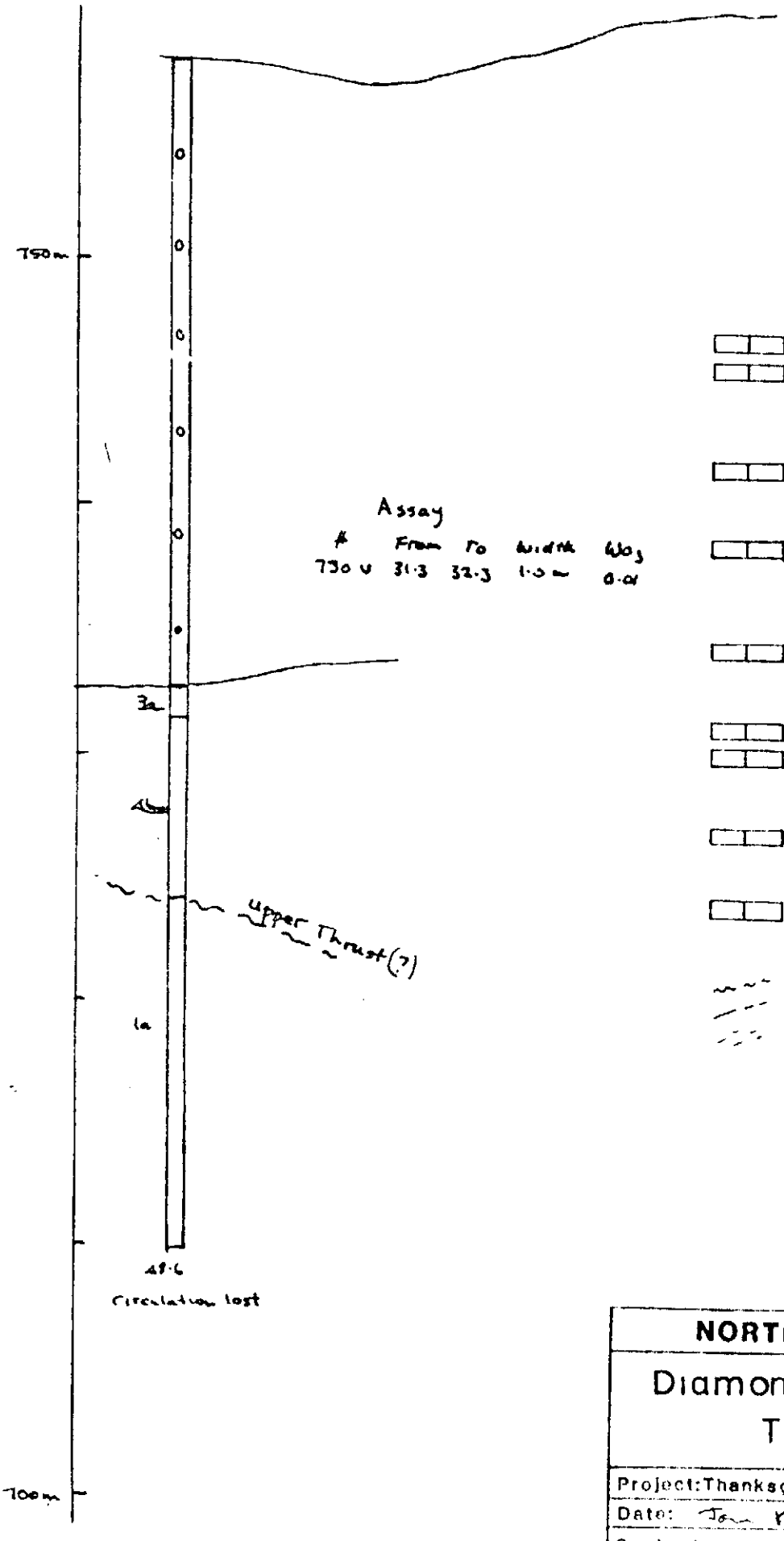
fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

po pyrrhotite
py pyrite
sch scheelite

NORTHAIR MINES LTD.

DRILL SECTION
T-81-19

Project.: Thanksgiving	Drawn: R. Warren
Date: Jan 1982	Approved: RH
Scale:	Revised:
N.T.S.:	Figure: 14



Assay

#	From	To	Width	WO_3
730 v	31.3	32.3	1.0 m	0.01

LEGEND, DRILL SECTIONS

- 5a siliceous replacement (peg) pegmatite
- 5b kaolinitic gouge
- 5c sericite schist
- 4b quartz monzonite
- 4d porphyritic quartz monzonite dyke

Upper Assemblage

- 3a quartz - augen gneiss / schist
- 3b biotite - quartz - gneiss

Intermediate Assemblage

- 2a qtz. - chlorite schist : (t) : chlorite schist
- 2b qtz. - biotite / schist
- 2c qtz. - muscovite / muscovite schist
- 2d calcareous unit
- 2d(1) silicified limestone
- 2d(2) calc. silicate
- 2d(3) garnet - diopside skarn
- 2e graphite schist : (q) : gouge

Lower Assemblage

- 1a quartzite
- 1b quartz - biotite schist

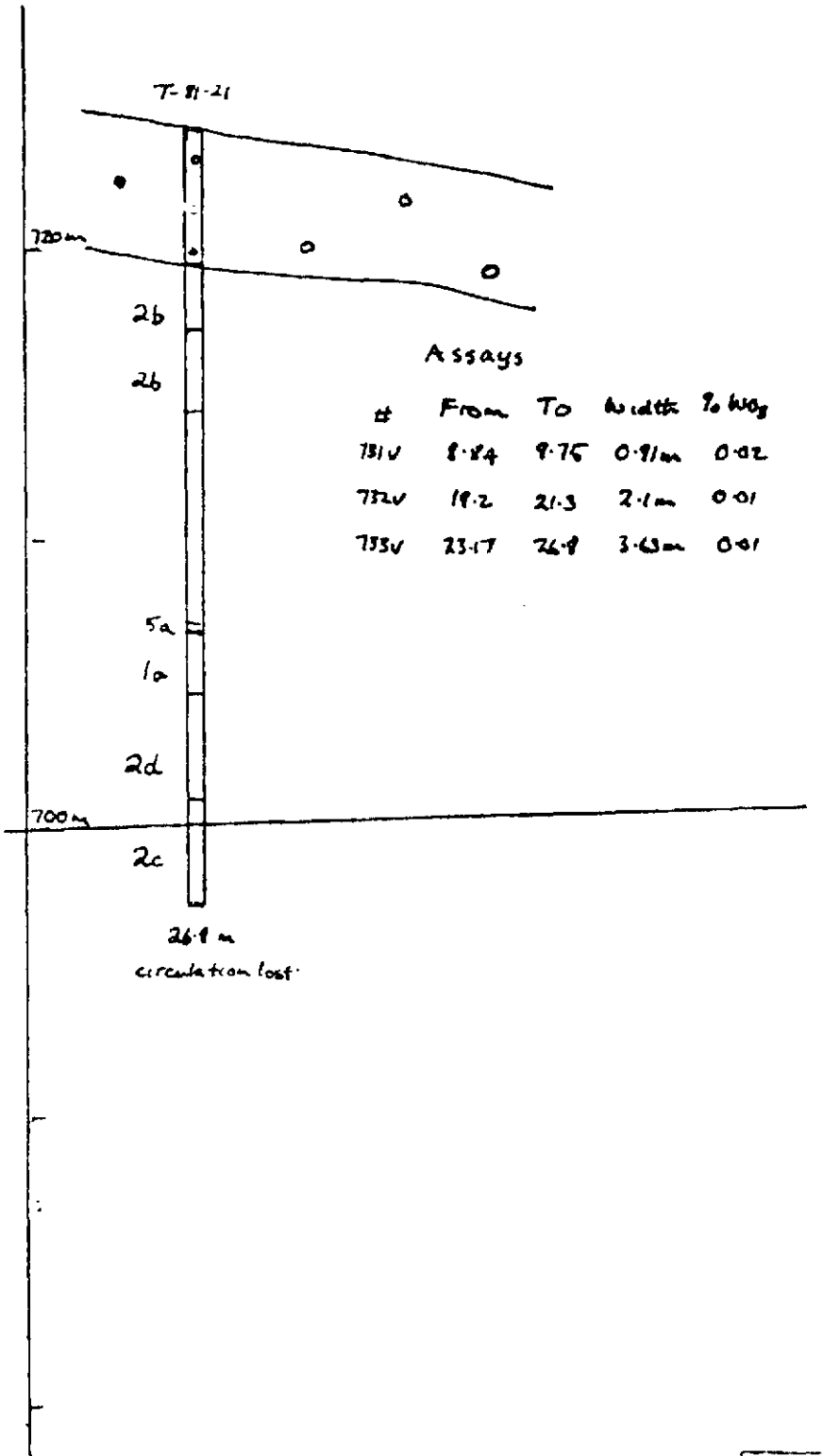
fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

po pyrrhotite
py pyrite
sch scheelite

NORTHAIR MINES LTD.

Diamond Drill Section T-81-20

Project: Thanksgiving	Drawn: R. Wares
Date: Jan 1982	Approved: RW
Scale:	Revised:
N.T.S.	Figure: 15



Assays

#	From	To	Width	% WO_3
731V	8.84	9.75	0.91m	0.02
732V	19.2	21.3	2.1m	0.01
733V	23.17	26.9	3.63m	0.01

LEGEND, DRILL SECTIONS

- 6a siliceous replacement (peg) pegmatite
- 5b kaolinitic gouge
- 5c sericite schist
- 4b quartz monzonite
- 4d porphyritic quartz monzonite dyke

Upper Assemblage

- 3a quartz – augen gneiss / schist
- 3b biotite – quartz – gneiss

Intermediate Assemblage

- 2a qtz. – chlorite schist : (t) : chlorite schist
- 2b qtz. – biotite / schist
- 2c qtz. – muscovite / muscovite schist
- 2d calcareous unit
- 2d(1) silicified limestone
- 2d(2) calc. silicate
- 2d(3) garnet – diopside skarn
- 2e graphite schist : (q) : gouge

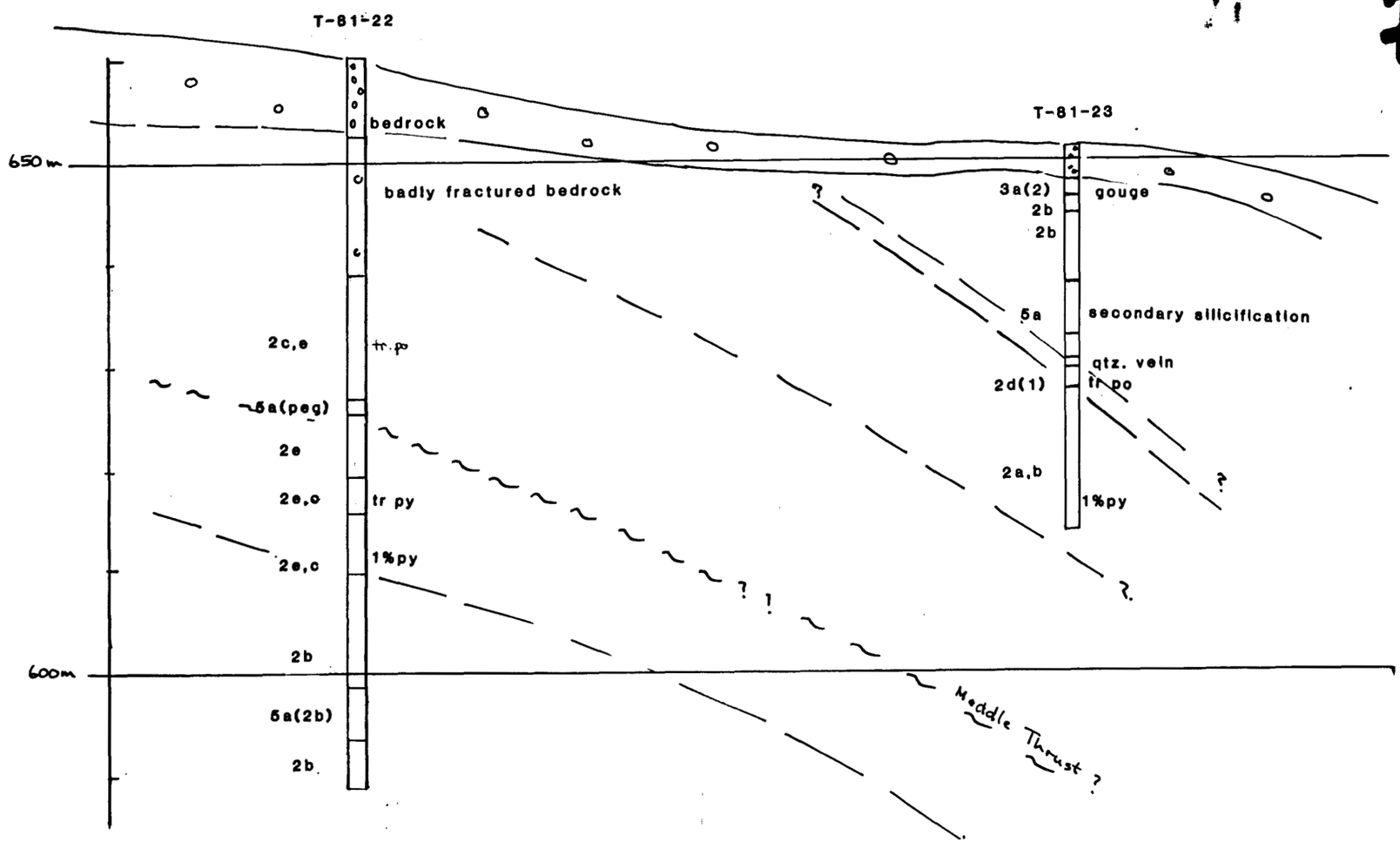
Lower Assemblage

- 1a quartzite
- 1b quartz – biotite schist

fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

po pyrrhotite
py pyrite
sch scheelite

NORTHAIR MINES LTD.	
Drill Section T-81-21	
Project: Thanksgiving	Drawn: R. Wares
Date: Dec. 1981	Approved: R Wares
Scale: N.T.S.	Revised:
	Figure: 6



LEGEND, DRILL SECTIONS

- 5a siliceous replacement (peg) pegmatite
- 5b kaolinitic gouge
- 5c sericite schist
- 4b quartz monzonite
- 4d porphyritic quartz monzonite dyke

Upper Assemblage

- 3a quartz - augen gneiss / schist
- 3b biotite - quartz - gneiss

Intermediate Assemblage

- 2a qtz. - chlorite schist : (t) : chlorite schist
- 2b qtz. - biotite / schist
- 2c qtz. - muscovite / muscovite schist
- 2d calcareous unit
- 2d(1) silicified limestone
- 2d(2) calc. silicate
- 2d(3) garnet - diopside skarn
- 2e graphite schist : (q) : gouge

Lower Assemblage

- 1a quartzite
- 1b quartz - biotite schist

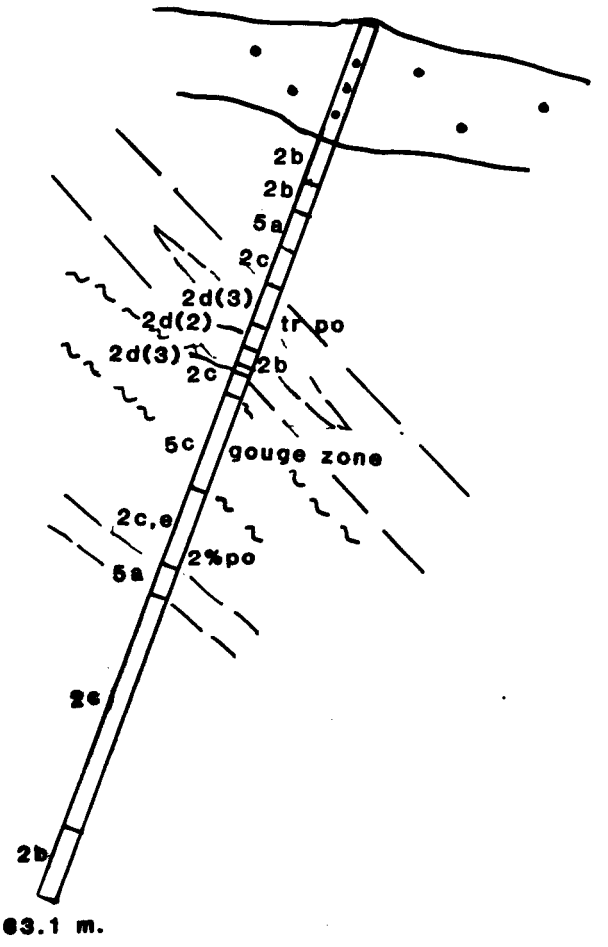
fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

po pyrrhotite
py pyrite
sch scheelite

NORTHAIR MINES LTD.	
DIAMOND DRILL SECTION T-81-22, 23	
Project.: Thanksgiving	Drawn: R. Brewer
Date: Jan 1982	Approved: RH
Scale: 1:500	Revised:
N.T.S.	Figure: 17

ENE ——————— 070° – WSW

T-81-24



#	From	To	Width m	Wt%
	19.9	19.8	1.0	0.01
	19.8	20.8	1.0	0.02
	20.8	21.8	1.0	0.01
	21.8	22.8	1.0	0.01
	22.8	23.8	1.0	0.01

LEGEND, DRILL SECTIONS

5a siliceous replacement (peg) pegmatite
5b kaolinitic gouge
5c sericite schist

4b quartz monzonite
4d porphyritic quartz monzonite dyke

Upper Assemblage

3a quartz – augen gneiss / schist
3b biotite – quartz – gneiss

Intermediate Assemblage

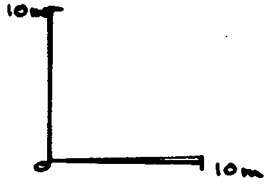
2a qtz. – chlorite schist : (1) : chlorite schist
2b qtz. – biotite / schist
2c qtz. – muscovite / muscovite schist
2d calcareous unit
2d(1) silicified limestone
2d(2) calc. silicate
2d(3) garnet – diopside skarn
2e graphite schist : (g) : gouge

Lower Assemblage

1a quartzite
1b quartz – biotite schist

fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

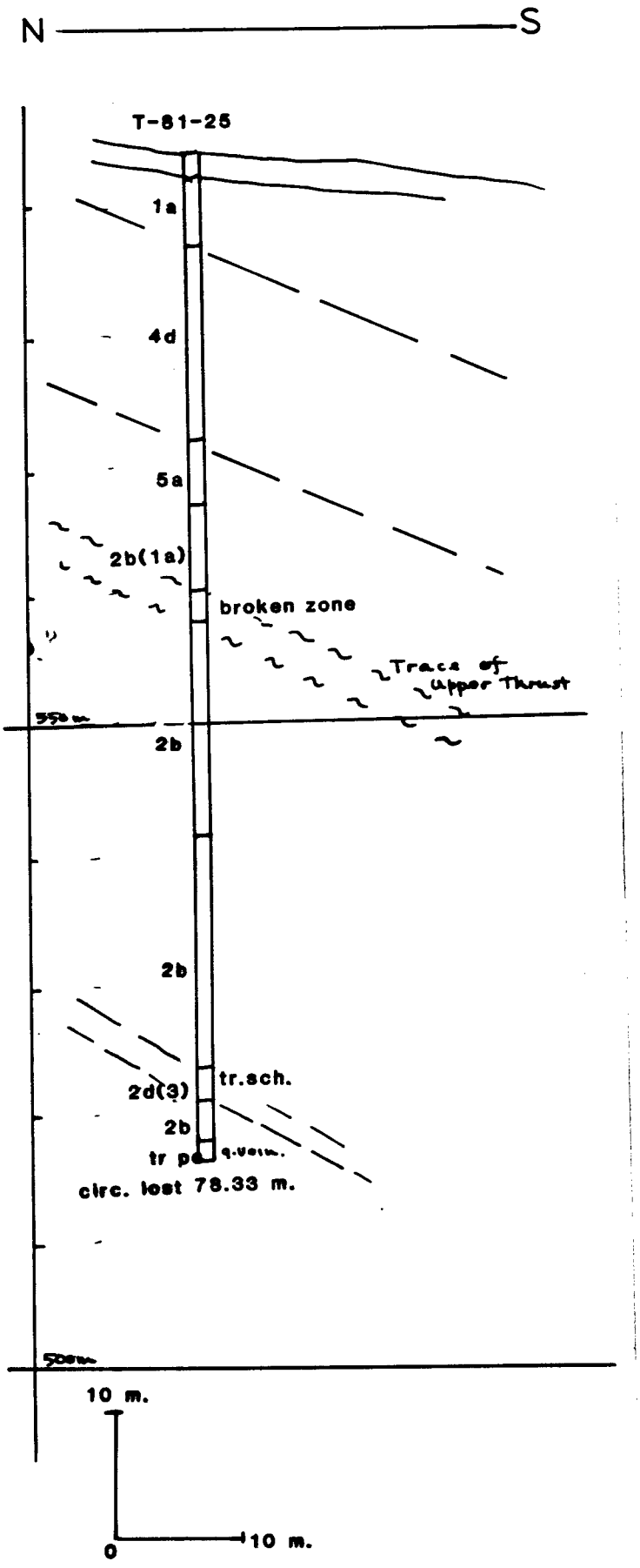
po pyrrhotite
py pyrite
sch scheelite



NORTHAIR MINES LTD.

DRILL SECTION
T-81-24

Project: Thanksgiving	Drawn: R. Wares
Date: Dec. 1981	Approved:
Scale: 1:500	Revised:
N.T.S.	Figure: 8



#	From	To	Width	%WO3
734V	6.71	7.71	1.0	0.01
735V	7.71	9.23	0.52	0.01
736V	12.19	13.72	1.53	0.01
737V	21.34	22.56	1.22	0.01
739V	22.56	23.78	1.22	0.01
739V	23.78	25.00	1.22	0.01

LEGEND, DRILL SECTIONS

5a siliceous replacement (peg) pegmatite
5b kaolinitic gouge
5c sericite schist

4b quartz monzonite
4d porphyritic quartz monzonite dyke

Upper Assemblage

3a quartz - augen gneiss / schist
3b biotite - quartz - gneiss

Intermediate Assemblage

2a qtz. - chlorite schist : (1) : chlorite schist
2b qtz. - biotite / schist
2c qtz. - muscovite / muscovite schist
2d calcareous unit
2d(1) silicified limestone
2d(2) calc. silicate
2d(3) garnet - diopside skarn
2e graphite schist : (g) : gouge

Lower Assemblage

1a quartzite
1b quartz - biotite schist

fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

po pyrrhotite
py pyrite
sch scheelite

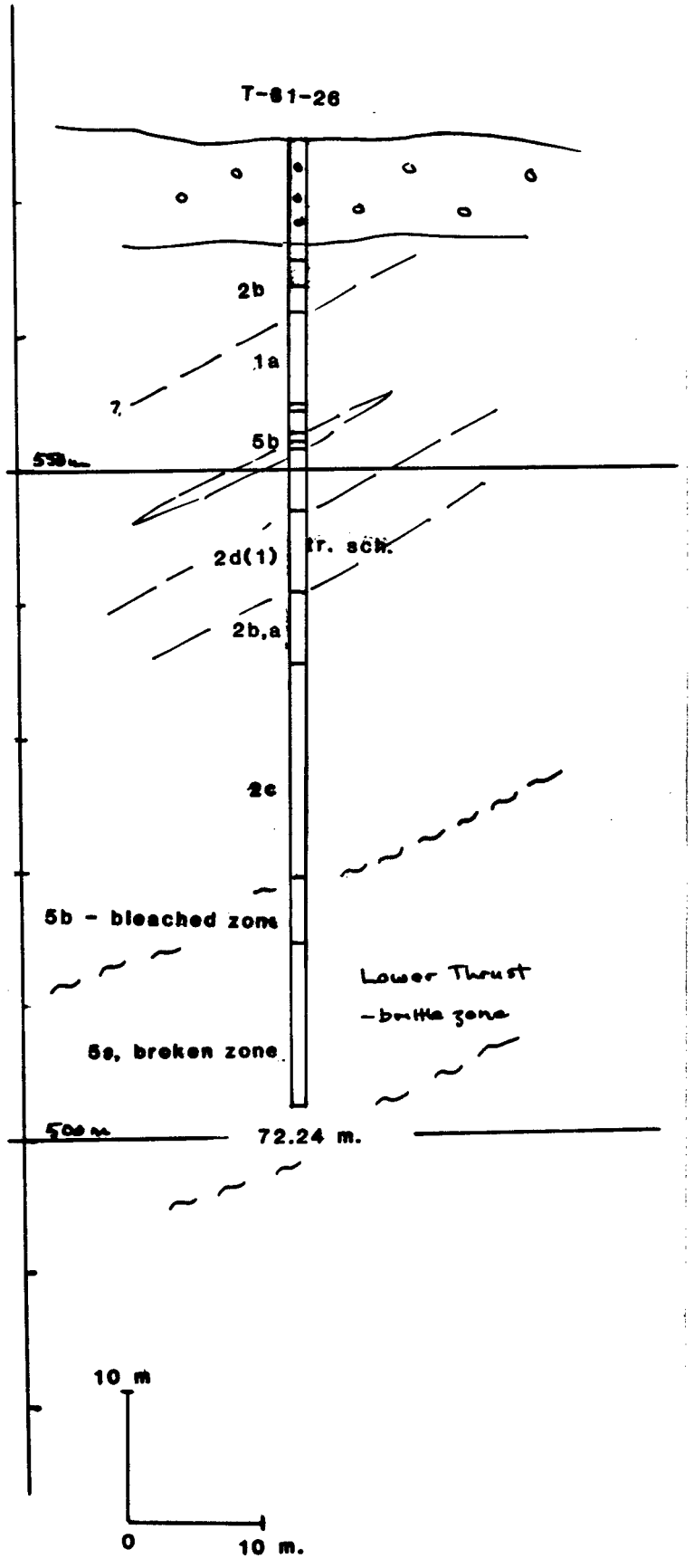
NORTHAIR MINES LTD.

Drill Section

T-81-25

Project: Thanksgiving	Drawn: R. Warns
Date:	Approved:
Scale: 1:500	Revised:
N.T.S.	Figure: 2

N ——— S



Assays

From	To	Width	WO_3
28.6	29.6	1.0 m	0.01
31.5	32.5	1.0	0.01

LEGEND, DRILL SECTIONS

5a siliceous replacement (peg) pegmatite
5b kaolinitic gouge
5c sericite schist

4b quartz monzonite
4d porphyritic quartz monzonite dyke

Upper Assemblage

3a quartz - augen gneiss / schist
3b biotite - quartz - gneiss

Intermediate Assemblage

2a qtz. - chlorite schist : (1) : chlorite schist
2b qtz. - biotite / schist
2c qtz. - muscovite / muscovite schist
2d calcareous unit
2d(1) silicified limestone
2d(2) calc. silicate
2d(3) garnet - diopside skarn
2e graphite schist : (g) : gouge

Lower Assemblage

1a quartzite
1b quartz - biotite schist

fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

po pyrrhotite
py pyrite
sch scheelite

NORTHAIR MINES LTD.

Drill Section T-81-26

Project: Thanksgiving	Drawn: R. Wares
Date: Dec. 1981	Approved:
Scale: 1:500	Revised:
N.T.S.	Figure: 20

no surface indications of the surface trace of the skarn unit. The first hole on this sequence was collared on the basis of IP data which suggested a fold closure or surface trace of closure in that locality. The sequence of holes encountered some problems in recovery and this, on occasion, necessitated, changing down from HQ to NQ core.

The first hole (T-81-14) drilled to a depth of 134.11m, encountered some complex geology. The hole (Fig.10) encountered a zone to 11.8m of biotite-quartz-augen schist, of upper unit (#3) aspect. A strongly broken zone at 11.8 to 12.8m appeared to be the locus of the upper thrust plate. From 19.3 to 21.9m, a mottled and laminated skarn unit was encountered with minor scheelite. The assays revealed a 0.50m assaying 0.21% WO_3. To a depth of 45.5m, the unit was a quartz-biotite schist. To a depth of 59.5m, two thin skarn (2d (3)) or calc silicate assemblages were noted; up to 4.1m (drill width), but with no associated sulphides. A laminated calcareous skarn with garnet, diopside was present from 63.6m to 72.2m, underlain by a gouge zone. The repetition of skarn or calc-silicate units appears to be, on the basis of the drill core, to be a tectonic stacking effect from splay structures. To the bottom of the hole, quartz-biotite and quartz-muscovite schists were encountered.

The identification of the skarn horizon permitted structural contours to be constructed to control the subsequent drilling along the north east limb of the structure.

The second hole (T-81-15) could not be collared because of bedrock fracturing. The third hole (T-81-16) was collared in the same general area. The hole was collared in quartz-augen gneisses of the upper unit, to a depth of 76.2m, where it cut a 13.85m section of partly sericitised quartz monzonite; carrying minor pyrite. No gold or tungsten values of note were obtained from this section (Fig.11). A broken zone with no core recovery marks the locus of the upper thrust plate. Below the thrust plate, the unit was essentially a quartz-biotite schist with a 2.0m garnet-diopside skarn. An epidotic reaction margin surrounded the garnet porphyroblasts. No sulphides or scheelite were noted.

The third hole (T-81-17) (Fig.12) was collared in a quartz-biotite-gneiss, with some thin 10cm calc-silicate bands at 11.8 to 11.9m. A strongly broken zone (17.5 to 23.5m) is interpreted as the trace of the upper thrust. The broken zone is a calcareous chlorite quartz schist. Below this, muscovite-quartz schists, with pyritic and graphitic sections is present below this zone. A strong graphitic zone at 51.2 to 56.3m had a peripheral bleached, sericite-quartz envelope. Units below that were essentially biotite schists. The calcareous horizon (weak) at 17.5m may be a lateral variation of the skarn horizon, as it may be cut out completely by structural stacking.

The fourth hole in this section (T-81-18) was drilled to a depth of 78.33m, between T-16 and the original discovery. This unit appeared to be collared entirely in the intermediate unit. The hole encountered a 6.2m section of calc silicate, without any development of garnet. No scheelite was observed. Below this, a 9.1m section of quartz-biotite schist carried rare thin calc-silicate bands. Below this, the hole intersected intermixed graphite and muscovite quartz schists, with trace to 1% pyrite present. The broken blocky zone at 35.6 to 46.4m may be the middle thrust plate. Another gouge/brecciated zone was encountered at 73.4 to 78.33m. (Fig.13)

Hole #T-81-19, was drilled, between T-18 and the Discovery showing. It was drilled to a depth of 76.50m. It was collared in upper units from 4.9 to 12.9m, a fine to medium grained quartz monzonite was observed, variably sericitised and carrying minor pyrite. To a depth of 21.4m, quartz-augen gneisses were observed. To a depth of 47.9m, intermixed quartz-biotite schist and quartz monzonite was present. The quartz monzonite, partly sericitised, carried minor pyrite and occasional thin pyrite stringers. Assay values were background W. From 47.9 to 55.9m, a partly silicified limestone was present, underlain, from 55.9 to 57.0 by a laminated garnet-diopside skarn. No scheelite was noted. Assay values were 0.01 WO_3 over 0.91m. The rest of the hole intersected quartz-biotite schist and chlorite schist carrying traces py. (Fig. 14)

7. South, South-East Limb (Holes T-81-20,21,22,23)

Drill holes T-81-20 and 21, were drilled to test the south-east limb of the antiformal structure. Problems were encountered

in stabilizing the holes, achieving good recovery and determining bedding attitudes.

Hole T-81-20, was cased to a depth of 25.6m, in badly fractured rock, and cored from 25.6 to 26.9m, quartz-augen schist. A zone from 26.9 to 34.6 m, comprised a medium grained quartz monzonite, variably pyritised and sericitised. Below the monzonite was a broken quartz-biotite schist. Circulation was lost at 48.1m and the hole abandoned. (Fig.15)

Hole T-81-21 was drilled to test the SE, southerly dipping limb of the antiform. The hole, drilled to 26.8m, encountered quartzite and augen schist and, from 19.2 to 23.2m, a broken, silicified limestone with poor core recovery. No sulphides were noted. Circulation was lost at 26.8m and no recovery possible. The hole was abandoned. (Fig. 16)

Hole #T-81-22, (Fig.17) was drilled to likewise test the (inferred) south west dipping carbonate horizon. The hole, to a depth of 72.2m, was cased to 21m, and intersected at 6.2m, a section of gouge, graphitic from 34.5 to 40.7m, and quartz-muscovite/biotite schists, (with some graphite),for the rest of the hole .

Hole #T-81-23, drilled to 37.79m, was a step out to the SE to test the horizon. It cut a section from 21.64 to 23.46m, of banded, and occasionally mottled limestone. Minor diopside was noted with traces po. This unit was underlain by a qtz-chlorite schist, with 1% disseminated pyrite.

The interpretive section does not permit an unambiguous interpretation of strike and dip. The calcareous unit is probably the southern limits of the structure.

8. Lower skarn location (Holes T-81-24,25.)

Hole T-81-24 was drilled to test the extension of the trench area sampled in earlier prospecting activity. The hole was drilled to 63.1m. From 17.98 to 20.73m, a laminated garnet skarn was encountered, grading to a mottled, more massive skarn unit at 20.73 to 22.55m. The latter carried traces of pyrrhotite. The skarn assemblage was repeated at 23.47 to 25.15m garnet is sporadically present. Assays were low and inconclusive.

A graphitic gouge section was encountered at 25.6 to 32.61m, variably silicified quartz muscovite schist was encountered to the

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-02
AREA CODE: 604
TELEX: 043-52597
ANALYTICAL CHEMISTS
GEOCHEMISTS
REGISTERED ASSAYERS

CHEMEX LABS LTD.

May 28, 1981

Northair Mines Ltd.
1450 - 625 Howe St.
Vancouver, B.C.
V6C 2T6

Attn: Mr. Fred Hewett

Dear Mr. Hewett:

As requested in our phone conversation of May 26, 1981, I have outlined our procedures for silver and gold fire assay, as well as for tungsten wet assay.

Please contact me if you need further information.

Sincerely yours,

B. L. Twaites

B. L. Twaites
Chief Assayer

BLT/law

encl.

NAME	DIST.	INITIAL
M.P.D.		
F.G.H.	✓	
R.G.		
P.D.		

bottom of the hole. (Fig.18)

Hole #T-81-25, was drilled with two objectives. One was to sample a posphyritic quartz-monzonite sill and to locate the down dip extension of the skarn horizon, in the latter southern limb of the antiform. The hole, drilled to 78.33m, encountered the porphyritic sill from 7.31m to 22.85m. No scheelite was observed. The rest of the hole comprised, essentially, quartz-biotite schist with, from 71.32 to 74.00m, a weakly garnetiferous skarn assemblage with traces scheelite over a 1.0m section. Assay values were low. Circulation was lost at 78.33m, in a quartz vein, carrying blobs of po. A structural break was evident at 66.8 to 69.8m. The dip is uncertain. (Fig.19)

9. Other Holes

Hole #T-81-26, the final drill hole in the 1981 programme, was drilled to test an area of poor outcrop whose stratigraphic position was uncertain. Considerable problems were encountered with respect to core loss. The hole was drilled to 72.24m. A graphitic gouge of 21.95 to 22.7m carried a kaolinite/bleached envelope from 20.1 to 21.95 and 22.7 to 23.2m. A fine grained limestone unit from 28.05 to 33.83m had variable skarn development, with a weak, banded garnetiferous skarn from 28.8 to 29.0m. Traces of scheelite were localized where garnet porphyroblasts were present. The underlying quartz-muscovite schists are variably silicified and kaolinised, especially in the zone from 60.01m to 72.24m where recovery was very poor. This latter zone is evidently a major brittle zone with development of a reticulate network of silicification and sericitisation. Circulation was lost at 72.24m. (Fig. 20)

10. Summary and Conclusions

1) The initial programme on the Thanksgiving Property has demonstrated that the mineralization at the initial discovery site is of limited extent.

2) The drill programme has demonstrated that a broad antiform is present. The favourable carbonate horizon can be traced on the north east limb but because of structural complexity, only partly resolved, only part of the south west limb has been recognized. The attitude of the structural breaks in this area is ambivalent. Poor core recovery and broken zones precluded an accurate assessment of dip.

3) The drill programme has established that the scheelite is erratically present in the host carbonate horizon and that the variation in associated sulphides makes indirect determination by geophysics problematic at best.

4) No further drill holes are recommended until further evaluation of the existing geological data.

TABLE 14

DIRECT DRILL COSTS - DIAMOND DRILLING

#	Footage	Drilling	Casing	Setting Up	Moving	Mud	Man Hrs.	Drill Hr.	Parts	Total	Cost/Ft
1	246	6589.20	520.20	780.00	---	63.72	57.00	---	---	8010.12	32.56
2	167	4479.50	346.80	---	39.00	31.86	---	---		4897.16	29.32
3	85	2080.90	375.70	---	39.00	31.96	---	---	---	2527.36	29.73
4	307	8092.00	86.70	---	156.00	63.72	---	---	---	8398.42	27.36
5	267	6213.30	1502.80	---	195.00	99.12	39.00	18.00	---	8067.22	30.21
6	84	2109.70	317.90	---	195.00	106.20	58.50	27.00	---	2814.30	33.50
7	271	7456.20	375.70	---	39.00	254.88	156.00	72.00	---	8353.78	30.83
8	136	3670.30	260.10	---	156.00	138.06	117.00	54.00	---	4395.46	32.32
9	192	5202.00	346.80	---	234.00	106.20	78.00	36.00	---	6003.00	31.27
10	154	4103.80	346.80	---	39.00	95.59	78.00	36.00	---	10,702.18	69.49
11	247	6791.50	346.80	---	195.00	42.48	39.00	18.00	---	7432.78	30.09
12	200	5375.40	409.60	---	117.00	42.48	37.00	18.00	---	5996.48	29.88
13	165	4421.70	346.80	702.00	156.00	42.48	39.00	18.00	---	5725.98	34.70
14	440	11,284.40	608.60	802.00	351.00	53.10	117.00	54.00	900.34	14,170.44	32.21
15	(87)C	---	2514.30	---	273.00	138.06	312.00	144.00	---	3381.36	38.87
16	417	10,544.20	433.50	---	195.00	764.64	702.00	432.00	975.86	14,047.20	33.69
17	295	7188.70	346.80	---	195.00	159.30	448.50	216.00	588.47	9142.77	30.99
18	257	7022.70	404.60	---	156.00	116.82	234.00	108.00	---	8042.12	31.29
19	251	6791.50	462.40	---	195.00	223.02	390.00	180.00	826.00	9067.92	36.13
20	166	2352.80	2427.60	---	273.00	318.60	312.00	144.00	413.00	6241.00	37.60
21	88	2080.80	462.40	---	117.00	106.20	702.00	524.00	2208.96	6001.36	68.20
22	237	4826.30	2494.00	---	234.00	207.08	156.00	36.00	---	7953.39	33.56
23	124	3294.60	289.00	---	156.00	138.06	234.00	90.00	---	4201.66	33.88
24	202	5259.80	578.00	---	624.00	84.96	117.00	108.00	---	6771.76	33.52
25	257	6555.10	520.20	975.00	234.00	21.24	390.00	180.00	3519.82	12,395.36	48.23
26	237	5831.40	780.30			223.02	312.00	144.00	1688.58	8979.30	37.89
	5,579									$193,721.88	

Av. 34.72 per foot

DIRECT, INDIRECT COSTS, DIAMOND DRILLING

#	1 DIRECT	2 R&B	3 SITE-PREP	4 MOVING	RD.BLDG.	MOV. REV.	S.HAUL (WHSE)		TOTAL (1,2,3,4)
1	8010.12	908.16	1155	605			523.30		10,680.96
2	4897.16	113.52	—	—					5,010.68
3	2527.36	113.52	—	—					2,640.88
4	8393.42	340.56	110	110					9,953.98
5	8067.22	340.56	330	220					8,957.78
6	2814.30	113.56	225	220					3,372.86
7	8353.78	340.56	—	—					8,694.34
8	4395.46	227.04	110	110					4,842.50
9	6003.00	340.56	220	165					6,728.56
10	10,702.18	227.04	—	—					10,929.22
11	7432.78	227.04	110	110					7,879.82
12	5996.48	340.56	110	110					6,557.04
13	5725.98	227.04	110	110		440		(300.00)	6,173.02
14	14,170.44	1362.24	440	220	1265	550	325.06		16,192.68
15	3381.36	227.04	440	330					4,378.40
16	14,047.20	557.60	440	330					15,374.80
17	9142.77	454.08	220	220					10,036.85
18	8642.12	454.08	220	220					8,936.20
19	9067.92	454.08	220	220					9,962.00
20	6241.00	340.56	220	220					7,021.56
21	6001.36	227.04	330	110					6,668.40
22	7953.39	340.56	110	165			91.30		8,568.95
23	4201.66	340.56	110	110			243.40		4,762.22
24	6771.76	454.08	110	495					7,830.84
25	12,395.36	1135.20	-	385					13,915.56
26	8977.30	1986.60	220	220		220	60.85		11,405.90
	193,721.88	12193.44	5560	5115	1265		816.80		216,390.32

Cost/ft. 38.82

Total (all) 221,426.03

39.69 per foot

DIAMOND DRILLING, INDUCED COSTS

SUPERVISION, CORE LOGGING		Unit Cost	Total
R. Wares	44 days	132.50	5,830.00
R. Duncan	23 days	55.17	1,268.91
B. Buckland	18 days	43.67	786.06
W. Gewargis	3 days	119.72	359.16
G. Thomson	6 days	110.01	660.60
R + B	90 days	43.50	4,089.00
Assays			4,830.58
Vehicle Costs (prorated)			2,280.00
Warehouse Rental	5 months	200.00	1,000.00
		TOTAL	16,273.73
Total,Direct,Indirect & Induced			237,699.76

Cost/ft.	$42.61
Cost/in.	$139.75

R. Wares June 23,24,25,26,29,30
July 2,3,5,6,11,13,14,17,18 (½),19,21
Aug. 25,26,27
Sept. 1,2,3,4,7,10,14,22,23,25,26,28,29
Oct. 1,2,3,4,10,11,19 (½),20 (½),21(½),27(½),28(½),29(½)

R. Duncan Aug 26, Sept 3,4,7,10,14,15,16,18,19,22,23,25,26,28,29
Oct 1,2,3,4,5,6,23

B. Buckland June 28,29,30, July 1,2,6,7,8,11,13,14,15,16,17,18,20,21,22

W. Gewargis July 22,23,24

G. Thomson Sept 10,11,12,13,14,15

GOLD AND SILVER FIRE ASSAYING

The samples are crushed, pulverized, screened to 100% -100 mesh, then rolled for mixing. A 1/2 assay ton sub sample is fused using the appropriate mixture of fire assay fluxes, then poured into a steel mold. The two products, the slag and lead button are separated and the lead button cupelled at 850°C. The resulting silver prill is weighed, parted, then weighed as gold. The difference between the two weighings is the silver assay.

TUNGSTEN

A 1 gram sub sample is decomposed in an acid mixture, transferred into a volumetric flask, cooled, then mixed. An aliquot is pipetted, reduced with stannous chloride, then complexed with potassium thiocyanate. The yellow-green tungsten thiocyanate complex is measured against standards on a Spectronic 700 Spectrophotometer.

Analytical Technique

ROUTINE PROCEDURE FOR DETERMINATION OF TUNGSTEN IN MAC MILLAN TUNGSTEN CORE SAMPLES

A.S

ROSSBACHER LABORATORY LTD.
Burnaby, B.C.

REAGENTS:

1. Ferric chloride solution, 10%: 100 gm $FeCl_3$ per 1000 ml H_2O
2. Stannous chloride solution, 45.2%: 226 gm $SnCl_2 \cdot 2H_2O$ dissolved in 450 ml of HCl, dilute to 500 ml with HCl
3. Potassium thiocyanate solution, 20%: 100 gm KSCN dissolved in H_2O, dilute to 500 ml with H_2O (make fresh each day)
4. Standard WO_3 stock solution, 10,000 μ/ml: 1423 gm $Na_2WO_4 \cdot 2H_2O$ dissolved in and diluted to 1000 ml with H_2O
5. Standard WO_3 stock solution, 1000 μ/ml: dilute 20 ml of 10,000 μ/ml stock solution to 200 ml with H_2O

PROCEDURE: (WO_3 content from 0.4 to 2.0%)

1. Weigh 1.0 gm - 200 mesh sample into 400 ml tall form beaker, add approximately 225 ml HCl, and boiling stones
2. Boil with cover glass for 2 hours, stir every 30 minutes
3. Cool in H_2O bath and dilute to 200 ml with HCl, using a 200 ml Kohlrausch flash, pour diluted solution back in original beakers
4. Filter off approximately 50 ml into 150 ml beakers using a No. 1 paper folded into a No. 42 paper supported by the rim of the 150 ml beaker
5. Transfer 10 ml aliquot to a 100 ml volumetric flask, add HCl to obtain a volume of 50 ml. Then add 1 ml $FeCl_3$ solution, 5 ml $SnCl_2$ solution and approximately 10 ml H_2O
6. Boil in water bath for 10 minutes at 95°C, measuring temperature in the flask
7. Cool to 16°C in water bath, and add 5 ml KCNS solution, dilute to 100 ml and mix well
8. Let stand for 20 minutes, read within 20 minutes on the Spectronic 20 at 400 mμ, using a reagent blank to zero the instrument

SAMPLES WITH VALUES BELOW 0.4% AND ABOVE 2.0% WO_3

Redo: samples below 0.4% WO_3, using a 20 ml aliquot

samples between 2.0 and 3.6% WO_3, using a 5 ml aliquot

samples between 3.65 and 6.0% WO_3, reweighing at 0.5 gm and using a 5 ml aliquot.

STANDARDS:

Make a set of standards by pipetting an ~~approximate~~ APPROPRIATE aliquot of stock solution in a beaker containing 1.0 gm of pulverized granite as noted below:

µ/ml	ml aliquot	stock solution used	% WO_3 equivalent
5 µ/ml	1.0	1,000 /ml	0.1
10	2.0		0.2
20	4.0		0.4
40	8.0		0.8
60	1.2	10,000 /ml	1.2
80	1.6		1.6
90	1.8		1.8
100	2.0		2.0

Treat standards as samples, continuing from step 1 of the procedure. Use the values obtained to draw a standard curve.

Revised from the Climax Molybdenum Company Extractive Metallurgical Laboratory Tungst Method 1971

P. Rossbacher

CCFS MICROGRAPH

G8-5D
10 X 10 to the inch, 5th lines heavy
MADE IN CANADA

% WO_3 MET. LAB METHOD. JUNE 8/72

BASED ON 1.0gm, DILUTED TO 200 ml — 10 ml ALIQUOT
WAVE LENGTH — 400 mμ — (FACTOR IS ÷ 4 X ABSOR. RANGE)

ABS.	% WO_3	ABS	% WO_3
.01	.04	.21	1.04
.02	.08	.22	1.08
.03	.12	.23	1.12
.04	.16	.24	1.16
.05	.20	.25	1.20
.06	.24	.26	1.24
.07	.28	.27	1.28
.08	.32	.28	1.32
.09	.36	.29	1.36
.10	.40	.30	1.40
.11	.44	.31	1.44
.12	.48	.32	1.48
.13	.52	.33	1.52
.14	.56	.34	1.56
.15	.60	.35	1.60
.16	.64	.36	1.64
.17	.68	.37	1.68
.18	.72	.38	1.72
.19	.76	.39	1.76
.20	.80	.40	1.80
.21	.84	.41	1.84
.22	.88	.42	1.88
.23	.92	.43	1.92
.24	.96	.44	1.96
.25	1.00	.45	2.00

1.0gm SPIKED GRANITE STD

ABSORBANCE

.6 .5 .4 .3 .2 .1

1 2 3 4 .5 6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910
AREA CODE: 604

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 81445-3

INVOICE NO. 2029

DATE RECEIVED

DATE ANALYSED Nov 5,1981

TO: NORTH AIR MINES LTD.
1450-625 Howe St.
Vancouver, B.C.

ATTN: 412-07-JRM

SAMPLE NO.:	% WO_3
726 V	0.01
727 V	0.02
728 V	0.01
729 V	0.01
730 V	0.01
731 V	0.02
732 V	0.01
733 V	0.01
734 V	0.01
735 V	0.01
736 V	0.01
737 V	0.01
738 V	0.01
739 V	0.01
740 V	0.06
741 V	0.01
742 V	0.01
39424	0.21
39425	0.20
39534	0.03
39535	0.54
39536	0.03
39537	0.16
TP81-16 50-55	0.10
*)	
39425 cut2	0.19
39425 cut3	0.20
39425 cut4	0.19
39425 cut5	0.19

*) Replicate cuts from coarse reject.

Certified by Rossbacher

Rossbacher Laboratory Ltd.
GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B.C.
CANADA
TELEPHONE: 299-6910
AREA CODE: 604

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 81357

TO: NORTH AIR MINES LTD.
1450-~~625~~ Howe St.
Vancouver, B.C.

INVOICE NO. 1442

DATE RECEIVED

DATE ANALYSED Sept 29,1981

ATTN: 412-07 NRM

SAMPLE NO.:	% WO_3	oz/T Au
3130	0.02	0.001
3131	0.01	0.002
3132	0.02	0.001
3133	0.02	0.001
3134	0.02	0.001
3135	0.02	0.001
3136	0.05	0.001
3137	0.01	0.001
3138	0.02	0.001
3139	0.02	0.003
3140	0.02	0.001
3141	0.01	0.001
3142	0.01	0.001
3143	0.02	0.001
3144	0.01	0.001
3145	0.01	0.001
3146	0.01	0.001
3147	0.02	0.001
3148	0.01	0.004
3149	0.01	0.001
3150	0.01	0.001
3376	0.01	0.001
3377	0.01	0.001
3378	0.01	0.003
3379	0.01	0.001
3380	0.01	0.001
3381	0.01	0.001
3382	0.01	0.001

Certified by J. Rossbacher

Rossbacher Laboratory Ltd.
GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910
AREA CODE: 604

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 81378
INVOICE NO. 1417
DATE RECEIVED
DATE ANALYSED Sept16,1981

TO: NORTH AIR MINES LTD.
1450-625 How St.
Vancouver, B.C.

ATTN: Mr. Roy Lares

SAMPLE NO.:	% WO_3	oz/T Ag	oz/T Au
V 576	0.01	1.64	0.001
V 577	0.01	0.10	0.001
V 578	0.21	0.06	0.001
V 579	0.01	0.06	0.001
V 580	0.01	0.06	0.001
V 581	0.02	0.08	0.026
V 582	0.01	0.04	0.001
V 583	0.01	0.02	0.001
V 584	0.01	0.04	0.001
V 585	0.01	0.06	0.001
V 586	0.01	0.06	0.001
V 587	0.01	0.04	0.001
V 588	0.01	0.02	0.001
V 589	0.01	0.04	0.001
V 590	0.01	0.42	0.005
V 591	0.01	2.52	0.007

Certified by R. Rossbacher

Rossbacher Laboratory Ltd.
GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910
AREA CODE: 604

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 81342

INVOICE NO. 1417

DATE RECEIVED

DATE ANALYSED Aug 28, 1981

TO: NORTH AIR MINES LTD.
1450-625 Howe St.
Vancouver, B.C.

ATTN: 412-07 NRM- Roy Wares

SAMPLE NO.:	% WO_3	oz/T Au
3278	6.88	0.027
3279	2.00	0.008
3285	0.01	0.001
3287	8.00	0.008
3288	2.48	0.002
3293	0.60	0.005
3301	0.22	0.001
3302	0.08	0.001
3303	0.11	0.001
3307	0.01	0.001
3309	0.16	0.001
3312	0.01	0.001

Certified by F. Rossbacher

CHEMEX

CALGARY 2021 - 41 AVE. N.E. CALGARY, CANADA T2E 6P2
TELEPHONE (403) 276-9627 TELEX 038-25541
EDMONTON 6112 DAVIES ROAD, EDMONTON, CANADA T6E 4M9
TELEPHONE (403) 465-9877 TELEX 037-41596

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

NORTHAIR MINES — DATE JULY 27/81

ROCK ASSAYS PROJECT 412-07NRM — PROJECT NO. 0691-1-4497

LOCATION	PB PPM	ZN PPM	W PPM	AU PPB
3001	6	93	20	<10
3002	10	118	<2	<10
3003	10	105	<2	<10
3004	16	133	<2	<10
3005	6	73	<2	<10
3006	6	95	<2	<10
3007	19	51	<2	<10
3008	8	88	<2	<10
3009	12	80	<2	<10
3010	95	227	2760	224
3011	4	58	<2	<10
3012	6	112	<2	<10
3013	3	118	<2	<10
3014	4	71	<2	<10
3015	4	101	<2	<10
3016	2	130	<2	<10
3017	4	139	<2	<10
3018	6	128	<2	<10
3019	6	101	<2	<10
3020	6	97	<2	<10
3021	10	83	<2	<10
3022	8	78	<2	<10
3023	7	100	<2	<10
3024	5	84	<2	<10
3025	6	126	<2	<10
3026	8	66	<2	<10
3027	8	81	<2	<10
3028	8	117	<2	<10
3029	4	98	<2	<10
3030	2	92	<2	<10
3031	6	87	<2	<10
3032	5	94	<2	<10
3033	4	73	<2	<10
3034	9	72	<2	<10
3035	7	113	<2	<10
3036	7	102	<2	<10
3037	7	77	<2	<10
3038	8	121	<2	<10
3039	9	133	<2	<10

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by ..... Hawley .....

CHEMEX

CALGARY 2021 - 41 AVE. N.E. CALGARY, CANADA T2E 6P2
TELEPHONE (403) 276-9627 TELEX 038-25541
EDMONTON 6112 DAVIES ROAD, EDMONTON, CANADA T6E 4M9
TELEPHONE (403) 465-9877 TELEX 037-41596

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

NORTHAIR MINES

DATE JULY 27/81

ROCK ASSAYS PROJECT 412-07NRM

PROJECT NO. 0691-1-4497

LOCATION	PB PPM	ZN PPM	W PPM	AU PPB
3040	10	141	<2	<10
3041	7	117	<2	<10
3042	9	137	<2	<10
3043	13	103	<2	<10
3044	13	93	<2	<10

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by .....

CHEMEX

CALGARY 2021 - 41 AVE. N.E. CALGARY, CANADA T2E 6P2
TELEPHONE (403) 276-9627 TELEX 038-25541
EDMONTON 6112 DAVIES ROAD, EDMONTON, CANADA T6E 4M9
TELEPHONE (403) 465-9877 TELEX 037-41596

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

NOTHAIR MINES

DATE JULY 28/81

ROCK ASSAYS PROJECT 412-07-NRM

PROJECT NO. 0691-1-4528

LOCATION	AG OZ/TON	CU %	WO_3 %	AU OZ/TON
3307	<0.01	<0.01	0.060	<0.003
3308	<0.01	<0.01	0.020	<0.003
3309	<0.01	<0.01	0.180	<0.003
3310	<0.01	0.050	0.110	<0.003
3311	<0.01	0.018	0.080	<0.003
3312	<0.01	<0.01	0.030	<0.003
3313	<0.01	<0.01	0.020	0.006
3314	<0.01	<0.01	<0.010	<0.003
3315	<0.01	<0.01	<0.010	<0.003
3316	<0.01	<0.01	<0.01	<0.003
3317	<0.01	<0.01	<0.01	<0.003
3318	<0.01	<0.01	0.020	<0.003
3319	<0.01	<0.01	<0.01	<0.003
3320	<0.01	<0.01	0.030	<0.003
3321	<0.01	<0.01	0.020	<0.003
3322	<0.01	<0.01	<0.01	<0.003
3323	<0.01	<0.01	<0.01	<0.003
3324	<0.01	<0.01	<0.01	<0.003
3325	<0.01	<0.01	<0.01	<0.003

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by .....

CHEMEX

CALGARY 2021 - 41 AVE. N.E. CALGARY, CANADA T2E 6P2
TELEPHONE (403) 276-9627 TELEX 038-25541
EDMONTON 6112 DAVIES ROAD, EDMONTON, CANADA T6E 4M9
TELEPHONE (403) 465-9877 TELEX 037-41596

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

NORTHAIR MINES LTD. DATE AUG. 26/81

PROJECT 412-07-NRM PROJECT NO. 0691-1-4772

LOCATION	WO3 %	CU %	PB %	ZN %	AU OZ/TON	AG OZ/TON
3101	<0.01				<0.003	<0.01
3102	0.02				<0.003	<0.01
3103	0.15				<0.003	<0.01
3104	0.18				<0.003	<0.01
3105	<0.01				<0.003	<0.01
3106	<0.01				<0.003	<0.01
3107	<0.01				<0.003	<0.01
3108	0.03				<0.003	<0.01
3109	0.03				<0.003	<0.01
3110	0.02				<0.003	<0.01
3111	<0.01				<0.003	<0.01
3112	0.01				<0.003	<0.01
3113	<0.01				<0.003	<0.01
3114	0.07	<0.01	<0.01	0.010	<0.003	<0.01
3115	0.05	<0.01	<0.01	0.010	<0.003	<0.01
3116	0.06	<0.01	<0.01	0.010	<0.003	<0.01
3117	0.03	<0.01	<0.01	<0.01	<0.003	<0.01
3118	0.03	<0.01	<0.01	<0.01	<0.003	<0.01
3119	0.10	<0.01	<0.01	<0.01	<0.003	<0.01
3120	0.11				<0.003	<0.01
3121	0.03	<0.01			<0.003	<0.01
3122	0.06	<0.01			<0.003	<0.01
3123	0.08	<0.01			<0.003	<0.01
3124	0.03				<0.003	<0.01
3125	0.05				<0.003	<0.01
3326	<0.01	<0.01	<0.01	0.051	<0.003	<0.01
3327	<0.01	<0.01	<0.01	<0.01	<0.003	<0.01
3328	0.01		<0.01	<0.01	<0.003	<0.01
3329	<0.01		<0.01	<0.01	<0.003	<0.01
3330	0.06		<0.01	0.011	<0.003	<0.01
3331	<0.01		<0.01	<0.01	<0.003	<0.01
3332	0.16		<0.01	0.010	<0.003	<0.01
3333	0.03				<0.003	<0.01

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by ..... Andrew Kwat
for G.S.

CHEMEX

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EDMONTON 6112 DAVIES ROAD, EDMONTON, CANADA T6E 4M9
TELEPHONE (403) 465-9877 TELEX 037-41596

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

NORTHAIR MINES

DATE JULY 10, 1981

PROJECT NO. 0691-1-4406

LOCATION	CU%	AN OZ/TON	AG OZ/TON	WO_5%	SPECIFIC GRAVITY
3276	<.01	0.007	0.020	2.99	2.50
3277	.027	0.009	<0.01	1.98	3.33
3278	.027	0.022	0.020	10.46	4.00
3279	.015	0.007	<0.01	3.53	3.33
3280	<0.01	0.005	<0.01	0.037	2.50
3281	.010	0.006	<0.01	1.83	2.50
3282	.037	0.027	<0.01	<0.01	2.50
3283	<0.01	0.005	<0.01	0.20	3.33

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by .....

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CALGARY 2021 - 41 AVE. N.E. CALGARY, CANADA T2E 6P2
TELEPHONE (403) 276-9627 TELEX 038-25541
EDMONTON 6112 DAVIES ROAD, EDMONTON, CANADA T6E 4M9
TELEPHONE (403) 465-9877 TELEX 037-41596

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

DATE JULY 21/81

NORTHAIR MINES LTD.

PROJECT NO. 0691-1-4423

ROCK ASSAY PROJECT 412-07-NRM

LOCATION	AG OZ/TON	AU OZ/TON	WO3 %	CU %
3284	0.08	<0.003	<0.01	0.041
3285	0.06	<0.003	<0.01	0.014
3286	0.03	<0.003	0.59	<0.01
3287	0.07	0.007	9.08	0.018
3288	0.04	0.003	3.15	<0.01
3289	0.04	<0.003	<0.01	<0.01
3290	0.10	0.004	0.33	<0.01
3291	0.04	<0.003	0.17	0.012
3292	0.06	0.003	<0.01	0.031
3293	0.09	0.004	0.79	0.020
3294	0.03	<0.003	0.07	<0.01
3295	0.06	0.007	3.15	<0.01

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by .....

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EDMONTON 6112 DAVIES ROAD, EDMONTON, CANADA T6E 4M9
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CERTIFICATE OF ANALYSIS

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NORTHAIR MINES

DATE JULY 28/81

ROCK ASSAY

PROJECT NO. 0691-1-4484

LOCATION	CU %	AG OZ/TON	WO_3 %	AU OZ/TON
3301	0.015	0.05	0.31	<0.003
3302	0.010	0.04	0.09	<0.003
3303	0.017	0.04	0.11	<0.003
3304	<0.01	0.03	<0.01	<0.003
3305	<0.01	0.02	<0.01	<0.003
3306	<0.01	0.02	<0.01	<0.003

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by .....

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CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

NORTHAIR MINES LTD.

DATE AUG. 17/81

PROJECT NO. 0691-1-4583

SAMPLE NUMBER	AU OZ/TON	AG OZ/TON	WO3 %
3051	<0.003	<0.01	0.03
3052	<0.003	<0.01	0.02
3053	<0.003	<0.01	<0.01
3054	<0.003	<0.01	<0.01
3055	<0.003	<0.01	0.19
3056	<0.003	<0.01	0.05
3057	<0.003	<0.01	0.02
3058	<0.003	<0.01	0.013
3073	<0.003	<0.01	0.015
3074	<0.003	<0.01	0.013
3075	<0.003	<0.01	0.013
3076	<0.003	<0.01	0.031
3077	<0.003	<0.01	0.044
3086	<0.003	<0.01	0.30
3087	<0.003	<0.01	<0.01
3088	<0.003	<0.01	0.013
3089	<0.003	<0.01	0.037
3090	<0.003	<0.01	0.026
3091	<0.003	<0.01	<0.01
3092	<0.003	<0.01	<0.01
3093	<0.003	<0.01	0.022
3094	<0.003	<0.01	0.044
3095	<0.003	<0.01	0.05
3096	<0.003	<0.01	0.08
3097	<0.003	<0.01	0.14
3098	<0.003	<0.01	0.25
3126	<0.003	<0.01	
3127	<0.003	<0.01	
3128	<0.003	<0.01	
3129	<0.003	<0.01	

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by .....

CHEMEX

CALGARY 2021 - 41 AVE. N.E. CALGARY, CANADA T2E 6P2
TELEPHONE (403) 276-9627 TELEX 038-25541
EDMONTON 6112 DAVIES ROAD, EDMONTON, CANADA T6E 4M9
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CERTIFICATE OF ANALYSIS

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NORTHAIR MINES LTD.

DATE AUG. 17/81

GEOCHEM ANALYSES

PROJECT NO. 0691-1-4583

LOCATION	CU PPM	PB PPM	ZN PPM	AU PPB	W PPM
3045				<10	<2
3046		5	68	<10	<2
3047		11	109	<10	<2
3048				<10	<2
3049				<10	<2
3050		20	274	<10	<2
3059	40			<10	<2
3060	46			<10	<2
3061	36			<10	<2
3062	24			<10	<2
3063	40			<10	<2
3064	44			<10	<2
3065	50			<10	<2
3066	39			<10	<2
3067	37			<10	<2
3068	48			<10	<2
3069	35			<10	<2
3070	22			<10	<2
3071	37			<10	<2
3072	54			<10	<2
3079	114			<10	<2
3080	71			<10	<2
3081	69			<10	<2
3082	19			<10	<2
3083	23			<10	<2
3084	27			<10	<2
3085	44			<10	<2

ASSAYS	CU %	PB %	ZN %	AU OZ/TON	AG OZ/TON
3126	0.035	<0.01	<0.01	<0.013 (0.01)	<0.01
3127	<0.01	<0.01	<0.01	<0.013 (0.01)	<0.01
3128	0.011	<0.01	<0.01	<0.003	<0.01
3129	<0.01	<0.01	<0.01	<0.003	<0.01

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by .....

STATEMENT OF QUALIFICATIONS

I, Roy Wares, with business address in the City of Vancouver, in the Province of B.C.
DO HEREBY CERTIFY THAT:

1. I am a graduate of the University of Aberdeen, with a B.Sc (Hons) degree in Geology and Queen's University, Kingston, Ontario, with a degree of M.Sc. in Geology.
2. At the time the work herein described, was performed, I was an Engineer-in-training with the Association of Professional Engineers of British Columbia.
3. I have practiced various levels in my profession in Canada for approximately eighteen years.
4. I am presently employed by Northair Mines and did personally conduct the programme described in this report.

R. Wares

Roy Wares

Dated at the City of Vancouver,
In the Province of British Columbia,
This 17th day of February 1982.

STATEMENT OF QUALIFICATIONS

I, Fred G. Hewett, with business address in the City of Vancouver, and residential address in the District of Coquitlam, in the Province of British Columbia,
DO HEREBY CERTIFY THAT:

1. I am a graduate of the University of British Columbia with a Bachelor of Science Degree in Geology.
2. I am a registered member of the Association of Professional Engineers of the Province of British Columbia.
3. I am a member of the Canadian Institute of Mining & Metallurgy, a fellow of the Geological Association of Canada, and member of the Society of Economic Geologist.
4. I have practiced various levels of my profession in Canada for approximately fifteen years.
5. I am presently employed by Northair Mines Ltd., and did personally supervise the work described in this report.

Fred G. Hewett.

Fred G. Hewett, P. Eng.

Dated at the City of Vancouver,
In the Province of British Columbia,
This 17th day of February, 1982.

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-1-81

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-45°	

Hole No. T-81-1 **Sheet No.** 1
Section
Date Begun 25/6/81
Date Finished 27/6/81
Date Logged 29/6/81

Lat. 50233.83N
Dep. 49926.91E
Bearing 121°
Elev. Collar 644.59m

Total Depth 74.89m
Logged By R.Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION
0	5.49m		Casing
5.49	7.92m		Blocky, broken, somewhat oxidized silicified
			limestone, broken quartz vein at 7.62 to 7.92m,
			1% f.gr., disseminated pyrite, banding 1mm to
			4mm at 70° to CA.
7.92	9.91m		Transition to medium to light gray, silicified
			limestone, laminated, with diopsidegarnet,
			and small 2mm scattered quartz stringers; 1/2 to
			1cm small scale banding at 70° to core axis;
			1% f.gr. pyrrhotite present.
9.91	13.4m		Dark grey, laminated, limestone, variably
			silicified and laminated; banding 60° to CA,
			1% fine grained po. present, traces magnetite
			in bands 1mm wide.
13.41	17.22m		Mineralized zone with banded 10 to 15cm
			scheelite rich zones; 7% po. present, somewhat
			silicified 14.32 to 14.94m, 3 to5% scheelite
			over whole zone, strongly magnetic; 3cm quartz
			veins with po. blebs, 16.62; garnet becoming
			prominent at 16.92 to 17.22m.

SAMPLE #	FROM	TO	WIDTH OF SAMPLE	W (ppm)	Au. (ppb)	Pb. (ppm)	Zn. (ppm)
ROCK GEOCHEMISTRY							
3007	7.92	9.45	1.52 m	< 2	< 10	19	51
3008	9.45	10.97	1.52 m	< 2	< 10	8	88
3009	10.97	12.50	1.53 m	< 2	< 10	12	90
3010	12.50	14.02	1.52 m	2760	< 10	95	227
ASSAYS				$\%WO_3$	Au (oz/T)	Ag (oz/T)	S.G.
3282	13.51	14.03	0.52 m	0.01	0.027	0.01	2.50
3281	14.03	14.53	0.50 m	1.83	0.006	0.01	2.50
3280	14.53	15.04	0.51 m	0.037	0.005	0.01	2.50
3279	15.04	15.54	0.50 m	3.53	0.007	0.01	3.33
3278	15.54	16.05	0.51 m	10.46	0.022	0.020	4.00
3277	26.05	16.56	0.51 m	1.98	0.069	0.01	3.33
3276	16.56	17.07	0.51 m	2.99	0.007	0.020	2.50
3283	17.07	17.57	0.50 m	0.20	0.005	0.01	3.33
ROCK GEOCHEMISTRY				W (ppm)	Au (ppb)	Pb (ppm)	Zn (ppm)
3011	17.37	18.90	1.53 m	< 2	< 10	4	58
3012	18.90	20.12	1.22 m	< 2	< 10	6	112
3013	20.12	21.64	1.52 m	< 2	< 10	3	118

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-1-81

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. _____ Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	W (ppm)	Au. ppb)	Pb. (ppm)	Zn. (ppm)
17.22	18.59m		Prominent, pale cream to buff, banded garnet	ROCK GEOCHEMISTRY							
			diopside skarn unit with some diopside, some	3014	21.64	23.17	1.51m	<2	<10	4	71
			weak banding at 50° to ca.	3015	23.17	24.69	1.52m	<2	<10	4	101
18.59	21.03m		Dark grey fine grained, finely laminated	3016	24.69	26.21	1.53m	<2	<10	2	130
			muscovite-chlorite schist, with 1%	3017	26.21	27.74	1.53m	<2	<10	4	139
			marcasite along joints. Slightly graphitic.	3018	27.74	29.26	1.52m	<2	<10	6	128
21.03	26.52m		Dark medium grey, fine grained quartz-biotite	3019	29.26	30.78	1.52m	<3	<10	6	101
			schist, with pale cream calcareous dolomite	3020	30.78	32.31	1.53m	<2	<10	6	97
			at 25.3 to 26.6m, graphitic from 23.17 to 23.9m,	3021	32.31	33.83	1.52m	<2	<10	10	83
			marcaside along joint planes.	3022	33.83	35.36	1.53m	<2	<10	8	78
26.52	37.49m		Dark grey, fine grained, biotite-quartz-schist,	3023	35.36	36.88	1.52m	<2	<10	7	100
			2% fine grained pyrite, marcasite along joint	3024	36.88	38.40	1.52m	<2	<10	5	84
			planes; becoming more graphitic in nature,	3005	38.40	39.93	1.53m	<2	<10	6	73
			schistosity at 60° to core axis, core blocky	3004	39.93	41.45	1.52m	<2	<10	16	133
			and broken, from 31.2m to 35.1m, with some quartz	3003	41.45	42.98	1.53m	<2	<10	10	105
			veining 2cm wide, core broken from 36.5m to	3025	42.98	44.50	1.52m	<2	<10	6	126
			37.2m.	3026	44.50	46.02	1.52m	<2	<10	8	66
				3027	46.02	47.55	1.53m	<2	<10	8	81

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-1-81

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. _____ Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
37.49	38.40m		Strongly graphitic unit, grading back to unit as above.				
38.40	45.11m		Quartz-muscovite, schist, finely schistose with graphtic section prominent at 40.85 to 42.02m. 2% fine grained pyrite present.				
45.11	45.42m		Pegmatite coarse muscovite present, slightly calcareous near inclusion.				
45.42	47.24m		Finely banded, partly graphitic quartz-muscovite schist, medium to dark green, finely crenulated; thin graphitic partings present; 2% fine grained pyrite present; 47.70 broken pegmatite dyke.				
47.24	49.07m		Quartz- muscovite schists, as above.				
49.07	50.06m		Broken zone 50% recovery, quartz-muscovite schists as above.				
50.06	51.21m		Strongly graphitic schist.				
51.21	57.00m		Medium to dark grey/buff, massive finely laminated quartz-biotite-schist, partly graphitic at 53.9 to 55.1m.				
51.21	62.18m		Dark grey, graphitic schist, cleavage at 75° to CA.				

R. Woods

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-1-81

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. _____ Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
62.18	62.79m		Pale grey, clay gouge, probably an altered sericitic unit.				
62.79	64.92m		Dark grey, graphitic unit, with 1 to 2% fine grained pyrite, becoming paler grey from 63.1m.				
64.92	70.41		Medium grey sericite-biotite schist, with some graphitic partings; darker and more graphitic from 67.3 to 69.5m.				
70.41	74.98m		Unit changes to quartz-biotite-sericite schist, with some vague quartz pods and lenses; cleavage at 70° to core axis, core broken at 70.4 to 71.5m.				
			74.98m, End of Hole				

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-2

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-2 Sheet No. 1 of 3
Section
Date Begun 27/6/81
Date Finished 29/6/81
Date Logged

Lat. 50234.38N
Dep. 49925.87E
Bearing
Elev. Collar 644.59 m

Total Depth 50.90 m.
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO_3	Ag. oz/T	Au. oz/T.	Cu.%
0	3.66		Casing								
3.66	11.88	95	Dark grey, banded, silicified limestone, with								
			1cm scale banding at 60° to CA; occasionally								
			mottled in appearance, core blocky 3.8-5.9m,	582V	11.28	11.78	0.50m	0.04	0.04		
			3cm quartz vein at 6.55m, fine grained magnetite	583V	12.80	13.31	0.51m	0.01	0.02		
			present.	584V	13.31	13.71	0.41m	0.01	0.04		
11.88	13.87		Gradational change to palor grey silicified car-	3284	13.71	14.12	0.41m	0.01	0.08	<0.003	0.041
			bonate, banding at 40° to CA, but becoming	3285	14.12	14.63	0.51m	0.01	0.06	<0.003	0.014
			mottled in appearance; possible ptygmatic folds.	3286	14.63	15.14	0.51m	0.59	0.03	<0.003	0.01
13.87	14.17		Quartz vein with heavy po. (10%).	3287	15.14	15.65	0.51m	9.08	0.07	0.007	0.018
14.17	16.61		Skarn, mineralised zone with garnet, diopside	3288	15.65	16.15	0.50m	3.15	0.02	<0.003	0.01
			idocrase (?), variable po (1-4%), 14.6-15.9m,	3289	16.15	16.66	0.51m	0.01	0.04	<0.003	0.01
			2cm bands of scheelite, (estimated grade 1.8%								
			WO_2), occasional coarse clots of scheelite pre-								
			sent, some fine grained scheelite present else-								
			where in the section.								
16.61	26.06	95	Dark grey/green, variable schistose quartz -								
			chlorite - sericite schist, with occasional po								
			and marcasite along cleavage planes; cl. at								
			40° to CA; core blocky 20.4-20.5m, with 6cm								
			quartz vein (barren) at 18.9m, thin quartz ribs								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-2

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 2 of 3 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE				
			present, but widely scattered.								
26.06	28.04	90%	Pale grey, fine grained, siliceous replacement								
			zone with some sericite present, contacts bro-								
			ken, diffuse chloritic zones present.								
28.04	29.72		Dark grey/green, quartz-biotite-sericite schist								
			with graphitic slips and partings, especially								
			graphitic at 28.9-29.3m; isolated 2cm quartz								
			pods at 29.3-39.9m.								
29.72	41.30	95%	Medium grey/green, chlorite-sericite-quartz								
			schist, phyllite, with an increase in graphitic								
			partings at 34.2-36.9m (core broken); schisto-								
			sity at 40° to CA; 15cm quartz-muscovite pegma-								
			tite at 32.16m, quartz vein at 38.7-38.4m,								
			(no sulphides), graphitic partings prominent at								
			39.1-40.7m, graphitic slip (.11cm) at 41.3m.								
41.30	46.33		Gray/cream, occasionally blotchy, siliceous re-								
			placement zone, with white quartz veins at 43.6-								
			44.2m, 42.8-43.4m; sericite and chlorite occa-								
			sionally present, 5cm. quartz vein with po.								
			blebs at 45.52m.								

R. Warren

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-2

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 3 of 3 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
46.33	50.90	97%	Dark grey, graphite-sericite-quartz schist with				
			cl. at 55° to CA, graphitic partings prominent,				
			2% marcasite present, core broken from 50.14-				
			50.9m, blocky and broken core from 46.32-47.85m.				
			50.90m, End of Hole.				

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-3

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-70°	

Hole No. T-81-3 Sheet No. 1 of 2
Section
Date Begun 29/6/81
Date Finished 30/6/81
Date Logged 3/7/81

Lat. 50234.56 N
Dep. 49925.54 E
Bearing 121°
Elev. Collar 644.46 m.

Total Depth 25.91m
Logged By R.Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO_3	Ag. Oz/T	Au. Oz/T	Cu.%
0	3.66		Casing.								
3.66	11.28		Medium to dark grey, argillaceous limestone;								
			banding at 70° to CA, with 4mm-2cm. argillaceous								
			banding; thin quartz (1cm) ribs occasionally pre-								
			sent; 10.06-10.52m core broken.								
11.28	12.65		Change to pale cream/grey, banded and mottled	587V	11.68	12.19	0.51m	0.01	0.04		
			silicified limestone; banding at 70° to CA.	3295	12.19	12.70	0.51m	3.15	0.06	0.007	0.01
12.65	14.78		Silicified zone, with garnet, idocrase (?) skarn,	3290	12.70	13.21	0.51m	0.33	0.10	0.004	0.01
			silicified with 5% po. present; streaks and	3291	13.21	13.72	0.51m	0.17	0.04	<0.003	0.012
			spots of scheelite present in 5cm. zones, but	3292	13.72	14.22	0.50m	0.01	0.06	0.003	0.031
			widely scattered; 13.56-14.02m quartz breccia	3293	14.22	14.78	0.56m	0.79	0.09	0.004	0.026
			with po. and pyrite matrix, (po:py, 6:1).	3294	14.78	15.29	0.51m	0.07	0.03	0.003	0.01
14.78	17.67		Blocky and broken, silicified zone; mottled and								
			occasionally banded texture present.								
17.67	20.42		Dark grey, biotite-quartz phyllite, with 6cm.								
			quartz vein at 19.35m.								
20.42	24.38		Mottled, pale grey, siliceous zone with core								
			blocky and broken, less than 1% fine grained								
			pyrite present.								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-3

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-3 Sheet No. 2 of 2
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE				
24.38	25.91		Variably silicified zone with quartz-biotite								
			schist; clay gouge at 25.15m; 1% pyrite present.								
			25.91m, End of Hole.								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-4

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-4 Sheet No. 1 of 2
Section
Date Begun 30/6/81
Date Finished 2/7/81
Date Logged 5/7/81

Lat. 50255.76 N
Dep. 49943.21 E
Bearing
Elev. Collar 645.52 m/

Total Depth 93.57m
Logged By R. Wares
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO_3	Ag. (Oz/T)	Au. (Oz/T)	Cu.%
0	3.66		Casing.								
3.66	6.71	90%	Medium grey, extensively broken and blocky core;								
			largely a silicified zone.								
6.71	9.14	85%	Pale grey/cream, blotchy silicified zone, dis-								
			tinctly mottled in appearance; core blocky and								
			broken.								
9.14	15.85	95%	Medium grey/green, laminated to banded quartz-								
			biotite schist; partly graphitic at 14.63-15.1m;								
			some irregular quartz veins at 12.80-13.41m;								
			blebs of py. in quartz veings; banding at 40° to								
			CA.								
15.85	17.98	80%	Quartz-graphite schist,1% macasite along slips;	588V	30.33	30.94	0.51m	0.01	0.02		
			core somewhat broken.	589V	30.94	31.55	0.61m	0.01	0.04		
17.98	18.90	50%	Chlorite-graphite schist; core broken.	590V	31.55	32.06	0.51m	0.01	0.42		
18.90	30.17	98%	Grey, banded to schistose, calcareous limestone-	591V	32.06	32.61	0.55m	0.01	2.52		
			dolomite (?); schistosity generally at 45° to CA								
			but variable from 10-90°; darker argillaceous								
			unit from 24.08-24.99m.								
30.17	33.32	98%	Marker garnet skarn unit, strongly calcareous;								
			no sign of scheelite; banded at 40° to CA.								
33.32	36.27		Dark grey, argillaceous, chlorite-graphite-quartz								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-4

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-4 Sheet No. 2 of 2
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
			schist; schistosity generally at 40° to CA, but				
			variable from 30-60°.				
36.27	39.01		Dark to medium-grey, chlorite-graphite schist,				
			esp. graphitic at 38.1-38.9m, some 3cm. quartz				
			ribs present.				
39.01	43.59		Medium grey, quartz-biotite-sericite schist with				
			1% pyrite.				
43.59	66.14	95%	Medium to dark grey, quartz-chlorite-biotite-				
			graphite schist with quartz injection, particu-				
			larly marked from 48.46-49.9m; cl. at 40° to CA;				
			45cm. quartz muscovite pegmatite at 50.3-50.75m;				
			less than 1% sulphide in this zone.				
66.14	70.41	60%	Transition to markedly graphitic zone, with poor				
			core recovery.				
70.41	93.57		Medium grey, quartz-seracite-biotite schist with				
			occasional graphitic partings; 3% py. and po. in				
			zone from 70.71-78.33m; cl. at 40° to CA; becom-				
			ing more talcose in character from 87.48m onward;				
			more biotite rich sections at 84.12-87.47m.				
			93.57m, End of hole.				

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-5 Sheet No. 1 of 2
Section
Date Begun 3/7/81
Date Finished 6/7/81
Date Logged 6/7/81, 8/7/81

Lat. 50153.20N
Dep. 49950.50E
Bearing
Elev. Collar 641.51

Total Depth 74.37m
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	W (ppm)	Au (ppb)	Pb (ppm)	Zm (ppm)
0	16.15		Tricone and casing to 16.15m; extensive graphitic								
			material and broken core in casing recovery;								
			bedrock from 7.6 onwards but no core recovered.	3036	16.15	17.68	1.53m	< 2	<10	7	102
16.15	17.68		Dark grey, banded graphite-schist with subordi-	3037	17.68	19.20	1.52m	< 2	<10	7	77
			nate chlorite; some fine grained pyrite present	3038	19.20	20.73	1.53m	< 2	<10	8	121
			(less than 1%).	3039	20.73	22.25	1.52m	< 2	<10	9	133
17.68	18.90		Variably banded quartz-graphite schist and musco-	3040	22.25	23.77	1.52m	< 2	<10	10	141
			vite-quartz schist; banding at 60° to CA.	3041	23.77	25.30	1.53m	< 2	<10	7	117
18.90	28.04	95%	Cream to grey, banded muscovite-chlorite schist;	3042	25.30	26.82	1.52m	<2	<10	9	137
			mottled appearance; banding variable but general-								
			ly at 50° to CA.								
28.04	28.29		Pegmatite.								
28.29	32.31		Gradation to dark grey, chlorite-graphite quartz								
			schist; cl. at 65° to CA.								
32.31	41.45	95%	Transition back to chlorite-muscovite schist;								
			with chlorite-graphite partings; 37.19m-39.32m								
			quartz injection zone; graphitic shear at 30° to								
			CA at 36.73m; core becoming slightly creamier								
			in colour from 38.1m onward.								
41.45	66.14	95%	Transition to quartz-biotite schist; schistosity								
			generally at 45-60° to CA; irregular pegmatite								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-5

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-5 Sheet No. 2 of 2 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE				
			and quartz injection zones frequent from 43.28-								
			44.81m, 46.32-48.46m, 48.92-49.23m, 49.37-								
			49.98m, 50.60-50.90m, 51.51-52.12m, 52.73-								
			53.12m, and 57.0-57.4m; thin quartz ribs at								
			58.52-59.13m; core becomes platy and mylonitic								
			(?) at 62.48-66.14m.								
66.14	74.37		Transition to grey/cream, massive to occasionally								
			laminated quartzite; 1-2% sulphide present,								
			generally pyrite with traces po.								
			74.37m, End of Hole.								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-6

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-45°	

Hole No. T-81-6 **Sheet No.** 1 of 1
Section
Date Begun 7/7/81
Date Finished 7/7/81
Date Logged 8/7/81

Lat. 50017.64N
Dep. 49959.47E
Bearing 0°
Elev. Collar 642 m.

Total Depth 25.60m
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	WO_3%	Au	Ag	Cu %
0	3.66		Casing.								
3.66	6.01	40%	Greyish, banded, skarn unit; silicified with some								
			fine grained po. present; banding at 70° to CA.								
6.01	7.32		Variably banded skarn unit with garnet, diopside,	3301	6.15	6.65	0.5 m	0.31	0.003	0.05	0.015
			idocrase (?); heavy po. from 6.40-6.70m; 7.01-	3302	6.65	7.16	0.51m	0.09	0.003	0.04	0.010
			7.32m, in silicified unit, with 10% po. present;	3303	7.16	7.67	0.51m	0.11	0.003	0.04	0.017
			variable scheelite mineralisation present in fine	3304	7.67	8.18	0.51m	0.01	0.003	0.03	0.01
			2cm. bands, widely scattered and occasionally as	3305	8.18	8.69	0.51m	0.01	0.003	0.02	0.01
			coarse 1cm. crystals, partly along cleavage	3306	8.69	8.99	0.20m	0.01	0.003	0.02	0.01
			planes; 2cm. quartz vein with po. and trace	ROCK GEOCHEMISTRY				W (ppm)	Au_3 (ppb)	Pb (ppm)	Zn (ppm)
			cpy. at 7.25m.	3043	17.07	18.59	1.52m	< 2	< 10	13	103
7.32	9.45	95%	Dark grey, quartz-biotite-sericite schist with a	3044	18.59	20.12	1.53m	< 2	< 10	13	93
			small amount of fine grained graphite present;								
			cl. at 50-70° to CA; 3% fine grained pyrite								
			present.								
9.45	23.17	70%	Quartz-graphite-chlorite schist, extensively								
			broken and blocky, becoming more graphitic from								
			12.19m onwards; 3% fine grained pyrite present;								
			18.59-18.89m quartz vein present.								
23.17	25.60	5%	Core and circulation lost, hole abandoned.								
			25.60m, End of Hole.								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-7

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-7 Sheet No. 1 of 3
Section
Date Begun 8/7/81
Date Finished 14/7/81
Date Logged 11/7/81

Lat. 50013 N
Dep. 49958 E
Bearing
Elev. Collar 642m

Total Depth 82.60m
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	WO_3	Au	Ag	Cu
0	3.66		Casing								
3.66	5.49	90%	Greyish, banded skarn unit; banding at 70° to CA;	Assays							
			1% fine grained po. present.	3307	4.47	4.98	0.51m	0.06	0.003	0.01	0.01
5.49	7.32		Transition into zone with banded po. and calc	3308	4.98	5.49	0.51m	0.02	0.003	0.01	0.01
			silicate; banding at 60-75° to CA, with po.	3309	5.49	5.99	0.50m	0.180	0.003	0.01	0.01
			bands up to 1cm. wide, more rarely 2cm. wide;	3310	5.99	6.50	0.51m	0.110	0.003	0.01	0.050
			matrix siliceous but with associated carbonate	3311	6.50	7.11	0.61m	0.080	0.003	0.01	0.018
			present; 1% scheelite present as coarse and	3312	7.11	7.62	0.51m	0.030	0.003	0.01	0.01
			banded crystals.	3313	7.62	8.23	0.61m	0.020	0.006	0.01	0.01
7.32	7.77		Quartz-muscovite schist; evidence of some fold-	Rock Geochemistry				Wppm		Pb	Zn
			ing present; schistosity at 30° to CA.	3045	12.19	13.72	1.53m	< 2	< 10	-	-
7.77	14.78	97%	Dark grey, chlorite-muscovite-quartz schist,	3046	13.72	15.24	1.52m	< 2	< 10	5	68
			with minor graphite; finally laminated and cre-	3047	15.29	16.76	1.52m	< 2	< 10	11	169
			nulated with 3% fine grained pyrite and trace	3048	16.76	18.29	1.53m	< 2	< 10	-	-
			cpy.; sulphides form occasional thin 2mm. bands.	3049	18.29	19.81	1.53m	< 2	< 10	-	-
14.78	15.54	90%	Graphite-chlorite schist; 2% fine grained pyrite	3050	19.81	21.34	1.53m	< 2	< 10	20	274
			present.	Assays							
15.54	23.47	40%	Broken zone with intermixed graphite schist and	3314	8.23	8.66	0.43m	0.010	0.003	0.01	0.01
			quartz-chlorite-graphite schist.	3315	8.66	9.20	0.54m	0.010	0.003	0.01	0.01
23.47	29.26	85%	Graphite-quartz schist, somewhat broken with	3316	9.20	9.75	0.55m	0.01	0.003	0.01	0.01
			quartz veining at 26.29-26.82m; cl. at 30° to	3317	9.75	10.36	0.61m	0.01	0.003	0.01	0.01

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-7

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-7 Sheet No. 2 of 3 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	WO_3	Au	Ag	Cu
			CA; unit varies to graphite schist.	Assays							
29.26	30.78		Muscovite-quartz schist, with graphitic slips;	3318	10.36	10.97	0.61m	0.020	0.003	0.01	0.01
			cl. at 80° to CA; 1% fine grained pyrite pre-	3319	10.97	11.58	0.61m	0.01	0.003	0.01	0.01
			sent; strongly graphitic from 30.48-30.78m.	3320	11.58	12.19	0.61m	0.030	0.003	0.01	0.01
30.78	41.76	60%	Somewhat broken, muscovite-quartz schist, oxi-	ROCK GEOCHEMISTRY				W (ppm)	Au (ppb)	Cu (ppm)	
			dised and locally altered to a quartz-kaolinite	3079	21.33	22.86	1.53m	< 2	<10	114	
			schist; 1/2-1% fine grained pyrite present; oc-	3080	22.86	24.38	1.52m	< 2	<10	71	
			casional graphitic slips at 35° to CA.	3081	27.43	28.96	1.53m	< 2	<10	69	
41.76	61.87	90%	Muscovite-quartz schist, with the core somewhat								
			broken and oxidised; occasionally grading to								
			kaolinite to quartz schist; some chlorite pre-								
			sent; core particularly blocky from 47.85-50.29m;	3082	60.96	62.48	1.52m	< 2	< 10	19	
			some crenulation present but core generally at								
			55-60° to CA; core ground and broken from 60.66-								
			61.87m.								
61.87	64.31	80%	Broken, partly kaolinised pegmatite zone.								
64.31	73.46		Muscovite-chlorite-quartz schist with incipient	3083	68.88	70.41	1.52m	< 2	< 10	23	
			kaolinisation; some crenulation present but the	3084	70.41	71.93	1.52m	< 2	< 10	27	
			cleavage is generally at 70° to CA; some fine								
			grained cpy. along slips in the zone from 69.80-	3085	74.68	76.20	1.52m	< 2	< 10	44	
			71.32m; strongly kaolinised in the zone from								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-7

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-7 Sheet No. 3 of 3
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE				
			70.10-71.32m.								
73.46	75.59	90%	Quartz-kaolinite schist; core somewhat blocky								
			and broken.								
75.59	80.47	95%	Quartz-sericite-chlorite schist; somewhat								
			bleached and kaolinised, with cl. at 60° to CA.								
80.47	82.60		Broken, gouge section with some graphitic slips								
			present; somewhat kaolinised quartz-sericite								
			schist; 80.77-81.68m, clay gouge.								
			82.60m, End of Hole.								

R. Warner

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-8

DIP TEST		
	Angle	
Footage	Reading	Corrected
	-90°	

Hole No. T-81-8 Sheet No. 1 of 2
Section
Date Begun 11/7/81
Date Finished 12/7/81
Date Logged 13/7/81

Lat. 49986 N
Dep. 49967 E
Bearing
Elev. Collar 646m.

Total Depth 41.45m
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	% WO_3	Au oz/T	Ag oz/T	% Cu
0	3.66		Casing.								
3.66	9.75	60%	Grey, fine grained, banded skarn unit with gar-	3321	3.96	5.18	1.22m	0.020	0.003	0.01	0.01
			net, diopside quartz calcite; banding vari-	3322	5.18	6.40	1.22m	0.01	0.003	0.01	0.01
			able at 25-70° to CA but generally 30-35°; 1%	3323	6.40	7.62	1.22m	0.01	0.003	0.01	0.01
			fine grained po. present.	3324	7.62	8.23	0.61m	0.01	0.003	0.01	0.01
9.75	20.42	70%	Quartz-muscovite-chlorite schist; core broken	3325	8.23	9.09	0.86m	0.01	0.003	0.01	0.01
			from 9.75-10.36m, 12.19-12.65m, 15.85-17.07m,								
			18.90-19.51m; cleavage/schistosity at 30° to CA								
			at 10.97m, at 70° to CA at 14.33m; broken core								
			somewhat oxidised; schistosity at 40° to CA at								
			18.90m; occasional minor graphite present, crenu-								
			lations at 15.85, with 2cm. barren quartz strin-								
			ger.								
20.42	22.86	5%	Poor core recovery in this zone, broken sludge								
			of graphitic material.								
22.86	25.91	45%	Extensively broken, graphite-chlorite schist;								
			1% fine grained pyrite present.								
25.91	31.09	90%	Somewhat broken quartz-sericite (muscovite)								
			schist, with 1% fine grained pyrite; cl. general-								
			ly at 40° to CA.								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-8

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-8 Sheet No. 2 of 2
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
31.09	32.92	90%	Quartz-biotite schist; cl. at 50° to CA; some-				
			what sericitised with graphitic gouge or				
			sheared zone from 32.77-32.92m.				
32.92	35.66	95%	Quartz-muscovite schist, with core somewhat				
			sericitised.				
35.66	41.45	95%	Chlorite-graphite-muscovite-quartz schists; core				
			somewhat blocky and broken; graphite in slips				
			and in bedded sections; trace pyrite present;				
			cl. at 20° to CA at 38.1m, but generally at				
			40-55° to CA.				
			41.45m, End of Hole.				

R. Ward

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-9

DIP TEST		
	Angle	
Footage	Reading	Corrected
	-90°	

Hole No. T-81-9 Sheet No. 1 of 3
Section
Date Begun 13/7/81
Date Finished 15/7/81
Date Logged 17/7/81

Lat. 52560 N
Dep. 49170 E
Bearing 122°
Elev. Collar

Total Depth 58.52m
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	WO_3	Au	Ag	
0	3.05		Casing.								
3.05	4.57		Blotchy, quartz-muscovite replacement zone.								
4.57	9.75	55%	Extensively broken and oxidised quartz-chlorite								
			schist; scattered quartz stringers present; cl.								
			at 60° to CA; core broken and jumbled.								
9.75	12.80	70%	Quartz-chlorite schist, cl. at 60° to CA.	ROCK GEOCHEMISTRY							
12.80	16.76		Dark grey, chlorite-quartz schist, plus graphite;	3059	16.16	17.68	1.52m	< 2	<10	40	
			scattered 1cm. quartz stringers; trace to 1%	3060	17.68	19.21	1.53m	< 2	<10	46	
			fine grained pyrite.	3061	19.21	20.75	1.52m	< 2	<10	36	
16.76	17.37		Skarn unit, garnet and diopside present in the	3062	20.73	21.24	1.51m	< 2	<10	24	
			skarn, no scheelite evident.	ASSAY							
17.37	17.68		Quartz-chlorite schist.	3051	21.23	21.74	0.50	0.03	0.003	0.01	
17.68	24.99	70%	Core extensively broken from 17.68-19.81m; garnet	3052	21.74	22.25	0.50	0.02	0.003	0.01	
			diopside skarn, banded at 50° to CA; trace fine	3053	22.25	22.76	0.50	0.01	0.003	0.01	
			grained po. present with no scheelite visible;	3054	22.76	23.37	0.50	0.01	0.003	0.01	
			garnet only developed from 23.46-24.99m; core	3055	23.37	23.87	0.50	0.19	0.003	0.01	
			broken from 21.64-22.26m.	3056	23.87	24.38	0.50	0.05	0.003	0.01	
24.99	27.43	70%	Dark grey, chlorite-graphite-quartz schist with	3057	24.38	24.89	0.50	0.02	0.003	0.01	
			2-3% fine grained pyrite; core somewhat blocky;	3058	24.89	25.40	0.50	0.013	0.003	0.01	
			some muscovite present.								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-9

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-9 Sheet No. 2 of 3
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	W (ppm)	Au. (ppb)	Cu. (ppm)	
27.43	29.51	70%	Strongly graphitic gouge section; cleavage in-	ROCK GEOCHEMISTRY							
			distinct; 2-3% fine grained pyrite and trace	3063	25.30	26.83	1.53m	< 2	< 10	40	
			cpy. present; cl. probably at 70° to CA.	3064	26.83	28.35	1.52m	< 2	< 10	44	
29.51	32.61		Muscovite-quartz schist, plus chlorite, with	3065	28.35	29.88	1.53m	< 2	< 10	50	
			cl. at 50° to CA; 1% fine grained pyrite along	3066	29.88	31.46	1.52m	< 2	< 10	39	
			joints.								
32.61	40.23		Transition to dark grey, chlorite-quartz plus								
			graphite schist, plus muscovite; 1-2% fine								
			grained bedded pyrite present; crenulation and								
			ptygmatic style folding at 32.69-34.4m; cl.								
			generally at 40° to CA; gouge and graphitic								
			material at 36.88-37.49m.								
40.23	40.69		Quartz-muscovite pegmatite.								
40.69	43.89		Variation of quartz-chlorite and quartz-musco-								
			vite schist; graphitic gouge at 43.59-43.89m;	3067	46.65	48.17	1.52m	< 2	< 10	37	
			cl. at 40° to CA; some minor crenulation at								
			41.76m.								
43.89	47.29	90%	Quartz-muscovite-chlorite schist, with occasion-								
			al graphitic slips and lenses; core occasionally								
			broken, especially near pegmatite lenses.								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-9

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-9 Sheet No. 3 of 3
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	W	Au.	Cu.	
47.29	58.52	95%	Biotite-quartz-chlorite schist, plus graphite	3068	48.17	49.68	1.51m	< 2	<10	49	
			with pegmatite at 51.21-52.58m; sulphide content	3069	49.68	51.21	1.53m	< 2	<10	35	
			reduced to trace to 1/2% pyrite; core broken	3070	51.21	52.73	1.52m	< 2	<10	22	
			from 47.85-48.86m and 48.92-49.38m.	3071	52.73	54.25	1.52m	< 2	<10	37	
				3072	54.25	55.78	1.53m	< 2	<10	54	
			58.52m, End of Hole.								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-10

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-62°	

Hole No. T-81-10 Sheet No. 1 of 3
Section
Date Begun 16/7/81
Date Finished 17/7/81
Date Logged 19 /7/81

Lat. 50259.89N
Dep. 49909.36E
Bearing 125°
Elev. Collar 644.94 m

Total Depth 46.94m
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	WO	Au	Ag	
0	3.04		Casing								
3.04	7.92	50%	Blocky, broken and oxidised core, generally								
			sheared and altered quartzite.								
7.92	11.89	95%	Pale grey to cream, fine grained, banded quartz-								
			ite with minor quartz-biotite schist; banding								
			at 80° to CA; occasional secondary mottled quartz								
			replacement; core somewhat broken.	3073	17.37	17.88	0.51m	0.015	0.003	0.01	
11.89	17.07	98%	Transition to dark grey, slightly calcareous	3074	17.88	18.39	0.51m	0.013	0.003	0.01	
			chlorite schist-graphite-quartz; secondary sili-	3075	18.39	18.90	0.51m	0.013	0.003	0.01	
			ceous replacement at 13.72-14.18m; 1% fine	3076	18.90	19.40	0.50m	0.031	0.003	0.01	
			grained pyrite present; banding at 80° to CA.	3077	19.40	20.01	0.61m	0.044	0.003	0.01	
17.07	18.59	90%	Transition to dark grey, tremolite-quartz-calc								
			silicate unit; 2% fine grained pyrite present								
18.59	19.51		Core blocky and broken, as above.								
19.51	21.79		Grey, massive, occasionally mottled, silicified								
			limestone; occasional fine banding at 75° to CA,								
			with at 21.18m, irregular diopside bearing zone								
			at 30° to CA.								
21.79	22.25		Graphitic zone, core extensively broken, dark								
			grey, quartz-chlorite-graphite schist; cl. at								
			70° to CA.								

R Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-10

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-10 Sheet No. 2 of 3 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
22.25	24.23		Medium grey, occasionally mottled silicified				
			limestone; core blocky and broken.				
24.23	40.54	95%	Medium to dark grey, chlorite-quartz schist-mus-				
			covite, with fine 1/2 to 1cm. quartz stringers;				
			1% pyrite in thin 1m bands; ptygmatic quartz				
			stringers at 27.43m; bulbous quartz pod with po.				
			at 32.77-32.92m; considerable crenulation and				
			small scale folds at 32.92-34.44m; graphitic				
			lip at 34.44m; fine graphite present from 37.80				
			onwards; graphitic slips at 39.93-40.54m.				
40.54	42.37		Medium, cream, mottled siliceous zone with mus-				
			covite, pyrite; pegmatite zone in siliceous				
			envelope.				
42.37	44.81	80%	Quartz-muscovite-biotite schist; cl. at 70° to				
			CA; graphitic slips present; core considerably				
			blocky and broken.				

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-10

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-10 Sheet No. 3 of 3
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
44.81	46.94		Laminated quartz schist, with some muscovite and				
			chlorite; pyrite along joint or cleavage planes;				
			almost quarzitic in aspect; 1cm. quartz pods				
			and 'sweat-outs' present.				
			46.94m, End of Hole.				

NEVILLE CROSBY INC.

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-11

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-11 Sheet No. 1 of 4
Section
Date Begun 18/7/81
Date Finished 19/7/81
Date Logged 21/7/81

Lat. 50232.07N
Dep. 49920.33E
Bearing
Elev. Collar 642.83 m

Total Depth 75.29m
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	WO_3	Au	Ag	
0	3.66		Casing								
3.66	8.38		Grey, fine grained quartz-chlorite-biotite								
			schist; cl. at 40° to CA at 3.66m, 60° to CA at								
			6.71m; 5.49-6.40m skarn aspect; 4% po. from								
			6.71-7.16m; fine pin heads of scheelite present;								
			core broken from 5.18-5.64m; 10cm. quartz vein								
			at 4.11m.	3086	6.71	7.21	0.50m	0.30	<0.003	<0.01	
8.38	8.84		Dark grey, quartz-chlorite schist; cl. at 65°	3087	7.21	7.72	0.51m	0.01	<0.003	<0.01	
			to CA; 1% fine grained po. present.	3088	7.72	8.23	0.51m	0.013	<0.003	<0.01	
8.84	13.10	98%	Banded skarn unit, with rare scattered scheelite	3089	8.23	8.84	0.61m	0.037	<0.003	<0.01	
			present; banded at 50° to CA at 9.41m, 20° to	3090	8.84	9.35	0.51m	0.026	<0.003	<0.01	
			CA at 12.80m; cleavage generally 45°-50° to CA;	3091	9.35	9.85	0.50m	0.01	<0.003	<0.01	
			rare garnet present but the unit is generally	3092	9.85	10.46	0.61m	0.01	<0.003	<0.01	
			diopside-potash feldspar-calcite; 10cm. quartz	3093	10.46	11.28	0.82m	0.022	<0.003	<0.01	
			vein at 12.65m.	3094	11.28	11.89	0.61m	0.044	<0.003	<0.01	
13.10	13.56		Sulphide rich zone with 5% disseminated po. in	3095	11.89	12.50	0.61m	0.05	<0.003	<0.01	
			siliceous matrix; traces scheelite present.	3096	12.50	13.11	0.61m	0.08	<0.003	<0.01	
13.56	28.04	95%	Dark grey, banded, chlorite-biotite-muscovite-	3097	13.11	13.61	0.50m	0.14	<0.003	<0.01	
			quartz schist, with some argillaceous partings;	3098	13.61	14.17	0.56m	0.25	<0.003	<0.01	
			some talcose material at 16.45-17.22m; cl. at								
			50° to CA; becoming distinctly graphitic in								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-11

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-11 Sheet No. 2 of 4
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE				
			character from 24.99-28.04m; 20cm. pegmatite at								
			18.75m; rare scattered 2cm. quartz lenses; 10cm.								
			quartz muscovte-pegmatite at 23.47m; cremulations								
			and small folds becoming evident from 24.94-								
			28.04m; trace to 1/2% fine grained pyrite pre-								
			sent.								
28.04	31.39	95%	Medium grey, quartz-muscovite-chlorite schist;								
			cl. at 40° to CA.								
31.39	33.22		Blocky and broken graphite schist with 3% pyrite;								
			cl. at 40" to CA; irregular quartz replacement								
			zone with blebs of po. at 32.46m.								
33.22	33.83		Biotite schist.								
33.83	36.58		Dark grey, chlorite-quartz-graphite schist,								
			showing marked crenulation; cl. at 25° to CA at								
			35.66m; irregular quartz lens at 35.66m.								
36.58	43.89		Gradation to paler grey, quartz-muscovite-bio-								
			tite schist; cl. at 40° to CA; quartz-muscovite								
			pegmatite at 39.01-40.23m; core broken 42.67-								
			43.89m.								
43.89	44.35		Mottled siliceous replacement zone.								

R. Ware

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-11

DIP TEST		
	Angle	
Footage	Reading	Corrected

T-81-10 3 of 4

Hole No. _____ Sheet No. _____ Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO_3	Au.	Ag.	Zn
44.35	47.40		Medium grey, quartz-muscovite schist, finely								
			schistose in character.								
47.40	48.16		Irregular silicified zone.								
48.16	53.04	95%	Dark grey, chlorite-muscovite-quartz schist with								
			occasional ptygmatic veins, some fine graphitic								
			material present.								
53.04	56.39	80%	Strongly graphitic zone; may be fault gouge or								
			extremely broken zone.								
56.39	70.71	95%	Muscovite-quartz schist with some graphitic								
			slips; becoming less argillaceous from 58.52 on-	3117	60.96	62.48	1.52m	0.03	<0.003	<0.01	< 0.01
			wards; cl. at 30° to CA at 59.74m; fold closure	3118	62.48	64.00	1.52m	0.03	<0.003	<0.01	< 0.01
			at 58.52m; cl. at 15° to CA at 61.57m, changing	3119	64.00	65.53	1.53m	0.10	<0.003	<0.01	< 0.01
			back to 30° to CA from 63.09m onwards; fine 1cm.								
			quartz stringers present; becoming somewhat								
			mottled in appearance from 67.67 onwards.								
70.71	71.32		Kaolinised and platy zone, (possible thrust								
			sole?)								
71.32	75.29		Medium grey/green, chlorite-quartz-muscovite								
			schist, biotite, with irregular secondary sili-								
			cification and 9cm. quartz vein with minor po.								

R. Ware

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-11

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-11 Sheet No. 4 of 4
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE				
			blebs at 72.54m; cl. at 40° to CA.								
			75.29m, End of Hole.								

R. Evans

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-12

DIP TEST		
	Angle	
Footage	Reading	Corrected
Collar	-90°	

Hole No. T-81-12 Sheet No. 1 of 3
Section
Date Begun 20/7/81
Date Finished 21/7/81
Date Logged 28/7/81
Lat.
Dep.
Bearing
Elev. Collar
Total Depth 60.96M
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	WO_3	Au	Ag	
0	4.27	7	casing								
4.27	8.23		broken, oxidised, calcareous unit, banded at								
			70° @ ca.								
8.23	11.28	70	somewhat broken, silicified limestone, some								
			broken graphitic material present								
11.28	13.11	95	somewhat broken, chlorite - quartz + graphite								
			'schist' with 1% py. ce at 10° to ca								
13.11	13.56		generally massive, broken limestone unit, partly								
			silicified, minor diopside present								
13.56	14.33		Qtz. - chlorite schist; ce changes to 30° to ca								
			at 13.72	3108	23.47	24.08	0.61m	0.03	0.003	C0.01	
14.33	14.78		Cream, barren quartz vein	3109	24.08	24.69	0.61	0.03	"	"	
				3110	24.69	25.30	0.61	0.02	"	"	
14.78	23.16		Grey, massive, mottled to banded carbonate	3111	25.30	25.91	0.61	C0.01	"	"	
			unit; banding 35° to CA at 16.5, 70° to CA at	3112	25.91	26.52	0.61	0.01	"	"	
			16.7, 30° at 21.6, changing to 65° to CA at 22.6								
23.16	25.60		Transitional change over 1m, to banded skat unit,								
			qtz, k spar, occ. diopside with banding consist-								
			ently at 45° to CA; no sign of scheelite garnet								
			zone at 25.15 M to 25.6 M.								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-13

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-13 Sheet No. 1 of 3
Section
Date Begun 22/7/81
Date Finished 23/7/81
Date Logged 29/7/81

Lat. 50249.77N
Dep. 49924.70E
Bearing -90°
Elev. Collar 644.78m

Total Depth 50.44m
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	WO_3	Au	Ag	Cu
0	3.05		Casing								
3.05	7.62	60%	Extensively broken and oxidised core; dark grey,								
			banded quartz schist, broken quartz injection zone								
			at 3.0-3.66m.								
7.62	9.14	95%	Greyish cream, banded, quartz schist/quartzite,								
			banding at 65° to CA; some mafic rich bands pre-								
			sent; some secondary blebs of silicification pre-								
			sent; slight carbonate present.								
9.14	9.45		Broken quartz vein.								
9.45	10.67	98%	Dark grey, slightly calcareous, chlorite-quartz								
			schist; graphitic with 2% py. at 10.5-10.9m.								
10.67	12.80	90%	Transition to grey/green, banded calcareous unit,	3101	21.43	21.94	0.51m	0.01	<0.003	<0.01	
			with some diopside, chlorite and minor silicifi-	3102	21.94	22.45	0.49m	0.03	0.008	<0.01	
			cation; banding at 60° to CA; core blocky at	3103	22.45	22.96	0.51m	0.15	<0.003	<0.01	
			10.7-11.0m, 12.3-12.65m.	3104	22.96	23.47	0.51m	0.18	<0.003	<0.01	
				3105	23.47	24.08	0.61m	0.01	<0.003	<0.01	
12.80	22.86	98%	Greyish, weakly banded and mottled diopside bear-	3106	24.08	24.69	0.61m	0.01	<0.003	<0.01	
			ing carbonate unit; banding at 60° to CA; 10° to	3107	24.69	25.60	0.91m	0.01	<0.003	<0.01	
			CA at 21.64m over 0.6m section; 20cm quartz vein								
			with blebs of po. at 19.66m; 5cm quartz vein with								
			po. at 22.7m. Unit becomes slightly paler grey at								

R. Wares

DIAMOND DRILL RECORD

PROPERTY Thanksgiving **HOLE No.** T-81-12

DIP TEST		
	Angle	
Footage	Reading	Corrected
collar	-90°	

Hole No. T-81-12 Sheet No. 3 of 3
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% WO_3	Au	Ag	Cu
43.28	46.02		Grey/cream, mottled to massive, siliceous re-								
			placement; occ. pegmatitic in aspect								
				3115	49.68	50.70	1.02m	0.05	≤0.003	≤0.01	≤0.01
46.02	51.51		Chlorite-biotite-quartz + graphite schist; broken	3116	55.58	57.0	1.04m	0.06	≤0.003	≤0.01	≤0.01
			46.02-47.55, Ce 20° to CA at 46.93 M, 40° to CA								
			at 48.77, calculations at 49.38; 1% pyrite								
			present								
51.51	58.83		Transition to chlorite-muscovite quartz schist,								
			with occasional graphite present, 2% pyrite, esp.								
			developed along cleavage planes, occ. ptygmatic								
			1 cm. quartz stringer present, Ce generally at								
			50° to CA, pegmatite at 54.10-54.41, graphitic								
			section at 54.86-55.78 M., partly sheared but								
			argillaceous section, graphitic slip at 59.44-								
			60.05 M.								
58.83	60.96		Broken, blocky, muscovite-quartz-chlorite schist								
			60.96 M End of Hole.								

NEVILLE CROSBY INC.

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-13

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-13 Sheet No. 2 of 3 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
			21.3-22.86m.				
22.86	23.32		Weak skarn unit with K-feldspar, diopside, and				
			some weakly banded scheelite over 10cm., with				
			occasional fine scattered scheelite.				
23.32	28.04		Transition to dark grey, chlorite-quartz-musco-				
			vite biotite schist, with 1-2% fine grained				
			pyrite; cl. generally at 60° to CA, with minor				
			crenulations evident; core blocky from 24.69-				
			25.3m.				
28.04	39.93		Transition to chlorite-biotite schist with				
			graphite and quartz present; asymmetric small				
			folds at 28.95-29.96m; crenulations at 31.1-				
			31.9m; core broken at 35.4-35.7m; somewhat more				
			massive in character at 35.7-37.5m; core blocky				
			at 37.6-38.1m.				
39.93	40.39		Strongly graphitic sheared section.				
40.39	40.69	90%	Graphite-musovite schist.				
40.69	41.15		Broken, gougy, graphitic schist, cl. at 90° to				
			CA.				

NEVILLE CROSBY INC.

R. Ivanes

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-13

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-13 Sheet No. 3 of 3
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
41.15	46.63	95%	Medium grey/green, chlorite-quartz schist, with more graphitic sections at 42.67-43.28m, 45.7-46.6m; cl. at 45° to CA in graphitic sections; chloritic units somewhat more massive in aspect; irregular pegmatite zone at 44.5-45.0m.				
46.63	47.55		Greyish, mottled pegmatite zone.				
47.55	50.44		Chlorite-graphite schist, quartz, with occasional ptygmatic injection veins; cl. generally at 70° to CA; banded aspect more evident from 46.6m onwards; occasional conformable 8cm. pegmatite stringers.				
			50.44m, End of Hole.				

NEVILLE CROSBY INC.

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-14

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-14 Sheet No. 1 of 4
Section
Date Begun 26/8/81
Date Finished 4/9/81
Date Logged 2/9/81, 3/9/81, 7/9/81

Lat. 49912.96N
Dep. 50236.56E
Bearing
Elev. Collar 738.78m

Total Depth 134.11m
Logged By R. Wares
Claim
Core Size HQ to 77.5m
NQ to 134.11m

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	WO_3
0	6.1		Casing					
6.1	11.8	80%	Biotite-quartz-augen schist, core somewhat broken, foliation generally at 60-70° to CA, but with some variation; cl. 10° to CA at 9.5m; some ptygmatic quartz stringers present; core somewhat broken at 7.5-8.0m.					
11.8	19.3	90%	Variation of quartz-augen schist and biotite-quartz schist; core considerably broken at 11.8-12.8m; ptygmatic quartz veins present; foliation generally at 70° to CA.					
19.3	21.9	95%	Mottled and laminated skarn unit; massive, silicified zone at 19.3-19.7m; mottled skarn from 19.7-20.1m, with garnet, diopside; laminated skarn for the rest of the unit; some secondary silicification present; contact at 19.3m at 65° to CA; traces scheelite over 0.3m. from 20.7-21.0m; silicification from 21.6-21.9m.	576V	19.5	20.0	0.50m	0.01
				577V	20.0	20.5	0.50m	0.01
				578V	20.5	21.0	0.50m	0.21
				579V	21.0	21.5	0.50m	0.01
				580V	21.5	22.1	0.50m	0.01
21.9	46.3	95%	Dark grey, quartz-schist biotite, with sparse augen present; foliation and banding at 70° to CA; ptygmatic quartz veins occasionally present; quartz schist (blastomylonite?) from 35.6-37.9m;					

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-14

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-14 Sheet No. 2 of 4
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	WO_3
			8cm. carbonate skarn present at 26.0m; occasional pale garnet present, but generally widely scattered; core somewhat blocky and broken from 45.5-46.3m.					
46.3	50.4	90%	Dark grey, laminated to banded, diopside-quartz-carbonate schist; trace to 1% diss. pyrite present; no scheelite observed; core somewhat blocky and broken.					
50.4	53.2	95%	Dark grey, slightly schistose, quartz-chlorite-hornblende schist; cl. at 70° to CA; some muscovite present.					
53.2	59.5	95%	Dark grey, variably calcareous unit, essentially a quartz-chlorite-hornblende schist, with irregular garnet development; 5cm. quartz-calcite-po. vein at 53.7m; some secondary silicification present; cl. at 65° to CA.	581V	55.1	55.6	0.50m	0.02
59.5	63.6	85%	Dark grey, fine grained calcareous schist with biotite-chlorite-muscovite; fine cl. at 70° to CA; core blocky and broken from 61-63m.					

NEVILLE CROSBY INC.

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-14

DIP TEST		
	Angle	
Footage	Reading	Corrected

T-81-14 3 of 4

Hole No. _____ Sheet No. _____

Section _____

Date Begun _____

Date Finished _____

Date Logged _____

Lat. _____

Dep. _____

Bearing _____

Elev. Collar _____

Total Depth _____

Logged By _____

Claim _____

Core Size _____

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
63.6	72.2	90%	Laminated calcareous skarn with some garnet-quartz-diopside; laminated aspect is variable in development; secondary carbonate veinlet developed at 71-72.2m; these cross cut the foliation.				
72.2	75.0	50%	Blocky and broken gouge zone; broken calcareous and graphitic schist, with 1-2% pyrite in the gouge zone; extensive graphitic gouge present.				
75.0	77.5		No recovery, core lost; change down to NQ core.				
77.5	78.8		Broken graphitic schist.				
78.8	101.5	98%	Quartz-biotite-muscovite schist, occasionally slightly calcareous; cl. at 55° to CA; occasional minor ptygmatic folds; minor chlorite and graphite present.				
101.5	109.5		Pale grey, silicified zone, with pervasive silicification; grey to cream fine grained zone.				
109.5	121.5	98%	Dark grey, quartz-biotite-chlorite schist; cl. at 50° to CA; dark chlorite rich section from 115-117m; pale grey silicified section at 116.5-117.5m; occasional minor 3cm. quartz stringers.				

NEVILLE CROSBY INC.

R Ware

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-14

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-14 Sheet No. 4 of 4
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
121.5	134.11		Variably silicified, quartz-muscovite schist with				
			some preserved sections of biotite-muscovite				
			schist; small quartz stringers have traces of				
			pyrite present at the margins; silicification				
			produces a reticulate alteration pattern.				
			134.11m, End of Hole.				

NEVILLE CROSBY INC.

R. Warner

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-15

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-15 Sheet No. 1
Section
Date Begun 5/9/81
Date Finished 5/9/81
Date Logged

Lat. 50130.27N
Dep. 50176.11E
Bearing
Elev. Collar 704.50m

Total Depth
Logged By
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
0	26.52		Tricone to 26.52 m, casing could not be stabili-				
			zed in badly fractured rock - hole abandoned				

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-16

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-16 Sheet No. 2 of 2
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO_3	Au
92.05	93.27		No core recovery, mud seam present.						
93.27	103.78	70%	Broken, blocky, quartz-biotite schist, generally						
			fine grained and not gneissic in character; cl.						
			at 45° to CA.						
103.78	105.77	80%	Coarse, garnet skarn with epidotic reaction rims	3141	103.32	103.82	0.50m	0.01	< 0.001
			around the garnet; some actinolite present.	3142	103.82	104.32	0.50m	0.01	< 0.001
105.77	124.97	40%	Broken, blocky quartz-biotite schist; 10% reco-	3143	104.32	104.82	0.50m	0.02	< 0.001
			very 105.77-106.7m, 15% recovery 107.9-108.5m,	3144	105.26	105.76	0.50m	0.01	< 0.001
			50% recovery from 111.9-114.9m; mud seams from	3145	117.04	117.54	0.50m	0.01	< 0.001
			107.6-109.1m, 114.0-114.9m and 118.0-121.0m;	3146	122.94	123.44	0.50m	0.01	< 0.001
			trace to 1% pyrite present.						
124.97	127.1	40%	Change to dark grey, chlorite-quartz schist.						
			127.10m, End of Hole.						

NEVILLE CROSBY INC.

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-16

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-16 Sheet No. 1 of 2
Section
Date Begun 6/9/81
Date Finished 11/9/81
Date Logged 10/9/81, 14/9/81

Lat. 50122.57N
Dep. 50200.47E
Bearing
Elev. Collar 705.85m

Total Depth 127.1m
Logged By R. Wares
Claim
Core Size HQ to 52.7m
NQ to 127.1m

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO_3	Au.
0	4.57		Casing						
4.57	10.97	90%	Augen-quartz gneiss; foliation and elongation of	3130	5.51	6.02	0.51m	0.02	< 0.001
			porphyroblasts at 40° to CA.	3131	10.78	11.28	0.50m	0.01	0.002
10.97	12.64	95%	Somewhat sheared, fine to medium grained micro-						
			granite; contacts somewhat deformed.	3132	11.89	12.38	0.49m	0.02	< 0.001
12.64	41.76	98%	Grey, augen-quartz gneiss, dark grey, foliation						
			at 40° to CA; micropegmatite at 29.7-30.1m; some	3133	17.98	18.48	0.50m	0.02	< 0.001
			minor textural variation and slight change in	3134	26.52	27.02	0.50m	0.02	< 0.001
			foliation angle; becoming increasingly deformed	3135	31.09	31.59	0.50m	0.02	< 0.001
			to 41.75m.	3136	38.71	39.21	0.50m	0.05	< 0.001
41.76	50.90	30%	Poor recovery and broken rock in this zone; unit						
			is quartz-augen schist as above.						
50.90	61.87	35%	Broken, sheared quartz-augen gneiss; foliation						
			at 40° to CA.						
61.87	76.2	80%	Sheared, quartz-augen schist; cl. at 40° to CA;						
			some fine textural variation present; unit						
			blocky and broken from 67.1-70.1m.						
76.2	92.05	95%	Fine to medium grained, quartz monzonite, in	3137	76.92	77.42	0.50m	0.01	< 0.001
			part sericitised, with traces pyrite present in	3138	84.73	85.23	0.50m	0.02	< 0.001
			marginal sections over 1m; sepae of augen schist	3139	88.39	88.89	0.50m	0.02	< 0.001
			at 81.1-81.7m.	3140	89.72	90.22	0.50m	0.02	< 0.001

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-17

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-17 Sheet No. 1 of 3
Section
Date Begun 12/9/81
Date Finished 15/9/81
Date Logged

Lat. 50042.18N
Dep. 50194.13E
Bearing
Elev. Collar 716.42m

Total Depth 89.92m
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO_3	Au.		
0	10.3		Casing								
10.3	17.5	55%	Somewhat broken, quartz-biotite-gneiss, with fre-	3147	10.67	12.50	1.83m	0.02	<0.001		
			quartz injection veins, foliation generally at								
			75° to CA; core particularly broken at 6.6m to								
			9.5m and 13.2-17.5m; quartz veins are barren,								
			blastomylonite from 4.5-5.5m, 10cm calc-silicate								
			at 11.8-11.9m.								
17.5	23.5	45%	Extensively broken zone, slightly calcareous,								
			slightly argillaceous, chlorite-quartz schist,								
			(change to NQ core at 18.6m).								
23.5	27.4	90%	Muscovite-quartz schist, slightly argillaceous								
			with traces pyrite, cl. at 60° to CA, becoming								
			15-20° to CA at 27m.								
27.4	28.6	90%	Slightly silicified section, with cl. at 10° to								
			CA.								
28.6	43.2	95%	Muscovite-chlorite-quartz schist, with cl. at								
			60° to CA, some small scale folding present;								
			30-32m, traces pyrite present, 1% pyrite in								
			irregular 1m. sections, trace po in quartz								
			stringers.								

R Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-17

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 2 of 3
Section _____
Date Begun 12/9/81
Date Finished 15/9/81
Date Logged 18/9/81

Lat. _____
Dep. _____
Bearing _____
Elev. Collar _____

Total Depth _____
Logged By _____
Claim _____
Core Size _____

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO_3	Au.		
43.2	43.5		Broken pegmatite.								
43.5	44.1		Muscovite-chlorite schist.								
44.1	46.2		Somewhat broken, blocky pegmatite.								
46.2	51.2	60%	Blocky broken core, graphite-muscovite schist	3148	46.33	46.93	0.60m	0.01	0.004		
			with 1-1.5% pyrite; 5cm quartz vein with po at	3149	49.68	50.28	0.60m	0.01	0.001		
			46.9m; cl. indistinct.								
51.2	56.3	70%	Strong graphitic zone with pegmatite at 52.4-								
			52.6m; 53.7-55.9m; cl., where noted, at 70° to CA								
56.3	58.5		Partially bleached section, sericite-quartz								
			schist with 2% pyrite; cl. at 60-70° to CA, minor	3150	56.69	57.19	0.50m	0.01	<0.001		
			talc present.	3376	57.19	57.69	0.50m	0.01	<0.001		
58.5	67.5	80%	Grades into muscovite-chlorite schist with 2%								
			pyrite; locally more bleached at 64.5-66.0m,								
			graphitic slips present.								
67.5	73.5		Gradation into quartz-chlorite schist, with								
			sparse quartz stringers, cl. at 60° to CA; core								
			somewhat blocky and broken, bleached and silici-								
			fied from 71.5-73.5m.								

R. Wolfes

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-17

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-17 Sheet No. 3 of 3
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
73.5	89.92	95%	Gradation into biotite-muscovite-quartz schist, with cl. generally at 65° to CA; some slight compositional variation present, minor ptygmatic quartz veins present; sulphide content diminishes to trace amounts; 4cm barren quartz vein at 85.1m, 10cm quartz vein at 86.2m, 40cm quartz vein at 88.5-88.9m; biotite content diminishing from 85m onwards.				
			89.92m, End of Hole.				

R. Evans

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-18

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-18 **Sheet No.** 1 of 3
Section
Date Begun 16/9/81
Date Finished 19/9/81
Date Logged 19/9/81

Lat. 50192.11N
Dep. 50086.07E
Bearing
Elev. Collar 680.08m

Total Depth 78.33m
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO_3	Au		
0	4.26		Casing								
4.26	9.90	70%	Broken and somewhat oxidised, quartz-biotite								
			schist, cl. at 40° to CA, broken quartz vein								
			5.58-6.61m; 5cm quartz vein at 8.9m.								
9.90	16.10	80%	Broken, blocky, calc-silicate, with broken quartz								
			vein at 10.2-10.8m; weakly banded at 40° to CA,	3377	9.20	10.03	0.83m	0.01	0.001		
			diagnostic skarn absent, 5cm quartz vein at	3378	10.03	11.27	1.24m	0.01	0.003		
			12.2m; medium grey/green colouration.	3379	11.27	12.80	1.53m	0.01	0.001		
16.10	25.2	90%	Transition to quartz-biotite schist with thin	3380	12.80	13.79	0.99m	0.01	0.001		
			3cm scattered calc-silicate bands; dark grey								
			in colour, finely schistose at 50° to CA; 18.3-								
			18.7m, cream, fine to medium grained aplite								
			dyke, cutting across cl. at 10°; sparse thin								
			quartz stringers present, minor chlorite present.								
25.2	35.6	70%	Transition to dark grey, muscovite-chlorite-								
			quartz schist; core somewhat blocky and broken;								
			0.4m gouge at 24.8m; 30% recovery from 23-26m,								
			10% recovery from 32.6-35.6m, with sand seam.								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-18

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-18 Sheet No. 2 of 3
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar 680.08m

Total Depth 78.33m
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO_3	Au		
35.6	46.4	40%	Broken, blocky zone, with muscovite-quartz schist								
			passing into sheared, broken, graphitic gouge								
			with poor core recovery; some chlorite-graphite								
			schist present.								
46.4	49.9	90%	Chlorite-muscovite-graphite-quartz schist, dark								
			grey, finely schistose with cl. generally at 40°								
			to CA; small scale crenulations present; 1%								
			pyrite throughout.								
49.9	53.95	85%	Sharp transition to graphite schist with strong								
			cleavage; 2% pyrite present; cl. at 50° to CA.								
53.95	55.2	90%	Dark grey, chlorite-graphite schist, cl. at								
			60° to CA.								
55.2	73.4	95%	Transition to muscovite-quartz schist with con-								
			siderable admixture of graphite; the unit is a	3381	60.05	61.65	1.60m	0.01	0.001		
			replacement, altered unit with thin septae of	3382	67.40	68.95	1.55m	0.01	0.001		
			preserved graphite-chlorite schist in the unit,								
			cl. at 40° to CA; with some crenulation present;								
			ovoid secondary silicification present; trace								
			to 1% po. present, po content diminishes after								
			6-8m; zone from 58-68m is appreciably magnetic.								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-18

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-18 Sheet No. 3 of 3
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
73.4	78.33		Transition to strongly graphitic zone with zone				
			over 50cm. from 73.4-73.9m with breccia; cl. at				
			40° to CA.				
			78.33m, End of Hole.				

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-19

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-19 Sheet No. 1 of 3
Section
Date Begun 20/9/81
Date Finished 23/9/81
Date Logged 22/9/81, 23/9/81

Lat. 50260.95N
Dep. 50053.62E
Bearing
Elev. Collar 677.63m

Total Depth 76.50m
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
0	4.9		Casing				
4.9	8.1	80%	Fine to medium grained, quartz monzonite; core broken and oxidised, minor sericitisation and trace pyrite present.				
8.1	8.4		Quartz-biotite augen gneiss, foliation at 70° to CA.				
8.4	12.9	60%	Fine to medium grained quartz monzonite, as above; core somewhat blocky and broken, contact parallel to foliation at 68° to CA.				
12.9	15.8	60%	Quartz-augen gneiss, foliation at 65° to CA; unit is of a blastomylonite in aspect.				
15.8	17.17	50%	Broken pegmatite.				
17.17	20.45		Quartz-augen gneiss, with porphyroblasts becoming somewhat coarser in nature. Foliation changes from 15° to CA at 17.5m, to 50° to CA at 20.2m.				
20.45	21.2		Broken quartz monzonite.				
21.2	24.2	35%	Broken core, somewhat silicified, fine grained.				

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-19

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-19 Sheet No. 2 of 3
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO 3
24.2	37.4	80%	Grey to cream, fine grained, partly silicified					
			quartz-biotite-schist; cl. at 30° to CA. Some					
			diffuse silicified zones present. Coarse quartz					
			lenses 2cm. wide present at 34-35m. Occasionally					
			slightly calcareous.					
37.4	47.9	95%	Medium grained, partly sericitised quartz monzo-	726V	39.62	41.14	1.52m	0.01
			nite with traces disseminated pyrite and rare	727V	46.33	47.55	1.22m	0.02
			1mm. pyrite veinlets.	728V	47.55	48.46	0.91m	0.01
47.9	55.9	90%	Grey, fine grained, partly silicified limestone;					
			minor banding at 40° to CA; traces pyrite pre-					
			sent; core broken from 52.8-54.8m; quartz					
			stringers at 52.4m (3cm. wide), 49.5m, (2cm.					
			wide).					
55.9	57.0		Laminated skarn, garnet-diopside present; band-	729V	55.78	56.69	0.91m	0.01
			ing at 25° to CA.					
57.0	60.4		Greyish, weakly laminated calcareous schist;					
			some mottling present; traces pyrite present.					
60.4	72.2		Transition to quartz-biotite-chlorite schist					
			with minor calc-silicate lenses; banding at 40°					
			to CA; core becoming broken from 65m. onwards;					
			12cm. broken quartz vein at 65.8-65.92m; clay					

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-19

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-19 Sheet No. 3 of 3
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
			gouge at 72.3m.				
72.2	74.7	50%	Chlorite-quartz schist, cl. at 20° to CA.,				
			traces pyrite present.				
74.7	76.5	20%	Extensively broken zone with broken quartz vein				
			and silicified zone with traces pyrite.				
			76.5m. End of Hole.				

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-20

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-20 Sheet No. 1 of 1
Section
Date Begun 24/9/81
Date Finished 27/9/81
Date Logged 25/9/81, 28/9/81

Lat. 49820.41N
Dep. 50279.87E
Bearing
Elev. Collar 758.81m

Total Depth
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO_3
0	25.6		Casing					
25.6	26.9		Quartz-augen schist, foliation at 65° to CA.;					
			core broken from 26.2 to 26.9m.					
26.9	34.6	85%	Blocky, occasionally broken, fine to medium					
			grained quartz-monzonite, somewhat sericitised					
			with traces pyrite present; no evidence of					
			strong deformation; broken pegmatite from	730V	31.3	32.3	1.0m	0.01
			34.1m to 34.8m, contact parallel to foliation.					
34.6	48.1	70%	Blocky and broken quartzite or quartz-biotite					
			schist; biotite content from 5-10%, schistosity					
			at 70° to CA; mafic content varies somewhat from					
			5-15%, broken pegmatite from 44.9-46.1m.					
			48.1m core broken, changed from HQ to NQ core,					
			no circulation or recovery achieved, hole					
			abandoned.					
			48.1m, End of Hole.					

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-21

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-21 Sheet No. 1 of 1
Section
Date Begun 27/9/81
Date Finished 28/9/81
Date Logged 20/9/81

Lat. 49872.94N
Dep. 50197.14E
Bearing
Elev. Collar 724.84m

Total Depth 26.8m
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO_3			
0	4.6		Casing.								
4.6	7.0	80%	Quartz-biotite schist, core blocky and broken.								
7.0	9.8		Gradation to biotite rich, augen schist with	731V	8.84	9.75	0.91m	0.02			
			foliation at 70° to CA; trace to 1% pyrite								
			present.								
9.8	17.5		Biotite-quartz schist, less mafic than above;								
			some minor relative compositional variation.								
17.5	17.8		Broken pegmatite.								
17.8	19.2	75%	Finer grained quartzite, with poorly developed								
			foliation at 70° to CA.								
19.2	23.2	20%	Broken, silicified limestone and muscovite	732V	19.2	21.3	2.1m	0.01			
			quartz schist.	733V	23.17	26.8	3.63m	0.01			
23.2	26.8	10%	Broken, blocky muscovite quartz schist.								
			Attempted to drill through broken zone, circu-								
			lation lost, no recovery, hole abandoned.								
			26.8m, End of Hole.								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-22

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-22 Sheet No. 1 of 2
Section
Date Begun 29/9/81
Date Finished 1/10/81
Date Logged 1/10/81

Lat. 49977.28N
Dep. 50018.52E
Bearing
Elev. Collar 660.30m

Total Depth 72.2m
Logged By R. Wares
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE				
0	21		Casing.								
21	33	70%	Grey, quartz-muscovite-graphite schist, with cl.								
			at 70° to CA; occasional thin 5cm. quartz								
			stringers present; minor po. present.								
33	34.5		Broken muscovite pegmatite.								
34.5	40.7	70%	Broken gouge and graphitic schist with large 4cm.								
			ovoid quartz augen present; core considerably								
			broken.								
40.7	44.1	95%	Quartz-graphite-muscovite schist with graphite								
			content diminishing to end of section; cl. at								
			50° to CA; fine grained pyrite present (1%),								
			with 3-5cm. ovoid quartz augen present.								
44.1	49.5	95%	Quartz-muscovite-graphite schist with 5-10%								
			graphite; 5cm. irregular quartz stringer with								
			blebs of po. at 44.2m; core broken from 45.8-								
			46.8m; irregular 0.4m sections of secondary								
			silicification.								
49.5	61.6		Quartz-biotite schist, occasionally strongly								
			crenulated; cl. in general at 40° to CA; some								
			irregular silicification from 52.2-54.1m; occa-								
			sional 3 cm. quartz stringers, widely scattered;								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-22

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-22 Sheet No. 2 of 2
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE				
			minor fine grained po. present.								
61.6	68.2		Gradation to irregularly altered and silicified								
			quartz-muscovite schist, with patches of silici-								
			fication and minor graphite from 64.7-65.2m;								
			thin lenses of quarts biotite schist preserved;								
			67.1-68.2m, quartz vein with thin blebs of po.								
68.2	72.2		Largely quartz-biotite schist, somewhat crenu-								
			lated with zones of quartz-muscovite (sericite)								
			schist at 70.3-71.2m; cl. at 50° to CA; becoming								
			more sericitised from 71.2-72.2m.								
			72.2m, End of Hole.								

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING

HOLE No. T-81-23

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-23 Sheet No. 1 of 2
Section
Date Begun 2/10/81
Date Finished 3/10/81
Date Logged 3/10/81

Lat. 49912.27N
Dep. 49989.05E
Bearing
Elev. Collar 653.34m

Total Depth 37.79m
Logged By R. Wares
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
0	3.35		Casing.				
3.35	4.37		Quartz-biotite augen gneiss, foliation at 40°				
			to CA.				
4.37	4.67		Gouge zone.				
4.67	6.40		Quartz-biotite schist, occasionally crenulated				
			with cl. at 5-10° to CA; muscovite-pegmatite				
			at 4.87-5.53m, with a sharp contact.				
6.40	13.10	90%	Quartz biotite-schist, dark grey with irregular				
			zones of sericitisation; cl. at 40° to CA;				
			quartz vein at 8.2-8.4m; core broken with gouge				
			at 9.5-9.7m; thin quartz stringers parallel to				
			cleavage.				
13.10	18.59	80%	Gradation to pale to medium grey, silicified				
			zone with secondary quartz augen, but grading				
			into partly sericitised quartz-biotite schist;				
			core broken with quartz veins at 15.2-16.2m.				
18.59	21.64		Gradation back to quartz-biotite schist with				
			minor muscovite; cl. at 35° to CA; quartz vein				
			at 21.1-21.64m, with blebs of po. present.				

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-23

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-23 Sheet No. 2 of 2
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
21.64	23.46	75%	Banded, occasionally mottled limestone, weakly calcareous with banding at 10° to CA; minor diopside and traces po. present; core broken 22.6-23.46m.				
23.46	37.79	80%	Somewhat blocky and broken quartz-chlorite schist with irregular zones of preserved quartz-biotite schist; core broken 25.3-26.5m and 27.8-28.6m; broken rock from 31.0-32.9m (70% recovery) with 20% recovery from 33.9-35.1m; muscovite present in these sections; recovery generally decreasing down hole; minor 1% disseminated pyrite present.				
			37.79m, End of Hole.				

R. Warren

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-24

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-72°	

Hole No. T-81-24 Sheet No. 1 of 3
Section
Date Begun 5/10/81
Date Finished 7/10/81
Date Logged 7/10/81

Lat. 50027.06N
Dep. 49800.96E
Bearing 035°
Elev. Collar 599.72m

Total Depth 63.1m
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO_3
0	7.32		Casing					
7.32	10.67	50%	Pale grey/cream, quartz-biotite-augen schist; core considerably blocky and broken; cl. at 40° to CA, changing to 70° to CA at 10.67m.					
10.67	12.80	98%	Quartz-biotite-muscovite schist; dark grey in colour; cl. variable from 40-70° to CA; some minor chloritisation present.					
12.80	15.54	98%	Gradation to grey to cream, silicified zone with pegmatite at 14.33-15.09m; grades to quartz-muscovite schist with cl. at 70° to CA.					
15.54	17.98	95%	Quartz-muscovite-biotite schist, with ptygmatic quartz stringers (2cm. wide); core broken at 17.07-17.98m.					
17.98	20.73	98%	Laminated skarn unit, with bands of garnet,		18.8	19.8	1.0m	0.01
			potash feldspar with 5cm. bands of quartz-biotite		19.8	20.9	1.0m	0.02
			calcareous schist.		20.8	21.8	1.0m	0.01
20.73	22.55		Gradation to mottled, more massive skarn unit,		21.8	22.8	1.0m	0.01
			strongly calcareous; minor traces of po. present		22.8	23.8	1.0m	0.01
			but these are generally rare.					
22.55	23.47	98%	Blocky and broken, quartz-biotite schist, with					
			40% biotite.					

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-24

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-24 Sheet No. 2 of 3 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE				
23.47	24.08	100%	Massive skarn unit, cream to buff coloured.		23.9	24.8	1.0m	0.01			
24.08	25.15	100%	Gradation back to laminated skarn unit with minor		24.8	25.8	1.0m	0.01			
			garnet, potash feldspar.								
25.15	25.60		Quartz-muscovite schist, somewhat broken in								
			character.								
25.60	32.61	55%	Broken gouge zone, strongly graphitic with septae								
			of quartz-muscovite (sericite) schist; cl. at								
			70° to CA; coarse secondary quartz present in the								
			gouge material.								
32.61	38.1	100%	Quartz-muscovite-graphite schist with elongate								
			sparse quartz augen; 2% po. present; cl. at 40°								
			to CA; irregular thin pegmatite stringers present;								
			strong po. zone at 37.12-37.80m.								
38.1	40.23	100%	Grey/cream irregularly silicified zone with								
			coarse pegmatite from 39.01-39.93m; core								
			somewhat broken.								
40.23	57.00	100%	Irregularly banded, quartz-muscovite schist with								
			some fine grained po. present; irregular 5-10cm.								
			lenses of quartz-biotite present in larger (weak-								
			ly) altered zone; occasional thin 2cm. quartz								
			stringers present; 8cm. quartz vein with blebs								

R. Cross

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-24

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-24 Sheet No. 3 of 3
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
(cont	d)		of po. at 48.6m; some mottled secondary silici-				
			fication at 51.5m-52.5m; 0.27m cream to grey				
			quartz vein at 55.4m; cl. generally uniform at				
			40° to CA; irregular muscovite pegmatite at				
			56.2-56.8m.				
57.00	63.1		Gradation to more biotite rich section, with ir-				
			regular variations of quartz-biotite schist and				
			quartz-muscovite schist; some minor crenulation				
			present.				
			63.1m, End of Hole.				

NEVILLE CROSBY INC.

R. Cowan

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-25

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-25 Sheet No. 1 of 2
Section
Date Begun 20/10/81
Date Finished 23/10/81
Date Logged 24/10/81

Lat. 49897N
Dep. 49800E
Bearing
Elev. Collar ≈ 593m

Total Depth 78.33m
Logged By
Claim
Core Size HQ to 53.94m
NQ to 78.33m

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO
0	2.13		Casing.					3
2.13	7.31	95%	Quartz-biotite schist, occasionally augen-like in	734V	6.71	7.71	1.0m	0.01
			aspect; cl. at 50° to CA; core broken and oxidised	735V	7.71	8.23	0.52m	0.01
			at 6.8-7.3m.	736V	12.19	13.72	0.53m	0.01
7.31	22.85	98%	Coarse, porphyritic biotite-quartz monzonite with	737V	21.34	22.56	1.22m	0.01
			some xenoliths at 7.5-8.9m; central portion of the	738V	22.56	23.78	1.22m	0.01
			unit is distinctly coarser in phenocrysts size,	739V	23.78	25.0	1.22m	0.01
			up to 2cm. in length; percentage of phenocrysts					
			is higher near the margins of the unit.					
22.85	27.43	98%	Weakly and variably silicified zone with some					
			weak sericitisation; remnant cl. at 70° to CA.					
27.43	34.1		Grades into fine grained dark quartz-biotite					
			schist; core broken from 238.2-29.4m; minor					
			chlorite present; 40cm. calc-silicate at 30.01m;					
			banding at 20° to CA.					
34.1	36.57	90%	Somewhat broken, blocky zone with fragments of					
			quartz vein present.					
36.57	53.94	98%	Quartz-biotite schist; cl. at 65° to 70° to CA;					
			with zone of crenulation at 36.6-40.0m; some					
			broken core present; quartz veins much reduced in					
			frequency; broken core at 49.0-50.9m; sand seam					

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-25

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-25 Sheet No. 2 of 2
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO_3
			at 53.94m (core change to NQ).					
53.94	71.32	94%	Quartz-biotite schist, with a thin zone of					
			secondary silicification at 61-63m; cl. consis-					
			tently at 70° to CA; poor recovery (50%) at					
			66.75-69.8m; quartz stringers more evident below					
			the sand seam.					
71.32	74.00		Skarn unit with potash feldspar, minor garnet	740V	71.02	71.52	0.50m	0.06
			and traces scheelite over 71.3-72.3m; weak band-	741V	71.52	72.02	0.50m	0.01
			ing at 70° to CA.	742V	72.02	72.52	0.50m	0.01
74.00	77.1		Quartz-biotite schist as above.					
77.1	78.33		Quartz vein with occasional minor blebs of po.					
			78.33m, circulation lost, hole abandoned, hole					
			terminated.					

NEVILLE CROSBY INC.

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-26

DIP TEST		
	Angle	
Footage	Reading	Corrected
0	-90°	

Hole No. T-81-26 Sheet No. 1 of 3
Section
Date Begun 26/10/81
Date Finished 28/10/81
Date Logged 29/10/81

Lat. 50300N
Dep. 49750E
Bearing
Elev. Collar ±575m

Total Depth 72.24m
Logged By R. Wares
Claim
Core Size HQ

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE ●	FROM	TO	WIDTH OF SAMPLE
0	8.1		Casing.				
8.1	9.1	50%	Broken, blocky, grey, fine grained quartz schist.				
9.1	11.3	50%	Broken muscovite-pegmatite.				
11.3	13.1	90%	Grey, quartz-biotite schist.				
13.1	20.1	95%	Grey to cream, fine grained, micaceous quartzite; secondary silicification from 15.0-16.2m, with 10cm. quartz vein at 16.2m; core broken with some secondary kaolonite at 18.3-19.2m; occasional graphitic partings present.				
20.1	20.5		Kaolonite/graphite gouge zone.				
20.5	21.95		Grey, slightly calcareous, quartz schist with weak cl. at 65° to CA; graphitic slip at 21.1m at 65° to CA.				
21.95	22.7		Broken graphitic zone.				
22.7	23.2		Pale grey, bleached zone with mild development of clay minerals.				
23.2	28.05		Grey, generally massive, quartz-muscovite-chlorite schist with traces py. present; occasional thin 2cm. quartz stringers present at 80° to CA; minor chlorite/sericite alteration present; cl. at 60° to CA.				

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING **HOLE No.** T-81-26

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-26 Sheet No. 2 of 3
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	%WO3
28.05	33.83	98%	Grey, fine grained limestone, with variable skarn development; from 28.65-31.1m, weakly banded skarn with minor garnet, potash feldspar from 28.8-29.0m; banding at 70° to CA; becoming mottled in aspect from 28.95-31.39m; irregular 15cm. quartz veins with minor chlorite at 31.7-32.8m; irregular silicified section at 32.92-33.83m; rare specks of scheelite present but in trace amounts; scheelite localised where minor garnet development is present.		28.6	29.6	1.0m	0.01
					31.5	32.5	1.0m	0.01
33.83	39.47	90%	Slightly calcareous, quartz-biotite-chlorite schist with cl. at 55° to CA; irregular septae of pervasive silicification present; broken quartz vein at 34.0-34.3m; broken quartz vein from 35.46-35.76m; muscovite pegmatite at 37.39-37.95m; kaolinisation and minor graphite at 38.55-39.47m.					
39.47	55.23		Gradation to grey, fine grained quartz-muscovite-chlorite schist, pale in colour, grading into mottled zone with secondary quartz augen at 42.1m-42.7m.					

R. Wares

DIAMOND DRILL RECORD

PROPERTY THANKSGIVING HOLE No. T-81-26

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. T-81-26 Sheet No. 3 of 3
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOV.	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
55.23	60.01		Strongly bleached, deformed, quartz-biotite				
			schist with cl. at 48° to CA. Section from 56.3-				
			60.0m silicified sheared material with 5% recovery				
60.01	72.24	10%	Broken, silicified zone with reticulate network				
			of alteration and silicification.				
			72.24m, circulation lost, hole abandoned, End of				
			Hole.				

NEVILLE CROSBY INC.

R. Wares

HOLE #	Angle	Casing	Depth
T-1-81	-45	5.49	74.89
T-81-2	-90	3.66	50.90
T-81-3	-70	3.66	25.91
T-81-4	-90	3.66	93.57
T-81-5	-90	16.15	74.37
T-81-6	-45	3.66	25.60
T-81-7	-90	3.66	82.60
T-81-8	-90	3.66	41.45
T-81-9	-90	3.05	58.52
T-81-10	-62	3.04	46.94
T-81-11	-90	3.66	75.29
T-81-12	-90	4.27	60.96
T-81-13	-90	3.05	50.44
T-81-14	-90	6.1	134.11
T-81-15	-90	26.52	26.52
T-81-16	-90	4.57	127.10
T-81-17	-90	10.3	89.92
T-81-18	-90	4.26	78.33
T-81-19	-90	4.90	76.50
T-81-20	-90	25.60	48.10
T-81-21	-90	4.60	26.80
T-81-22	-90	21.0	72.20
T-81-23	-90	3.35	37.79
T-81-24	-72	7.32	63.10
T-81-25	-90	2.13	78.33
T-81-26	-90	8.10	72.24
	TOTAL	189.42	1819.58

Depths in metres

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,041
Part 5 of 6

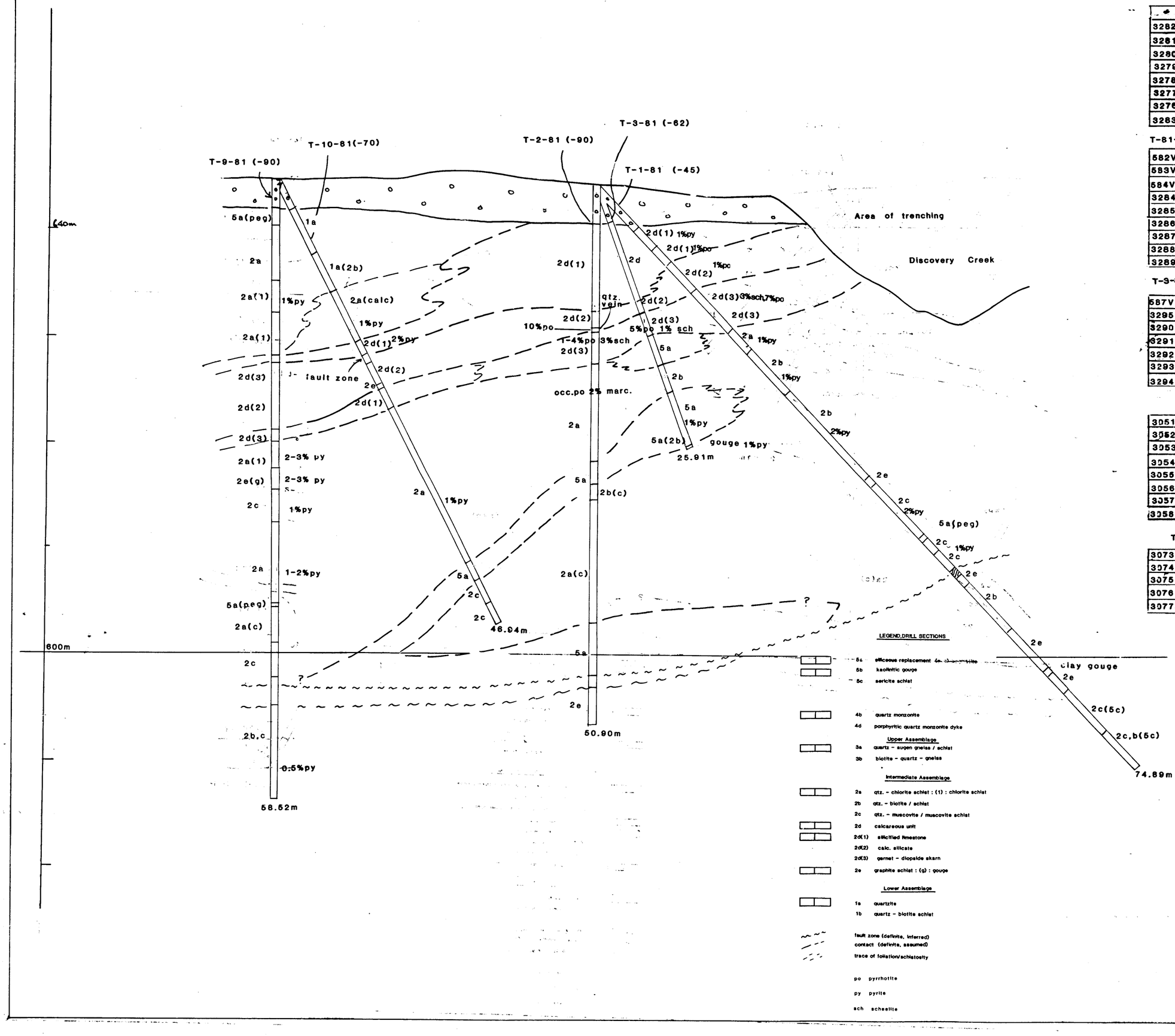
NORTHAIR MINES LIMITED

SCALE 1:2500 | APPROVED BY | DRAWN BY RWong
DATE Dec 1980 | REVISED

DIAMOND DRILL LOCATIONS

THANKSGIVING PROPERTY | DRAWING NUMBER 3

WNW ——— 120° ——— ESE



LEGEND,DRILL SECTIONS

- 5c siliceous replacement (e.g. greisen)
- 5b kaolinitic gouge
- 5c sericite schist
- 4b quartz monzonite
- 4d porphyritic quartz monzonite dyke

Upper Assemblage

- 3a quartz – augen gneiss / schist
- 3b biotite – quartz – gneiss

Intermediate Assemblage

- 2a qtz. – chlorite schist : (1) : chlorite schist
- 2b qtz. – biotite / schist
- 2c qtz. – muscovite / muscovite schist
- 2d calcareous unit
- 2d(1) silicified limestone
- 2d(2) calc. silicate
- 2d(3) garnet – diopside skarn
- 2e graphite schist : (g) : gouge

Lower Assemblage

- 1a quartzite
- 1b quartz – biotite schist

fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

po pyrrhotite
py pyrite
sch scheelite

T-81-1

	From	To	Width	%WO3
3282	13.51	14.03	0.52	0.01
3281	14.03	14.53	0.50	1.83
3280	14.53	15.04	0.51	0.037
3279	15.04	15.54	0.50	3.53
3278	15.54	16.05	0.51	10.46
3277	16.05	16.56	0.51	1.98
3276	16.56	17.07	0.51	2.99
3283	17.07	17.57	0.51	0.20

T-81-2

582V	11.28	11.78	0.50	0.04
583V	12.80	13.31	0.51	0.01
584V	13.31	13.71	0.41	0.01
3284	13.71	14.12	0.41	0.01
3285	14.12	14.63	0.51	0.01
3286	14.63	15.14	0.51	0.59
3287	15.14	15.65	0.51	9.08
3288	15.65	16.15	0.50	3.15
3289	16.15	16.66	0.51	0.01

T-3-81

587V	11.68	12.19	0.51	0.01
3295	12.19	12.70	0.51	3.15
3290	12.70	13.21	0.51	0.33
3291	13.21	13.72	0.51	0.17
3292	13.72	14.22	0.50	0.01
3293	14.22	14.78	0.56	0.79
3294	14.78	15.29	0.51	0.07

T-81-9

3051	21.23	21.74	0.51	0.03
3052	21.74	22.25	0.51	0.02
3053	22.25	22.76	0.51	0.01
3054	22.76	23.37	0.51	0.01
3055	23.37	23.87	0.50	0.19
3056	23.87	24.38	0.51	0.05
3057	24.38	24.89	0.51	0.02
3058	24.89	25.40	0.51	0.013

T-81-10

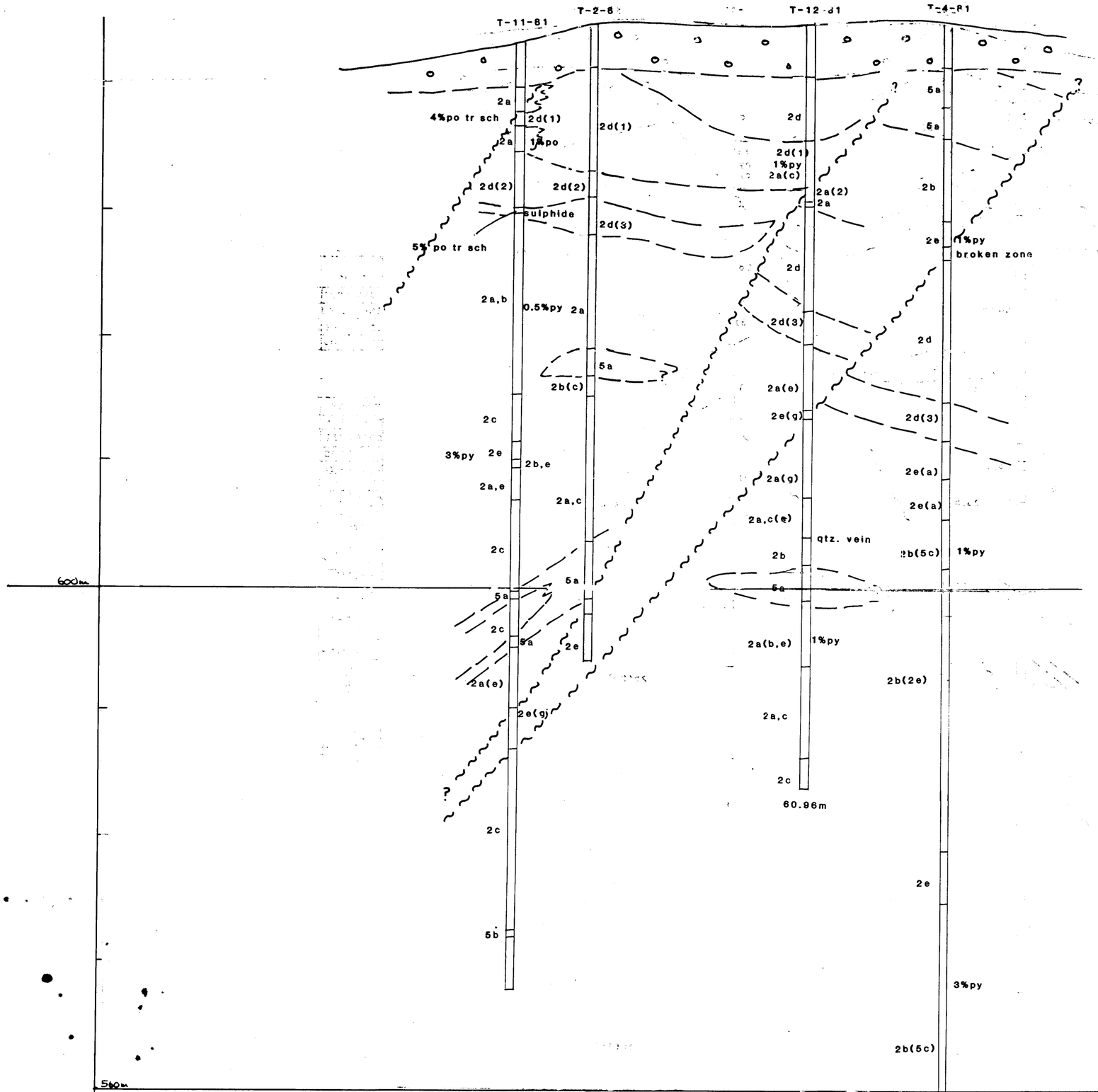
3073	17.37	17.88	0.51	0.015
3074	17.88	18.39	0.51	0.013
3075	18.39	18.90	0.51	0.013
3076	18.90	19.40	0.50	0.031
3077	19.40	20.01	0.61	0.044

Part 5 of 6

NORTHAIR MINES LTD.	
DRILL SECTION #1	
Project: Thanksgiving	Drawn: R. Wares
Date: Dec. 1981	Approved:
Scale: 1:250	Revised:
N.T.S.	Figure: 6

SW

NE



T-81-4

#	from	to	width	WO_3
588V	3033	3094	051	001
589V	3094	3155	061	001
590V	3155	3206	051	001
591V	3206	3261	055	001

T-81-11

3086	671	721	050	030
3087	721	772	051	001
3088	772	823	051	0013
3089	823	884	061	0037
3090	884	935	001	0026
3091	935	985	050	001
3092	985	1046	061	001
3093	1046	1128	082	0022
3094	1128	1189	061	0044
3095	1189	1250	061	005
3096	1250	1311	061	008
3097	1311	1361	050	014
3098	1361	1417	056	025

T-81-12

3108	2347	2408	061	003
3109	2408	2469	061	003
3110	2469	2530	061	002
3111	2530	2591	061	001
3112	2591	2652	061	001
3114	3170	3322	152	007
3113	4046	4086	028	001
3115	4988	5070	102	005
3116	5558	5703	142	006

LEGEND, DRILL SECTIONS

- 5a siliceous replacement (peg) pegmatite
- 5b kaolinitic gouge
- 5c sericite schist
- 4b quartz monzonite
- 4d porphyritic quartz monzonite dyke

Upper Assemblage

- 3a quartz – augen gneiss / schist
- 3b biotite – quartz – gneiss

Intermediate Assemblage

- 2a qtz. – chlorite schist : (t) : chlorite schist
- 2b qtz. – biotite / schist
- 2c qtz. – muscovite / muscovite schist
- 2d calcareous unit
- 2d(1) silicified limestone
- 2d(2) calc. silicate
- 2d(3) garnet – diopside skarn
- 2e graphite schist : (q) : gouge

Lower Assemblage

- 1a quartzite
- 1b quartz – biotite schist

fault zone (definite, inferred)
contact (definite, assumed)
trace of foliation/schistosity

po pyrrhotite
py pyrite
sch scheelite

NORTHAIR MINES LTD.	
DRILL SECTION #2	
Project: Thanksgiving	Drawn: R. Ware
Date: Dec. 1981	Approved:
Scale: 1:250	Revised:
N.T.S.	Figure: 6