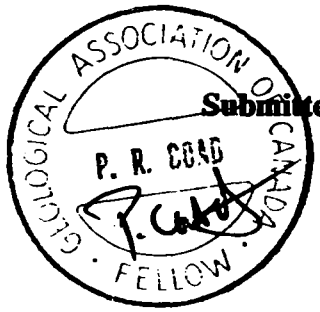
MIKWAM JOINT VENTURE

ASSESSMENT REPORT

TRADER RESOURCE CORP.

NOVEMBER 1993



Submitted by:

P. Coad,
Royal Oak Mines Inc.
Timmins, Ontario

November 1993

SUMMARY

A total of nine holes, MK92-1 through MK92-9 (2,597m), were diamond drilled on the Mikwam Joint Venture in NE Ontario during 1992. During Phase 1 (June 16-July 3, 1992) diamond drill holes MK92-1 through MK92-6 were completed for a total of 1,600m. Note - MK92-6 was drilled in Dieppe Twp., Quebec (400m). During Phase 2 (December 1-16, 1992) holes MK92-7 through MK92-9 were completed for a total of 997m. Holes MK92-1 through MK92-5 were drilled in the A8 Area, where Newmont reported an ore grade intersection in 11985 (i.e. 7.95 gpt Au (2.9m) in hole 26085A1). MK92-1 returned the best intersection in 1992, grading 5.61 gpt Au (7.2m) or 0.164 opt Au (23.6'), including 8.157 gpt Au (4.3m) or 0.238 opt Au (14.1') at a vertical depth of 160m. The most significant assays occur within semi-massive pyrite and associated arsenopyrite and not in the spatially associated quartz, which is hosted within a quartz-eye phyric, sericitized and siliceous intermediate-felsic tuff. There is a possibility that the above intersection represents sulphidization of an iron formation unit, expressed near surface by a magnetic axis "peak-high". All the stratigraphy logged during Phase 1 is definitely folded and available information indicates that I.P. anomalies represent fault structures.

Phase 2 drilling focused in the "102" Area of Hoblitzell Twp., in the Golden Shield portion, or western part, of the Mikwam Joint Venture. The stratigraphy is marked by variably magnetic iron formation and high iron-tholeiites to the north and tuffaceous sediments to the south. Significant gold values were intersected in all three holes, however no ore grade intersections were encountered. Highest gold values occur with variably sulphidic quartz veins within or near magnetite-rich rocks. The tuffaceous-sediments are dirtied by finely disseminated magnetite (+/- chlorite and biotite) with local clasts and are locally QE (colourless) phyric. The tuffaceous-sediment package is locally marked by variable widths of albitization and hematization, particularly strong in the L-102 to L-105 area - note strong anomalous gold values are locally spatially associated with this alteration (i.e. 780 ppb Au over 4.5m at 108.50-113.00 in MK92-8). Blue quartz-eyes are locally present in the altered tuffaceous sediments. This alteration horizon within the tuffaceous sediments should provide a useful regional stratigraphic marker.

Massive, banded pyrite exhalite with garnets was intersected over 0.17m at the basalt/sediment contact in MK92-9 (291 ppm Cu).

A total of $368,106.34 (unloaded) was expended during 1992. Average direct drilling costs totalled $99.26 per metre.

TABLE OF C

32E12SE0002 W9380-00302 HOBLITZELL

010C

APPENDICES

COMMODITIES

Au.

DEPOSIT TYPE

Vein-type gold mineralization (i.e. Casa Berardi) and exhalative-type? sulphide-gold mineralization (i.e. Estrades and Agnico-Eagle). Les Mines Casa Berardi are located 15 kms ENE of the eastern boundary of the Mikwam property. Published reserves at Les Mines Casa Berardi, to the end of 1991, are 9.4 million tons (proven and probable) grading 0.25 o.p.t. Au and 2.6 million tons (possible) grading 0.15 o.p.t. Au (Northern Miner, August 10, 1992).

LOCATION (NTS 32E/5, 5, 11, 12; -49°30'N, 79°45'W)

The Mikwam property forms a linear band straddling most of Hoblitzell Twp. and all of Noseworthy and Bradette Twps. in northeast Ontario. These three townships all occur within the Larder Lake Mining Division 155 kms northeast of Timmins, Ontario. The eastern boundary of the property is located in Dieppe Twp. in northwest Quebec (Figure 1). The property is approximately 36 kms long and in Noseworthy Twp., its widest point, is 7 kms wide.

ACCESS

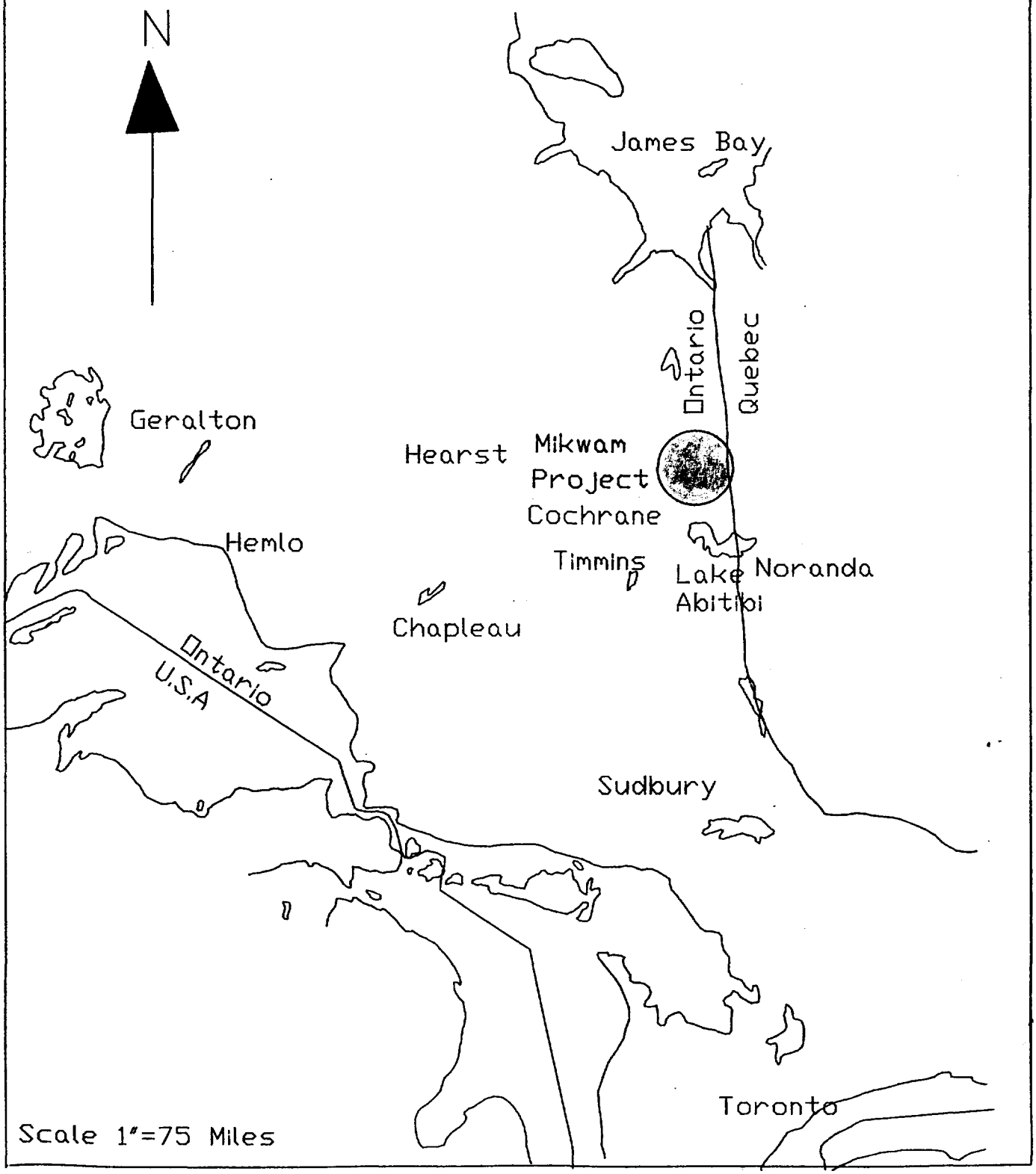
Access to the Mikwam property is limited to helicopter and in rare locations to fixed wing aircraft during the summer and fall periods. Larger tracked, muskeg-type vehicles can negotiate local terrain in this period, but creeks and rivers offer major obstacles to complete access.

In winter it is possible to traverse the entire property on an existing network of winter roads which have been generated over the last eight to ten years by Newmont and other major companies such as Noranda and Esso Minerals who have also been active in the area.

Ice bridges, however, must be constructed on the Turgeon River, if access is desired from the east via La Sarre, Quebec, or on the Burntbush River, if access directly to the central and/or western parts of the property via Cochrane, Ontario is preferred.

A winter road system currently extends across Bradette, Noseworthy and Hoblitzell townships. In the east it links up with the all-weather Casa Berardi road in Dieppe Twp., Quebec. The Casa Berardi road itself originates 34 kms north of Villebois, off the Selbaie road. In the west, Newmont's road connects with the northern winter extension of the gravelled Tomlinson (township) road which in turn adjoins Abitibi's all-weather Trans Limit Road which runs between Cochrane and Iroquois Falls and the Quebec-Ontario border north of Lake Abitibi.

REGIONAL LOCATION MAP



PROPERTY

The Mikwam property consists of 588 contiguous, unpatented claims stretching across Hoblitzell, Noseworthy and Bradette Twps. in Ontario and into Dieppe Twp. in Quebec (12 claims) - see appended Schedule A (Appendix D) for a listing of the individual claims (Township Grouping).

OWNERSHIP

The Mikwam property is a Joint Venture between Trader Resource Corporation (50%), Hemlo Gold Mines Inc. (30%), and Freewest Resources Inc. (20%). Golden Shield Resources Ltd. retains a 15% net profits interest in the westernmost 97 claims as per an underlying agreement with Newmont. The 1992 diamond drill program was completed by Trader Resource Corporation.

MINERAL INVENTORY

None.

EXPENDITURES

Approved expenditures (loaded) between January 1 and December 31, 1992, on the Mikwam Joint Venture totalled $423,322.29. Total direct expenditures (unloaded) totalled $368,106.34. Direct drilling costs totalled $257,788.43, or $99.26 per metre. A detailed account of the Mikwam expenditures is listed in Table 1.

INTRODUCTION

During April through June of 1992, the entire Mikwam Joint Venture project was computerized and incorporated into Royal Oak's Lynx computer system in Timmins. All previous geological legends used by previous operators were modified to mesh with Royal Oak's regional geological legend (see Appendix C).

The 1992 diamond drill program was completed in two phases. Phase 1 was completed between June 16 and July 3, 1992, utilizing one Bradley Bros. Limited diamond drill, with helicopter support from a camp setup in a gravel pit near the north end of the Tomlinson road. Six holes were completed for a total 1,600m of BQ core. Five holes were drilled in the A8 Area (Noseworthy Twp., Ontario) and one hole was drilled in Dieppe Twp, Quebec. All casing was left in the holes. All core was logged on site and subsequently strapped and transported to Royal Oak's core sawing facilities in Timmins for processing. All holes were assayed in their entirety, either in specified sawed intervals or as a "grab sample", whereby "buttons" of whole core were selected over a specified interval for fire assaying and A.A. finish (1AT) by Royal Oak's assay laboratory in Schumacher, Ontario. Selected intervals of core were also analyzed for arsenic. All rejects/pulps are catalogued and stored for future reference. All core is labelled and racked in an all-weather storage facility in Schumacher.

Total 2597m (400m in Quebec)

TRADER RESOURCE CORPORATION
STATEMENT OF APPROVED EXPENDITURES
1992 (TO DECEMBER 31, 1992)

PROJECT NAME: Mikwam — TRADER % INTEREST (VESTED): 50%

PROPERTY NAME: Mikwam — TRADER % INTEREST (EARNING): 2197m in ONTARIO

REFERENCE NO.: 2703 — % EXPENDITURES APPLIED: 100% — or 84.6%

ACCOUNT NO.	DESCRIPTION OF ACTIVITY	DEC 31 YTD TOTAL
5500	AREA/MISC.	$ 1242.50
5505	OFFICE RENT	1451.78
5510	MANAGEMENT FEE	10.35
5515	OFFICE SUPPLIES	1392.50
5520	COMPUTER SERVICES	6074.45
5525	PROFESSIONAL SERVICES	66635.13
5530	SUPPORT SALARIES	0.00
5535	CONSULTANTS	3535.00
5540	VEHICLE LEASE	4161.87
5545	FUEL	1350.80
5550	TRAVEL & EXPENSES	708.19
5560	PROPERTY MANAGEMENT & TAXES	5904.79
5595	PETROGRAPHY/RESEARCH	200.69
5600	ASSAYS	14210.30
5615	SURFACE CONTRACT DRILLING	257788.43
5625	CORE SAMPLE/STORAGE	3439.56
	TOTAL DIRECT EXPENDITURES	$ 368106.34
	TOTAL INDIRECT EXPENDITURES (15% OF $368106.34)	55215.95
	TOTAL APPROVED EXPENDITURES FOR 1992	$ 423322.29

*311,417.96 ONTARIO

TOTAL APPROVED EXPENDITURES FOR 1992 BY PARTNER:

TRADER RESOURCE (50% SHARE)		$ 211661.15
HEMLO GOLD (30% SHARE)	]NORFREE COMBINED 50%	126996.69
FREEWEST (20% SHARE)	]SHARE = $ 211661.14	84664.45

TOTAL APPROVED EXPENDITURES FOR 1992 BY QUARTER:

1ST QUARTER	$ 12750.45
2ND QUARTER	229358.82
3RD QUARTER	42939.07
4TH QUARTER	138273.95

P. Cook NOV 10, 1993

APPROVED BY: _____ APPROVED BY: _____

NAME: P.G. ROOK-GREEN — NAME: R.F. BURNS

TITLE: CONTROLLER — TITLE: VICE PRESIDENT

Phase 2 was completed between December 1 and 16, 1992, also utilizing one Bradley Bros. Limited diamond drill and the same logistical procedures as in Phase 1. All core was logged and processed in Royal Oak's core logging/sawing facilities in Timmins. Arsenic analyses were not completed during Phase 2, however a number of specimen intervals were analyzed for copper, zinc, silver and lead, along with the usual gold fire assay.

PREVIOUS WORK

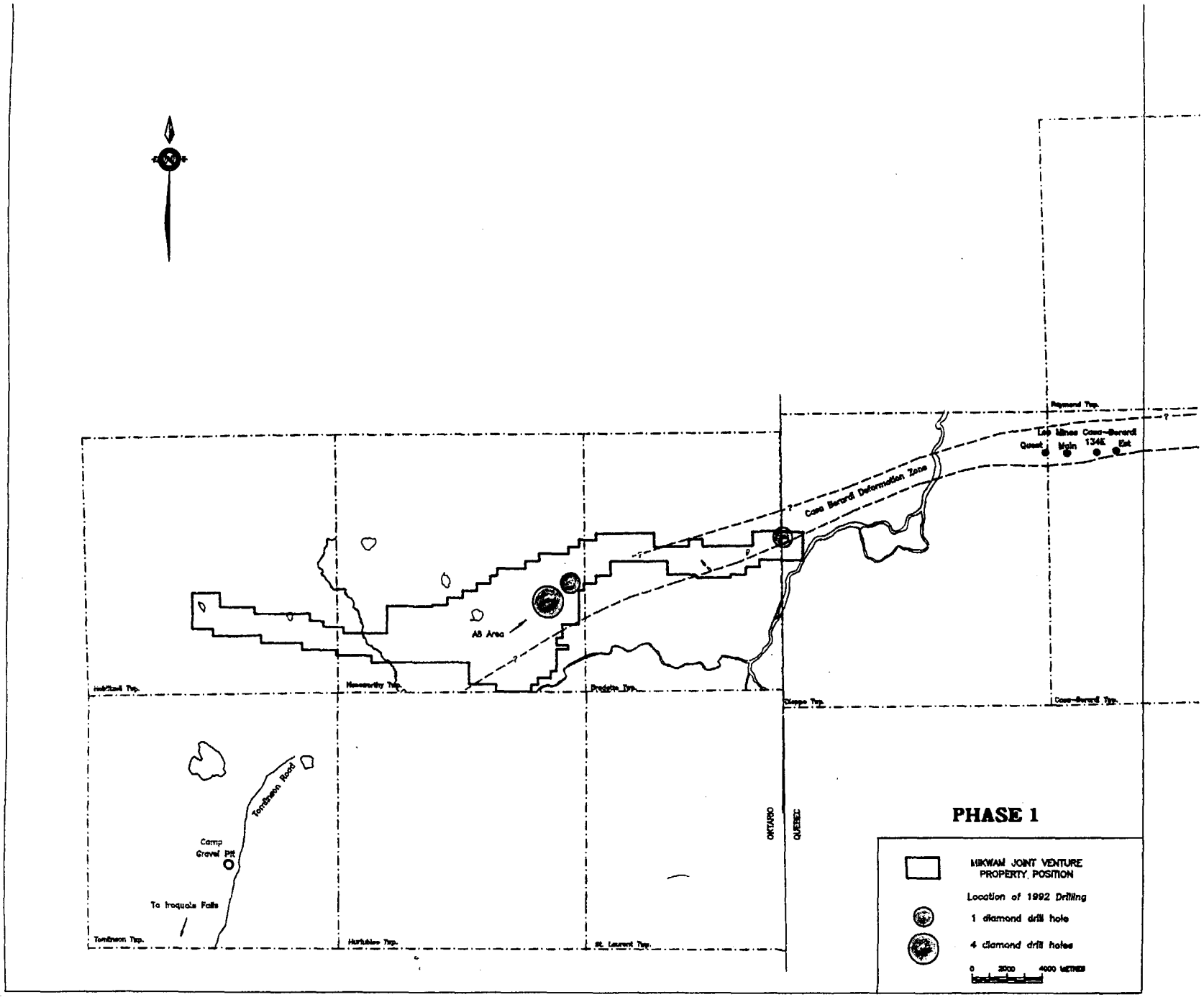
Newmont and joint venture partner Dupont Canada Exploration Limited (50%) first staked the Mikwam property in 1981 and 1982. Dupont underwent a series of name changes between 1984 and 1991 to eventually become Royal Oak Mines Inc. (Dupont Canada Exploration Ltd., to Dupont Canada Inc., to 130020 Canada Inc., to CSA Minerals Inc., to CSA Minerals Corp., to Consolidated CSA Minerals Inc., to Pamorex Minerals Inc., to Royal Oak Mines Inc.). Royal Oak transferred its 50% interest in the Mikwam Joint Venture to Trader Resource Corporation in March, 1992, and retains a 51% ownership of Trader Resource. Newmont sold its portion of the joint venture to Noranda/Freewest in 1989 and subsequently Noranda sold its interest to Hemlo Gold.

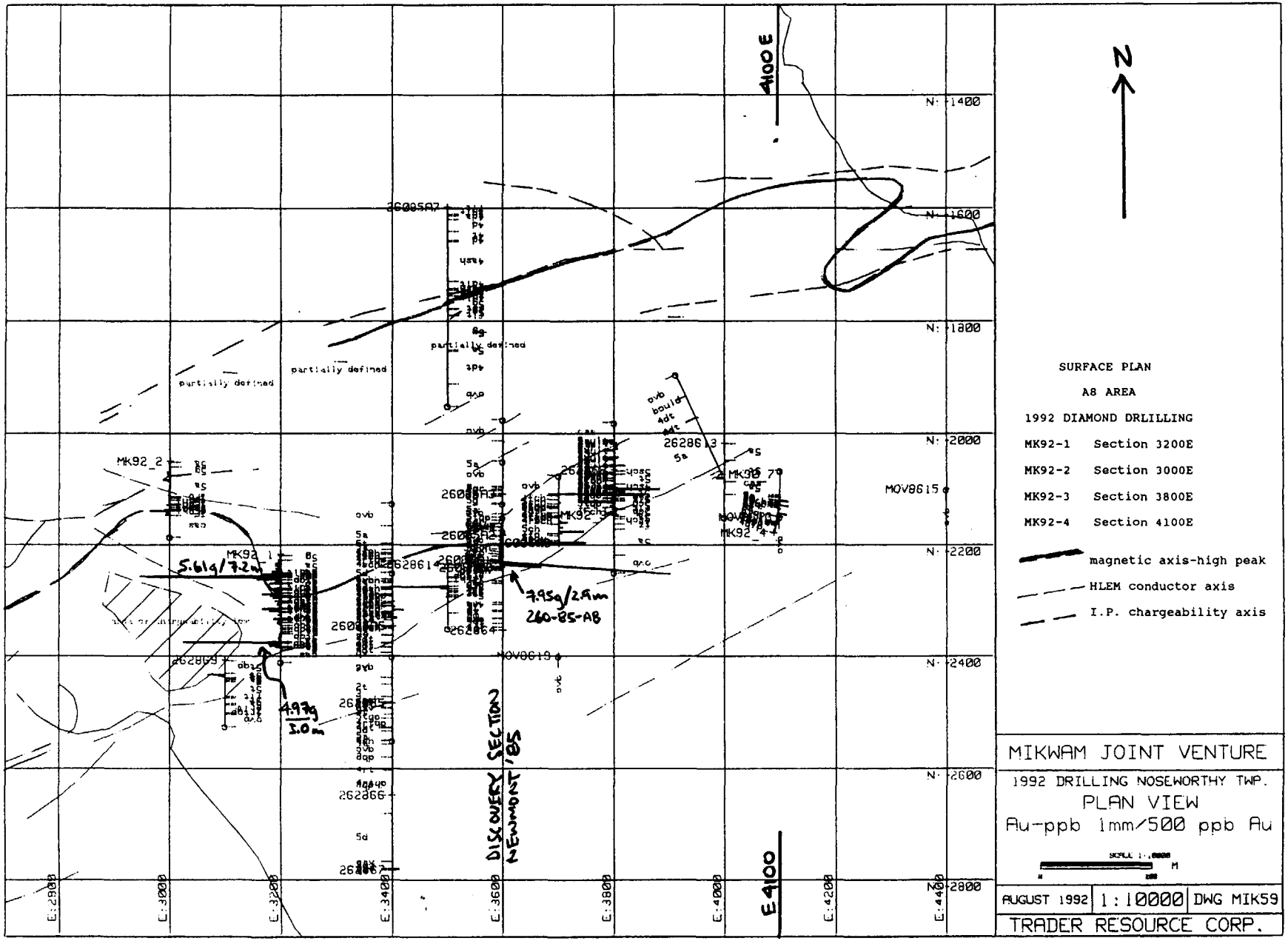
The joint venture believed that the Mikwam property exhibited excellent exploration potential because Hudson Bay had intersected gold mineralization in Quebec near the provincial boundary - this mineralization had arsenopyrite associated with it. Also, Newmont may have been privy to the fact that Inco had pulled a significant intersection on what is now known as Les Mines Casa Berardi - Main deposit in 1981. The joint venture gridded the property (100 m lines) and completed ground magnetometer (entire property), HLEM (Mikwam grid) and I.P. (Golden Shield grid, portions of Mikwam) surveys. These survey results were used to focus overburden drilling (406 holes) across the entire length of the property. Diamond drilling (105 holes - 22,772 m) was done to test various geochemical (till heavy mineral concentrates - HMC) and geophysical anomalies and to provide property-wide stratigraphic information. Eight diamond drill holes (2,362 m) were completed by the current Joint Venture in 1990.

REGIONAL GEOLOGY

The Mikwam property lies within the northern part of the Early Precambrian Abitibi Greenstone Belt of the Superior Structural Province. It occupies a position on the north flank of a northwesterly-trending lobe of the main Abitibi Belt between the northernmost Detour lobe and the main Timmins-Noranda-Val d'Or trend to the south.

Regional reconnaissance mapping was most recently conducted in the area by the Ontario Geological Survey in 1978 as part of a larger regional mapping program. The resulting Geological Map, No. 2453 (1:100,000 scale) by G.W. Johns, depicts a thick mafic to intermediate volcanic succession centred in St. Laurent and Hurtubise townships.


Raymond Twp.
Lac Minerac Casa-Berardi
Quest
Main
134E
Est
Casa Berardi Deformation Zone
AB Area
Tomlinson Road
Camp
Gravel Pit
To Iroquois Falls
Tomlinson Twp.
Hurtubise Twp.
St. Laurent Twp.
Clappe Twp.
Casa-Berardi Twp.
ONTARIO
QUEBEC
PHASE 1
MIKWAM JOINT VENTURE
PROPERTY POSITION
Location of 1992 Drilling
1 diamond drill hole
4 diamond drill holes
0
2000
4000 METRES


4100 E
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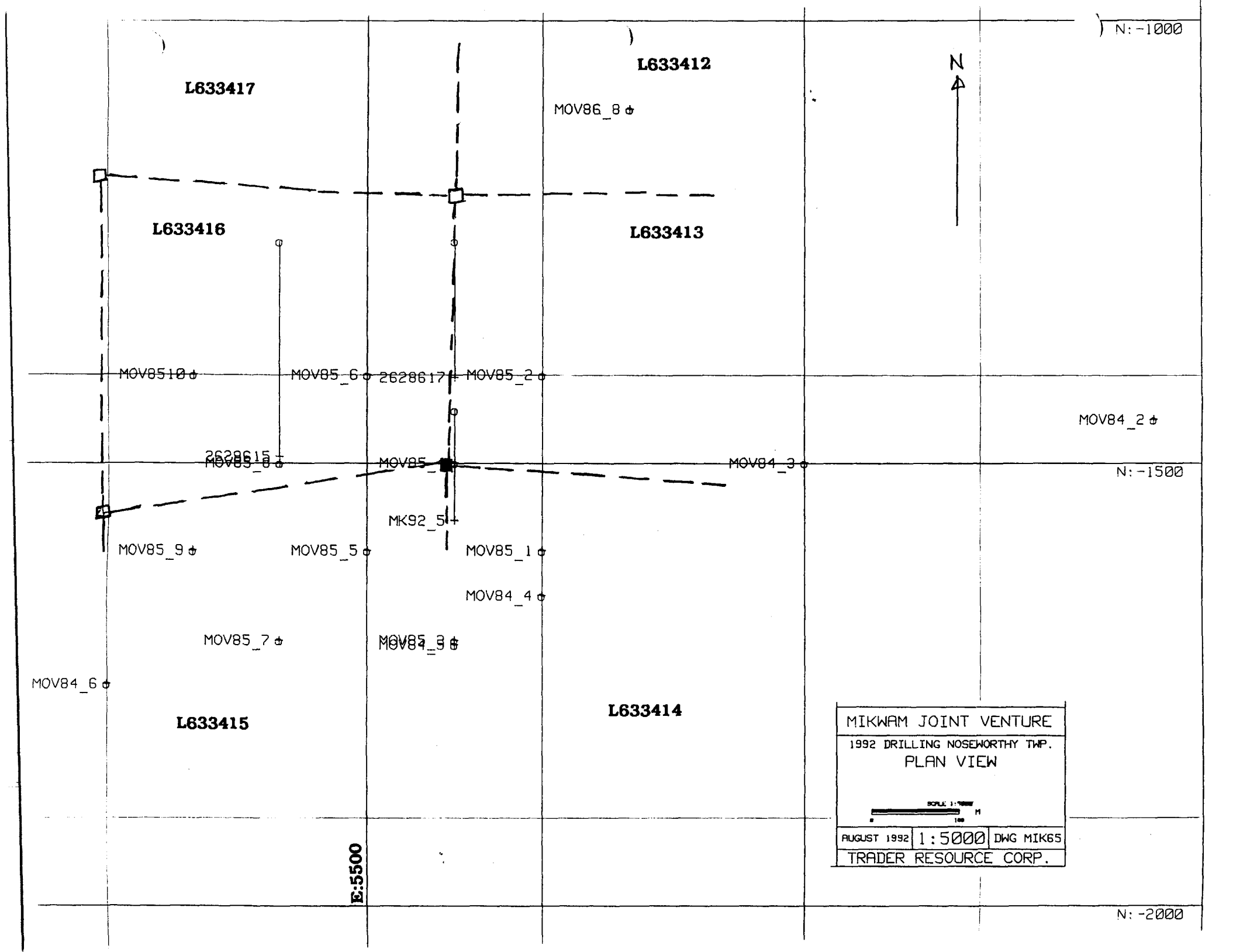
E: 3000
E: 3200
E: 3400
E: 3600
E: 3800
E: 4000
E: 4200
E: 4400
E 4100
N
partially defined
partially defined
partially defined
MK92_2
MK92_1
MK92_3
MK92_4
MK92_7
MOV8615
MOV8619
5.61g/7.2m
7.95g/2.9m
260-85-AB
4.97g
1.0 m
DISCOVERY SECTION
NEWMONT '85
SURFACE PLAN
A8 AREA
1992 DIAMOND DRLILLING
MK92-1 Section 3200E
MK92-2 Section 3000E
MK92-3 Section 3800E
MK92-4 Section 4100E
magnetic axis-high peak
HLEM conductor axis
I.P. chargeability axis
MIKWAM JOINT VENTURE
1992 DRILLING NOSEWORTHY TWP.
PLAN VIEW
Au-ppb 1mm/500 ppb Au
AUGUST 1992
1 : 10000
DWG MIK59
TRADER RESOURCE CORP.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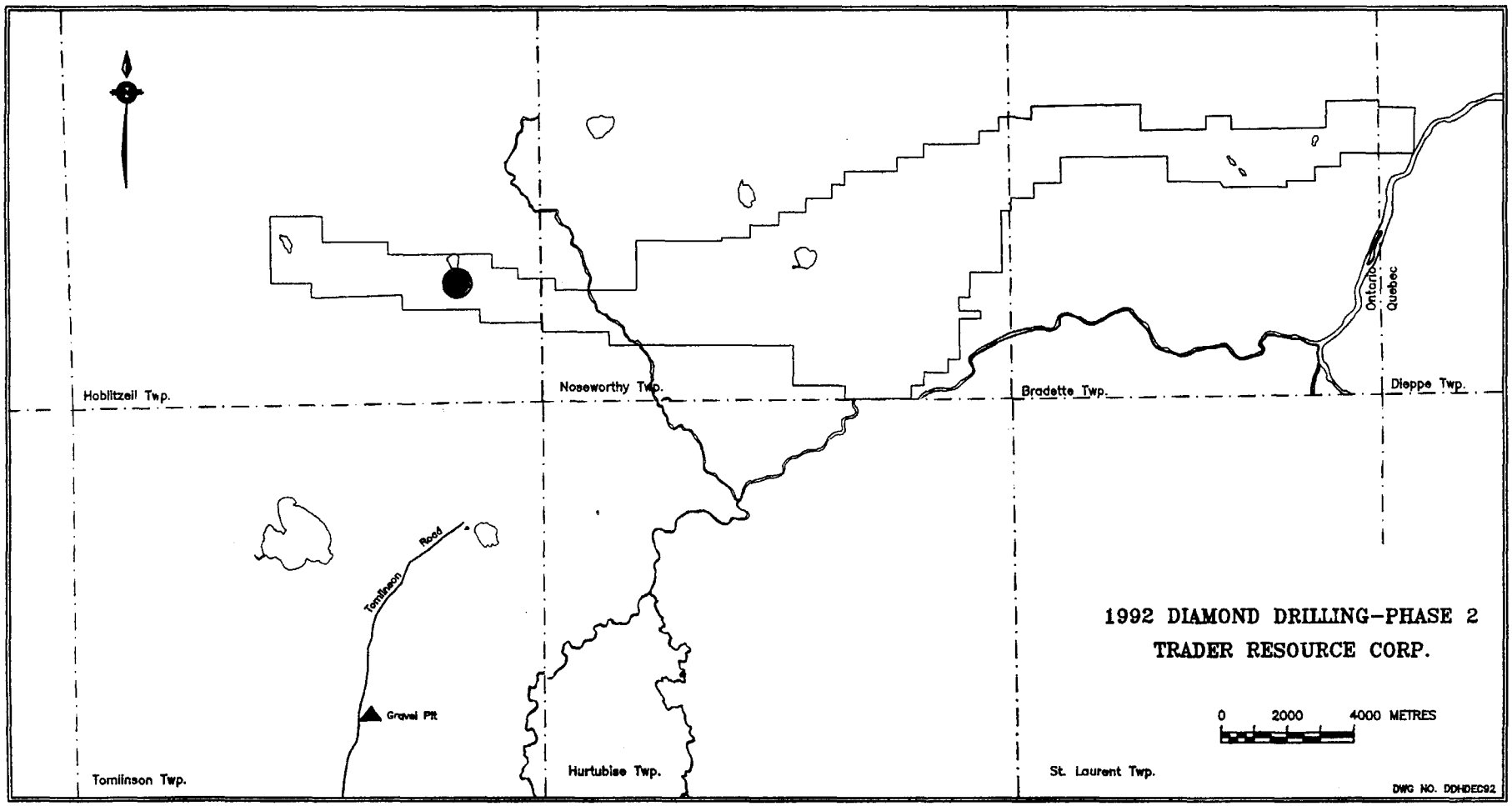
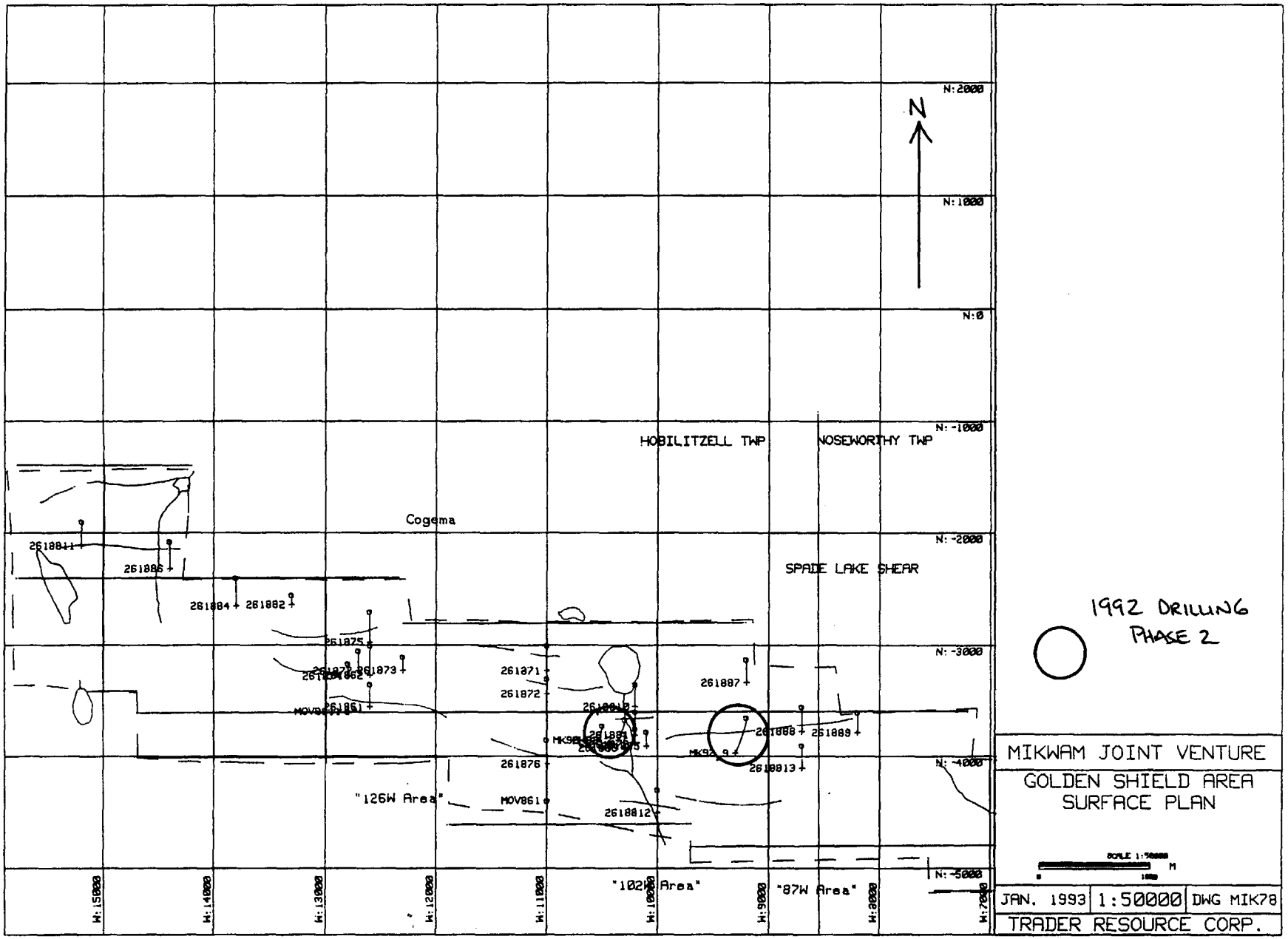
L633412
N
MOV86_8
L633416
L633413
MOV85_10
MOV85_6
2628617
MOV85_2
MOV84_2
2628615
MOV85_8
MOV85_
MOV84_3
N:-1500
MK92_5
MOV85_9
MOV85_5
MOV85_1
MOV84_4
MOV85_7
MOV85_3
MOV84_6
L633415
L633414
E:5500
N:-2000
MIKWAM JOINT VENTURE
1992 DRILLING NOSEWORTHY TWP.
PLAN VIEW
AUGUST 1992
1:5000
DWG MIK65
TRADER RESOURCE CORP.


Hoblitzell Twp.
Noseworthy Twp.
Bradette Twp.
Dieppe Twp.
Ontario
Quebec
Tomlinson Road
Gravel Pit
Tomlinson Twp.
Hurtubise Twp.
St. Laurent Twp.
1992 DIAMOND DRILLING-PHASE 2
TRADER RESOURCE CORP.
0 2000 4000 METRES
DWG NO. DDHDEC92


N:2000
N:1000
N:0
N:-1000
N:-2000
N:-3000
N:-4000
N:-5000
N
HOBILITZELL TWP
NOSEWORTHY TWP
Cogema
SPADE LAKE SHEAR
261881
261886
261884
261882
261875
261873
261871
261872
261887
261851
261876
261888
261889
261813
"126W Area"
MOV861
261812
"102W Area"
"87W Area"
W:15000
W:14000
W:13000
W:12000
W:11000
W:10000
W:9000
W:8000
W:7000
1992 DRILLING
PHASE 2
MIKWAM JOINT VENTURE
GOLDEN SHIELD AREA
SURFACE PLAN
JAN. 1993
1:50000
DWG MIK78
TRADER RESOURCE CORP.

Overlying the mafic volcanics to the north is a thick sequence of intermediate to felsic metavolcanic rocks centred in Bradette township. This mixed volcanic sequence extends westward into southern Noseworthy and northeastern Hurtubise townships where they abruptly appear to fade out. The more felsic stratigraphy is capped by a thick series of epiclastic and chemically derived metasediments. The sediments directly overlie the mafic volcanic pile in Hoblitzell township. No major intrusive bodies have been identified as yet in the upper part of the volcano-sedimentary pile on or about the Mikwam property. North of the sediments the terrain is gneissic (Corstorphine, 1991).

MIKWAM GEOLOGY

The Mikwam property covers approximately 36 kms of projected westerly strike extension of the Casa Berardi Fault Zone (CBFZ), commencing approximately 15 kms west of the Gold Pond gold deposits, now referred to as Les Mines Casa Berardi. The "Golden Pond Main" deposit was found in 1981 by Inco Gold and in 1983 the Golden Knight Company obtained an agreement with Inco and earned a 40% share in the property in exchange for exploration financing. A reverse circulation drilling program began the same year and contributed greatly to the identification of anomalous gold zones. Inco-Golden Knight discovered the "Golden Pond East" zone in 1984 and the "Golden Pond West" and 134E (the continuity of the "Golden Pond Main" zone on the Dome Exploration ground) deposits in 1985.

TVX Gold (formerly Inco Gold) and Golden Knight Resources have recently announced the discovery of two new gold zones about 100m NE of their jointly owned Casa Berardi Est mine, on the north side of the east-west trending Casa Berardi fault (Northern Miner, August 10, 1992). Les Mines Casa Berardi are developed within argillaceous/greywacke/sediments with spatially associated conglomeratic/agglomeratic/ tuffaceous sediments, iron formation and mafic volcanics. The ore can be hosted in structured quartz vein "masses" or be associated with altered tuffaceous sediments mineralized with disseminated pyrite and arsenopyrite. The ore, particularly in La Mine Casa Berardi Ouest, is associated with complex folding near to faults/sediment/volcanic contacts. Sericite and silica alteration is particularly prevalent adjacent to ore zones. Fine grained arsenopyrite is apparently present throughout Les Mines Casa Berardi stratigraphy and background gold values in all rock types averages a minimum of 100 ppb Au (Coad, 1990).

Reserves to the end of 1991 totalled 9.4 million tons (proven and probable) grading 0.25 opt Au and 2.6 million tons (possible) grading 0.15 opt Au. Average cash cost is an excellent US$186 per oz. In 1991, production totalled 119,000 ounces (592,000 tons of ore).

The exact position of the westward extension of the Casa Berardi Fault Zone (CBFZ) into Ontario has not been formally recognized, however it is possible that the southern limit of the CBFZ might "track" through the Dieppe portion of the Mikwam property. Previous diamond drilling in the Dieppe portion of the Mikwam property indicated that the stratigraphy consists of a steeply dipping, east-west trending package of mafic volcanics in the south, followed northward by a complex package of intercalated sediments and tuffs containing greywacke, argillite, conglomerate, intermediate to felsic

tuffs/pyroclastics and local oxide iron formation. The exact nature of the northern limits of the property are unknown. The fact that two new gold-bearing zones have been discovered north of the east-west trending Casa Berardi fault (Northern Miner, August 10, 1992) implies that similar occurrences might also exist south of the Casa Berardi fault and that basically the entire east-west trending Casa Berardi deformation zone exhibits potential for hosting economic deposits.

Recent descriptions of the Casa Berardi geology and associated mineralization are described by Pilote et al (1990) and Lacroix et al (1990).

RESULTS OF THE 1992 PROGRAM - PHASE 1

Summary and detailed field logs are appended to this report (Appendices A and B). The reader should review these individual logs and pertinent sections and plans (Appendix E) for a detailed account of the 1992 diamond drilling results. Table 2 - **Summary of 1992 Diamond Drilling** - lists the significant assay results and pertinent geological facts gleaned from the drilling. A complete list of pertinent assay results is also included in Table 3. The following points highlight the salient information gleaned from the 1992 Phase 1 program:

1. The Mikwam stratigraphy is folded with variable dip attitudes, as marked by the oblique angle that the F1 cleavage foliation makes with the bedding, microfold structures, crenulation cleavage and repeated "like-units" across stratigraphy.

2. The high-grade intersection obtained in MK92-1 (i.e. 5.61 g/t Au/7.2m, or 0.164 opt Au/23.6', including 8.157 g/t Au/4.3m, or 0.238 opt Au/14.1') occurs in semi-massive pyrite with locally associated disseminated fine grained to coarse grained arsenopyrite. High arsenic values coincide with high gold values. The pyrite is also fine to medium grained and exhibits a crude banding fabric - possibly tectonic. Limited petrographic work indicates that the pyrite is recrystallized and riddled with silicate inclusions and possibly fine grained inclusions of pyrrhotite (?). The sulphide masses are relatively strongly conductive. The semi-massive sulphides occur within an interval of relatively heavy quartz development. The quartz is massive, glassy, variably coloured and locally dirtied with inclusions. The significant assays occur within the sulphide sections and not the quartz - see Table 3. The most immediate host lithology to the sulphide-quartz package is a yellow, moderate to strongly sericitized and siliceous quartz-eye phyric intermediate to felsic tuff (4tqp). Local green mica "zits" can be discerned in this unit as well as crude bands of iron-carbonate with associated pyrite. Note - one can discern thin bands of semi-massive pyrite/arsenopyrite without associated quartz veins. Crenulation cleavage is evident within the tuff unit. The argillite unit (5a) which forms a halo about the mineralized package in MK92-1 is moderately silicified (i.e. relatively hard to scratch).

3. The magnetic axis ("high-peak") that forms a crude Z-shaped fold between section 3000E and 3200E is explained by the presence of oxide and chlorite iron formation on section 3000E (i.e. MK92-2), however it is not explained on section 3200E (i.e. MK92-1). It would appear that the mineralized "zone" (i.e. 5.61 g/t Au/7.2m at 218.0-225.2m in semi-massive pyrite/quartz in MK92-1) might represent the magnetic axis high, however at this particular elevation the iron formation has possibly been sulphidized and blitzed by quartz veining. This is significant because it might have implications for future exploration on the entire Mikwam property (i.e. Tadpole Lake area). The "chargeability low" which is centred on section 3000E might possibly represent an area of relatively flat-dipping stratigraphy with spatially associated quartz veining and possible sulphides.

4. A felsic quartz porphyry unit which was intersected at the bottom of hole MK92-4 on section 4100E appears to also be present in relatively the same stratigraphic position on section 3400E and possibly may extend as far west as the Tadpole Lake area, 7 kms to the west. This may have important regional exploration implications because DDH 262867 on 3400E intersected a sedimentary horizon south of the felsic quartz porphyry (i.e. conglomerate/debris flow) and previous holes in the Tadpole Lake area stopped in porphyry. Note - an anomalous value of 554 ppb Au/0.3m was intersected at the bottom of 262867, spatially associated with 20% quartz-ankerite with 2% pyrite and trace sphalerite.

5. It would appear that visible grains of gold and elevated values of arsenopyrite obtained from HMC do not guarantee proximity to mineralized bedrock. DDH MK92-4, which was drilled under overburden hole 86-16 (11 pristine gold grains in HMC) on section 5600E failed to intersect economic values. It is quite probable that much of the HMC has been affected by an east-west sense of local glacial transport parallel to stratigraphy and structure.

RESULTS OF THE 1992 DIAMOND DRILLING - PHASE 2 - GOLDEN SHIELD AREA

The reader should review individual logs and pertinent sections and plans for a detailed account of the 1992 diamond drilling Phase 2 results. Table 2 - Summary of 1992 Diamond Drilling - lists the significant assay results and pertinent geological facts gleaned from the drilling. A complete list of pertinent assay results is also included in Table 3. The following points highlight the salient information gleaned from the 1992 Phase 2 program:

1. No ore grade intersections were encountered, however significant anomalous geochemical gold values were encountered in all three holes. Best values are as follows:

   MK92-7 1.3 gpt Au (5.10m), including 8.98 gpt Au (0.5m), or 0.262 opt Au (1.6'), in chloritic magnetic iron formation at 18.50-23.60m (19% quartz and trace-3% pyrite associated)

   MK92-8 885 ppb Au (2.0m) at 78.50-80.50m (4% quartz + 2.5% albite + 1% pyrite associated) in albitized and hematized QE phyric tuffaceous sediment

MK92-9 1.08 gpt Au (0.50m) at 37.50-38.00 in a quartz-tourmaline-pyrite zone within variably magnetic basalt [also 187 ppb Au (5.56m) with 17% quartz, 20% albite and 7% pyrite at 127.64-133.20m on the basalt/sediment contact; also 0.17m of massive banded pyrite (garnets nearby) with 291 ppm Cu, in basalt near the basalt/sediment contact].

Highest gold values in all three holes occur with variably sulphidic quartz veins within or near magnetite-rich rocks.

2. The evidence for folded stratigraphy in the Golden Shield Area ("102 Area") is not as readily apparent as in the A8 Area. Microfold structures are only locally discerned and F1 cleavage foliation was only recognized in one or two instances. This is possibly due to the dirty nature of the tuffaceous-sediments (i.e. dirtied by finely disseminated magnetite with local chlorite/biotite and variably albitized and hematized - see below).

3. The northern stratigraphy in the area intersected by drilling is marked by chloritic and magnetic fine grained iron formation and/or chloritic and magnetic, fine grained massive featureless high Fe-tholeiitic basalt with local vague pillow structures. These magnetic rocks are variably biotized with local garnet development. In hole MK92-9, pink garnets are spatially associated with the presence of semi-massive clots or bands of pyrite in basalt near the basalt/sediment contact. Here garnets may occur as isolated anhedral crystals or as coalesced continuous bands up to 0.5 cm in width. Note - local blue QE's are developed in the basalt.

   The southern stratigraphy is marked by "dirty-looking" tuffaceous-sediments which are locally QE (colourless) phyric and speckled by fine grained disseminated magnetite and chlorite-biotite. Stretched clasts are locally discerned. Note - 17.50m of albitized intermediate-felsic tuffaceous-sediment QE and albite phyric was intersected in the high Fe-tholeiite in MK92-9 (i.e. collar of hole).

4. Quartz-calcite-albite-tourmaline-chlorite-muscovite quartz veins (strike and tensional orientations) with variable pyrite contents occur within either the iron formation/basalt package or tuffaceous-sediment package. These veins are typically pitted and vuggy. Local sericite alteration is present as an alteration halo on some veins. Highest grade gold values occur with quartz veins located within or near strongly magnetic rocks. These latter veins also tend to carry higher percentages of pyrite. Quartz veining is well developed on the basalt (iron formation)/sediment contact in both holes MK92-7 and MK92-8. Pink-orange aphanitic albite and silicification is particularly strong on the above contact in MK92-9, however a value of 187 ppb Au (5.56m) was only returned with the associated 17% quartz, 20% albite and 7% pyrite. This value is still significant from an exploration perspective.

5. The tuffaceous-sediments, particularly in holes MK92-7 and MK92-8, are marked by an approximately 60m wide (horizontal) zone of variable albitization and hematization located approximately 65m horizontally to the south of the tuffaceous-sediment/basalt (iron formation) contact (MK92-7). This altered zone is marked by porphyritic textures of fine to coarse grained whitish to pale pink albite or wisps, patches/bands of aphanitic to medium grained pink (orange) albite variably "washed" with pink-red-orange hematite alteration. Sections of these altered tuffaceous-sediment could be easily mistaken for granodiorite. The importance of this observation has been emphasized by logging the interval 294.50-296.16 in MK92-9, as granodiorite (8 gd) and explaining in the comments what the protolith actually represents. Textural relationships suggest that the albitization predates the introduction of quartz veining. Fine grained disseminated pyrite tends to occur in these areas, as does local anomalous gold values (i.e. 780 ppb Au over 4.5m at 108.50-113.00m with trace quartz and trace to 0.5% pyrite in albitized and weakly hematized QE phyric tuffaceous-sediment in MK92-8). This zone of alteration is only weakly developed but present in the sediments located 1.1 km to the east in hole MK92-9.

   Albitization was also present in iron formation in hole MK92-7 near the iron formation/sediment contact. This interval returned 431 ppb Au (5.88m) with variably quartz and pyrite associated.

   It is quite possible that the above recognized zone of albitization and hematization in the tuffaceous-sediments in the Golden Shield area might continue as far to the east as the Tadpole Lake area (possibly further?), where 1-2mm diameter blue QE's with disseminated very fine grained magnetite were logged in an albite-bearing intermediate to mafic quartz-feldspar porphyry (MK90-1). This possibility will be followed up by re-examining historic drill holes.

6. Massive, slightly pitted banded pyrite was intersected over 0.17m at 127.47-127.64 in basalt near the basalt/sediment contact (MK92-9). Very thin delicate bands of magnetite mark the banding in the sulphides. This interval returned 291 ppb Cu, 44 ppm Zn, 28 ppm Pb, 2.1 ppm Ag and 105 ppb Au. Pink garnets are spatially associated with pyrite bands and clots to the north of this intersection.

7. Local anomalous base metals occur within the tuffaceous-sediments. Strong chlorite, local garnet development and local chloritoid (?) is spatially recognized with areas exhibiting visible fine grained reddish-brown sphalerite and local chalcopyrite [i.e. 1200 ppm Zn, 141 ppm Cu, 0.7 ppm Ag (1.5m) at 44.00-45.50m in moderately magnetic intermediate tuff in MK92-7). Approximately 2-3% PbS with trace sphalerite in a 2.5 cm boudinaged quartz vein (strike) was intersected at 313.64m in chloritized tuffaceous-sediment with 1-4% clasts (MK92-9). Ribbony pyrite bands/lamellae occur 4 cm from this vein.

TABLE 2

MIKWAM JOINT VENTURE
1992 DIAMOND DRILL HOLE SUMMARY

HOLE NO.	NORTH.	EAST.	AZ.	DIP	LENGTH (m)	TARGET AREA	PURPOSE	RESULTS	COMMENTS
MK92-1	2410S	3200	360	-50	275	A8	TO TEST I.P. ANOMALY & MAGNETIC AXIS HIGH, 150m NE OF DDH 86-9 (L-3100E, 2550S)	INTERSECTED 4.97 g/t AU (3.0m) @ 51.4-54.5 & 5.62 g/t AU(7.2m) @ 218.0-225.2 IN SEMI-MASSIVE PYRITE/ARSENOPYRITE WITH SPATIALLY ASSOCIATED QUARTZ	DID NOT INTERSECT VERTICAL PROJECTION OF I.P. ANOMALY NEAR COLLAR; HOWEVER HOLE COLLARED IN ARGILLITE/GRAPHITE WITH ASSOCIATED RUBBLE & GOUGE (I.E. A FAULT). MAGNETIC AXIS NOT EXPLAINED
MK92-2	2185S	3000	360	-50	200	A8	TO TEST I.P. ANOMALY, HLEM CONDUCTOR & MAGNETIC HIGH ON L-3000E, 100m SOUTH OF BASELINE (2000S)	BEST GOLD: 1.78 g/t AU (1.5m) @ 71.0-72.5 IN IRON FORMATION	MAGNETIC AXIS "PEAK-HIGH" DUE TO OXIDE/CHLORITIC IRON FORMATION; I.P. ANOMALY POSSIBLY DUE TO FORMATIONAL CONTACT(?). HLEM NOT EXPLAINED
MK92-3	1980S	3800	180	-60	280	A8	TO UNDERCUT 100m BELOW THE MINERALIZATION INTERSECTED IN DDH 262-86-8 (L3800E, 2250S)	INTERSECTED 2.04 g/t AU(2.9m) @ 203.1-206.0 & 2.81 g/t AU (2.17m) @ 218.83-221.0 WITH MINOR ASSOCIATED QUARTZ-ANK VEINS & TR PYRITE	FLAT CORE ANGLES FROM 200.0-280.0m INDICATE DRILLING DOWN A FOLD LIMB NEAR A FOLD NOSE
MK92-4	2066S	4100	180	-55	195	A8	TO UNDERCUT OVERBURDEN HOLE 86-16 WHICH RETURNED AN HMC RICH IN ASPY/PY, WITH 11 PRISTINE GOLD GRAINS	INTERSECTED SEVERAL ANOMALOUS GOLD-BEARING AREAS IN SEDIMENT (MINOR VEINING & SULPHIDES). BEST: 0.825 g/t AU (1.5m) @ 102.5-104.0	GREY, SILICEOUS QUARTZ-FELDSPAR PORPHYRY AT BOTTOM OF HOLE
MK92-5	1440S	5600	180	-60	250	AREA NE A8	TO UNDERCUT OVERBURDEN HOLE MOV85-4 WHICH RETURNED ANOMALOUS ARSENIC VALUES IN HMC & TEST 38m WIDE HLEM CONDUCTOR	MASSIVE PYRITE IN GRAPHITE FROM 65.23-65.31 RETURNED 0.205 g/t AU (0.08m). ANOMALOUS GOLD VALUES THROUGHOUT HOLE. BEST: 0.445 g/t AU(4.5m) @ 216.5-221.0 IN SERICITIZED CONGLOMERATE & MASSIVE BASALT (1% QTZ & TR PY ASSOCIATED)	HLEM CONDUCTOR DUE TO 64.5m WIDE GRAPHITIC ARGILLITE (CONDUCTIVE WITH A SOUTH FLAT DIPPING ATTITUDE). PROBABLY DRILLING DOWN A FOLD LIMB NEAR A FOLD NOSE
MK92-6	923N	400	360	-58	400	DIEPPE	TO UNDERCUT MINERALIZATION IN DDH 260831A (158 ppb AU/25.09m) & SECTION GEOLOGY IN 260841	INTERSECTED ANOMALOUS GOLD VALUES IN SEDIMENTARY-TUFFACEOUS PACKAGE. BEST: 2.23 g/t AU (0.5m) @ 377.5-380.0 IN SEMI-MASSIVE PYRITE (30% PY & 5% ASPY) WITH 1% QUARTZ-ANKERITE VEINING IN SERICITIZED FELSIC SCHIST	STRATIGRAPHY ON SECTION 400E ALSO TIGHTLY FOLDED

TABLE 2

HOLE NO.	NORTH.	EAST.	AZ.	DIP	LENGTH (m)	TARGET AREA	PURPOSE	RESULTS	COMMENTS
MK92-7	3670S	10297W	180	-52	297	GOLDEN SHIELD	TO UNDERCUT 100m BELOW INTERSECTION OF 1.52 g/t AU OVER 5.5m in DDH 260883 ON L-103+00W	INTERSECTED 19% QTZ AND TR-3% PY WITH 1312 ppb AU OVER 5.1m (18.50-23.60) INCLUDING 8.98 gpt AU (0.262 opt AU) OVER 0.5m (21.50-22.00m) IN CHLORITIC-MAGNETIC IRON FORMATION. INTERSECTED 85% QTZ AND 2.5% PY WITH 2486 ppb AU OVER 1.2m (79.40-80.60m) INCLUDING 4.6 gpt OR 0.138 opt AU OVER 0.60m (80.00-80.60m) ON THE CHLORITIC IRON FORMATION/TUFFACEOUS SEDIMENT CONTACT. VALUES OF 1200 ppm ZN, 141 ppm CU AND 0.7 gpt AG OVER 1.5m (44.00-45.50m) IN MOD. MAGNETIC INTERMEDIATE TUFF	STRATIGRAPHY IN HOLE MARKED BY CHLORITIC (VARIABLY MAGNETIC) I.F. TO NORTH AND TUFFACEOUS-SEDIMENTS TO SOUTH. QUARTZ-CALCITE +/- TOURMALINE +/- CHLORITE VEINS OCCUR IN BOTH DOMAINS, HOWEVER HIGHEST GOLD VALUES WITH VEINS WITHIN OR NEAR MAGNETIC-RICH ROCKS. ALBITIZED I.F. NEAR THE TUFFACEOUS-SEDIMENT CONTACT CONTAINS 431 ppb AU (5.88m) VARIABLE QTZ + PY ASSOCIATED. LOWER ONE-THIRD OF HOLE MARKED BY VARIABLY ALBITIZED AND HEMATIZED TUFFACEOUS-SEDIMENTS (BEST GOLD: 925 ppb AU (1.5m) 246.0-247.5m.
MK92-8	3720S	10500W	180	-45	200	GOLDEN SHIELD	TO TEST GOLD-BEARING STRUCTURE 200m TO THE WEST OF FENCE MARKED BY DDH'S MK92-7 AND 260883 ON L-103+00W	INTERSECTED FOUR CLOSELY SPACED INTERVALS WITH STRONG ANOMALOUS GOLD BETWEEN 69.50 AND 138.50m, WITH MINOR QUARTZ-ALBITE VEINING AND MINOR PYRITE IN VARIABLY ALBITIZED + HEMATIZED TUFFACEOUS SEDIMENT. BEST: 885 ppb AU (2.0m) AT 78.50-80.50m (4% QTZ + 2.5% ALBITE + 1% PY ASSOCIATED)	A VALUE OF 780 ppb AU (4.5m) AT 108.50-113.00m IS SPATIALLY ASSOCIATED WITH ONLY TRACES OF QUARTZ AND TRACE TO 0.5% PYRITE IN ALBITIZED AND WEAKLY HEMATIZED QE PHYRIC TUFFACEOUS-SEDIMENT. FAULT STRUCTURE ON 1:10000 COMPILATION BISECTS WIDE AREA OF ALBITIZATION AND ANOMALOUS GOLD VALUES [IE. 472 ppb AU (23.10m) AT 115.40-138.50m*]. SEE SECTION DWG NO. MIK 76.
MK92-9	3650S	9200W	180	-48	500	GOLDEN SHIELD	TO TEST GOLD-BEARING STRUCTURE 0.5 km WEST OF FENCE MARKED BY DDH'S 260888 AND 2608813 ON L-87+00W	INTERSECTED TWO QUARTZ + PYRITE + TOURMALINE ZONES IN VARIABLY MAGNETIC BASALT [IE. 22% QTZ + 5% PY WITH 343 ppb AU (8.2m) AT 36.50-44.70m AND 10.5% QTZ + 2% PY WITH 299 ppb AU (15.5m) AT 62.20-78.00m]. INTERSECTED 17% QTZ + 20% ALBITE (ORANGE-PINK) + 7% PY WITH 187 ppb AU (5.56m) AT 127.64-133.20m ON BASALT/SEDIMENT CONTACT. VALUES OF 291 ppb CU, 44 ppm ZN, 28 ppm PB, 2.1 ppm AG AND 105 ppb AU IN 0.17cm OF BANDED MASSIVE PYRITE IN BASALT NEAR BASALT/SEDIMENT CONTACT.	LOCAL ANOMALOUS GOLD VALUES IN SEDIMENT PACKAGE TO SOUTH OF BASALT STRATIGRAPHY [IE. 241 ppb AU (19.08m)* AT 340.35-359.43m AND 403 ppb AU (5.15m)]. STRATIGRAPHY MAINTAINS OVERALL CHARACTER BETWEEN L105+00 AND L92+00W (IE. 1.1km) HOWEVER ON L-9200W, SEDIMENTS ONLY LOCALLY AND WEAKLY TO MODERATELY ALBITIZED. GARNETS PRESENT WITH PYRITE-RICH AREAS IN BASALT NEAR MAIN CONTACT AREA.

* INCLUDES GEOCHEM GRABS

TABLE 3

MIKWAM JOINT VENTURE

SIGNIFICANT RESULTS FROM 1992 DRILL PROGRAM

	INTERVAL (m)	ROCK TYPE	WIDTH (m)	ASSAY (g/t)		QTZ/ANK %	PY %	ASPY %	PO %	SPH %	MT %	CP %
MK92-1	42.50- 44.00	ARGILLITE	1.50	0.995		4.5	0.2	-	-	-	-	-
======	47.00- 48.50	TUFF	1.50	1.060		1.5	TR	-	-	-	-	-
	51.50- 53.00	TUFF/SED	1.50	8.770	4.97g/3.0m	3.0	TR	-	TR	-	-	-
	53.00- 54.50	TUFF/SED	1.50	1.170	(0.145 opt/9.8')	4.0	0.4	-	0.4	-	-	-
	112.10-113.05	FAULT	0.95	0.615	0.63g/1.21m	2.5	3.5	-	-	-	-	-
	113.05-113.31	TUFF/SED	0.26	0.685	(0.018 opt/3.97')	-	-	-	-	-	-	-
	132.30-134.00	TUFF/SED	1.70	1.030	0.852g/3.2m	2.5	-	-	-	-	-	-
	134.00-135.50	TUFF/SED	1.50	0.650	(0.025 opt/10.50')	1.0	2.0	-	-	-	-	-
	136.69-138.69	TUFF	2.00	1.540	1.55g/2.15m	3.5	1.0	-	-	-	-	-
	138.69-138.84	FAULT	0.15	1.680	(0.045 opt/7.05')	-	-	-	-	-	-	-
	158.00-159.50	ARGILLITE	1.50	0.515		3.5	0.5	-	-	-	-	-
	165.50-167.00	TUFF	1.50	0.685		11.0	3.5	-	-	-	-	-
	171.50-172.42	ARGILLITE	0.92	0.960		6.5	3.5	TR	-	-	-	-
	175.00-176.00	ARGILLITE	1.00	0.855	1.27g/2.0m	32.5	TR	0.2	-	-	-	-
	176.00-177.00	ARGILLITE	1.00	1.680	(0.037 opt/6.56')	13.0	3.0	-	-	-	-	-
	178.00-179.00	ARGILLITE	1.00	0.550		18.0	4.5	TR	-	-	-	-
	188.50-189.40	QTZ	0.90	0.855		95.0	5.5	-	-	-	-	-
	191.00-191.60	FAULT	0.60	0.585		3.0	-	-	-	-	-	-
	203.63-204.00	ARGILLITE	0.37	1.030	0.734g/0.87m	30.0	25.0	-	-	TR	-	-
	204.00-204.50	QTZ	0.50	0.515	(0.021 opt/2.85')	-	-	-	-	-	-	-
	205.50-206.00	FELSIC TUFF	1.50	0.585		-	2.0	0.2	-	-	-	-
	213.10-213.60	FELSIC TUFF	0.50	0.855		10.0	5.0	-	-	-	-	-
	213.60-214.00	QTZ	0.40	2.130		95.0	4.0	-	-	-	-	-
	214.00-215.00	QTZ	1.00	0.480	0.611g/4.9m	99.0	0.4	0.1	-	-	-	-
	215.00-216.00	QTZ	1.00	0.205	(0.018 opt/16.08')	97.5	2.5	-	-	-	-	-
	216.00-217.00	QTZ	1.00	0.310		96.5	2.5	-	-	-	-	-
	217.00-218.00	QTZ	1.00	0.720		90.0	4.0	-	-	-	-	-
	218.00-218.70	QTZ	0.70	2.430		95.0	1.5	-	-	-	-	-
	218.70-219.50	SMS	0.80	8.500		40.0	30.0	3.5	-	-	-	-
	219.50-220.30	SMS	0.80	12.200	8.157g/4.3m	20.0	50.0	4.0	-	-	-	-
	220.30-221.00	SMS	0.70	6.170	(0.238 opt/14.1')	70.0	30.0	-	-	-	-	-
	221.00-221.50	SMS	0.50	12.700		2.0	65.0	10.0	-	-	-	-
	221.50-222.50	QTZ	1.00	5.550	5.615g/7.2m	85.0	10.0	4.0	-	-	-	-
	222.50-223.00	SMS	0.50	4.590	(0.164 opt/23.6')	45.0	35.0	0.2	-	-	-	-
	223.00-223.50	QTZ	0.50	1.750		85.0	10.0	0.2	-	-	-	-
	223.50-224.20	QTZ	0.70	1.610		85.0	15.0	TR	-	-	-	-
	224.20-225.20	FELSIC TUFF	1.00	1.650		3.0	20.0	4.0	-	-	-	-
	225.20-225.68	FELSIC TUFF	0.48	0.615		1.5	15.0	2.5	-	-	-	-
	225.68-226.50	QTZ	0.82	0.855		95.0	3.5	TR	-	-	-	-
	226.50-227.00	QTZ	0.50	0.135	0.506g/4.3m	95.0	2.5	-	-	-	-	-
	227.00-227.50	QTZ	0.50	1.170	(0.015 opt/14.11')	90.0	10.0	-	-	-	-	-
	227.50-228.20	QTZ	0.70	0.375		95.0	1.5	-	-	-	-	-
	228.20-229.50	ARGILLITE	1.30	0.205		2.5	3.5	-	-	-	-	-
	233.00-234.50	ARGILLITE	1.50	0.790		2.0	-	-	-	-	-	-
MK92-2	71.00- 72.50	OXIDE IRON FM	1.50	1.780		-	0.3	-	-	-	10.0	-
======	152.00-153.50	ARGILLITE	1.50	0.650		6.5	TR	-	-	-		-
MK92-3	137.42-137.60	FAULT	0.18	0.925		-	-	-	-	-	-	-
======	203.10-205.06	FELSIC TUFF	1.96	1.060	2.04g/2.9m	4	TR	-	-	-	-	-
	205.06-206.00	TUFF-SED	0.94	4.080	(0.059 opt/9.5')	0.4	-	-	-	-	-	-
	211.93-212.20	CONGLOMERATE	0.27	0.960		15	7.0	-	-	-	-	-
	218.83-221.00	CONGLOMERATE	2.17	2.810	2.81g/2.17m	0.5	0.3	-	-	-	-	-
					(0.082 opt/7.1')							
MK92-4	87.63- 89.00	SILTSTONE	1.37	0.615	0.683g/2.67m	-	0.2	-	-	-	-	-
======	89.00- 90.30	SILTSTONE	1.30	0.755	(0.020 opt/8.76')	0.3	TR	-	-	-	-	-
	102.50-104.00	ARGILLITE	1.50	0.825		0.4	TR	-	-	-	-	-
	129.50-131.00	ARGILLITE	1.50	0.790		2.5	0.5	-	-	-	-	-

	INTERVAL (m)	ROCK TYPE	WIDTH (m)	ASSAY (g/t)		QTZ/ANK %	PY %	ASPY %	PO %	SPH %	MT %	CP %
)2-5	218.50-221.00	CONGLOMERATE	1.50	0.515		1.0	TR	-	-	-	-	-
MK92-6	377.50-378.00	SEMI-MASSIVE SULPHIDES	0.50	2.230	(0.065 opt/1.6')	1.0	30.0	5	-	-	-	-
MK92-7	18.00- 18.50	IFchl	0.50	0.520		55.0	2.5		-	-	-	-
	18.50- 23.60	IFchl	5.10	1.300		19.0	TR-3		-	-	-	-
incl.	21.50- 22.00	IFchl	0.50	8.980		15.0	3.0		-	-	-	-
	23.60- 24.50	TUFF	0.90	2.200		0.5	0.5		-	-	-	-
	71.00- 73.70	ALB.IF	2.70	0.850		0.3	1.0		-	-	-	-
	79.40- 80.60	QV	1.20	2.500		85.0	2.5		-	-	-	-
incl.	80.00- 80.60	QV	0.60	4.700		85.0	3.5		-	-	-	-
	147.50-149.00	HEM LAPILLI-TUFF	1.50	0.590		2.0	2.0		-	-	-	-
	221.00-222.50	ALB LAPILLI TUFF	1.50	0.960		0.4 (t)	1.0		-	-	-	-
	246.00-247.50	ALB HEM TUFF	1.50	0.930		-	-		-	-	-	-
MK92-8	31.00- 32.00	QZONE	1.00	0.620		95.0	5.0		-	-	-	-
	38.00- 38.30	FAULT	0.30	0.760		0.2	2.5		-	-	-	-
	69.50- 75.50	ALB-HEM TUFF	6.00	0.790	*	0.5	1.5		-	-	-	-
	78.50- 80.50	ALB-HEM TUFF	2.00	0.890		4.0	1.0		-	-	-	-
	108.50-113.00	ALB-WK HEM TUFF	4.50	0.780		TR	0.5		-	-	-	-
	115.40-138.50	ALB-WK HEM TUFF	23.10	0.470	*	0.5	0.25		-	-	-	-
MK92-9	37.50- 38.00	QZONE	0.50	1.080		85.0	10.0		-	-	-	-
	44.00- 44.70	QZONE	0.70	0.690		45.0	4.0		-	-	-	-
	67.00- 68.00	QZONE	1.00	0.520		5.0	1.0		-	-	-	-
	70.00- 71.00	QZONE	1.00	0.520		15.0	-		-	-	-	-
	75.00- 77.00	QZONE	2.00	0.790		2.8	3.0		-	-	-	-
	119.00-120.50	BASALT	1.50	0.790		2.0	TR		-	-	-	-
	130.00-131.00	QZONE	1.00	0.620		15.0	15.0		-	-	-	-
	185.00-195.00	SEDIMENT	10.00	0.860		0.3	TR		-	-	-	-
	216.50-218.00	SEDIMENT	1.50	0.520		1.5	TR		-	-	-	-
	266.00-267.00	CONGLOM.	1.00	0.520		0.5	0.5		-	-	-	-
	320.00-322.20	TUFF	2.20	0.650		0.3	0.5		-	-	-	TR
	340.35-340.95	SEDIMENT	0.60	0.620		2.5	TR		-	-	-	-
	371.00-372.50	CONGLOM.	1.50	0.690		1.0	TR		-	-	-	-
	381.12-383.00	HEM TUFF	1.88	0.690		4.5	TR		-	-	-	-
	435.00-436.00	ALB. CGL	1.00	0.930		2.5	2.5		-	-	-	0.15

* GEOCHEMICAL GRABS INCLUDED

1994 BUDGET PROPOSAL

Details of the 1994 budget have not been finalized, however it is hoped to complete a diamond drill program in the A8 Area. No diamond drilling was completed during 1993.

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Lacroix, S., Simard, A., Pilote, P., and Dube, L. (1990)

Regional Geologic Elements and Mineral Resources of the Harricana-Turgeon Belt, Abitibi of NW Quebec in The Northwestern Quebec Polymetallic Belt: A Summary of 60 years of Mining Exploration, CIM, Special Vol. 43

Pilote, P., Guha, J., Daigneault, R., Robert, F., Cloutier, J., and Golightly, P. (1990)

The Structural Evolution of the Casa Berardi East Gold Deposits, Casa Berardi Township, Quebec in The Northwestern Quebec Polymetallic Belt: A Summary of 60 Years of Mining Exploration, CIM, Special Vol. 43

SUMMARY LOG

Hole Number:	MK92-1
Date Drilled:	June 16-19, 1992
Contractor:	Bradley Bros. Ltd. (Noranda)
Project:	Mikwam Joint Venture (2703)
Location:	A8 Area
Township:	Noseworthy
Claim No.:	L-633435 (collar), L-633434 (EOH)
Co-ordinates:	L-3200E, 2410S, Azimuth 360°, dip 50°
Length:	275m
Casing:	34(BW) 31(NW) left in hole
Purpose:	To test geophysical I.P. anomaly and magnetic axis high 150m NE of DDH 86-9 (L-3100E, 2550S)
Logged by:	P. Coad

all logs completed within two days of completion of hole

RESULTS

GEOLOGY

Stratigraphy intersected in this hole is positioned near a fold nose as evidenced by the oblique angle that the F1 cleavage foliation makes with the bedding. Micro-fold structures and crenulation cleavage occur locally throughout the entire hole. Axis of magnetic high possibly represents a fold nose of iron formation which does not reach the trace of MK92-1. I.P. anomaly not fully tested as hole collared too far north.

Intersected 26% Qtz + 3% Py @ 171.5-218.7 (47.2m) and 58% Qtz + 21% Py @ 218.7-228.2 (9.5m), including 2.6% Aspy @ 218.6-226.5 (7.8m). Best assay: 5.62 g/t Au (7.2m) @ 218.0-225.20m, including 8.16 g/t Au (4.3m) @ 218.70-223.0.

SAMPLING

88% of the hole was sawed and fire assayed for gold (1 A.T.) with an atomic absorption finish and 12% of the hole (32m) was grabbed, with "buttons" of core selected over a specified interval for fire assaying and A.A. finish, as above (total specimens n=187). All pulps and rejects were saved for future reference. Analytical work performed by Royal Oak Mines Inc. Assay Laboratory in Schumacher, Ontario.

CORE/REJECTS

Drill core and rejects are stored at Royal Oak Mines Schumacher core logging facilities in Schumacher, Ontario.

FOOTAGE	LITHOLOGY
0.00- 34.00	**Overburden**
34.00- 39.41	**Argillite**
39.41- 42.50	**Tuffaceous-Sediment QE Phyric** Weak-moderately sericitized, 2.5% Qtz
42.50- 44.00	**Argillite** Weak sericite next to qtz-ank veins
44.00- 51.50	**Tuffaceous-Sediment QE Phyric** Weak-moderately sericitic with green mica F1 cleavage @ 5-40°, oblique to bedding @ 40-60°
51.50- 54.50	**Tuffaceous-Sediment** Crenulated; 4.97 g/t Au (3.0m)
54.50- 56.00	**Argillite** Weak-moderately sericitized, tr sphal. in QV @ 54.7
56.00- 76.10	**Tuffaceous-Sediment QE Phyric** Weak-moderately sericitic, local green mica, 3.5% Qtz @ 56.0-57.5
76.10- 81.50	**Argillite**
81.50- 86.60	**Tuffaceous-Sediment QE Phyric** Tr. sphal. & aspy. in 0.66mm QV @ 85.90
86.60- 91.28	**Argillite** Weakly sericitic and crenulated
91.28- 96.50	**Tuffaceous-Sediment QE Phyric**
96.50-109.90	**Argillite** Local sericite next to QV-Ank, crenulated, 3.5% Qtz @ 99.5-101.0 and 105.5-107.0, minor Py
109.90-112.10	**Tuffaceous-Sediment QE Phyric** Moderately sericitic, crenulated and contorted

FOOTAGE	LITHOLOGY
112.10-113.05	**Fault** Complex Qtz-calcite-pyrite vein (flat), vuggy, runs length of brittle fault
113.50-113.31	**Tuffaceous-Sediment QE Phyric** Moderately sericitic
113.31-113.55	**Argillite**
113.55-116.00	**Tuffaceous-Sediment QE Phyric**
116.00-131.00	**Argillite** Crenulated; complex cross-cutting pitted Py-quartz-carbonate fractures cut obliquely across bedding
131.00-131.54	**Fault**
131.54-132.30	**Argillite**
132.30-138.69	**Tuffaceous-Sediment QE Phyric** Weak to moderately sericitic
138.69-138.84	**Fault**
138.84-140.80	**Tuffaceous-Sediment QE Phyric** Weak to moderately sericitic and crenulated
140.00-141.23	**Fault**
141.23-141.87	**Tuffaceous-Sediment QE Phyric** 4.5% blue-grey QV's define folding
141.87-142.00	**Fault** Brittle with angular fragments in silicified/carbonate matrix
142.00-154.30	**Tuffaceous-Sediment QE Phyric** Weak to moderately sericitic and crenulated, 2% Qtz + 4% Py with tr Aspy @ 147.5-149.0
154.30-154.70	**Quartz-Pyrite Vein** Possibly refolded late tension fracture? 7% Qtz + 20% Py with tr Aspy

FOOTAGE	LITHOLOGY
154.70-157.10	**Tuffaceous-Sediment QE Phyric** Weak to strongly sericitic
157.10-160.50	**Argillite** Crenulated; bedding @ 35° and F1 @ 30°
160.50-168.43	**Tuffaceous-Sediment QE Phyric** Cross-fractures with Qtz-Py-carbonate (pitted), 3.5% Qtz + 1% Py
168.43-169.15	**Argillite**
169.15-171.50	**Tuffaceous-Sediment QE Phyric** Local cross-fractures with Qtz-Py-carbonate
171.50-172.42	**Argillite** Siliceous with 4.5% QV and 2% Ank; 3.5% Py, tr Aspy
172.42-173.00	**Quartz Vein** Aphanitic, glassy, dirty with inclusions and sericite lamellae, poss. folded? 0.5% Py and tr Aspy
173.00-179.70	**Argillite** Siliceous, matrix argillite weakly conductive, 14% blue-grey QV dirtied by tr Aspy dusting and 2.5% Py; 1.27 g/t Au (2.0m) @ 175.0-177.0m
179.70-179.98	**Tuffaceous-Sediment QE Phyric** Moderately sericitized and crenulated, 0.5% QTZ + 1.5% Py
179.98-187.00	**Argillite** Siliceous, folded and crenulated, 9% Qtz + 2% Py and tr Aspy
187.00-189.40	**Quartz Vein** Glassy, aphanitic and dirtied with black fractures and zits, with cloudy ankerite in background, 92% Qtz + 4% Py and tr sphal.
189.40-191.00	**Argillite** Siliceous, 14% Qtz + 2% Py
191.00-191.60	**Fault** Graphitic rubble

FOOTAGE	LITHOLOGY
191.60-204.00	**Argillite** Siliceous, 6% Qtz + 3% Py and tr chalcopyrite and sphalerite
204.00-205.50	**Quartz Vein** Glassy, aphanitic and dirty-looking, 6% Py and tr Aspy
205.50-213.60	**Intermediate-Felsic QE Phyric Tuff** Moderate to strongly sericitic, local bands(?) of buff Fe-carbonate with minor Py and tr Aspy associated, local bands of Py + Aspy without quartz associated, local green mica, 7% Qtz + 3% Py with tr Aspy and pyrrhotite (magnetitic)
213.60-218.70	**Quartz Vein** Glassy, grey-white-blue and dirtied with clots and lamellae of yellow-green sericite, 2% Py with tr Aspy; 0.837 g/t Au (5.1m)
218.70-221.50	**Semi-Massive Sulphides** Fine to coarse grained, close-packed euhedral pyrite in masses with scattered euhedral fine to coarse grained arsenopyrite, @ 219.50-220.30; sulphidic tuff with very fine grained Aspy (banding @ 0°); 35% Qtz + 42% Py + 4% Aspy; 9.73 g/t Au (2.8m)
221.5-222.50	**Quartz Vein** 10% Py and 4% Aspy; 5.55 g/t Au (1.0m)
222.50-223.00	**Semi-Massive Sulphides** 35% Py + tr Aspy, 45% Qtz; 4.59 g/t Au (0.50m)
223.00-224.20	**Quartz Vein** 15% Py with tr Aspy; 1.67 g/t Au (1.20m)
224.20-225.68	**Intermediate-Felsic Tuff** Sericitic with 2.5% Qtz and 18% very fine grained Py and 3.5% Aspy, banding @ 0-22°; 1.31 g/t Au (1.48m)
225.68-228.20	**Quartz Vein** Highly fractured with graphite in fractures out contact, 4% Py with tr Aspy
228.20-230.77	**Argillite** Siliceous with 3% Qtz + 5% Py

FOOTAGE	LITHOLOGY
230.77-231.00	**Fault**
231.00-263.12	**Argillite** Siliceous, folding evident; 0-3.0% Qtz and 0-5.0% Py and local tr Aspy
263.12-275.00	**Greywacke** Variable bedding attitudes, folded; 15% Qtz with minor Py @ 274.5-275.0
275.00	**EOH**

MIKWAM JOINT VENTURE

SIGNIFICANT RESULTS FROM 1992 DRILL PROGRAM

MK92-1

INTERVAL (m)	ROCK TYPE	WIDTH (m)	ASSAY (g/t)		QTZ/ANK %	PY %	ASPY %	PO %	SPH %	MT %
42.50- 44.00	ARGILLITE	1.50	0.995		4.5	0.2	-	-	-	-
47.00- 48.50	TUFF	1.50	1.060		1.5	TR	-	-	-	-
51.50- 53.00	TUFF/SED	1.50	8.770	4.97g/3.0m	3.0	TR	-	TR	-	-
53.00- 54.50	TUFF/SED	1.50	1.170	(0.145 opt/9.8')	4.0	0.4	-	0.4	-	-
112.10-113.05	FAULT	0.95	0.615	0.63g/1.21m	2.5	3.5	-	-	-	-
113.05-113.31	TUFF/SED	0.26	0.685	(0.018 opt/3.97')	-	-	-	-	-	-
132.30-134.00	TUFF/SED	1.70	1.030	0.852g/3.2m	2.5	-	-	-	-	-
134.00-135.50	TUFF/SED	1.50	0.650	(0.025 opt/10.50'	1.0	2.0	-	-	-	-
136.69-138.69	TUFF	2.00	1.540	1.55g/2.15m	3.5	1.0	-	-	-	-
138.69-138.84	FAULT	0.15	1.680	(0.045 opt/7.05')	-	-	-	-	-	-
158.00-159.50	ARGILLITE	1.50	0.515		3.5	0.5	-	-	-	-
165.50-167.00	TUFF	1.50	0.685		11.0	3.5	-	-	-	-
171.50-172.42	ARGILLITE	0.92	0.960		6.5	3.5	TR	-	-	-
175.00-176.00	ARGILLITE	1.00	0.855	1.27g/2.0m	32.5	TR	0.2	-	-	-
176.00-177.00	ARGILLITE	1.00	1.680	(0.037 opt/6.56')	13.0	3.0	-	-	-	-
178.00-179.00	ARGILLITE	1.00	0.550		18.0	4.5	TR	-	-	-
188.50-189.40	QTZ	0.90	0.855		95.0	5.5	-	-	-	-
191.00-191.60	FAULT	0.60	0.585		3.0	-	-	-	-	-
203.63-204.00	ARGILLITE	0.37	1.030	0.734g/0.87m	30.0	25.0	-	-	TR	-
204.00-204.50	QTZ	0.50	0.515	(0.021 opt/2.85')	-	-	-	-	-	-
205.50-206.00	FELSIC TUFF	1.50	0.585		-	2.0	0.2	-	-	-
213.10-213.60	FELSIC TUFF	0.50	0.855		10.0	5.0	-	-	-	-
213.60-214.00	QTZ	0.40	2.130		95.0	4.0	-	-	-	-
214.00-215.00	QTZ	1.00	0.480	0.611g/4.9m	99.0	0.4	0.1	-	-	-
215.00-216.00	QTZ	1.00	0.205	(0.018 opt/16.08'	97.5	2.5	-	-	-	-
216.00-217.00	QTZ	1.00	0.310		96.5	2.5	-	-	-	-
217.00-218.00	QTZ	1.00	0.720		90.0	4.0	-	-	-	-
218.00-218.70	QTZ	0.70	2.430		95.0	1.5	-	-	-	-
218.70-219.50	SMS	0.80	8.500		40.0	30.0	3.5	-	-	-
219.50-220.30	SMS	0.80	12.200	8.157g/4.3m	20.0	50.0	4.0	-	-	-
220.30-221.00	SMS	0.70	6.170	(0.238 opt/14.1')	70.0	30.0	-	-	-	-
221.00-221.50	SMS	0.50	12.700		2.0	65.0	10.0	-	-	-
221.50-222.50	QTZ	1.00	5.550	5.615g/7.2m	85.0	10.0	4.0	-	-	-
222.50-223.00	SMS	0.50	4.590	(0.164 opt/23.6')	45.0	35.0	0.2	-	-	-
223.00-223.50	QTZ	0.50	1.750		85.0	10.0	0.2	-	-	-
223.50-224.20	QTZ	0.70	1.610		85.0	15.0	TR	-	-	-
224.20-225.20	FELSIC TUFF	1.00	1.650		3.0	20.0	4.0	-	-	-
225.20-225.68	FELSIC TUFF	0.48	0.615		1.5	15.0	2.5	-	-	-
225.68-226.50	QTZ	0.82	0.855		95.0	3.5	TR	-	-	-
226.50-227.00	QTZ	0.50	0.135	0.580g/5.8m	95.0	2.5	-	-	-	-
227.00-227.50	QTZ	0.50	1.170	(0.017 opt/19.03'	90.0	10.0	-	-	-	-
227.50-228.20	QTZ	0.70	0.375		95.0	1.5	-	-	-	-
228.20-229.50	ARGILLITE	1.30	0.205		2.5	3.5	-	-	-	-
233.00-234.50	ARGILLITE	1.50	0.790		2.0	-	-	-	-	-

SUMMARY LOG

Hole Number:	MK92-2
Date Drilled:	June 19-21, 1992
Contractor:	Bradley Bros. Ltd. (Noranda)
Project:	Mikwam Joint Venture (2703)
Location:	A8 Area
Township:	Noseworthy
Claim No.:	L-633437
Co-ordinates:	L-3000E, 2180S, Azimuth 360°, dip 50°
Length:	200m
Casing:	60(BW) 60(NW) left in hole
Purpose:	To test geophysical I.P. anomaly and HLEM conductor and interpreted axis of magnetic high on L-3000E, 100m south of the base line (2000S)
Logged by:	P. Coad

RESULTS

GEOLOGY

Stratigraphy intersected in this hole is also positioned near a fold nose as evidenced by the oblique angle that the F1 cleavage foliation makes with the bedding.

Intersected 7% Qtz + 0-3% Py and tr Aspy @ 144.5-167.0 (21m). Geophysical anomalies not explained; magnetic high due to oxide iron formation (magnetite-chert-chlorite). Best assay: 1.78 g/t Au (1.5m) @ 71.0-72.50 in I.F.

SAMPLING

81% of the hole was sawed and fire assayed for gold (1 A.T.) with an atomic absorption finish and 19% of the hole (37.06m) was grabbed, with "buttons" of core selected over a specified interval for fire assaying and A.A. finish, as above (total specimens n=75). All pulps and rejects were saved for future reference. Analytical work performed by Royal Oak Mines Inc. Assay Laboratory in Schumacher, Ontario.

CORE/REJECTS

Drill core and rejects are stored at Royal Oak Mines core logging facilities in Schumacher, Ontario.

FOOTAGE	LITHOLOGY
0.00- 59.98	**Overburden**
59.98- 72.50	**Iron Formation-Oxide** 3-20% Mt and minor Py
72.50- 74.28	**Iron Formation-Chloritic**
74.28- 76.50	**Argillite** Non-conductive, open folding exhibited
76.50- 76.90	**Fault** Graphitic, non-conductive
76.90- 82.46	**Argillite** Chloritic, tight folds exhibited
82.46- 88.20	**Iron Formation-Chloritic** Minor chert and magnetite bands; 2-4% blue-grey QV's tightly folded
88.20- 90.70	**Iron Formation-Oxide** 30% Mt with minor Py, excellent folds cut in half by vertical faults
90.70-107.00	**Iron Formation-Chloritic**
107.00-110.50	**Iron Formation-Oxide** 6% Qtz + minor Py, 25% Mt
110.50-164.00	**Argillite** Folded and crenulated; 7% Qtz + 0-3% Py and local tr Aspy @ 144.5-167.0 (21m)
164.00-188.00	**Greywacke** Argillaceous with folding and crenulation; 0.5-4.5% Qtz + 0.5-3.5% Py and tr sphal, local X-fractures with qtz-py-ank
188.00-200.00	**Argillite** Minor greywacke component @ 191.74, 1-2 cm Aspy-rich band, 0.5-3% Qtz + minor to 3.5% Py
200.00	**EOH**

MIKWAM JOINT VENTURE

SIGNIFICANT RESULTS FROM 1992 DRILL PROGRAM

MK92-2

INTERVAL (m)	ROCK TYPE	WIDTH (m)	ASSAY (g/t)	QTZ/ANK %	PY %	ASPY %	PO %	SPH %	MT %
71.00- 72.50	OXIDE IRON FM	1.50	1.780	-	0.3	-	-	-	10.0
152.00-153.50	ARGILLITE	1.50	0.650	6.5	TR	-	-	-	

SUMMARY LOG

Hole Number:	MK92-3
Date Drilled:	June 21-23, 1992
Contractor:	Bradley Bros. Ltd. (Noranda)
Project:	Mikwam Joint Venture (2703)
Location:	A8 Area
Township:	Noseworthy
Claim No.:	L-633431 (collar), L-633430 (EOH)
Co-ordinates:	L-3800E, 1980S, Azimuth 180°, dip -60°
Length:	280m
Casing:	60(BW) 60(NW) left in hole; hole makes water
Purpose:	To undercut 100m below the mineralization intersected in DDH 262-86-8 (L-3800E, 2250S)
Logged by:	P. Coad

RESULTS

GEOLOGY

Hole climbed 4° in 60m of overburden and as a result intersected the projected target at 60m rather than 100m vertical. From approximately 200-280m, bedding (and possibly F1 foliation) at 0-30° to core axis. This suggests that latter part of hole drilled down the margin of a south dipping fold limb? A cleavage foliation, oblique to bedding, was observed throughout the hole. Iron formation (chloritic/chert/magnetite) was intersected at the middle and bottom of the hole - this lithology was not logged in 262-86-8.

Intersected 20% Qtz + 1.5% Py and 1.5% Aspy @ 217.47-218.85 (1.36m), however veining at flat angle to core axis. Best assay: 2.04 g/t Au (2.9m) @ 203.1-206.0m in felsic tuff-tuff/sediment. Also 2.81 g/t Au (2.17m) @ 218.83-221.0 in conglomerate.

SAMPLING

80% of the hole was sawed and fire assayed for gold (1 A.T.) with an atomic absorption finish and 20% of the hole (54.83m) was grabbed, with "buttons" of core selected over a specified interval for fire assaying and A.A. finish, as above (total specimens n = 127). All pulps and rejects were saved for future reference. Analytical work performed by Royal Oak Mines Inc. assay laboratory in Schumacher, Ontario.

CORE/REJECTS

Drill core and rejects are stored at Royal Oak core logging facilities in Schumacher, Ontario.

FOOTAGE	LITHOLOGY
0.00- 61.00	**Overburden**
61.00- 61.26	**Fault** Graphitic argillite (45°)
61.26- 62.58	**Argillite** Graphitic, weakly conductive
62.58- 62.67	**Fault**
62.67- 66.50	**Argillite-Graphitic**
66.50- 66.66	**Fault** Rubble, gouge @ 40°
66.66- 71.93	**Argillite-Graphitic** 6% Qtz + 3% Py (folded)
71.93- 72.18	**Fault**
72.18- 74.20	**Argillite**
74.20- 90.50	**Graphitic Argillite** Blocky ground with frequent gouge slips, crenulated
90.50- 94.00	**Argillite** Minor graphite and weak greywacke component; 25% Qtz, minor Py
94.00- 94.60	**Fault** In-contact marked by gouge @ 55°
94.60-114.12	**Greywacke** Minor argillaceous component
114.12-114.40	**Fault** In-contact marked by gouge and carbonate/pyrite vein (35°)
114.40-119.00	**Greywacke** Weakly sericitic and locally crenulated

FOOTAGE	LITHOLOGY
119.00-119.20	**Fault** 3 cm of gouge and blocky ground
119.20-120.66	**Greywacke** Weakly sericitic, grading indicates tops downhole to south
120.66-123.50	**Argillite** Folded with graphite on slips
123.50-137.42	**Greywacke** Weak to moderately sericitic, crenulated, folded with local "bulls-eyes"; 1% Qtz + 1% Py
137.42-137.60	**Fault** Brittle, also with 1 cm of gouge; 0.925 g/t Au (0.18m)
137.60-143.00	**Greywacke** Weak to moderately sericitic, local chlorite with 1.5-2.5% Qtz
143.00-157.85	**Argillite-Graphitic** Frequent fold "bulls-eyes"; 1% Qtz + 1% Py; tr pyrrhotite, cpy and sphal @ 150.5-152.0
157.85-158.00	**Fault**
158.00-160.75	**Argillite** Thin screens of weak sericite alteration
160.75-161.34	**Fault** Breccia and blocky ground, graphite on 40 slips
161.34-163.35	**Argillite** Minor reddish-hematite in QVs, and local calcite speckling
163.35-166.55	**Iron Formation-Chloritic** 1% Qtz + 4% Py + 2% Mt, fold "bulls-eye" defines shallow plunge?
166.55-174.66	**Tuffaceous-Sediment QE + Plagio** Porphyritic, chloritic, speckled by calcite crystals

FOOTAGE	LITHOLOGY
174.66-181.29	**Iron Formation-Chloritic** 1% QTZ + 2% Py
181.29-181.80	**Tuffaceous-Sediment QE Porphyritic**
181.80-182.63	**Iron Formation-Chloritic** Local blue Qtz "knots"
182.63-194.00	**Conglomerate** 1-25% stretch clasts (20:1) in QE porph. matrix, moderate to strongly sericitic, 2% Qtz + 2% Py, tr sphal. @ 191.0-192.5
194.00-196.70	**Tuffaceous-Sediment QE Porphyritic** Poss. tops by grading down hole to south
196.70-199.50	**Tuffaceous-Sediment QE Porphyritic** Moderate to strongly sericitic, pinkish carbonate on flat slips/joint planes
199.50-200.08	**Quartz Vein** Blue-grey with sericite lamellae, 0.5% Py
200.08-201.10	**Greywacke** Moderately argill. with 4.5% Py in bands
201.10-202.70	**Conglomerate** Schistose with 20:1 stretching of buff mafic and sericitized clasts in QE porphyritic matrix, moderate to strongly sericitic
202.70-203.10	**Tuffaceous-Sediment QE Porphyritic** Moderate to strongly sericitic
203.10-205.06	**Intermediate-Felsic Tuff?** Very fine grained, waxy brown-green, fold "bulls-eye" suggests flat plunge or "skipping" a contact? 2.04 g/t Au (2.9m)
205.06-206.92	**Tuffaceous-Sediment** Weak to moderately sericitic (whitish muscovite); fault gouge @ 205.87 (35°)

FOOTAGE	LITHOLOGY
206.92-208.40	**Tuffaceous-Sediment QE Phyric** Weak sericite and moderate argill. component; 1.5% Qtz + 3% Py + 0.25% Aspy
208.40-213.5	**Conglomerate** Moderately sericitic with 20:1 stretching of mafic and green mica clasts, <2% clasts; 1.5% Qtz + 1% Py + tr Pyrrhotite; 0.96 g/t Au (0.27m) @ 211.93-212.2
213.50-214.58	**Tuffaceous-Sediment QE Phyric**
214.58-215.28	**Tuff-Sediment?** Waxy yellow-green, poss. correlates with intermediate-felsic tuff above
215.28-216.00	**Conglomerate** 2% stretched clasts in sericitized QE porphy. matrix
216.00-217.47	**Greywacke** Fine grained and weakly sericitic
217.47-221.00	**Conglomerate-Tuff** 2.81 g/t Au (2.17m) @ 218.83-221.0
221.00-222.60	**Tuffaceous-Sediment QE Porphyritic**
222.60-224.00	**Tuff-Sediment or Intermediate-Felsic Tuff?** Medium yellow-green, moderate to strongly sericitic
224.00-230.00	**Conglomerate or Tuff-Sediment** Strongly sericitic and schistose, with crenulation "bulls-eyes"
230.00-233.00	**Greywacke** Fine grained and weak to moderately sericitic
233.00-257.90	**Tuffaceous-Sediment QE Phyric** Moderate to strongly sericitic, siliceous with 0.5-10% QE
257.90-280.00	**Iron Formation-Chloritic** Approx. 5% buff-white cherty bands with minor associated Mt
280.00	**EOH**

MIKWAM JOINT VENTURE

SIGNIFICANT RESULTS FROM 1992 DRILL PROGRAM

MK92-3

INTERVAL (m)	ROCK TYPE	WIDTH (m)	ASSAY (g/t)		QTZ/ANK %	PY %	ASPY %	PO %	SPH %	MT %
137.42-137.60	FAULT	0.18	0.925		-	-	-	-	-	-
203.10-205.06	FELSIC TUFF	1.96	1.060	2.04g/2.9m (0.059 opt/9.5')	4	TR	-	-	-	-
205.06-206.00	TUFF-SED	0.94	4.080		0.4	-	-	-	-	-
211.93-212.20	CONGLOMERATE	0.27	0.960		15	7	-	-	-	-
218.83-221.00	CONGLOMERATE	2.17	2.810	2.81g/2.17m (0.082 opt/7.1')	0.5	0.3	-	-	-	-

SUMMARY LOG

Hole Number:	MK92-4
Date Drilled:	June 24-26, 1992
Contractor:	Bradley Bros. Ltd. (Noranda)
Project:	Mikwam Joint Venture (2703)
Location:	A8 Area
Township:	Noseworthy
Claim No.:	L-633429
Co-ordinates:	L-4100E, 2066S, Azimuth 180°, dip -55°
Length:	195m
Casing:	73(BW) 61(NW) left in hole
Purpose:	To undercut overburden hole OB86-16 (L-4100E, 2155S) which returned a HMC rich in arsenopyrite and pyrite grains and 11 pristine gold grains.
Logged by:	P. Coad

RESULTS

GEOLOGY

Stratigraphy intersected in this hole is also positioned near a fold nose as evidenced by the oblique angle that the F1 cleavage foliation makes with the bedding. Thin screens of chloritic iron formation were obtained within the argillite package; the argillite becomes noticeably more chloritic in these instances. The quartz-feldspar porphyry intersected at the bottom of the hole may provide a useful regional marker.

Intersected 5% Qtz + tr Py, Po and tr Aspy @ 92.0-96.5 (4.5m); 10% Qtz + 1% Aspy @ 104.0-107.3 (3.3m); 5% Qtz + 0.5% Py, tr Aspy @ 121.17-128.0 (6.83m); 9% Qtz + 3% Py @ 149.0-158.0 (9.0m). Best assay: 0.683 g/t Au (2.67m) @ 87.63-90.30m in siltstone.

SAMPLING

86% of the hole was sawed and fire assayed for gold (1 A.T.) with an atomic absorption finish and 14% of the hole (27.54m) was grabbed, with "buttons" of core selected over a specified interval for fire assaying and A.A. finish, as above (total specimens n=75). All pulps and rejects were saved for future reference. Analytical work performed by Royal Oak Mines Inc. assay laboratory in Schumacher, Ontario.

CORE/REJECTS

Drill core and rejects are stored at Royal Oak Mines core logging facilities in Schumacher, Ontario.

FOOTAGE	LITHOLOGY
0.00- 70.00	**Overburden**
73.00- 77.20	**Argillite-Graphitic** Blocky, with local gouge, weakly conductive
77.20- 80.62	**Greywacke-Siltstone** Very fine grained and banded, light grey-white
80.62- 87.63	**Argillite** Minor greywacke component, local fold "bullseye", local olive green chlorite with blue-grey QV's
87.63- 90.30	**Siltstone-Greywacke** Very fine grained, banded, minor 2-14cm wide cherty bands
90.30- 90.90	**Argillite** Graphitic, 2.5% pitted qtz veins
90.90- 96.50	**Siltstone-Greywacke** Blocky, 5% Qtz with tr Py, Po and Aspy @ 92.0-96.5 (4.5m)
96.50- 97.82	**Argillite** Chloritic and argillaceous, folded
97.82- 98.30	**Iron Formation-Chloritic** Blocky with 5-10% cherty bands, 15% Qtz + 5% Py + 3% Mt
98.30- 98.90	**Argillite-Chloritic**
98.90-100.76	**Iron Formation-Chloritic** Local strong olive green chlorite next to grey-blue QV, local buff iron carbonate with cherty bands, 2% Qtz + 4.5% Py + 1% Mt
100.76-104.00	**Argillite** Chloritic and argillaceous; 0.825 g/t Au (1.5m) @ 102.5-104.0m
104.00-107.30	**Siltstone-Greywacke** Very fine grained, weakly sericitic; 10% Qtz + 1% Aspy (3.3m)
107.30-108.90	**Tuffaceous-Sediment QE Porphyritic** Chloritic, with very fine grained QE; 3.5% Qtz + tr Py, Po, Cpy and Aspy

FOOTAGE	LITHOLOGY
108.90-114.12	**Siltstone-Greywacke** Minor white, siliceous bands, gouge @ 113.57 and 114.12
114.12-140.00	**Argillite** Chloritic and argillaceous; 5% Qtz + 0.5% Py and tr Aspy @ 121.17-128.0 (6.83m); 0.79 g/t Au (1.5m) @ 124.50-131.0m
140.00-141.30	**Tuffaceous-Sediment QE Porphyritic** Weakly sericitic, fold @ 140.40 plunges @ 40°
141.30-158.57	**Argillite** Blocky, banded and finely crenulated; 9% Qtz + 3% Py @ 149.0-158.0 (9.0m)
158.57-160.37	**Conglomerate** Moderately sericitic, schistose with 20:1 stretching ratio, local QE's in matrix and local green mica fragments
160.37-163.08	**Siltstone-Greywacke** Very fine grained and porphyritic in very fine grained colourless QE (0.5-3%), gouge on out-contact (oblique to bedding @ 45°)
163.08-166.26	**Conglomerate** Schistose and moderately to strongly sericitic; 0-2.5% Qtz + minor Py
166.26-166.72	**Fault** Brittle with angular, relatively closely packed fragments in siliceous or calcite matrix; 2% Py and possibly very fine grained Aspy?
166.72-171.76	**Felsic-Intermediate Schist** Moderately to strongly sericitic, laminated with yellow bands intercalated with grey bands, near out-contact start to pick up very fine grained QE's
171.76-195.00	**Felsic Porphyry** Dark grey with 1-25% variably sized, colourless QE and 0-2.5% plagioclase, local carbon and possibly chlorite on flat slips (locally strongly conductive)
195.00	**EOH**

MIKWAM JOINT VENTURE

SIGNIFICANT RESULTS FROM 1992 DRILL PROGRAM

MK92-4

INTERVAL (m)	ROCK TYPE	WIDTH (m)	ASSAY (g/t)		QTZ/ANK %	PY %	ASPY %	PO %	SPH %	MT %
87.63- 89.00	SILTSTONE	1.37	0.615	0.683g/2.67m (0.020 opt/8.76')	-	0.2	-	-	-	-
89.00- 90.30	SILTSTONE	1.30	0.755		0.3	TR	-	-	-	-
102.50-104.00	ARGILLITE	1.50	0.825		0.4	TR	-	-	-	-
129.50-131.00	ARGILLITE	1.50	0.790		2.5	0.5	-	-	-	-

SUMMARY LOG

Hole Number:	MK92-5
Date Drilled:	June 26-28, 1992
Contractor:	Bradley Bros. Ltd. (Noranda)
Project:	Mikwam Joint Venture (2703)
Location:	A8 Area
Township:	Noseworthy
Claim No.:	L-633413
Co-ordinates:	L-5600E, 1440S, Azimuth 180°, dip -60°
Length:	250m
Casing:	57(BW) 51(NW) left in hole
Purpose:	To undercut overburden hole MOV85-4 (L-5600E, 1500S) which returned anomalous Arsenic values in HMC, and also to test a 38m wide HLEM conductor.
Logged by:	P. Harvey, P. Coad

RESULTS

GEOLOGY

The foliation in the hole changed abruptly at the upper contact of the conductive graphitic argillite, from a steep north dip to a moderate south dip, suggestive of a time break and/or other structural complication in the area.

An 8cm band of massive (bedded?) pyrite within graphitic argillite was intersected at 65.23m, which may explain the arsenic values in MOV85-4. The unusually wide HLEM conductor was explained by a 64.5m interval of strongly conductive graphitic argillite, which was cut at about 20° to the core axis (i.e moderate south dip). No significant amount of veining and/or sulphides was intersected in the hole; 0.515 g/t Au (1.5m) @ 218.5-221.0 in conglomerate.

SAMPLING

58% of the hole was sawed and fire assayed for gold (1 A.T.) with an atomic absorption finish and 42% of the hole (80.5m) was grabbed, with "buttons" of core selected over a specified interval for fire assaying and A.A. finish, as above (total specimens n=85). All pulps and rejects were saved for future reference. Analytical work performed by Royal Oak Mines Inc. assay laboratory in Schumacher, Ontario.

CORE/REJECTS

Drill core and rejects are stored at Royal Oak Mines core logging facilities in Schumacher, Ontario.

FOOTAGE	LITHOLOGY
0.00- 58.00	**Overburden**
58.00- 65.23	**Argillite-Graphitic** Blocky, strongly conductive
65.23- 65.31	**Massive Pyrite (+ Aspy?)** Banded
65.31- 76.50	**Argillite-Graphitic** Microfolds, pyrite balls
76.50- 86.00	**Conglomerate** Matrix graphitic
86.00- 90.90	**Massive Mafic Volcanic** Weakly sericitic
90.90-101.60	**Conglomerate** Moderate to locally strongly sericitic
101.60-104.00	**Conglomerate** Matrix graphitic
104.00-110.00	**Conglomerate** Sericitic, locally trace green mica fragments
110.00-113.00	**Conglomerate, Heterolithic** Silicified matrix
113.00-115.20	**Conglomerate** Sericitic
115.20-122.00	**Massive Mafic Volcanic**
122.00-125.00	**Conglomerate** Matrix graphitic
125.00-191.00	**Argillite** Graphitic throughout, highly conductive. Bedding at 10-20° to core axis

FOOTAGE	LITHOLOGY
191.00-194.00	**Conglomerate** Matrix graphitic
194.00-197.00	**Conglomerate** Heterolithic, matrix sericitic
197.00-205.00	**Conglomerate** Matrix graphitic
205.00-210.50	**Mafic Volcanic** Sericitic
210.50- 215.00	**Conglomerate** Sericitic
215.00-217.90	**Mafic Volcanic** Weakly sericitic
217.90-231.20	**Conglomerate** Weakly sericitic; 0.515 g/t Au (1.5m) @ 218.5-221.0
231.20-234.10	**Argillite** Graphitic, conductive
234.10-234.40	**Quartz Vein** Ribbon texture, trace pyrite
234.40-240.50	**Argillite/Conglomerate** Graphitic
240.50-243.50	**Conglomerate** Graphitic matrix
243.50-250.00	**Conglomerate** Siliceous
250.0	**EOH**

MIKWAM JOINT VENTURE

SIGNIFICANT RESULTS FROM 1992 DRILL PROGRAM

MK92-5

INTERVAL (m)	ROCK TYPE	WIDTH (m)	ASSAY (g/t)	QTZ/ANK %	PY %	ASPY %	PO %	SPH %	MT %
218.50-221.00	CONGLOMERATE	1.50	0.515	1.0	TR	-	-	-	-

SUMMARY LOG

Hole Number:	MK92-7
Date Drilled:	December 1-6, 1992
Contractor:	Bradley Bros. Ltd. (Noranda)
Project:	Mikwam Joint Venture (2703)
Location:	Golden Shield Area
Township:	Hoblitzell
Claim No.:	L-628660
Co-ordinates:	L-102+97W, 3670S, Azimuth 180°, dip -52°
Length:	297m
Casing:	10 (BW), left in hole and capped
Purpose:	To undercut 100m below intersection of 1.52 g/t Au over 5.5m in DDH 260883 on L-103+00W
Logged by:	P. Coad

RESULTS

GEOLOGY

Hole collared in chloritic (biotitic) iron formation (moderately-strongly magnetic) with local pink garnets and minor chloritoid. Thin screens of intermediate-felsic tuff (weakly to moderately magnetitic) are intercalated within the IF which continues to 80.60m. Intermediate-felsic tuff and lapilli tuff (colourless to blue quartz-eye phyric) continues down the hole to 233m. This clastic unit is disseminated with magnetite and locally marked by intervals of hematization which tend to contain higher pyrite contents. Albitization occurs locally within the IF and also down-the-hole further in intermediate-felsic lapilli tuff. Quartz veining and slightly elevated pyrite values are coincident with this albitization.

The following intervals of quartz veining and pyrite mineralization were encountered. The best gold assays returned were 8.98 gpt or 0.262 opt Au over 0.5m, and 4.6 gpt or 0.138 opt Au over 0.6m in two separate areas. See below for details.

Interval	Quartz	Sulphides	Gold (ppb)	Host
18.00- 18.50 (0.5m)	55%	2.5% Py	515	IF chloritic
18.50- 23.60 (5.1m)	19%	tr-3% Py	1312*	IF chloritic
23.60- 32.00 (8.4m)	0-10%	tr Py, Cp, Zn	315**	IF chloritic
72.62- 78.50 (5.88m)	0.5-15%	0-3.5% Py	431	Albitized IF
79.40- 80.60 (1.2m)	85%	2.5% Py	2486***	Tuff
80.60-105.50 (24.9m)	0-10%	0-0.5% Py	62	Hematized Tuff
119.60-120.60 (1.0m)	85%	tr Py & Mt	<35	Tuff
120.60-181.50 (60.9m)	0-20%	0-2% Py	****	Intervals of Hematized Tuff
197.0-197.50 (0.5m)	75%	1% Py	<35	Albitized Tuff

* includes 0.262 opt Au/0.5m @ 21.50-22.00m
** includes 2.19 gpt/0.9m @ 23.60-24.90m
*** includes 0.138 opt Au/0.6m
**** best 585 ppb Au (1.5m) @ 147.50-149.00m. Remainder averages <35 ppb Au, except 310 ppb Au (1.4m) @ 120.60-122.00m

Values of 1200 ppm Zn, 141 ppm Cu and 0.7 gpt Ag (<35 ppb Au) over 1.5m were returned from 44.00-45.50m (moderately magnetic intermediate tuff). Also 381 ppm Zn, 93 ppm Cu, 1 gpt Au, 945 ppb Au over 9.0m from 20.00-29.00m, in chloritic iron formation.

SAMPLING

87% of the hole (n=196) was sawed and fire assayed for gold (1 A.T.) with an atomic absorption finish and 13% of the hole (n=7) was grabbed with "buttons" of core selected over a specified interval for fire assaying and A.A. finish as above (total specimens n=203, representing 100% of the hole). Sixteen of the above specimens were also analyzed for Ag, Cu and Zn. All pulps and rejects were saved for future reference. Analytical work performed by Royal Oak Mines Inc. Assay Laboratory in Schumacher, Ontario.

CORE/REJECTS

Drill core and pulps/rejects are stored at Royal Oak Mines Schumacher core logging facilities in Schumacher, Ontario.

METRAGE	LITHOLOGY
0.00- 10.10	**Overburden**
10.10- 15.50	**Iron Formation - Chloritic** Moderately to strongly magnetic with 10-15% pink garnets, local QE and trace pyrite.
15.50-18.00	**Intermediate-Felsic Lapilli Tuff - QE Phyric** 1.5-2.0% py and minor quartz veins.
18.00-18.50	**Quartz-Carbonate Vein** Minor black tourmaline and 2.5% pyrite; 515 ppb Au (0.5m).
18.50-23.60	**Iron Formation - Chloritic** Approximately 19% quartz-carbonate veins (deformed) with sericitic alteration halos (tr-3% pyrite). Unit moderately-strongly magnetic. 1312 ppb Au (0.038 g/t Au) over 5.1m; includes 0.262 g/t Au from 21.5-22.0m.
23.60-24.50	**Intermediate-Felsic Tuff - QE Phyric** 0.064 g/t Au (0.9m).
24.50-32.00	**Iron Formation - Chloritic** Moderately to strongly magnetic, with local fine grained to coarse grained garnets and local chloritoid in chlorite-rich bands; sphalerite as halos in calcite vein at 27.0m - note sphalerite and chalcopyrite also on slip! Quartz-carbonate veins (8-10%) with trace pyrite. Best: 410 ppb Au (0.5m) at 28.50-29.00m.
32.00-35.50	**Intermediate-Felsic Tuff** Bladed muscovite crystals in calcite fracture? Sent for X-ray.
35.50-39.40	**Iron Formation - Chloritic** Moderately-strongly magnetic; 0.5-3.0% quartz with trace pyrite.
39.40-64.00	**Intermediate-Felsic Tuff** Speckled by fine grained magnetite crystals; local calcite speckling and weak albitization, local pink garnets. Unit weakly-strongly magnetic; tr-8% quartz with 0-1% pyrite and tr cp.

METRAGE	LITHOLOGY
64.00-72.62	**Iron Formation - Chloritic** Moderately to strongly magnetic; albitization as scattered fine to medium grained anhedral-subhedral crystals - locally as patches (pink-orange tint). 0-1.0% quartz with 0-1.0% pyrite. Best: 340 ppb Au (1.62m) at 71.00-72.62m.
72.62- 78.50	**Albitized Zone** Albitized as medium grained "zits" (pink tint) in moderately magnetic rock: protolith is iron formation. 0.5-15% quartz-carbonate with 0-3.5% pyrite; local sericite alteration. Halo on QV's. 431 ppb Au (5.88m).
78.50- 79.40	**Iron Formation - Chloritic** Hematized and albitized - local garnets and blue quartz-eyes. Moderately to strongly magnetic; 1% quartz-carbonate veins with trace pyrite.
79.40- 80.60	**Quartz Vein** White albite and chloritic wisps/voids and sericite and hematite alteration halo in host IF; 1.5-3.5% pyrite; 2486 ppb Au (1.2m); includes 4.7 gpt or 0.138 opt Au (0.6m).
80.60-105.50	**Intermediate-Felsic Tuff (local lapilli) QE Phyric** Hematized and moderately to strongly magnetic; local albitization; 0-10% quartz with local tourmaline; 0-0.5% pyrite. Best: 205 ppb Au (1.5m) at 95.00-96.50m.
105.50-110.50	**Intermediate-Felsic Tuff - QE Phyric** Chloritic and biotitic, local blue QE. Best: 205 ppb Au (2.0m) at 108.50-110.50m.
110.50-114.70	**Intermediate-Felsic Lapilli Tuff - QE Phyric** Tr quartz and pyrite.
114.70-115.10	**Tuffaceous-Sediment?** Sericitic-hematitic alteration halo with blue QE about QV - offset 4 cm by left-handed fault (10°); 1% pyrite and trace quartz; facing up-hole to north by grading.
115.10-119.00	**Intermediate-Felsic Lapilli Tuff - QE Phyric** Moderately-strongly magnetic. Best: 275 ppb Au (0.9m) at 115.10-116.00m.
119.00-119.60	**Tuffaceous-Sediment** 5% quartz and tr pyrite.

METRAGE	LITHOLOGY
119.60-120.60	**Quartz Vein** Tr-0.2% pyrite and local disseminated magnetite.
120.60-181.50	**Intermediate-Felsic Lapilli Tuff - QE Phyric** Moderately magnetic due to disseminated fine grained magnetite crystals. Cp in thin band @ 125.00m; chloritic (darkened by magnetite) @ 120.60-125.00, 132.75-141.50, 155.00-164.00, 170.00-181.50. Hematitic @ 125.00-132.75, 141.50-155.00. Quartz-albite veining ranges from 0-20% with 0-2% pyrite. Sulphides stronger in hematized areas. Local minute garnets. Best: 585 ppb Au (1.5m) at 147.50-149.00m.
181.50-182.55	**Quartz Vein** 1-2% tourmaline.
182.55-197.00	**Intermediate-Felsic Tuff - QE and Albite Phyric** Moderately to strongly magnetic, albitized.
197.00-197.50	**Quartz Vein** Host is magnetic tuff; black tourmaline and chlorite in QV; 1% pyrite.
197.50-234.28	**Intermediate-Felsic Lapilli Tuff - QE and Albite Phyric** Chloritic (moderately-strongly magnetic with crystals), siliceous and locally pink-red coloured by hematite alteration; unit albitized by medium to coarse grained crystals!! 0-2.0% QV and tr-3.0% pyrite in local thin bands. Note pyrite content increases with intensity of albitization! Best: 960 ppb Au (1.5m) at 221.00-222.50m.
234.28-234.32	**Fault Gouge (77°)**
234.32-297.0	**Intermediate-Felsic Lapilli Tuff - QE and Albite Phyric** Grey-green-pink due to varying degrees of chlorite, biotite and hematite alteration. Unit is variably albitized as isolated crystals and as patches or bands. Unit weakly to moderately magnetic due to finely disseminated magnetite grains. Blue QE. Minor quartz-calcite veining with only minor pyrite (see log for detail). Best: 925 ppb Au (1.5m) at 246.00-247.50m; 219 ppb Au (6.1m) at 258.00-264.10m.
297.0	**E.O.H.**

SUMMARY LOG

Hole Number:	MK92-8
Date Drilled:	December 7-9, 1992
Contractor:	Bradley Bros. Ltd. (Noranda)
Project:	Mikwam Joint Venture (2703)
Location:	Golden Shield Area
Township:	Hoblitzell
Claim No.:	L-628655
Co-ordinates:	L-105+00W, 3720N, Azimuth 180°, dip -45°
Length:	200m
Casing:	10m (BW), left in ground and capped
Purpose:	To test gold-bearing structure 200m to the west of fence marked by MK92-7 and 88-3 on L-103+00W
Logged by:	P. Coad

RESULTS

GEOLOGY

Entire hole intersected a package of intermediate-felsic lapilli tuff-QE phyric (grey-blue) and noticeably albitized after 40.65m. These rocks could easily be sediments. Unit is variably magnetic due to finely disseminated magnetite. Intersected a structured quartz zone from 29.00-39.75m (10.7m), averaging 32% quartz and 3% pyrite. This zone is also marked by albitization, carbonatization and tourmalinization. Two additional quartz zones were intersected at 156.00-160.30m (4.3m - 24% quartz and 3% pyrite) and 168.50-169.10 (0.60m - 15% quartz and 1.5% pyrite). All significant intersections are listed below.

Interval	Quartz	Sulphides	Gold (ppb)	Host
29.00- 39.75 (10.75m)	32%	3% Py	235	Qtz tourmaline-albite zone in hematized & sericitized tuff sediment
69.50- 75.50 (6.0m)	0.5%	1.5% Py	797*	Albitized & hematized tuffaceous-sediment
78.50- 80.50 (2.0m)	4% 2.5% albite	1% Py	885	Albitized & hematized tuffaceous sediment
108.50-113.00 (4.5m)	trace	tr-0.5% Py	780	Albitized - weakly hematized QE phyric tuffaceous sediment
115.40-138.50 (23.1m)	0.5%	0.25% Py	472**	Albitized - weakly hematized tuffaceous sediment
156.00-160.30 (4.3m)	24%	3% Py	91	Quartz zone with calcite and minor tourmaline

* Interval includes geochem grab from 69.5-73.5 (4.0m) with 685 ppb Au

** Interval includes geochem grabs from 115.4-125.0 (9.6m - 585 ppb Au), and 130.4-138.5 (8.1m - 445 ppb Au)

SAMPLING

74% of the hole (n=110) was sawed and fire assayed for gold (1A.T.) with an atomic absorption finish and 26% of the hole (n=9) was grabbed with "buttons" of core selected over a specified interval for fire assaying and A.A. finish as above (total specimens n=119, representing 100% analysis of the hole). All pulps/rejects are saved for future reference. Analytical work was performed by Royal Oak Mines Inc. Assay Laboratory in Schumacher, Ontario.

CORE/REJECTS

Drill core and rejects are stored in locked premises at Royal Oak Mines Inc. Schumacher core logging facilities in Schumacher, Ontario.

METRAGE	LITHOLOGY
0.00- 10.00	**Overburden**
10.00- 29.00	**Intermediate to Felsic QE Phyric Tuff** Moderately magnetic and hematized - local lapilli clasts. Best: 410 ppb Au (1.2m) at 27.30-28.50m.
29.00- 39.75	**Quartz Zone** Pitted quartz-tourmaline-albite-calcite veining in hematitic tuff/sediment. Bleached buff alteration halos. QE phyric (hematitic) tuff/sediment with 5% pyrite from 34.0-35.0m. Fault @ 36.6m (50° gouge) and 38.0-38.30 (20°). Entire zone averages 32% quartz and 3% pyrite. Best: 615 ppb Au (1.0m) at 31.00-32.00m; 280 ppb Au (4.75m) at 35.00-39.75m.
39.75- 40.15	**QE Phyric Tuff/Sediment** Hematized.
40.15- 40.65	**Fault Zone** 5% quartz and 2% albite (2% pyrite). 275 ppb Au (0.5m).
40.65-126.06	**Intermediate Felsic Lapilli Tuff/Sediment** QE and albite phyric (i.e. albitized). Locally hematized. Minor pyrite and quartz-carbonate veining. 797 ppb Au (6.0m) at 69.50-75.50m, includes geochem sample of 685 ppb Au (4.0m) at 69.50-73.50m; 321 ppb Au (10.2m) at 77.70-87.90m; 271 ppb Au (17.56m) at 108.50-126.06m (includes geochem sample). Note: 780 ppb Au (4.5m) at 108.50-113.00m.
126.06-126.27	**Fault Zone** 275 ppb Au (0.21m).
126.27-156.00	**Intermediate-Felsic Lapilli Tuff/Sediment** QE and albite phyric (i.e. albitized). 0-15% quartz and tr-2.0% pyrite; local blue QE and weakly to moderately magnetic. Best: 410 ppb Au (12.23m) at 126.27-138.50m, includes geochem samples of 445 ppb Au (8.1m) at 130.40-138.50m, 108 ppb Au (17.5m) at 138.50-156.00m (includes geochem sample of 70 ppb Au (8.8m) at 141.70-150.50m).

METRAGE	LITHOLOGY
156.00-160.30	**Quartz Zone** Folded quartz-carbonate-tourmaline; local green mica zits in bleached sericitized halos. Interval averages 24% quartz and 3% pyrite. 91 ppb Au (4.3m).
160.30-168.50	**Intermediate-Felsic Tuff/Sediment** Weakly-moderately magnetic due to disseminate magnetite crystals. Quartz vein (35%) @ 164.00-165.00m with 0.5% tourmaline and 1% pyrite. Best: 105 ppb Au (1.5m) at 161.00-162.50m.
168.50-169.10	**Quartz Zone** 15% quartz + 2.5% carbonate + 1.5% pyrite.
169.10-200.00	**Intermediate-Felsic Tuff/Sediment** Locally albitized. 0-20% quartz with 0-2% pyrite. Best: 170 ppb Au (3.5m) at 171.00-174.50m and 170 ppb Au (1.5m) at 179.00-180.50m.
200.00	**E.O.H.**

SUMMARY LOG

Hole Number:	MK92-9
Date Drilled:	December 10-16, 1992
Contractor:	Bradley Bros. Ltd. (Noranda)
Project:	Mikwam Joint Venture (2703)
Location:	Golden Shield Area
Township:	Hoblitzell
Claim No.:	L-628673 (collar) L-628668-L628669 (EOH)
Co-ordinates:	L-92+00W, 3650S, Azimuth 180°, dip -48°
Length:	500m
Casing:	19m (BW), left in ground and capped
Purpose:	To test gold-bearing structure 0.5 km west of fence marked by DDH's 88-8 and 88-13 (i.e. L-87+00W)
Logged by:	P. Coad

RESULTS

GEOLOGY

Hole collared in albitized intermediate-felsic lapilli tuff with variably quartz veining and then into a thick package of basalts (high Fe-tholeiite - variably magnetic) with sections of strong biotite and local garnet development. A mineralized zone (5.56m) with 17% quartz (+20% albite) and 7% pyrite marks the contact between the above basalt package to the north and sediments to the south which are variably altered (i.e. hematized and albitized) and weakly to moderately magnetic due to finely disseminated magnetite. Both strike and tension veins/veinlets of quartz-calcite-albite-tourmaline occur throughout these sediments.

All significant intersections are listed below:

Interval	Quartz	Sulphides	Gold (ppb)	Host
36.50- 44.70 (8.2m)	22%	5% Py	343	Basalt (tourm.)
62.20- 78.00 (15.5m)	10.5%	2% Py	299	Basalt (biotized & tourm.)
127.47-127.64 (0.17cm)	0%	98% Py	105	(291 ppm Cu, 44 ppm Zn, 28 ppm Pb, 2.1 ppm Ag)
127.64-133.20 (5.56m)	17% +20% albite	7% Py	187	Sediment

SAMPLING

48% of the hole (n=182) was sawed and fire assayed for gold (1A.T.) with an atomic absorption finish and 48% of the hole (n=24) was grabbed with "buttons" of core selected over a specified interval for fire assaying and A.A. finish. This represents 96% of the hole being analyzed (n=206). All rejects were saved for future reference. Analytical work was performed by Royal Oak Mines Inc. Assay Laboratory in Schumacher, Ontario.

CORE/REJECTS

Drill core and pulps/rejects are stored in locked premises at Royal Oak Mines Inc. Schumacher core logging facilities in Schumacher, Ontario.

METRAGE	LITHOLOGY
0.00- 19.00	**Overburden**
19.00- 36.50	**Albitized Intermediate-Felsic Tuffaceous-Sediment-QE and Albite Phyric** Siliceous, weakly-moderately magnetic; 1-15% albite crystals as disseminations and patches; local blue QE. Trace-3% quartz and trace-3.5% pyrite.
36.50- 38.00	**Quartz Zone** Dirtied by chlorite and tourmaline. Orange-pink aphanitic albite and calcite associated. 63% quartz and 10% pyrite. Host is massive chloritic basalt (?). Averages 683 ppb Au (1.5m).
38.00- 52.20	**Intercalated Basalt (High Fe-Tholeiite) and Quartz Zones** Veining also marked by pink-orange calcite-albite and black tourmaline. Locally strongly magnetic. Averages 6% quartz and 2% pyrite with traces of Cp. Best: 411 ppb Au (3.7m) at 41.00-44.70m.
52.20- 62.20	**Basalt (High Fe-Tholeiite)** Weakly-strongly magnetic; local dusting by tourmaline and biotite. Averages 1% quartz, 3% tourmaline and trace pyrite with trace Cp veins in pillow interstices?
62.20- 64.15	**Quartz Zone** Averages 11% quartz and trace pyrite and 1% Cp.
64.15- 67.00	**Basalt (High Fe-Tholeiite)** Averages 1% quartz and trace pyrite.
67.00- 78.00	**Quartz Zone** Mg-chlorite associated with quartz-calcite veins; local buff alteration halos - typically pitted. Pink-orange albite and black tourmaline associated. Averages 12% quartz and 2% pyrite. 359 ppb Au (12.0m). Best: 925 ppb Au (1.0m) at 75.00-76.00m.
78.00-105.56	**Basalt (High Fe-Tholeiite)** Predominantly massive and biotized; local pink garnets. Weakly-moderately magnetic. Averages 0.5% quartz, 2% calcite and 1% pyrite. Best: 340 ppb Au (1.5m) at 78.50-80.00m.
105.56-106.67	**Mylonite**

METRAGE	LITHOLOGY
106.67-106.84	**Lamprophyre?**
106.84-127.47	**Basalt (High Fe-Tholeiite)** Dark green-brown due to biotite alteration. Weakly to strongly magnetic. Local small amygdules. Averages 2% quartz and 0.25% pyrite with traces of chalcopyrite. Best: 790 ppb Au (1.5m) at 119.00-120.50m.
127.47-127.64	**Massive Sulphides** Banded and pitted pyrite with very thin partings of fine grained magnetite. Calcite gangue averages 98% pyrite. 105 ppb Au, 291 ppm Cu, 44 ppm Zn, 28 ppm Pb, 2.1 ppm Ag.
127.64-128.40	**Basalt (High Fe-Tholeiite)** Massive, biotitic and moderately to strongly magnetic; 1-10% garnets with local blue QE. Averages 4% pyrite and 20% magnetite.
128.40-133.20	**Quartz Zone** Quartz veining, silicification, albitization (aphanitic - orange-pink), tourmaline and magnetite in bleached sediment. Coarse garnets at in-contact. Averages 19% quartz, 23% albite, 8% pyrite and 11% magnetite. 211 ppb Au (4.8m). Best: 615 ppb Au (1.0m) at 130.00-131.00m.
133.20-148.70	**Sediment** Grey with biotite near in-contact. Weakly hematitic; flame-structures (139.00m) indicate tops up-hole to north. Averages 2.5% quartz and 0.25% pyrite.
148.70-149.57	**Mafic Dike?** Mottled grey-pink with possible epidote-sericite; local blue QE; possibly altered sediment.
149.57-219.25	**Sediment** Fine grained with pinhead QE (local blue tinted) and local garnets. Weakly to moderately magnetic. Minor quartz-calcite-albite-tourmaline veins. Averages 2.5% quartz and 0.25% pyrite. Best: 753 ppb Au (11.6m) at 183.40-195.00m; includes geochem sample of 855 ppb Au (10.0m) at 185.00-195.00m.

METRAGE	LITHOLOGY
219.25-220.39	**Lamprophyre** Biotized.
220.39-266.0	**Sediment** Minor garnets in areas of chlorite-biotite alteration; local blue QE; minor strike and tension veins of quartz-calcite-albite-tourmaline exhibit chlorite (Mg) alteration halos. Locally weak sericite and coarse white mica. Quartz vein 40%) at 243.00-243.60m and 263.00-264.00m (20%). Best: 310 ppb Au (1.5m) at 237.50-239.00m.
266.00-269.00	**Sediment-Conglomerate** 1-3% stretched clasts. Minor quartz-calcite-albite veins (<0.5%). Strike and tensional; left-handed (1cm) fault (20°) at 269.00m. Best: 515 ppb Au (1.0m) at 266.00-267.00m.
269.00-293.54	**Sediment** Minor minute dark argillaceous chips. Minor crenulation cleavage evident. Local blue QE. Garnets in areas of chlorite development. Quartz-calcite-tourmaline veins boudinaged. Also tensional veinlets. Average 0.5% quartz and trace pyrite. Best: 340 ppb Au (1.5m) at 288.50-290.00m.
293.54-294.50	**Lamprophyre?** Banded, biotized with calcite partings and knots.
294.50-296.16	**Albitized Sediment** Could be mistaken for "granodiorite" - just grey-pink albitized-hematized-biotized clastic sediment. Unit dirtied by fine grained magnetite.
296.16-310.42	**Sediment** Minor albitization; garnets in areas of chloritization. Minor quartz veining and trace to 2% pyrite.
310.42-312.26	**Lamprophyre** Biotized with minor stretched chloritized clasts. 7.5% combined quartz-calcite with trace pyrite.

METRAGE	LITHOLOGY
312.26-314.00	**Sediment-Conglomerate** 1-4% stretched chloritic fragments; possible variolitic clast at 312.86m; 0.5% garnets - locally form continuous bands; 2-3% PbS with trace ZnS in 2.5 cm QV (strike); 1-2.5 cm wide pyrite band/lamellae 4 cm from this QV. Averages 0.5% quartz, 3% pyrite, 2% PbS and trace ZnS. 35 ppb Au, 59 ppm Cu, 116 ppm Zn, 102 ppm Pb, 0.7 ppm Ag (1.74m).
314.00-315.50	**Albitized Sediment** Chloritic with local garnets and 0.5% pinkish subhedral albite.
315.5-359.43	**Albitized & Hematized Tuffaceous Sediment** Less than 1-4% dark stretched clasts. Albitization as discrete crystals, aphanitic wisps (orange-pink) and local patches or bands (i.e. 325.3-326.73); QV's exhibit pink alteration (hematite) halos. Unit dirtied by fine grained disseminate magnetite. Local coarse bronzy mica and biotite on vein margins. Averages 1% quartz and 1% pyrite. 650 ppb Au (2.2m) at 320.00-322.20m; 241 ppb Au (19.08m) at 340.35-359.43m (includes geochem intervals).
359.43-362.10	**Sediment** Chloritic and locally strongly magnetic; 1-10% fine to medium grained pink garnet. Averages 3% quartz and 0.5% pyrite. 191 ppb Au (2.67m).
362.10-376.15	**Sediment-Conglomerate** Hematized with 1-10% stretched pink clasts in lighter pink matrix; local blue QE. Averages 0.5% quartz and trace pyrite. 403 ppb Au (5.15m) at 371.00-376.15m.
376.15-380.93	**Tuffaceous-Sediment** Weakly hematitic; cross cleavage (i.e. oblique to bedding) suggested by micro-diamond pattern.
380.93-381.12	**Fault Zone** Brittle-fault with angular fragments in clay sericite matrix (50°); secondary tensional fault (35°) within main fault; 2% quartz.

METRAGE	LITHOLOGY
381.12-384.14	**Hematized Tuffaceous-Sediment** Frequent 20-30° slips with local micro breccia (thrusts?). Speckled by disseminated fine grained magnetite. Averages 3% quartz and trace pyrite. Best: 685 ppb Au (1.88m) at 381.12-383.00m.
384.14-388.80	**Tuffaceous-Sediment** Weakly magnetic and hematized. At 387.50, 5 cm sericitized band with crenulation cleavage.
388.80-389.43	**Quartz Vein** Pale green-yellow alteration halos. Streaks of black non-conductive carbon and chlorite associated. 10% quartz and 2.5% coarse pyrite.
389.43-467.16	**Sediment-Conglomerate** Weakly to moderately hematized with 1-10% clasts (variable lithologies and variably stretched). Albitization picks up after 434.0m. Local blue QE and minor tourmaline. Averages 2% quartz and 0.5% pyrite. Both strike and tensional veins. Best: 310 ppb Au (2.54m) at 402.96-405.50m; 275 ppb Au (1.1m) at 427.50-428.60m; 400 ppb Au (3.0m) at 433.00-436.00m.
467.16-500.00	**Tuffaceous Sediment** Hematized and chloritic and moderately albitized. Weakly to moderately magnetic. Local epidote with quartz in area of strong hematization/albitization (483.40-485.75m). Averages 1% quartz and trace pyrite.
500.00	**E.O.H.**

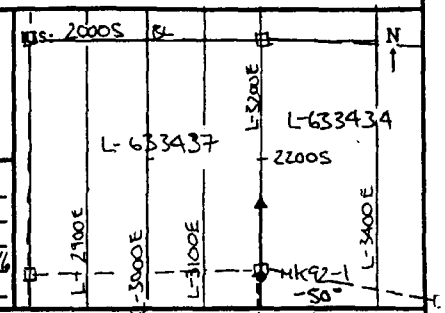
TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE Project No: 2703 Category: A8

HOLE #: MK92-1 NORTHING: 2410S (Surveyed) EASTING: 3200E ELVN: P. Cod LENGTH: 275.0

TWP: Normorthy Twp. Drilled by: Bradley Brothers Ltd Logged by: P. Cod Start: June 16, 1992
Claim: 633435, 633434 Core Stored: Timmins Casing/Size: 34 BW, 31 NW (BQ) Finish: June 19, 1992

Dist	Azim	Dip	Dist	Azim	Dip	Dist	Azim	Dip	Dist	Azim	Dip
0	360°	-50°	200	—	—	BAD SPERRY SUN			TEST		
65m	—	-45°	275	—	—	" " "			"		
150m	—	-46°	275	—	43°	ACID					

Purpose/Results: To test I.P. ANOMALY AND STRATIGRAPHY 100m east of 262-86-9. Intersected 26% QTZ, 3% Py from 171.5-218.70 (47.2m) and 58% QTZ, 2% Py from 218.70-228.20 (9.5m). Includes 2.6%



1:10000

Alteration Parameters (%) * Assay @ 218.70-226.5 (7.8m) 5.61 g/t Au (7.2m) @ 218.0-225.20 m!!

Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank	%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
34.0						CASE																		CASING LEFT IN. (34 BW + 31 NW)
38.0	SS	fg	bnd	BLK	gr	Sc	D	40			0.5		0.5		0.2									SEDIMENT - ARGILLITE Grey-blk, silky with muddy slips, 2 cm gouge @ 37.04 (60°)
39.41	SS	fg	bnd	BK	gr	Sc	B	60			1.0		1.0		1.0							13501	1.41	SEDIMENT - ARGILLITE D.C. marked ≤ 1.5% py Xtals in 2 cm band, rusty ank o- QV margins
41.0	SS	fg	bnd	gy	ser	Stgp	B	50			1.0		1.0		0.5							13502	1.59	Tuffaceous - Sediment - Quartz-eye porphy. (0-1.0%), colourless and ≤ 0.5mm At 39.42, 2 cm gouge (rusty) 45° Tightly folded QTZ-ank vein.
42.5	SS	fg	bnd	gy	Arg	Stgp			F	SS	4.0		2.0		0.20							13503	1.5	Mixed Argill. and tuffaceous sed. (dominant QTZ - domal (?) fold? with brown ank @ 41.20 (4cm); wk ser alt
44.0	SS	fg	bnd	gy		Sc	D	40			1.5		3.0		0.20							13504	1.5	Argill. Sediment - locally wk-mod ser, next to thin QVs; limonite ank in matrix (leaking pyrite)
45.5	SS	fg	bnd	gy	ser	Stgp	B	45			1.5		1.0		0.10							13505	1.5	Tuff - Sediment Quartz-eye Porphyritic Wavy folding; grey-yell with strought

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
38.0																			
39.41	Sa	13501	1.41			135													
41.0	Stgp	13502	1.5			445										329			
42.5	Stgp	13503	1.5			375													
44.0	Sa	13504	1.5			995													
45.5	Stgp	13505	1.5			105													

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
																									Sericic next to QTZ/ank veins (5); local green mica; v.fg QE (±0.5%)
47.0	SS	fg	bnd	yg	ser	Stgp	B	55	F	5	1.5		1.0			0.7						80	13506	1.5	Tuff-Sediment QE phyric Yell-grey, wk-mod. sericitic & local green mica (muscle); local cmnul (F, C 0-5°); Py as cse ragged clots
48.5	SS	fg	green	gy/	Arg	Stgp	B	60	F	5	0.5		1.0			0.10							13507	1.5	As above but argil. component
50.0	SS	"	"	"	"	"	B	40	F	40	1.5		1.0			0.10	0.10					85	13508	1.5	Green C 5-40°, wk-mod. ser. From 48.5-50 - local green mica with mod. ser. next to grey-blue-white QV-ank; variable bedding / cmnl, local cse subh py clots and f.g. py in QV.
51.5	SS	fg	green	yg	ser	Stgp					1.5		1.5			0.4	0.4						13509	1.5	Tuff-Sediment-QE PHYRIC Yellow-grey - mod. sericitic & local green mica, microfolding! Py as subh. cse Xtls., rusty limon. C 50.03, poss fault?
53.0	SS	Vfg	green	yg	ser	St	B	65	F	5	1.0		2.0			0.10	0.10						13510	1.5	Tuff-Sediment wk-mod. sericitic and local Str cmnul.
54.5	SS	fg	bnd		arg	St	B	65	F	35	2.5		1.5			0.40	0.4						13511	1.5	Tuff-Sediment Grey with sections of yell, wk-mod ser + green mica next to QTZ/ank veins
56.0	SS	fg	green		ser	St	B	45	F	40	2.5		1.5			0.4	0.4		Sph	0.10		85	13512	1.5	Argillic-Sediment Grey and micro cmnul., ser. near o.c. ones - due to increase in QTZ/ank, local green mica; to sil in QV C 154 70
57.5	SS	fg	green	yg	ser	Stgp	B		F	20	3.5		1.5	tour	0.20	0.35	.10					85	13513	1.5	Tuff-Sediment-QE phyric

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
47.0		13506	1.5	.070															
48.5		13507	1.5	1.06															
50.0		13508	1.5	.205												564			
51.5		13509	1.5	.035															
53.0		13510	1.5	8.770															
54.5		13511	1.5	1.170												47			
56.0		13512	1.5	0.170															

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
																									Mod. Sericitic with well developed intrud. & grey-white-blue QV - local green mica. Gen - local (20°) fol. Py + po in QV. Rare "mises" of QV folds? ⊥ banding?
59.0	SS	fg	bnd	yg	ser	Stgp	B	55	F	55	2.5		2.0			0.5	0.20					65	13514	1.5	Tuff - Sed - QE physic wk - mod. ser. with local green mica lamellae. poss. buff matrix (ash) clast (?) V. minor carb. Py as matrix dissem + rare Xbls/clots
60.5	SS	fg	bnd	gy	arg	Stgp	B	55	F	40	0.25		0.20			0.10						60	13515	1.5	Tuff - Sediment - QE physic (fg.) Grey due to mod. argill component and wk sericite. Finely bnded & crenulated. Unit locally limon. & pitted.
62.0	↓	fg	↓	gy	"	Stgp	↓	↓		↓	↓		↓			↓						↓	13516	1.5	
63.5		fg		gy	"	Stgp																	13517	1.5	
65.5	↓	fg	↓	"	"	Stgp	↓	↓		↓	↓		↓			↓						↓	13518	2.0	
67.0	SS	fg	bnd	yg	ser	Stgp	B	60			0.5		1.0										13519	1.5	Tuff - Sediment - QE physic wk - mod. sericitic with fg. QE
68.0	SS	fg	bnd		ser	Stgp	B	60			0.5		1.0										13520	1.0	Intrud. 4 bkg, pitted & limonitic.
69.5	↓	↓	↓		↓	↓					1.0		1.5										13521	1.5	
71.0											0.5		2.5										13522	1.5	
72.5											1.0												13523	1.5	
74.0						↓					0.2		1.5										13524	1.5	
76.10	↓	↓	↓		↓	Stgp	B	55					0.2										13525	2.1	Tuff-sed with argill component o.c. limonitic oxid 2% cm. Poss fault @ 60° Microcarn. in unit
77.00	SS	fg	bnd	gy	arg	Sa	B	60			0.5		2.0										13526	0.50	Arg/Lgrans Sediment Grad - black with fine banding - delic. crenul. end.
78.5	"	"	bnd	gy	arg	Sa	B	60	F	15	2.0		2.5			0.2							13527	1.5	
80.0						Sa					0.5		1.0			.10							13528	1.5	
81.5						Sa	B	40	F	5	0.5		1.0			0.3							13529	1.5	o.c. gradational.
83.0	SS	"	bnd	yg	ser	Stgp	B	40	F	0	0.5		1.0			0.3							13530	1.5	Tuff - Sediment - QE physic Grung yel due to wk - mod. ser alt'n

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
59.0		13514	1.5	0.135												33			
60.5		13515	1.5	0.170															
62.0		13516	1.5	0.105															
63.5		13517	1.5	0.206															
65.5		13518	2.0	0.070												28			
67.0		13519	1.5	0.205															
68.0		13520	1.0	.070															
69.5		13521	1.5	.035															
71.0		13522	1.5	.135															
72.5		13523	1.5	.170															
74.0		13524	1.5	.035															
76.10		13525	2.1	.135												25			
77.00		13526	0.90	.070															
78.5		13527	1.5	.035															
80.0		13528	1.5	.035															
81.5		13529	1.5	.035															
83.0		13530	1.5	.035															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
																									Delicate crenul.
84.5	SS	fg	bnd	yg	ser	Stgp	B	45			0.25		2										13531	1.5	Tuff-Sediment QE porphy.
86.0	SS	fg	cren	yg	ser	u	B	50	F	10	0.20		0.2						0.10	0.10			13532	1.5	Upper part marked by rusty matrix ank. delicate crenul.; trace spl + sfpy in 0.66 mm² grey wk QV. - sweat? @ 85.90
86.6	SS	fg	cren	yg	ser	Stgp	B	30			0.5		0.5			0.10							13533	0.6	
89.0	SS	fg	bnd	gy	ser	Sa	B	45								0.10							11554	2.4	Argillaceous Sediment - foliated crenul.
91.78	SS	fg	bnd	gy	ser	Sa	B	55															13535	2.28	Argil. Sediment Grey-yel & blk arg. partings wk lenticular + limonitic. Rtted Frothy QV (3cm) @ 90.76 (30°)
92.0	SS	fg	bnd	yg	ser	Stgp	B	40															13536	0.72	Tuff-Sediment-QE porphy. Yel. grey due to wk-mod ser. alt. Approx 0.5% fg. QE (Local alt Fe-Thol. bnd-(Em) Local cren.
93.5	SS	fg	bnd	yg	ser	Stgp					0.4		2.0			1.5							13537	1.5	Thin ½ cm wide alt Fe-Thol bands & Fe-Carb spotting @ 93.15, ½ cm msv py band adj. to carb band, delicate crenul wlaves & ext QE
95.0	SS	fg	bnd	yg	ser	Stgp	B	40					3.0			0.5							13538	1.5	
96.5	SS	fg	bnd	gy	avg	Stgp	B	40	F	30	1.5		1.0			0.4							13539	1.5	Tuff-sed - QE Porphy Darkened by argill. component; crenul.
98.0	SS	fg	cren	gy	avg	Sa	B	40			2.0		1.5			0.2							13540	1.5	Argillaceous Sediment Grey with dark partings; local thin mud on slips
99.5	SS	fg	bnd	gy	avg	Sa	B	52			1.5		1.0										13541	1.5	Local thin sed partings next to QV

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
84.5		13531	1.5	0035															
86.0		13532	1.5	.035															
86.6		13533	0.6	.035															
89.0		13534	2.4	.035															
91.28		13535	2.28	.070															
92.6		13536	0.72	.105															
93.5		13537	1.5	.105															
95.0		13538	1.5	.035															
96.5		13539	1.5	.035															
98.0		13540	1.5	.070															
99.5		13541	1.5	.135															

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Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank	%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
101.0	SS	fg	brd	gy	wg	Sa	B	60			3.5		2.0		0.5						60	13542	1.5	Argill. Sed. - wk ser. adj. to qtz. 15 cm wide QTZ-wk vein (glassy) with dirty inclus
101.5	SS	fg	cren	gy	ser	Sa							0.5									13543	0.5	
103.80	SS	fg	cren	yl	wg	Sa	B	40	F	15	2.0		1.0		0.10							13544	2.3	@ 100.84 m.
104.50	SS	fg	cren	yg	chty	S			F	35	0.30				0.10							13545	0.70	Sediment - clearly + sericitized (light yellow) most sericitized; Poss F_1 + F_2 lineations
105.5	SS	fg	cren	gy	wg	Sa	B	40				1.0	1.0		0.20							13546	1.0	Argill. Sediment Flat wavy fract. coated with calcite / Fe Cg Xtals
107.0	SS	fg	cren	gy	wg	Sa	B	50			3.5		2.5		0.40							13547	1.5	Argill.-Sed Structured Claw/folding and. Poss F_1 + F_2
108.5	"	"	cren	gy	wg	Sa			F	30	2.0		1.5		0.4							13548	1.5	As above - complex lineation -local f.g. QE
109.90	"	"	"	"	"	Sa			F	50	2.0		1.5		0.10							13549	1.40	Argill Sed - Complex Cumulations ↓ marked by break @ 65°
11.50	SS	fg	cren	yl	ser	Stgp	B	0	F	60	1.0	2.5										13550	1.6	Tuff-Sediment
12.0	"	"	"	"	"	"	B	30				1.0			0.10							13551	0.6	Yellowish, mod. sericitic and highly cumulated / c'thickl bedding angles 40° brittle fract / faults cut bedding - filled with calcite / QTZ
113.05						FAULT			F	0	2.5	2.0			3.5							13552	0.45	FAULT - Brittle with angular frags in pale green/tan matrix. Complex QTZ-calcite-pyrite vuggy fault/vein (0°) runs length of fault. Fg - c.g. Py Xtls - shiny

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
101.0		13542	1.5	.240															
101.5		13543	0.5	.205															
103.80		13544	2.3	.340															
104.50		13545	0.70	.340															
105.5		13546	1.0	.205															
107.0		13547	1.5	.070															
108.5		13548	1.5	.035															
109.90		13549	1.40	.240															
111.50		13550	1.6	.035															
112.10		13551	0.6	.035															
113.05		13552	0.95	0.615															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl #	Wth	Comments
																									c.c. @ 14° and triple stamps
13.31	SS	fg	bnd	yk	ser	Stgp			F	55													13553	0.26	Tuff-Sed-QE phyric Yellow, mod-str sericitized. o.c. broken 25° fault/slip cuts unit.
113.55	SS	fg	bnd	GK		Sa	B	42			0.20					0.30						0	13554	0.24	Argillite
116.50	SS	fmg	cren	yk	ser	Stgp			F	50						1.0						70	13555	0.98	Tuff-Sediment-QE phyric
116.00	"	"	"	"	"	"	B	10	F	60						1.0							13556	1.5	Vcf, mod-str sericitized, local green mica slips, tensional fractures with white re-fills/py (shiny) cut bedding. F2@50°, Drag folding/cren
117.50	SS	fg	cren	gb		Sa	6	40	F	10	0.20	0.10				1.0							13557	1.5	Argillaceous sediment. (complexly crenulated, py with chl(?) on X-cutting fract
119.00	SSS	fg	bnd	gb		Sa			F	45	1.5	1.0	1.5			0.5						50	13558	1.5	Argil. Sediment Grdy-yk with approx 0.5 m f rusty core.
120.5	SS	fg	cren	gb		Sa					2.0	0.5	2.5			3.0							13559	1.5	Argil. Sed.
122.0			cren	gb		Sa			F	50	2.5	0.5	2.0			2.5							11560	1.5	Dotted QTZ/CO3 veins/pitted/vuggy m.g. py Xtls and ragged 2cm bnd; X-fractures with py & carbonate.
123.50	SS	fg	bnd	gb		Sa	6	45			1.5		1.5			3.5				10			13561	1.5	Argil. Sediment 1-2cm wide py-QTZ-carb fract. (40°) cut by ding Reverse fault slips?
125.0	SS	fg	cren	gb		Sa	F	45	F	40	0.20		1.0			0.20							13562	1.5	Argil. Sediment Grey-yk
126.50	"	"	cren	"		Sa			F	45	0.2		1.5			0.50							13563	1.5	(vug/leached - chips or flattened grains of dk argill beds? X-fract & py+carb.

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
113.31		13553	0.26	.685															
113.55		13554	0.24	.070															
114.50		13555	0.95	.205															
116.00		13556	1.5	.035															
117.50		13557	1.5	.035															
119.00		13558	1.5	.035															
120.5		13559	1.5	.070															
132.0		13560	1.5	.170															
133.50		13561	1.5	.275															
125.0		13562	1.5	.035															
126.50		13563	1.5	.105															

CRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
128.0	SS	fg	cwn	gb		Sc			F	35	2.5		1.5			3.0							13564	1.5	Argill. b.f. Complex Py-QTZ-carb. X-cutting fractures - locally vuggy/patchy Local dm-fold. nd
129.50	SS	fg	cwn	gb		Sc	b	55	F	35	1.0		2.5			2.5							13565	1.5	Argill. Sediment Cwn - sheared out unit. Less tight frit closures in bds. At 128.5, 1-9 cm wide X-fract with pale green mylon mud? and rock-chip clasts other X-fract & shiny crystalline py/QTZ/carb (transect-cuts)
131.0	SS	fg		gb		Sc					1.5		2.5			0.15							13566	1.5	
131.54						Fault					1.5		1.5			2.0							13567	.54	Very-patchy fault in Argill. Sediment. aphanitic pale green mylonitic core. Silica rich with jagged mag fault (ave. 5° c.a.)
132.30	SS	fg	brd	gb	ser	Sc					0.5		1.0			0.20							13568	0.176	Argill. Sediment with sericitic mean p.c worked by 15° fault/slip.
134.0	SS	fmg	brd	yg	ser	Sfgp	b	35			1.5		1.0			1.5							13569	1.70	Tuffaceous-Sediment - GE phase Vrl-ccsy, wk weld schistic Py-QTZ-CO3 X-cutting fract/slips.
135.51	SS	fmg	cwn	yg	ser	Sfgp	b	50	F	15	0.5		0.5			2.0							13570	1.60	Variably F, altitude (15-90) Py+QTZ in X-cutting fract.
136.69	SS	fmg	cwn	gy	carb	Sfgp					0.2		1.0										13571	1.19	Few, tight folds in argill. chips?

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
128.0		13564	1.5	.070															
129.50		13565	1.5	.105															
131.0		13566	1.5	.135															
131.54		13567	.54	.275															
132.30		13568	0.76	.240															
134.0		13569	1.70	.030															
135.50		13570	1.50	.1650															
136.69		13571	1.19	.170															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
138.65	SS	fg	bnd	yg	ser	Stgp					1.5		2.0			1.0							13572	2.0	Tuff-sed-QE phyric wk-mod. sericitic, delicate X-fract. with py. @ 138.50 ½ cm mylon Stgp @ 08°c.a. o.c. 20°
138.54						Fault	F	20															13573	0.15	Fault — pitted/vuggy angular frags in carbonate, silica, mylonite mod matrix.
140.0	SS	fg	carb	yg	ser	Stgp	B	15	F	20	1.0		3.0			.10							13574	1.16	Tuff-sed-QE phyric
140.80	SS	fg	bnd	yg		"					1.5		25			.15							13575	.80	Fract. carb. X-cutting, pitted QTZ. carb fract.
141.23						fault					2.0		2.5			5.0						10	13576	0.43	Irreg. pitted/vuggy QTZ/carb/Py fault cutting Stgp @ low irreg. angle to c.a.
141.87	SS	fg	fold bnd	yr	ser	Stgp					4.5												13577	0.64	Tuff-sed-QE phyric Mod. Sericitized with bands of grey-lime QTZ defining fold
142.00						Fault	F	20			1.5		1.0			2.0							13578	0.13	Fault-Brittle with angular frags in silic + carb matrix.
143.0	SSS	fg	carb	yr	ser	Stgp	B	30	F	40	2.5		1.0			0.10						0	13579	1.0	Tuffaceous-Sediment-QE phyric Mod. sericitized. Fine cumul Might be called "sericite-QTZ. schist"
144.5	SS	fg	carb	yg	ser	Stgp	B	30			3.5					0.25							13580	1.5	Tuff-sed-QE phyric
146.0	↓	↓	↓	↓	↓	↓					2.5					0.30							13581	1.5	wk-mod. sericitic with local dissolution.
147.5																0.45							13582	1.5	Fine-cm py-QTZ-carb in X-cutting fract.-
149.0											2.0		1.0			4.0				.10			13583	1.5	locally dissolved parallel to foliation
151.5											2.5		1.0			3.5							13584	1.5	
152.0							B	35	F	12	1.0		0.5			1.5							13585	0.5	

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
138.69		13572	2.0	1.540															
138.84		13573	0.15	1.680															
140.0		13574	1.16	.310															
140.80		13575	.80	.275															
141.23		13576	.43	.170															
141.87		13577	.64	.135															
142.01		13578	.13	.205															
143.0		13579	1.0	.105															
144.5		13580	1.5	.105															
146.0		13581	1.5	.135															
147.5		13582	1.5	.070															
149.0		13583	1.5	.275															
151.5		13584	1.5	.310															
152.0		13585	0.5	.135															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
153.5	SS	fg	cun	yg	ser	Stgp	D	35	F	15	1.5		1.0			0.20							13586	1.5	Tuff-sed- QE playnic Darkened by intrusive argill. Canyon.
154.30	"	"	"	"	"	"	"	"	"	"	1.0		1.0			1.5							13587	0.80	
154.70						QTZPY	V	30			7.0	5.0	1.5			20.0				.15			13588	1.40	Quartz-Pyrite Vein / fracture / fault in Stgp. pitted. oxides py in ma py - cuts qtz vein & ccc calcite Xtals - Aspy clot in calcite. Struct pass. re-folded?
155.70	SS	fg	bnd	YL	ser	Stgp			F	50	1.5		1.0			0.40							13589	0.50	Tuff-sed - QE playnic Bandinged grey - Stgp QV's. mod-str sericite.
157.10	SS	fg	bnd	Yg	ser	Stgp	B	40			0.20					0.15							13590	1.90	Wkly sericite with thin grey-Yk argill. partings. local ccc fg Xtals
158.0	SS	fg	cun	gb		Sa	B	35	F	30	1.0		0.5			0.25							13591	0.90	Argill. Sediment Banded and crenulated. Py on pass. shadows of bnd. QV
159.5	SS	fg	bnd	gb		Sa					2.5	2.0	1.0			0.5							13592	1.5	Complex QTZ-calcite - Py vein / fracture @ 158.15 (40°) - tensional Vein is pitted / vuggy
160.50		fg	cun	gb		Sa	B	45	F	30	0.5		0.5										13593	1.0	
162.50	SS	fg	cun	yg	ser	Stgp					3.0		1.5			0.10							13594	1.5	Tuff/crenul - Sediment QE playnic
164.0	↓	↓	↓	↓	↓	↓					1.5					0.5							13595	1.5	Yell-grey, wk-mod-str ser. all'n,
165.5					carb						3.0		1.0			2.5							13596	1.5	f.g-m.g. QE (0.5-1.5%)
167.0					str						8.0		3.0			3.5							13597	1.5	Py on X-heat stgp in QV and ccc m.g. Xtals
166.43	↓	↓	↓	↓	↓	↓	B	35	F	30	2.5		1.0			.5							13598	1.43	24 cm dussy / dirty QVP 166.40 From 167-168.42, local X-heat (40°) & QTZ-Py-carb (pitted) - crack seal open space filling

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
153.5		13586	1.5	.275															
154.30		13587	0.80	.070															
154.70		13588	.40	.205															
155.26		13589	0.50	.035															
157.10		13590	1.90	.035															
158.0		13591	0.90	.070															
139.5		13592	1.5	.515															
160.50		13593	1.0	.035															
162.50		13594	1.5	.135															
164.0		13595	1.5	.105															
165.5		13596	1.5	.170															
167.0		13597	1.5	.685															
168.43		13599	1.43	.275															

	Rock Description						Structure				Alteration Parameters (%)													
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
																									o.c. sharp @ 20°
169.15	SS	fg	bnd	gb		Sa	B	30	F	30	0.5		1.0			0.20							13599	0.72	Argill. Sediment (vertical cleavage oblique to bed.
170.0	SS	fg	bnd	yg	ser	Stgp	B	50	F	70	0.5		2.0			0.5							13600	0.85	Tuff - sed. QE Phyric
171.5	"	"	"	"	"	"					2.5		6.0			1.5							13601	1.5	X- fract ± enhanced QTZ (whitish) - local shear, f.g. py xtals on fract slips.
172.42	SS	fg	bnd	bg	Sil	Sa	B	50	F	40	4.5		2.0			3.5				.10			13602	0.92	Argillite QTZ: colourless grey - stve (strike + foliated - folded?) Diffuse X-cutting py-QTZ-carb. fractures, vfg aspy in glassy QTZ
173.0						QV	V	35			95.0		1.0			0.5				.10			13603	0.58	Quartz Vein! - aphanitic colourless - grey - dirty with lanceolate / skeletal ? sed (?). Diss. folded. vfg aspy - fracs
174.0	SS	fg	fold	BLK	Sil	Sa	B	40			15.0		1.0			5.0				.10			13604	1.0	Argillite
175.0	↓	↓	↓	↓	↓	↓					35.0		3.0			2.5				.10			13605	1.0	Grey - fine QV's dirtied by vfg
176.0											30.0		2.5			3.0			.10	.20			13606	1.0	aspy dusting - f.g.- m.g py
177.0											10.0		3.0			3.0							13607	1.0	Xtals in matrix + as MV
178.0											5.0		2.0			3.0							13608	1.0	bands. Matrix argill is mildly conductive
179.0	↓	↓	↓	↓	↓	↓	B	35	F		15.0		3.0			4.5				.10			13609	1.0	
179.70	SS	fg	bnd	BLK	Sil	Sa					10.0		1.5			1.5				.10			13610	.70	Py as f.g.-c.g. Xtals
179.98	SS	fg	cwn	YL	Ser	Stgp	B	35	F	25	0.5		1.0			1.5							13611	.28	Tuff - Sed - QE phyric Yell, mod. schistosed - cleavage apparent (e. cwn.)
180.5	SS	fg	cwn	BLK	sil	Sa					0.5		1.0			3.5							13612	0.52	Argillite - as above - folded with
182.0	"	"	"	"	"	"	B	60	F		20.0		2.0			3.5			.10				13613	1.5	drusiness + local quartz. Local QE
183.0	↓	↓	fold	↓	↓	↓					25.0		2.5			4.0			.10	.10		40	13614	1.0	in unit VFg diss py - local folded QV
184.0	↓	↓	fold	↓	↓	↓					5.0	1.0	3.5										13615	1.0	Late X-fract ± QTZ + carb?

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
169.15		13599	0.72	.205															
170.0		13600	0.85	.375															
171.5		13601	1.5	.035															
172.42		13602	0.92	.960												156			
173.0		13603	0.58	.205												204			
174.0		13604	1.0	.375												103			
175.0		13605	1.0	.105												253			
176.0		13606	1.0	.855												310			
177.0		13607	1.0	1.680												98			
178.0		13608	1.0	.375												79			
179.0		13609	1.0	.550												198			
179.70		13610	.70	.035												74			
179.98		13611	.28	.240												196			
180.5		13612	0.52	.070												107			
182.0		13613	1.5	.035												283			
183.0		13614	1.0	.135												247			
184.0		13615	1.0	.445															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
185.0	SS	fg	bnd	blk	sil	Sa					1.0		1.0			4.5				.10			13616	1.0	Argillite - blk
186.0	↓	↓	↓	↓	↓	↓	B	50			2.5		1.5			2.5							13617	1.0	Siliceous - v hard to scratch; vfg
187.0											15.0		2.0			2.5				.12			13618	1.0	to fg. mg. py as discem ed as blebs. Stringers of blk gray-clear QTZ with minor ankr as before. Less
187.5		vfg				QV					95					2.5				.10			13619	0.5	vvfg aspy.
188.0						QV					99		1.5			1.5							13620	0.5	→ quartz vein - glassy / diritied
188.5						QV	V	65			95					4.0							13621	0.5	with blk fractures / seits; vfg py -
189.40						QV					85		10.0			5.5			.10	.10			13622	0.90	pass vfg aspy; cloudy ankr in QTZ
190	SS	fg		blk	sil	Sa					5.0		3.0			3.5							13623	0.60	Argillite - silicified ± QV.
191.0	SS	fg	fold	"	"	Sa			F	SS	20.0					1.5							13624	1.0	o.c. 22° - slip - graphitic
191.60	SSS			blk	qv	Fault					3.0												13625	0.60	fault - graphitic rubble
192.5	SS	fg	fold	blk	sil	Sa					4.0		1.5			3.0							13626	0.9	Argillite with folded gray-clear
194.0	SS					Sa					10.0		4.0			3.0							13627	1.5	QVS; matrix v hard.
195.5	SS					Sa			F	30	4.0		1.5			2.0							13628	1.5	At 192.5', 0-5° fault marked
197.0	SS	↓	↓	↓	↓	Sa	B	40			2.0		1.0			2.5							13629	1.5	with carbonate.
198.5	SS	fg	bnd	gb	sil	Sa					2.5		2.0			1.5							13630	1.5	Argillite = not as blk - still hard
200.0					"	Sa					2.5		2.5			1.5							13631	1.5	Bmdin + folding in gray-clear QV.
201.5						"					30		1.5			1.5							13632	1.5	
202						"					15.0		1.5			2.5							13633	0.5	
202.5						"					15.0		2.0			3.5							13634	0.5	
203	↓	↓	↓	↓	↓	"	B	70			5.0		1.0			3.0		.10	.10				13635	0.5	
203.63				blk	sil	Sa					5.0		1.0			2.5			.10				13636	0.63	intrusd fract in gray-clear QTZ
204.0	SS			blk	sil	Sa	B	55			30.0		90			25.0			.10				13637	0.37	intrusd fract in QTZ
204.5						QV					90					5.0				.10			13638	0.50	QV - glassy, sphan, dirty
205.0						QV					95					3.0							13639	0.50	
205.5						QV	B	70			90					10.0							13640	0.50	sericitic bands local (?)

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
185.0		13616	1.0	.170												235			
186.0		13617	1.0	.135												172			
187.0		13619	1.0	.105												94			
187.5		13619	0.5	.240												179			
188.0		13620	0.5	.410												112			
188.5		13621	0.5	.240												132			
189.40		13622	0.90	.855															
190		13623	0.60	.205												80			
191.0		13624	1.0	.275												133			
191.60		13625	0.60	.585															
192.5		13626	0.9	.375												287			
194.0		13627	1.5	.135												294			
195.5		13628	1.5	.105												139			
197.0		13629	1.5	.070												296			
198.5		13630	1.5	.035															
200.0		13631	1.5	.035															
201.5		13632	1.5	.035															
202		13633	0.5	.105															
202.5		13634	0.5	.205															
203		13635	0.5	.440															
203.63		13636	0.63	.135												222			
204.0		13637	0.37	1.030												241			
204.5		13638	0.50	.515												236			
205.0		13639	0.50	.205												89			
205.5		13640	0.50	.515												262			

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
206.0	SS	fmg		vr	ser	4fgp			F	GS	0					2.0				.25			13641	0.5	Intermediate-felsic Tuff(?)
207.0											0.5		3.5			2.5				.10			13642	1.0	Yellow wash-str sericite, silic,
208.0											0		2.5			3.0	1.5			.10			13643	1.0	relatively hard to scratch, QE
209.0											3.0		2.5			2.5	0.5			.10			13644	1.0	phyric (0.5-5 0%) fg-mg. clots/ovoids
210.5											5.0		2.5			3.0	1.0			.45			645	1.5	"eyes", lucent dk grey in delicate
211.0											1.5					4.5				.10			646	0.5	hairline fractures. Local cumulate bands
211.5							B	40			30		3.0			.10				.10			647	0.5	of Saff Fe-Cl (1-2 cm). py aspy ±
212.0											1.0					3.0							648	0.5	carb. is ultrabas- well-altered to ?
212.5							B	25			10.0					4.0							649	0.5	aspy with carbonate ? local green
213.10			Fold		↓						35.0					1.5	0.5			0.20			13650	0.60	mica zone NB can get banded py /
213.60	↓	↓	"		ser	↓					10.0					5.0							13651	.50	aspy without QVT.
214.0					ser	QV					95					4.0							13652	.40	Quartz Vein - Sulphide Zone
215.0					↓	QV					95		4.0			0.40				.10			13653	1.0	Glassy, grey-whitish-blue, dirty
216.0					-	QV					95		2.5			2.5							13654	1.0	with inclusions (i.e. wisps/clots
217.0					-	QV					95		1.5			2.5							13655	1.0	green-yell. pencils ?) Semi-mas
216.0					ser	QV					90					4.0							13656	1.0	py stellar (f.g-c.g euhedral py
218.70					ser	QV					95		(171.5 218.70)			1.5							13657	.70	with scatt. Xtal aspy)
219.50					ser	SMS	R	15			40		26% QTZ			30				3.5			13658	.80	Aspy as vfg diss in silic tuff + mg. Xtals
220.30						SMS	B	20			20		3% py.		49.2	50				4.0			13659	.80	that is felsic-sulphide tuff?
221.0						SMS					70		(218.70-226.80			30							13660	.70	
221.5					chl	SMS	B	35			2.0		58% QTZ, 2% py			65				10.0			13661	.50	c.g. Xtals aspy in bands & mm Xtal line py
222.5						QV					85		over 9.5m			10				4.0			13662	1.0	
223.0					ser	SMS					45		OR			35				.20			13663	.50	
223.5					"	QV					85					10				.25			13664	.50	
224.20					ser	QV					85		58% QTZ 2.6% Py			15				.10			13665	.70	
225.20			Fold	tm	ser	4f	B	0			3.0		56.7m			20				4.6			13666	1.0	Tuff, vfg diss/banded py + aspy
225.68			"	"	"	"	B	22			1.5					15				2.5			13667	.48	o.c. sharp 75°
226.60						QV					95					3.5				.10			13668	0.92	
227.0						QV					95					2.5							13669	0.50	
227.50						QV					90					10							13670	0.50	
228.20					gr	QV					95					1.5							13671	.70	highly fractured - dk graph in fract near o.c. 50°
229.50	SS	fg	folded	blk	sil	Sa	B	45			2.5					3.5							13672	1.30	Argillite - siliceous
230.77	"	fg	"	"	"	"	B	65			3.0					7.0						50	13673	1.27	Folded py band ✱
231.0		fg	"		gr	FAULT					1.0												13674	.23	
232.0	"	"	Fold ✱	blk	sil	Sa					2.0												13675	1.0	Argillite - siliceous, banded, v. dark

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
206.0		13641	0.5	.585												911			
207.0		13642	1.0	.105												334			
208.0		13643	1.0	.205												320			
209.0		13644	1.0	.135												897			
210.5		13645	1.5	.445												943			
211.0		13646	0.5	.105												349			
211.5		13647	0.5	.170												78			
212.0		13648	0.5	.340															
212.5		13649	0.5	.375															
213.10		13650	0.60	.170															
213.60		13651	.50	.855															
214.0		13652	.40	2.130												148			
215.0		13653	1.0	.480															
216.0		13654	1.0	.205												330			
217.0		13655	1.0	.310												174			
218.0		13656	1.0	.720												531			
218.70		13657	.70	2.430												1320			
219.50		13658	.80	8.500												1970			
220.30		13659	.80	12.200												1680			
221.0		13660	.70	6.170												1050			
221.5		13661	.50	12.700												1990			
222.5		13662	1.0	5.550												1890			
223.0		13663	.50	4.590												2360			
223.5		13664	.50	1.750												1100			
224.20		13665	.70	1.610												1120			
225.20		13666	1.0	1.650												2210			
225.68		13667	.48	0.015												486			
2210.50		13668	.82	.855												222			
227.0		13669	.50	.135												155			
227.50		13670	.50	1.710												WSD			
228.20		13671	.70	.375												255			
229.50		13672	1.30	.205												340			
230.77		13673	1.27	.170												405			
231.0		13674	.23	0.135												609			
232.0		13675	1.0	.170												148			

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
																									4 cm wide fold closure @ 234.10
																									Non-conductive, but carbonaceous.
233.0	SS	fg	bnd	Blk	sil	Sa	B	75			2.0					1.5							13676	1.0	Argillite - vfg diss py
234.5	↓	"		"	"	Sa																	13677	1.5	
236.0	"	"	fold	"	"	Sa	B	70			2.0												13678	1.5	Local qtz "knots"
237.5				Blk	sil	"	B	50			0.5		1.5			1.5				.10			13679	1.5	Blk argillite
239.0							B	55			1.5					2.0							13680	1.5	Poss. fault @ 238.42, sm pt gouge (55°)
240.5											3.0					1.5							13681	1.5	
242.0	↓	↓	↓	↓	↓	↓					1.5					2.0							13682	1.5	Highly structured pkg - entire hole. Lineation on slip face @ 40° to horiz. grns
246.0	SS	fg	fold #1	"	"	Sa	B	65			0.5					1.5						*	13683	4.0	Local folded py bands! Geochem.
254.5	SS	fg	fold	Blk	sil	Sa	B	60			0.5		1.0			5.0						*	13684	8.5	Argillite - BLK + siliceous 6 zones of semi-massive py marked by 12-25 cm wide bands of py with colloform to wsv textures. Py included in geochem sample. Local press. shadows on py bands. Poss. fold repeated bed?? Unit also carbonaceous w/ dirty
263.12	SS	fg	fold	Blk	sil	Sa	B	20			0.2					2.0						*	13685	8.62	Argillite - banded/folded - dirty to touch @ 35°
274.5	SS	fg	fold	gb	arg	Sg					1.0					0.5						*	13686	11.38	Greywacke Grey - black with local dk argillaceous bands; scatt. c.g. py blebs Varied / bedding angle!
285.0				gb	arg	Sg					15.0		2.0			0.25							13000	0.5	Greywacke 15% grey-blue, folded qtz/ank.
EOH																									

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
233.0		13676	1.0	.070												37			
234.5		13677	1.5	.790												80			
236.0		13678	1.5	.105												37			
237.5		13679	1.5	.205												35			
239.0		13680	1.5	.070												110			
240.5		13681	1.5	0.070												110			
242.0		13682	1.5	.445												100			
246.0		13683	4.0	.070												124			
254.5		13684	8.5	.490												160			
263.12		13685	8.62	.240												329			
274.5		13686	11.38	.070												145			
275.0		13000	0.5	.205												101			

MK 92-1

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

entered July 1/92

EXPLORATION 2703

DATE: JUNE 30/92

NIK-92-1

	SAMPLE NUMBER	Au ppb	Au ppm					
1	D-13501	135						
2	02	445						
3	03	375						
4	04	995						
5	05	105						
6	06	70						
7	07	-	1.06					
8	08	205						
9	09	35						
10	10	-	8.77					
	11	-	1.17					
12	12	170						
13	13	<35						
14	14	135						
15	15	170						
16	16	105						
17	17	205						
18	18	70						
19	19	205						
20	20	70						
21	21	35						
22	22	135						
	23	170						
24	D-13524	<35						

1000 ppb = 1 ppm = 1g / 34.2859 = 102

Lab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: July 29/92

SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	As ppm			
D-13502				329.			
08				56.			
11				47.			
14				33.			
18				28.			
13525	MK92-1			25.			
13652				148.			
58				1470.			
59				1680.			
60				1050.			
61				1990.			
62				1890.			
68				222.			
13672				340.			
14215	MK92-5			173.			
D-15190	MK92-6			2810.			

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 2703

NK-92-1

DATE: JUNE 30/92

	SAMPLE NUMBER	Au ppb	Au ppm					
1	D-13525	135						
2	26	70						
3	27	<35						
4	28	<35						
5	29	<35						
6	30	<35						
7	31	<35						
8	32	<35						
9	33	<35						
10	34	<35						
11	35	70						
12	36	105						
13	37	105						
14	38	<35						
15	39	<35						
16	40	70						
17	41	135						
18	42	240						
19	43	205						
20	44	340						
21	45	340						
22	46	205						
23	47	70						
24	D-13548	<35						

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 2703

MK 92-1

DATE: JUNE 30/92

	SAMPLE NUMBER	Au ppb	Au ppm					
1	D-13549	240						
2	50	<35						
3	51	<35						
4	52	615						
5	53	685						
6	54	70						
7	55	205						
8	56	<35						
9	57	<35						
10	58	<35						
11	59	70						
12	60	170						
13	61	275						
14	62	<35						
15	63	105						
16	64	70						
17	65	105						
18	66	135						
19	67	275						
20	68	240						
21	69	-	1.03					
22	70	650						
23	71	170						
24	D-13572	-	1.54					

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 2703

NK-92-1

DATE: JUNE 30/92

	SAMPLE NUMBER	Au ppb	Au ppm					
1	D-13573	-	1.68					
2	D-13574	310						
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Lab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 2703

NK-92-1

DATE: June 30/92

	SAMPLE NUMBER	Au ppb	Ag ppm					
1	D-13575	275						
2	76	170						
3	77	135						
4	78	205						
5	79	105						
6	80	105						
7	81	135						
8	82	70						
9	83	275						
10	84	310						
11	85	135						
12	86	275						
13	87	70						
14	88	205						
15	89	<35						
16	90	<35						
17	91	70						
18	92	515						
19	93	35						
20	D-13594	135						
21								
22								
23								
24								

Lab16

Chief Chemist: _____

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5660-2703

NK-92-1

DATE: July 6/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	As ppm			
1	D-13595	.003	105					
2	96	.005	170					
3	97	.020	685					
4	98	.008	275					
5	99	.006	205					
6	13600	.011	375					
7	01	.001	35					
8	02	.028	960		156.			
9	03	.006	205		204.			
10	04	.011	375		103.			
11	05	.003	105		253.			
12	06	.025	855		310			
13	07	.049	1680	1.68	98.			
14	08	.011	375		79.			
15	09	.016	550		198.			
16	10	<.001	<35		74			
17	11	.007	240		196.			
18	12	.002	70		107.			
19	13	<.001	<35					
20	14	.004	135		283.			
21	15	.013	445		247			
22	16	.005	170		235.			
23	17	.004	135		172.			
24	D-13618	.003	105		* 94.			

Lab16 * ADDED TO REPORT

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

NK-92-1

DATE: June 6/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	As ppm			
1	D-13619	.007	240		179.			
2	20	.012	410		112.			
3	D-13621	.007	240		132.			
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Lab16

Chief Chemist: _____

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

NK-92-1

DATE: July 2/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	As ppm			
1	D-13622	.025	855					
2	23	.006	205		80.			
3	24	.008	275		133.			
4	25	.017	585					
5	26	.011	375		287.			
6	27	.004	135		294.			
7	28	.003	105		139.			
8	29	.002	70		296.			
9	30	.001	35					
10	31	.001	35					
	32	.001	35					
12	33	.003	105					
13	34	.006	205					
14	35	.007	240					
15	36	.004	135		222.			
16	37	.030	1030	1.03	241.			
17	38	.015	515		236.			
18	39	.006	205		89.			
19	40	.015	515		262.			
20	41	.017	585		911.			
21	42	.003	105		334.			
22	43	.006	205		320.			
	44	.004	135		897.			
24	D-13645	.013	445		443			

Lab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

NK-92-1

DATE: JULY 2/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	As ppm			
1	D-136 46	.003	105		349.			
2	47	.005	170		75.			
3	48	.010	340					
4	49	.011	375					
5	50	.005	170					
6	51	.025	855					
7	52	.062	2130	2.13				
8	53	.014	480					
9	54	.006	205					
10	55	.009	310					
11	56	.021	720					
12	D-136 57	.071	2430	2.43				
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

NK-92-1

DATE: July 2/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	As ppm			
1	D-136 46	.003	105		349.			
2	47	.005	170		75.			
3	48	.010	340		410.			
4	49	.011	375		439.			
5	50	.005	170		1170.			
6	51	.025	855		986.			
7	52	.062	2130	2.13				
8	53	.014	480					
9	54	.006	205					
10	55	.009	310					
11	56	.021	720					
12	D-136 57	.071	2430	2.43				
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
24								

Lab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: Aug 14/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	As ppm			
1	D-13654				330.			
2	55				174.			
3	56				531.			
4	57				1320.			
5	58				2850.			
6	13663				2360.			
7	64				1100.			
8	65				1120.			
9	66				2210.			
10	67				486.			
11	13669				155.			
12	70				1000.			
13	71				~~294.~~			
14	13673				405.			
15	74				609.			
16	75				148.			
17	76				37.			
18	77				80.			
19	78				37.			
20	79				35.			
21	80				110.			
22	81				110.			
23	82				100.			
24	D-13683				124.			

ib16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

NK-92-1

DATE: July 6/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	As ppm			
1	D-13658	.248	-	8.50				
2	59	.355	-	12.2				
3	60	.180	-	6.17				
4	61	.371	-	12.7				
5	62	.162	-	5.55				
6	63	.134	-	4.59				
7	64	.051	1750	1.75				
8	65	.047	1610	1.61				
9	66	.048	1650	1.65				
10	67	.018	615					
11	68	.025	855					
12	69	.004	135					
13	70	.050	1710	1.71				
14	71	.011	375		255.			
15	72	.006	205					
16	73	.005	170					
17	74	.004	135					
18	75	.005	170					
19	76	.002	70					
20	77	.023	790					
21	78	.003	105					
22	79	.006	205					
23	80	.002	70					
24	D-13681	.002	70					

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

NK-92-1

DATE: July 6/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	As ppm			
1	D-13682	.013	445					
2	83	.002	70					
3	84	.014	480		[redacted]			
4	85	.007	240					
5	13686	.002	70					
6	D-13000	.006	205					
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: Aug 14/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	As ppm			
	D-13684				160.			
	85				329.			
	86				145.			
	D-13687	M1492-2			3.			
0								
1								
2								
3								
4								
5								
6								
7								
8								
9								
0								
1								
2								
3								
4								

.b16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 2703

DATE: Aug 26/92

	SAMPLE NUMBER	As ppm						
1	13000	101						
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Lab16

Chief Chemist:

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
107.0		13708	6.0	.035															
108.5		13709	1.5	.035															
110.50		13710	1.5	.035															
111.50		13711	1.5	.035															
113.0		13712	1.5	.035															
114.50		13713	1.5	.105															
131.0		13714	16.5	.035															
132.5		13715	1.5	.035															
134.0		13716	1.5	.035															
135.5		13717	1.5	.035															
137.0		13718	1.5	.035															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)													
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
138.50	SS	fg	bnd	BLK	arg	Sa	B	50	F	05	1.5		0.5			.10							13719	1.5	Argillite - banded with folded grey-blue
140.0											1.0		1.0			.10							13720	1.5	QTZ veins with minor altered Ank.
141.5											1.5		1.0			.10							13721	1.5	Cleavage discernable.
143.0							B	75			1.5		0.5										13722	1.5	← X-fract (30°) with carbon + vfg py
144.5							D	60	F	30	1.5		0.5			.10							13723	1.5	· X-fract (30°) oblique to bedding (60°)
146.0							B	60	F	35	3.5												13724	1.5	
147.5							B	65	F	30	5.0		2.5			.10							13725	1.5	X-fract with carbonate / QTZ and fg py
149.0							B	70	F	20	15.0												13726	1.5	QV (5° c.a (0.60m)
150.35							B	70			15.0		2.0										13727	1.35	flat QV - parallel to joint? Ank X-fract.
152.0	SS	fg	bnd	BLK	arg	Sa	B	50	V	0	60.0		3.0										13728	1.65	QV (white) as above cuts bedding! Local breccia on vein at.
153.5	"	"	fold	"	chl	Sa	B	65			4.0		2.5			.10							13729	1.5	chl argx with folded QV
155.0	"	"	bnd	"	chl	Sx	B	55			1.5		1.0										13730	1.5	Blocky, flat joint
156.5	"	-	bnd	BLK	arg	Sx	B	60	F	15													13731	1.5	Bedding kinked / fractured. Still flat joint
157.0	"	"	"	BLK	arg	Sa	B	35			3.0					3.0							13732	1.5	3 cm wide (finely bnd?) with 5% vfg py; interval visibly *
158.0	"	"	bnd	BLK	arg	Sa	B	80			0.25					.10							13733	1.5	
159.5				Blk			B	80	F	15	2.5		1.5			.20							13734	1.5	minor flat jointing
161.0							B	65			2.5		1.0			.40							13735	1.5	
162.5				↓			B	70	F	30	3.0					.20			.10				13736	1.5	sph (red) in QV
164.0				gb	arg	Sg	B	70	F	25	10.0		2.0						.10				13737	1.5	o.c marked by flat fract + carb + chl
165.5				gb	arg	Sg	B	60	F	22	0.5					.20							13738	1.5	Greywacke - more grey silty beds.
167.0							B	45	F	10	1.5					.40							13739	1.5	
168.5							B	45			1.0					.25							13740	1.5	
170.0	↓	↓	↓	↓	↓	↓	B	50	F	20	2.5		1.5										13741	1.5	Trace sph in grey-blue QTZ Vn
171.5	SS	fg	bnd		arg	Sg	B	65	F	20	2.5		1.0			0.5			.10				13742	1.5	Greywacke with mod. argill component
173.0							B	55	F	22	4.5		1.0			0.5							13743	1.5	Cleavage.
174.5							B	60			0.2					0.6							13744	1.5	
176.0			↓				B	65	F	30	1.5					1.0							13745	1.5	folded QV
177.5			Cun				D	10	F	70	1.5					1.5							13746	1.5	
179.0							B	45			0.5					2.0							13747	1.5	
180.5							B	50	F	15	1.0					2.0							13748	1.5	X-fractures + QTZ - Py - Ank.
182.0	↓	↓	↓	↓	↓	↓	D	60			4.5		2.0			3.5							13749	1.5	py in 12 cm long glassy QV.

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
138.50		13719	1.5	.070															
140.0		13720	1.5	.070															
141.5		13721	1.5	.035															
143.0		13722	1.5	.035															
144.5		13723	1.5	.035															
146.0		13724	1.5	.035															
147.5		13725	1.5	.070															
149.0		13726	1.5	.035															
150.35		13727	1.35	.240															
152.0		13728	1.65	.035															
153.5		13729	1.5	.650															
155.0		13730	1.5	.035															
156.5		13731	1.5	.035															
157.0		13732	1.5	.035															
158.0		13734	1.5	.035															
159.5		13735	1.5	.035															
161.0		13736	1.5	.035															
162.5		13737	1.5	.035															
164.0		13738	1.5	.135															
165.5		13739	1.5	.135															
167.0		13740	1.5	.070															
168.5		13741	1.5	.240															
170.0		13742	1.5	.070															
171.5		13743	1.5	.035															
173.0		13744	1.5	.275															
174.5		13745	1.5	.035															
176.0		13746	1.5	.035															
177.5		13747	1.5	.070															
179.0		13748	1.5	.035															
180.5		13749	1.5	.035															
182.0		13750	1.5	.035															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] — Page 5 of 5

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
183.5	SS	fg	bnd	gb	arg	Sa	B	60			2.0		10			0.5							13750	1.5	Greywacke, cont's QV's folded/knotted
185.0	SS						B	60	F	30	4.5		1.0			0.5							14001	1.5	Py in matrix and QV
186.6	↓	↓	fold	↓	↓	↓	B	70	F	40	0.5		0.5			0.10							14002	1.5	
188.0	↓	↓	↓	↓	↓	↓	B	65			0.5		0.5			0.5							14003	1.5	
189.5	SS	fg	bnd	bg	arg	Sa	B	60	F	20	0.5		0.2			0.5							14004	1.5	Argillite - Predominantly with minor Sulfide component.
191.0	"	"	fold	"	"	"	B	70	F	20	0.5			Sulf		0.45							14005	1.5	Boudinage QV
192.5	"	"	"	"	"	"	B	55	F	30	2.5		1.5			3.5				-30			14006	1.5	At 191.18, 1-2 cm wide concentrated f.g. py (cut by cleavage/fault) in sediment. At 191.74, 2-3 mm wide band with needles (f.g.) of cpy? Appears to be in silic. - with band, parallel to bedding.
194.0	"	fg	cun	"	arg	Sa	B	70	F	0	0.5		0.5			0.30							14007	1.5	??
195.5	"	"	"	"	"	Sa	B	80	F	35	2.0		1.5			1.5		.10					14008	1.5	wkly boudinaged blue-grey QV
197.0						"	B	65	F	15	0.5												14009	1.5	
198.5	"	"	fold			"	B	60			2.0		1.5			0.4			.10				14010	1.5	py in matrix and QV's
200.0	"	"	"	"	"	Sa	B	62	F	08	3.0		2.0			0.20							14011	1.5	Grey-blue QV's folded!
Eom																									

ASSOCIATION OF CANADA — P. R. GOULD — GEOLOGIST — FELLOW

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
183.5		13750	1.5	.035															
185.0		14001	1.5	.035															
186.5		14002	1.5	.035															
188.0		14003	1.5	.035															
189.5		14004	1.5	.035															
191.0		14005	1.5	.035															
192.5		14006	1.5	.035															
194.0		14007	1.5	.035															
195.5		14008	1.5	.035															
197.0		14009	1.5	.035															
198.5		14010	1.5	.035															
200.0		14011	1.5	.035															

ROYAL OAK ANALYTICAL LABORATORY

NK 92-2

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

NK-92-2

DATE: July 6/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-13687	.007	240					
2	88	.011	375					
3	89	.001	35					
4	90	.001	35					
5	91	.002	70					
6	92	.009	310					
7	93	.005	170					
8	94	.006	205					
9	95	.052	1780	1.78				
10	96	.001	35					
11	97	.014	480					
12	98	<.001	<35					
13	99	.002	70					
14	13700	<.001	<35					
15	01	.001	35					
16	02	.006	205					
17	03	.008	275					
18	04	.002	70					
19	05	.001	35					
20	06	<.001	<35					
21	07	<.001	<35					
22	08	<.001	<35					
23	09	<.001	<35					
24	D-13710	<.001	<35					

Lab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

NK-92-2

DATE: July 6/9

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-13711	<.001	<35					
2	D-13712	<.001	<35					
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Lab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: July 6/92

NK-92-2

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-13713	.003	105					
2	14	<.001	<35					
3	15	<.001	<35					
4	16	<.001	<35					
5	17	<.001	<35					
6	18	<.001	<35					
7	19	.002	70					
8	20	.002	70					
9	21	.001	35					
10	22	.001	35					
11	23	<.001	<35					
12	24	<.001	<35					
13	25	.002	70					
14	26	<.001	<35					
15	27	.007	240					
16	28	<.001	<35					
17	29	.019	650					
18	30	<.001	<35					
19	31	<.001	<35					
20	32	<.001	<35					
21	33	<.001	<35					
22	34	<.001	<35					
23	35	<.001	<35					
24	D-13736	<.001	<35					

Lab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

NK-92-2

DATE: July 6/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-13737	<.001	<35					
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
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22								
23								
24								

Lab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: July 6/92

NK-92-2

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-13738	.004	135					
2	39	.004	135					
3	40	.002	70					
4	41	.007	240					
5	42	.002	70					
6	43	.001	35					
7	44	.008	275					
8	45	<.001	<35					
9	46	<.001	<35					
10	47	.002	70					
11	48	<.001	<35					
12	49	<.001	<35					
13	13750	<.001	<35					
14	14001	<.001	<35					
15	02	<.001	<35					
16	03	<.001	<35					
17	04	<.001	<35					
18	05	<.001	<35					
19	06	.001	35					
20	07	.001	35					
21	08	.001	35					
22	09	.004	135					
23	10	<.001	<35					
24	D-14011	.002	70					

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

MK92-1

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: Aug 14/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	As ppm			
1	D-13684	MK92-1			160.			
2	85				329.			
3	86				145.			
4	MK92-2 D-13687				3.			
5								
6								
7								
8								
9								
10								
11								
12								
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14								
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Lab16

Chief Chemist:

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — Project No: 2703 — Category: AB — Page 1 of 9

HOLE #: MK92-3 — NORTHING: 4480853 (Surveyed) — EASTING: 3800 — ELVN: 4000 (GPS) — LENGTH: 280.5m

TWP: Nosewortny — Drilled by: Bradley Bros LH. (Noranda) — Logged by: P.Coats — Start: June 21, 1992

Claim: 633931, 633430 — Core Stored: Timmins — Casing/Size: 60(BW), 60 (NW) 10m — Finish: June 23, 1992

NTS: L-633431 L-3800E N; MK92-3 -60°, Az 180° (4480S, 3800E); 2000S; L-633430; 2200S; 262-86-8

Dist	Azim	Dip	Dist	Azim	Dip	Dist	Azim	Dip	Dist	Azim	Dip
0	180	-60									
61	—	-56°									
180	—	-51°									
280	—	-51									

Purpose/Results: To undercut 100m the mineralization intersected in DDH 262-86-8. Hole climbed 4° in OVB and undercut projected mineral. in 86-8 at 60m, rather than 100m as planned. Best: 20% QTZ + 1.5% cpy @ 217.49-218.85 (1.36m) however bedding @ 0° to CA (8) Intersected 2.04 g/t (2.4m @ 203.1 - 206.0) and 2.81 g/t (2.17m @ 218.83 - 221) Flat core angles @ 200 - 280.0m

	Rock Description						Structure				Alteration Parameters														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
61.0						CASING																		61.0	Left in hole - casing CAPPED
61.26					gr	Fault			F	45														0.26	Fault - Graphitic Argillite
62.58	SS	fg	bnd	bg	gr	Sa	B	25	F	05	0.20					1.5								1.32	Argillite - Graphitic
62.67				blk	gr	Fault																		0.09	
63.50	SS	fg	cwn	bg	gr	Sa	B	40	F	0						0.5								0.83	
65.00	"	"	"	"	"	Sa	B	42			0.30													1.5	Blocky - flat joint/slip @ 64.50
66.50	"	"	"	"	"	"	B	50	F	22	0.2		1.5			2.0							14012	1.5	Py as ragged blebs and bands; local folding in qtz/ch vns.
66.66	SSS					Fault			F	40														0.16	Rubble/gouge
68.00	SS	fg		bg	gr	Sa	B	60	F	45	15		0.5			2.5							14013	1.34	QTZ-vein folded
69.50	SSS		cwn	bg	"	"	B	60	F	40	5		0.5			3.0							14014	1.5	V thin QTZ veinlets; blocky ground
71.0	SSS		cwn	"	gr	"	B	60	F	30	0.5		2.0			2.5							14015	1.5	
71.93	"		bld	"	"	"	B	40			3.5		1.0			2.5							14016	.93	Light green mineral with qtz (lox.) epid?
72.18	SSS					Fault																	14017	.25	Fault - Rubble/gouge
74.20	SS		cwn	gb	gr	Sa	B	30	F	25	4.0		1.5			10			10				14018	2.02	blocky due to flat jointing (20°)
																									0.5m lost core/grind over this interval
83.00	SS	fg	cwn	bg	avg	Sgr	B	30			0.5		0.5			6.30							14019x	8.8	GRAPHITIC-ARGILLITE-FAULT
																									Bedding @ 10-30°, rubble, flat blocky slabs, gouge/graph on slips - wkly conductive QTZ fragments in graph @ 79.53 - 80.33
84.50	SS	fg	cwn	blk	avg	Sgr	B	50	F	40	0.10					0.2							14020	1.5	Frequent, 1cm gouge slips
86.0	"	"	"	bg	avg	Sgr	B	52	F	40			0.40			0.5							14021	1.5	AT 86.48, 4 cm gouge @ 80°; also
87.5	"	"	"	"	"	"	B	60	F	30													14022	1.5	pass. Fault @ 187.31
89.0		"	cwn		avg	Sgr	B	30			3.5											40	14023	1.5	Fault @ 88.50 - 88.90 (40) rubble - minor gouge
90.50	"	"	cwn	bg		Sgr	B	40	F	10	0.5					0.35						0	14024	1.5	Fault gouge @ 90.20 - 90.30 (40°)

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
61.0																			
61.26																			
62.58																			
62.67																			
63.50																			
65.00																			
66.50		14012	1.5	.205															
66.66																			
68.00		14013	1.34	.035															
69.50		14014	1.5	.035															
71.0		14015	1.5	.035															
76.93		14016	.93	.035															
72.18		14017	.25	.340															
74.20		14019	2.02	.170															
83.00		14029	8.8	.240															
84.50		14020	1.5	<.035															
86.0		14021	1.5	.135															
87.5		14022	1.5	.275															
89.0		14023	1.5	.070															
90.50		14024	1.5	.035															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] — Page 2 of 9

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
92.0	SSS	fg	cam	bg	gr	Sa	B	25	F	50	25		0.5			0.20							14025	1.5	Argillite Minor graphite and weak quartz component. QV ± green sericite or talc? @ 91.0–91.46 (25°). Unit blocky
94.0	SS	fg		blk	gr	Sa	B	35	F	10		0.5				0.5						10	14026	2.0	Argillite Graphitic, blocky and rubbly – 0.5 m of gouge zone
94.60						Fault						0.25											14027	0.60	Fault – in-ct. Gouge @ 55°– rest of unit rubbly, 2–3.5 cm "checkers"
96.50	SS	fg		gy	arg	Sg	B	55	F	10	2.5	0.5				0.2							14028	1.9	Greywacke – minor argill. compon.
98.0	SS	fg	bnd	"	"	"	B	40				0.5											14029	1.5	
99.5	↓	↓	↓	gy	arg	Sg	B	50			3.5		1.0			.10							14030	1.5	Greywacke
101.0				↓	↓	↓	B	40			0.5	0.5				0.60							14031	1.5	Grey-black due to mod. argill. comp.
102.5							B	30			0.45		2.5			-							14032	1.5	
104.0							B	20	F	65	1.0		0.5										14033	1.5	
105.5							B	25	F	20	1.5					0.40		.10					14034	1.5	chl or epid(?) in QTZ; chert at @ 104.5 ± cp.
107.0							B	40	F	55			1.5			0.5							14035	1.5	
108.5							B	50	F	15		1.0				0.4							14036	1.5	
110.0							B	30	F	55		2.5	1.0			0.5							14037	1.5	
111.5							B	45			0.5	2.0	0.5			0.5							14038	1.5	Rubble/core discing @ 110.18–110.5
113.0							B	45	F	70		0.5											14039	1.5	fine crenul.
114.12						↓	B	45	F	60		2.0				1.0							14040	1.12	V. thin carb. lamellae parallel bedding
114.90						Fault	F	35°				2.0				0.5							14041	1.28	Fault – in-ct (gouge + carb/py vein) Base rubble
116.00	SS	fg	bnd	gy	ser	Sg	B	40	F	40	0.2	0.5				0.2							14042	1.60	Greywacke Wkly sericitic, grayish-wht with bndng of silty and darker argill beds. Com. fine crenul to open
117.60	"	"	bnd	gy	ser	Sg	B	40	F	40	1.5		1.0			0.5				.10			14043	1.5	Pcs v/fg aspy?
119.00	SSS	"	"	"	"	Sg	B	45	F	40													14044	1.5	Wkly sericitic
119.20						Fault																	14045	0.20	Fault – blky with 3 cm of gouge
120.66	SS	fg	bnd	gy	ser	Sg	B	45			0.5					0.40						20	14046	1.46	Grading – tops down hole to South; wk ser.

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Namel	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
92.0		14025	1.5	.035															
94.0		14026	2.0	.035															
94.60		14027	0.60	.035															
96.50		14028	1.9	.035															
98.0		14029	1.5	.070															
99.5		14030	1.5	.035															
101.0		14031	1.5	.035															
102.5		14032	1.5	.035															
104.0		14033	1.5	.035															
105.5		14034	1.5	.035															
107.0		14035	1.5	.035															
108.5		14036	1.5	.035															
110.0		14037	1.5	.035															
111.5		14038	1.5	.035															
113.0		14039	1.5	.340															
114.12		14040	1.12	.295															
114.40		14041	.28	.070															
116.00		14042	1.60	.035															
117.50		14043	1.5	.035															
119.00		14044	1.5	.035															
119.20		14045	0.20	.035															
120.66		14046	1.46	.035															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [illegible] — Page 3 of 9

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
																									o.c. sharp 50°, notr - f.g. GE in coarse part of matrix to unit
																									Photo taken barges 8-12 to illust nature of alt'n etc.
122.00	SS	fg	Lmd	Gb		Sa	B	50	F	40	1.5	0.5	1.0			0.5							14047	1.34	Argillite with clastic component
123.5	SS	fg	Fold	Yk	gry	"	B	55			1.5	1.0				2.0							14048	1.5	Blocky & local graphite/mud on slips - folded
125.0	SS	fg	fold	gb	gry	Sa	B	60	F	50	2.0		1.0			3.5							14049	1.5	Greywacke - fold "bulls-eye"; fg py bands
126.5	SS	fg	"	gb	gry	Sa	B	30			5.0		1.0			2.5							14050	1.5	folded/crenulated
128.0	SS	fg	Lmd	gb	gry	Sa	B	60	F	65	0.5		1.5			0.5							14051	1.5	
129.5	SS	fg	"	gy	gry	Sg	B	50	F	70	0.2		1.5			1.0							14052	1.5	Greywacke - v. wkly sericitic
131.0	SS	fg	Lmd	gy	ser	Sg	B	45	F	55	0.5					0.10							14053	1.5	Greywacke - wkly sericitic, grey-weath
132.5	"	"	ser	gy	"	"	B	55	F	60	0.2		3.5			0.10							14054	1.5	
134.0	SS	fg	ser	"	"	"	B	50	F	65	2.0		1.5			0.10							14055	1.5	wkly sericitic with minor argill comp
135.5					"	Sg	B	45	F	55	0.5		2.5			0.10							14056	1.5	local green chl with QV's
137.0					"	Sg	B	40	F	65	2.0		1.0			0.10							14057	1.5	wkly sericitic
137.42	SS	fg	ser	yg	ser	Sg	B	45	F	35	2.5												14058	.42	mod. sericitic; stretched grey-blue QV parallel fold.
137.60					Sa	Fault	F	25															14059	.18	Fault - brittle with 0.5-1.0 cm gouge + Hy
138.5	SSS	fg	Fold	gy	Sa	Sg	B	45	F	55	2.5											25	14060	0.90	wk-mod. ser. stretched blue-grey QV or silic bands parallel to bedding (F), still X-cleavage fol"
140.0	"	"	"	"	"	"	B	50	F	70	2.0												14061	1.5	wk-mod. ser. local chl in assoc CQV
141.5	"	"	"	gy	ser	Sg	B	0			1.5		2.0			0.5							14062	1.5	wk ser. variable bedd/fol attitudes
143.0	"	fg	"	gy	cay	Sg	B	0	F	75	2.5					0.10							14063	1.5	wk-mod argill/chl; local chl & QV
																									Bedding abruptly changes 0-75° (ie. fold)
144.5	SS	fg	Fold	bg	gr	Sa	B	60	F	40	3.0		0.5			1.0	.10						14064	1.5	Argillite
146.0			clast								2.0		1.0			2.5							14065	1.5	Blackish-grey, wkly graphitic with
147.5							B	55			2.5	1.0	1.0			1.0							14066	1.5	yell-green sericite/chl alt'n locally on
149.0							B	60			4.0		1.5			1.5							14067	1.5	QTZ veins. frequent fold "bulls eyes"
150.5							B	15	F	50	5.0		1.5			0.5							14068	1.5	Fault zone @ 149.70
152.0							B	60			1.5						.10	.10		.10			14069	1.5	"Bulls-eyes" 4-5 cm across
153.5	↓	↓	↓	↓	↓	↓	B	60			1.5		1.0			2.0							14070	1.5	
155.0	SS	fg	Fold	bg	gr	Sa	B	65	F	50	3.0		1.5			2.5							14071	1.5	Fault zone @ 154.90 (45°)
156.5	SS	fg	fold	bg	gr	Sa	B	50	F	55	2.5		1.5			2.5							14072	1.5	folded QV

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
122.00		14047	1.34	.035															
123.5		14048	1.5	.035															
125.0		14049	1.5	.035															
126.5		14050	1.5	.035															
128.0		14051	1.5	.035															
129.5		14052	1.5																
131.0		14053	1.5	.035															
132.5		14054	1.5	.035															
134.0		14055	1.5	.035															
135.5		14056	1.5	.035															
137.0		14057	1.5	.035															
137.42		14058	.42	.035															
137.60		14059	.18	.925															
138.5		14060	0.90	.035															
140.0		14061	1.5	.035															
141.5		14062	1.5	.035															
143.0		14063	1.5	.035															
144.5		14064	1.5	.035															
146.0		14065	1.5	.035															
147.5		14066	1.5	.035															
149.0		14067	1.5	.035															
150.5		14068	1.5	.035															
152.0		14069	1.5	.035															
153.5		14070	1.5	.035															
155.0		14071	1.5	.035															
156.5		14072	1.5	.035															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: —

	Rock Description						Structure				Alteration Parameters (%)															
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
157.85	SS	fg	CTORT	Bg	gr	Sa	B	20	F	75	1.5	)	1.5			0.5							14073	1.85	Argillite
158.00					gr	Fault					15.0		1.5			.10			.10				14074	.15	Fault rubble / slips @ 50°
159.50	SS	fg	cren	gy	sh	Sa	B	52	F	60	0.5		1.5			0.5							14075	1.5	Argillite, screens of wk ser alt'n
160.79	SS	fg	cren	gy	gr	Sa	B	50	F	70	2.0		1.5			0.5							14076	1.29	
161.34						Fault					0.2	2.5											14077	.59	Fault / BRECCIA / BLOCKY GROUND Carbon on 40° slip
162.5	SS	fg	cren	gy	gr	Sa	B	45			0.5		0.5			0.10							14078	1.16	Argillite ± minor red hem on QV
163.35			cren	gy	gr	Sa	B	45			0.5		1.5			0.10							14079	.85	Argillite - minor chlor'n alter Neah o.c. - white calcite speckling (1-2%) o.c. sharp 30°
164.0	SS	fg	fold	gr	chl	IFchl	B	50			1.5					4.0					0.5		14080	.65	Iron Fm - chloritic with 10% chert bands
165.5	SS	fg	↓	↓	↓	↓					0.5					5.0					5.0		14081	1.5	local 0.5-1.0 cm bands of py assoc ±
166.55	SS	fg	↓	↓	↓	↓	B	55			2.0		1.0			2.5							14082	1.5	chert bands. Fold bulls-eye @ 165.5 defines rotational shallow plunge. o.c. gradational.
174.66	SS	fmg		gr	chl	Stgpp	B	45	F	60	0.3					0.10							14083 K	8.11	Tuffaceous-sediment - QFP PIMRIC with 1 0.5% whitish plagio Xtals, 1-30% calcmass f.g.-m.g. QFP, limit speckled by calcite, picks up mean o.c. At 173.96-174.04 and 174.42-174.48 thin screens of Sg (fg-sphen + cumulated)
176.0	SS	fg		gr	chl	IFchl					1.0					3.5							14084	1.34	IF. Chloritic with up to 20%
177.5	↓	↓		↓	↓	↓					0.5					1.0							14085	1.5	cherty gmy-buff bands. f.g-c.g
179.0											2.5		2.0			2.0							14086	1.5	pulled py, in bands, with cherty
180.5			fold				B	55			0					3.0							14087	1.5	bands
181.29	V	↓	CTORT	↓	↓	↓	B	50			2.5					3.0							14088	0.79	Contorted cherty bands or QTZC o.c. areas which is marked by 45° gouge slip coated with py
181.80	SSS	fmg	cren	gg	chl	Stgp	B	45			1.0		0.5			.10							14089	0.51	Tuff-Sed. QFP phyric
182.63	SS	fg	fold	gr	chl	IFchl	B	40			1.0					1.0							14090	0.83	Iron Fm - chl. - local QTZ (blue) knots Gouge slip @ 182.06 (35°), o.c. - gouge.

CRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Namel	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
157.95		14073	1.85	.035															
159.00		14074	.15	.035															
159.50		14075	1.5	.035															
160.75		14076	1.25	.035															
161.34		14077	.59	.035															
162.5		14078	1.16	.035															
163.35		14079	.85	.035															
164.0		14080	.65	.070															
165.5		14081	1.5	.035															
166.55		14082	1.5	.035															
174.66		14083	8.11	0.70															
176.0		14084	1.34	.035															
177.5		14085	1.5	.035															
179.0		14086	1.5	.035															
180.5		14087	1.5	.035															
181.29		14088	0.79	.035															
181.80		14089	0.51	.035															
182.63		14090	0.53	.035															

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: — Page 5 of 9

	Rock Description						Structure				Alteration Parameters (%)														
ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
89.50	SSS	fmg	porph	yG	ser	Sc	B	55			1.5					1.5							14091	.87	Conglomerate
85.00	↓	↓	↓	↓	↓	↓					2.0					3.5	vfg						14092	1.5	Approx. 1-25% stretched
186.50							B	35			3.0					3.5							14093	1.5	clasts in QE porphy. tuff matrix
188.00							B	30			1.5					1.0							14094	1.5	Mod.-Str sericitic and relatively
189.50					↓		B	47	F	72	1.0					2.0							14095	1.5	hard to scratch. Stretching ratio
191.0	↓	↓	↓	↓	ser	↓	B	20			0					1.0	0.5						14096	1.5	approx 20:1; QE's are colourless to
192.5	SSS		fold			Sc	B				3.5					2.0			.10				14097	1.5	(cissilly 4 vue Crave) and f.g.
																									Sulc. QTZ clasts(?) and rhyolite, buff
																									mafic (excl green mica clasts.
																									Shell specks is QE in thy clast (191.20)
194.0	SS	fmg	fold	yG	ser	Sc	B	10			1.5					1.5							14098	1.5	Unit is darker green (chl) and calcite
																									speckled from 192.5-193.5; poss
																									represents IF chl. off hole?
196.70	SS	fg	Cun	yG	ser	St	B	30			1.0					2.5	vfg						14099	2.7	Tuff - sediment QE phyric
																									Unit grad from ccl unit and fines
																									down hole - pass tops to south. o.c.
																									sharp 20
197.0	SS	fg	bnd	yL	ser	Skgp	B	22	F	55		0.5				.10	.10					90	14100	.30	Tuff - Sediment QE PHYRIC
198.5	SSS	fg	bnd	yL	ser	Skgp	B	25			0.25					.10							14101	1.5	Mod-Str sericitized, with 1.0% QE
																									Pink Carb on 20° joint planes
																									← Pass stretched clasts (0.25 mm wide)
199.5	SS	fmg	bnd	yL	ser	Skgp	B	40								0.20							14102	1.5	Approx 0.5-1.5% QE, Str. ser.
																									Delicate cmnd. o.c. Curved-folded
200.05	SS	fg	bnd	gb	ser	QV	B	16			95.0					0.5							14103	0.55	Quartz Vein - blue grey with
																									streaks/lamellae of sericite
201.10	SS	fg	bnd	gY	arg	Sg	B	30			0.5		0.5			4.5			.15				14104	1.02	Greywacke - moderately argill.
																									Py bands parallel bedding
202.07	SSS	fg	bnd	yL	ser	Sc	B	40								2.0							14105	0.97	Conglomerate - Str. schist (20:1). mod-str Sericitic buff mafic & well clasts

Bedding - actually F1 (?) ie stretching direction on QE pheno

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
183.50		14091	.87	.035															
185.00		14092	1.5	.070															
186.50		14093	1.5	.035															
188.00		14094	1.5	.035															
189.50		14095	1.5	.035															
191.0		14096	1.5	.035															
192.5		14097	1.5	.035															
194.0		14098	1.5	.035															
196.70		14099	2.7	.035															
197.0		14100	.30	.035															
198.5		14101	1.5	.035															
199.5		14102	1.5	.035															
200.08		14103	5.8	.275															
201.10		14104	1.02	.070															
202.07		14105	0.97	.035															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] — Page 6 of 9

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
																									o.c. @ 35°
202.60	SSS	fg	bnd	yk	ser	Stgp	B	30															14106	.53	Tuff-Sediment OR physic Mod-str sericitic
203.10	SS	fmg	bnd	gy	arg	Stgp	B	30															14107	0.50	Tuff-Sediment OR physic Grey-yel due to mod ancill comp, v/dy sericitic; v/dy contacted
205.06	SS	v/fg	fold	gy	ser	St	B	20			1.5		2.5			.10							14108	1.96	Intermed.- Felsic Tuff or Tuff-Sed V fg waxy brown-green - similar colouration/bnd (?) seen in "zone" in MK92-1; wavy banding @ 0-40°. 2 "fold" bullseyes @ 204.2 - 204.40 Suggest flat plunge - local green mica in fds
206.0	SSS	v/fg	fold	gy	ser	St	B	15			0.40												14109	0.94	Tuff-Sediment?
206.42	"	"	"	gy	ser	St	B	25															14110	0.92	Greyish waxy tuff or sediment? - possibly more structured phase of above unit, but more whitish muscovite and argillic. fault gouge @ 35° @ 205.87 (1.5cm c breccia fragments). Banding @ 0-30
206.40	SSS	fg	fold	gy	arg	Stgp	B	10	F	85	1.5		2.0			3.0				.25			14111	1.48	Tuff-Sediment OR PHYSIC Grey-yel-black due to wk fol + mod arg. compon. in-ct marked by graphitic slip 30°; fg. aspy in matrix (one area)
209.0	SS	fg	bnd	yg	ser	Sc	B	15	F	80	1.0		2.0			2.5	.10						14112	0.60	Conglomerate Moderately sericitized with 20:1 stretching, stretched buff mafic + fsm mica clasts
210.34	SSS	fg	bnd	yg	ser	Sc	B	45			1.0					.10							14113	1.34	o.c. marked by gouge/fault @ 70°
211.93	"	"	"	"	"	Sc	B	40			0.2					.25							14114	1.95	Local fold "bullseyes" - partial oblique sections

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
202.60		14106	.53	.035															
203.10		14107	0.50	.070															
205.06		14108	1.96	1.060															
206.0		14109	0.92	4.080															
206.92		14110	0.82	.035															
208.40		14111	1.48	.310															
209.0		14112	0.60	.240															
210.34		14113	1.34	.135															
211.93		14114	1.59	.035															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] — Page 7 of 9

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
212.20	SS	fg	bnd	gr	chl	Sc			F	40	15.0					7.0							14115	0.27	Conglomerate (?)
213.5	SSS	fg	bnd	yg	ser	Sc	B	6	F	80	1.5		2.0			1.0							14116	1.3	Conglomerate Mod sericitic and QE porphy. (±0.5%), banding/fol. @ 0-40° fol clean @ 80°
214.58	SS	fg	fold	yg	ser	Stgp	B	10															14117	1.08	→ Tuff-sediment; QE porphy (0.5%) Represents fine grained hp of Sc o.c. rolling @ 58°
215.28		fg		yg	ser	4t	B	30	F	50													14118	0.70	Tuff-Sediment? Waxy yell-green, vfg tuff(?) ppx correlatable with 4t unit above?
216.00	SSS	fg		yg	ser	Sc	B	20			0.5					1.0							14119	.72	Conglomerate Approx 2% stretched (20:1) clasts in QE porphy matrix
217.47	SSS	fg	bnd	gy	ser	Sg	B	25								1.0							14120	1.47	Greywacke Fine grained and wkly sericitized Thin, dkgy argill Ledl(?); vfg QE in matrix (<0.5%); laminae ½ cm @ 0° to c.a.
218.83	SSS	fg	bnd	yl	ser	Sc	B	0			20.0		2.5			1.5				1.5			14121	1.36	Conglomerate? Stretched, str sericitized matrix <2% stretched 20:1 clasts (?) o.c. marked by fault @ 70°
220	SS	fg		yl	ser	Sc	B	14	F	80	0.5					0.30							14122	2.17	Conglomerate → Tuff Moderately-str sericitic matrix <2% stretched (20:1) clasts (alt. mafic), matrix is QE porph. (0.5%)

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
212.20		14115	0.27	.960															
213.5		14116	1.3	.070															
214.58		14117	1.08	.135															
215.28		14118	0.70	.035															
216.00		14119	.72	<.035															
217.47		14120	1.47	.070															
218.83		14121	1.36	.205															
221.0		14122	2.17	2.810															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE HOLE #: [redacted]

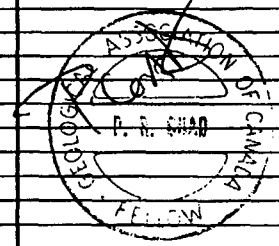
	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
222.60	SSS	fmg	bnd	gy	chl	Stqp	B	5								.10							14123	1.6	Tuff-Sediment QE Porphyritic 0.5-10.0% vfg-m.g. QE
224.0	SSS	vfg	bnd	yg	ser	St	B	0	F	75	0.5		0.5			.10							14124	1.4	Tuff-Sediment (?) or qt? Med. yel-green, mod-str sericite, v fg., bedding @ 0-30°
225.5	SSS	fg	bnd	yl	ser	Sc																	14125	1.5	Conglomerate or Tuff-sed.?
227.0	↓	↓	↓	↓	↓	↓																	14126	1.5	Strongly schist, yellow-green, mod-str sericitized with extreme
228.5																							14127	1.5	stretching of (20:1) < 2% clasts.
230.0																							14128	1.5	Banding @ 0-30°, with cleavage @ 70-90° J, crenul. & "bulls-eyes"
231.5	SSS	fg	bnd	yg	ser	Sg	B	30	F	50	0.30					.10							14129	1.5	Greywacke / Tuff-sed (?)
233.0	"	"	"	"	"	"	B	20	F							.10							14130	1.5	f.g. and wk-mod sericite Poss. fault 230.65 - dissing/slips (30°)
234.5	SSS	fmg	bnd	yl	ser	Stqp	B	20															14131	1.5	Tuff-Sediment - QE porphyritic
236.0							B	0	F	60													14132	1.5	Yellow, mod-str sericitized with
235.5							B	5			0.25					.10							14133	1.5	0.5-5% QE (colourless). poss.
236.0							B	5															14134	1.5	unit is extremely stretched congl? (QE < 3% clasts): do see local thin tuff streaks with delicate lam? Bedding (± 5°) F, @ 50. Unit grading suggests pxc facing up hole to south. (ie. 233-233.95) At 236.45, 236.90, carbonate/py slips @ 15°
256.52	SSS	fmg	bnd	yl	sil	Stqp	B	0			0.40		0.25			0.25							14135	x13.62	Tuffaceous - Sediment QE Porphyritic
257.90	SSS	fg	bnd	yl	ser	"	B	10			0.25												14136	1.08	Yellow, mod-str sericitized and relatively hard to scratch, 0.5-10% QE

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
222.60		14123	1.6	.105															
224.0		14124	1.4	.480															
225.5		14125	1.5	.135															
227.0		14126	1.5	.105															
228.5		14127	1.5	.070															
230.0		14128	1.5	.035															
231.5		14129	1.5	.070															
233.0		14130	1.5	.105															
234.5		14131	1.5	.070															
236.0		14132	1.5	.035															
251.5		14133	1.5	.035															
239.0		14134	1.5	.035															
256.82		14135	17.82	.035															
257.90		14136	1.08	.170															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE HOLE #: [redacted] Page 9 of 9

	Rock Description						Structure				Alteration Parameters (%)															
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
278.0	SS	fg	bnd	GR	chl	IFchl	B	S	F	BS						0.50	0.10				0.5		14137 *	20.1	Iron Formation - chlorite Approx. 5% buff/white cherty bands with local minor alt associated, wavy bedding @ 0-25°; local "bulls-eyes" thickenings
280.0	SS	fg	bnd	GR	chl	IFchl	B	S	F	BS		1.0				2.5					5.0		14138	2.0	Carbonate beds relatively abund. and percent py picks up with cherty bands - also more mt.
280.0						East																			



TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Namel	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
278.0		14137	20.1	.205															
280.0		138	2.0	.375															
290.0																			

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

NK-92-3

DATE: July 6/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14012	.006	205					
2	13	<.001	<35					
3	14	<.001	<35					
4	15	<.001	<35					
5	16	<.001	<35					
6	17	.010	340					
7	18	.005	170					
8	19	.007	240					
9	20	<.001	<35					
10	21	.004	135					
1	22	.008	275					
12	23	.002	70					
13	24	.001	35					
14	25	.001	35					
15	26	<.001	<35					
16	27	<.001	<35					
.7	28	<.001	<35					
.8	29	.002	70					
.9	30	<.001	<35					
:0	31	<.001	<35					
:1	32	<.001	<35					
:2	33	<.001	<35					
3	34	<.001	<35					
4	D-14035	<.001	<35					

ab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

NK-92-3

DATE: July 6/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14036	<.001	<35					
2	37	<.001	<35					
3	38	<.001	<35					
4	39	.010	340					
5	40	.008	275					
6	41	.002	70					
7	42	<.001	<35					
8	43	<.001	<35					
9	44	<.001	<35					
10	45	<.001	<35					
11	46	<.001	<35					
12	47	<.001	<35					
13	48	<.001	<35					
14	49	<.001	<35					
15	50	<.001	<35					
16	51	<.001	<35					
17	52	<.001	<35					
18	53	<.001	<35					
19	54	<.001	<35					
20	55	<.001	<35					
21	56	<.001	<35					
22	57	<.001	<35					
23	58	<.001	<35					
24	D-14059	.027	925					

ab16

Chief Chemist: _____

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

NK-92-3

DATE: July 6/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14060	<.001	<35					
2	61	<.001	<35					
3	62	<.001	<35					
4	63	<.001	<35					
5	64	<.001	<35					
6	65	<.001	<35					
7	66	<.001	<35					
8	67	<.001	<35					
9	68	<.001	<35					
10	69	<.001	<35					
11	70	<.001	<35					
12	71	<.001	<35					
13	72	<.001	<35					
14	73	<.001	<35					
15	74	<.001	<35					
16	75	<.001	<35					
17	76	<.001	<35					
18	77	<.001	<35					
19	78	<.001	<35					
20	79	<.001	<35					
21	80	.002	70					
22	81	<.001	<35					
23	14082	<.001	<35					
24								

ab16

Chief Chemist: _____

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

NK-92-3

DATE: July 10/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14083	.002	70					
2	84	<.001	<35					
3	85	<.001	<35					
4	86	<.001	<35					
5	87	<.001	<35					
6	88	<.001	<35					
7	89	<.001	<35					
8	90	<.001	<35					
9	91	<.001	<35					
10	92	.002	70					
11	93	.001	35					
12	94	<.001	<35					
13	95	<.001	<35					
14	96	<.001	<35					
15	97	<.001	<35					
16	98	<.001	<35					
17	99	<.001	<35					
18	14100	<.001	<35					
19	01	<.001	<35					
20	02	<.001	<35					
21	03	.008	275					
22	04	.002	70					
23	05	.001	35					
24	D-14106	<.001	<35					

lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

NK-92-3

DATE: July 10/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14107	.005	170					
2	08	.031	1060	1.06				
3	09	.119	-	4.08				
4	10	.001	35					
5	11	.009	310					
6	12	.007	240					
7	13	.004	135					
8	14	.001	35					
9	15	.028	960					
10	16	.002	70					
11	17	.004	135					
12	18	.001	35					
13	19	<.001	<35					
14	20	.002	70					
15	21	.006	205					
16	22	.082	2810	2.81				
17	23	.003	105					
18	24	.014	480					
19	25	.004	135					
20	26	.003	105					
21	27	.002	70					
22	28	.001	35					
	29	.002	70					
24	D-14130	.003	105					

ab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

NK-92-3

DATE: July 10/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14131	.002	70					
2	32	<.001	<35					
3	33	<.001	<35					
4	34	.001	35					
5	35	<.001	<35					
6	36	.005	170					
7	37	.006	205					
8	D-14138	.011	375					
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

lab16

Chief Chemist: _____

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — Project No: 2703 — Category: A8 — Page 1 of 5

HOLE #: MK92-4 — NORTHING: -2066 (Surveyed) — EASTING: 4100 — ELVN: — LENGTH: 195 m

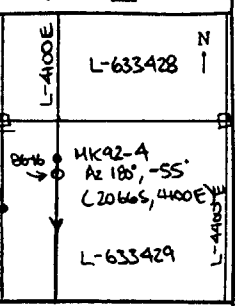
TWP: Nosewortiy — Drilled by: Bradley Bros. Ltd. (Noranda) — Logged by: P.C.A. — Start: June 24, 1992

Claim: L-633429 — Core Stored: Timmins, Ont — Casing/Size: BW (78m) + NW (61m) — Finish: June 26, 1992

Dist	Azim	Dip	Dist	Azim	Dip	Dist	Azim	Dip	Dist	Azim	Dip
0	180	-55									
74	—	-51°									
00	188°	-56°									
95	198°	-55°									

Purpose/Results: To undercut Overburden hole MOV 86-16 (L-4100E 21505). Intersected 5% Qtz + trpy. pa. spy / 4.5m (92-96.5m) 10% Qtz + 1% Aspy / 3.3m (104-107.30), 5% Qtz +0.5% Py tr Aspy / 6.83m (121.17-128), 9% Qtz, 3% Py / 9.0m (149-158)

NTS: 52L 2005



HOLE MAKES H_2O. Intersected several anomalous gold-bearing zones Best: 0.825 g/t Au (1.5m @ 102.5 - 104.0)

	Rock Description						Structure				Alteration Parameters (%)													
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
73.0						CASE																			BW + NW CASING LEFT IN + CAPPED.
77.20	SS	fg	bnd	BLK	gr	Sa	B	50								0.10							14139	4.2	Argillite - Graphitic Blocky, rubbly core, gouge on O.C. area. weakly conductive
78.5	SS	vfg	bnd	gw		Sg	B	40								0.10							14140	1.3	Greywacke - Siltstone
80.62	SS	"	bnd	gw		Sg	B	50	F	80						0.10							14141	2.12	Grey-white, vfg to fine grained, banded with dark grey bands in lighter fine grained matrix. O.C. sharp 55°
81.50	SS	fg	bnd	gb		Sa	B	55	F	70	0.2		1.5			0.10							14142	0.88	Argillite - minor qtz-kf(fg.) component chloritic with pitted/fract. QTZ, silky due to flat jointing.
81.00						Sa	B	45			2.5		1.0			0.10							14143	1.50	
84.5	SSS	fg	bnd	gb	gr	Sa	B	50			0.25					0.10							14144	1.5	
86.0	SSS	w	"	bg	gr	Sa	B	0			1.5		1.0			0.50							14145	1.5	Local fold, bulk-axe, bedding 0-40° Local chl ± QV (blue-white)
87.63	SS	fg	bnd	gb	gr	Sa	B	60	F		2.5		1.5			1.0	.10						14146	1.63	Argillite - more qtz-kf (fg.) component to O.C. area; rubble/gouge @ 87.3d
89.00	SS	vfg	bnd	gw	sil	Ss	B	60	F	65						0.2							14147	1.37	Siltstone - Greywacke
90.30	SS	fg	bnd	gy	arg	Ss	B	55			0.3					.10							14148	1.30	V.fg to fg., grey-white siltstone-qtz-banded; minor 2-4 cm beds of cherty-silic. sediment. ie) 88.4-88.72

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Namel	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
73.6		CASE																	
77.20		14159	4.2	.070															
78.5		14140	1.3	.135															
80.62		14141	2.12	.070															
81.50		14142	0.88	.070															
83.00		14143	1.50	.035															
84.5		14144	1.5	.070															
86.0		14145	1.5	.070															
87.63		14146	1.63	.205															
89.00		14147	1.37	.615															
70.30		14148	1.30	.755															

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
›ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
90.90	SS	fg	fold	gb	gv	Sa	B	60			2.5					0.40							14149	0.6	Argillite - graphitic folded, pitted QV.
92.00	Ss	vfg	bnd	gw		Ss																10	14150X	1.1	Siltstone - greywacke Greyish - white; v. blocky ground
93.50	SS	vfg	bnd	gy	sug	Ss	B	60			2.0		1.5			0.10							14151	1.5	minor argillik
95.00	"	"	"	"	"	"	B	60			2.0					0.10	0.10						14152	1.5	minor gouge @ 94.70
95.50	"	"	"	"		Ss	B	SS			1.0					0.10	0.20						14153	.80	
96.50	"	"	"	sy	sa	Ss	B	75			20.0		2.5			0.10				0.25			14154	.70	wkly ser - sugar c QV. which is pitted + tightly folded
97.22	SS	fg	bnd	gb	chl	Sa	B	35	F	70	0.25					0.10							14155	1.32	Argillite - chloritic & argillaceous bnded with folding evid.
98.30	SS	fg	bnd	gr	chl	IFchl	B	40			15.0					5.0					3.0	0	14156	.48	Iron Formation - chloritic Approx 5-10% chert bands; v. blky ground.
98.90	SS	fg	bnd	gb	chl	Sa	B	35			5.0					1.0							14157	.60	Argillik - chloritic
100.76	SS	fg	bnd	gr	chl	IFchl	B	45			2.0		1.5			4.5					1.0		14158	1.66	Iron Formation - chloritic Approx 10% greyish-green, chalky bands; local str chl next to QV; local buff ankerik assoc c chalky bands. Heavy pitted py bands; Sa band @ 99.7-100.
102.50	SS	fg	wcm	gb	chl	Sa	B	35	F	55	1.0		0.2			1.0							14159	1.74	Argillite - chl + argill
104.0	"	"	"	Jn	"	"	B	40	F	80	0.5					.10							14160	1.5	O.C. marked by 40° slip + QTZ vn Have argill. oval lawn 20 cm
104.70	Ss	vfg	bnd	gy	ser	Ss	B	50			1.5					.10				.10			14161	.70	Siltstone - greywacke, aphanitic, fg, finely banded, wkly ser.
105.70	SS	vfg	bnd	gy	ser	Ss	B	55			15.0					.10			.10	1.5			14162	1.0	Pitted/vugg folded QV c grn-yel chl/ser.
107.30	"	"	"	"	"	Ss	B	30			10.0		1.0			0.5				0.5			14163	1.6	

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
90.90		14149	0.6	.070															
92.00		14150	1.1	.035															
93.50		14151	1.5	.070															
95.00		14152	1.5	.070															
95.80		14153	.80	.035															
96.50		14154	.70	.139															
97.82		14155	1.32	.035															
98.30		14156	.48	.070															
98.90		14157	.60	.035															
100.76		14158	1.86	.070															
102.50		14159	1.74	.070															
104.0		14160	1.5	.825															
104.70		14161	.70	.035															
105.70		14162	1.0	.035															
107.30		14163	1.6	.035															

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: — Page 3 of 5

	Rock Description						Structure				Alteration Parameters (%)													
ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
06.90	SS	fg	pw	gy	chl	Stqp	B	15	F	70	3.5		0.5			.10	0.20	.10		.10			14164	1.6	Tuff-Sediment-QFE Porphyritic VFg QFE's (0.5-20%)
110.0	SS	VFg	bnd	gw		SS	B	60			0.20												14165	1.10	Siltstone - Greywacke
111.5	↓	↓	↓	↓		↓	B	20			0.20		0.4										14166	1.5	VFg to f-g SS banded; greyish-white - light pale green; minor whitish bands are
113.0							B	25			1.5		0.5			.10							14167	1.5	
114.12	↓	↓	↓	↓	ser	↓	B	40			0.3											40	14168	1.12	more siliceous. Gauge (45)@ 113.57 and 114.12 (90°)
115.0	SS	fg	bnd	gb	chl	Sa	B	40	F	75	1.5					.20							14169	.88	Argillic-chloritic; pitted QV(CT)
116.0	SS	fg	fold		chl	Sa	B	50					0.5										14170	1.0	
117.5	"	"	"		chl	Sa							0.5										14171	1.5	Blocky
119.0					chl	Sa	B	38					0.5			.10							14172	1.5	1, 2-3cm chalky band, dk green chl assoc
121.17					chl	Sa	B	50			0.3		0.3			.10							14173	2.17	
122.0	SS	fg	fold	gb	arg	Sa	B	35	F	80	3.0		5.0			.10				.10			14174	.83	Argillic - gumjub - Silk
123.0							B	30			7.0		3.5			1.0				2.0			14175	1.0	Blocky/pitted QTZ-Anite veins (folded)
124.0					↓						3.5		4.5			.10				.10			14176	1.0	Weak chl/ser assoc & folded pitted vns
125.0					chl		B	45	F	75	1.5		2.0			0.50							14177	1.0	Blocky/rubble
126.0	↓	↓	↓	↓	arg	↓	B	35	F	75	15.0		1.5			1.5							14178	1.0	
128.0	SS	fg	fold	gb	arg	Sa	B	45			1.0		0.5			.10							14179	2.0	Argillic - rubble; 0.5m core lost
129.5	SS	fg	fold	"	arg	Sa	B	50	F	70	0.5		0.5			0.10							14180	1.5	clutter from 129.10 - 129.5 & dk
131.0					"	"	B	40			1.5		1.0			0.50							14181	1.5	non-magnetic bands
132.5	SS	fg	fold	"	arg	"	B	60			2.5		1.5			1.5							14182	1.5	3cm grey-blue QVC 131.77
134.0	"	"	"	"	"	"	B	60			1.5		1.5			0.5							14183	1.5	Blocky
135.5						"	B	60					1.0			1.0							14184	1.5	Blocky/rubble
137.0	SSS	fg	fold	"	arg	"	B	55			1.0					0.40							14185	1.5	
138.5	"	"	"	"	"	"	B	60	F	70	2.0		1.0			0.5							14186	1.5	Blocky due to 15° joint planes/limonitic
140.0			"	"	"	"	B	50			0.5		2.5			0.5							14187	1.5	mod. gritic component, blocky
141.30	SS	fmg		gy	ser	Stqp	B	50			1.0		2.5			1.5							14188	1.3	Tuff-Sediment QFE porphyry (fg) wkly sericitic; folded 140.40, plunges 40°
143.60	SS	fg	fold	bg	arg	Sa	B	55			1.0		2.0			2.0							14189	1.7	Argillic - black-grey
144.5	↓	↓	↓	↓	↓	↓	B	55			1.5		2.5			0.5							14190	1.5	Fine banding accentuated / folded QTZ/Anite Vns
146.0	↓	↓	↓	↓	↓	↓	B	40			3.0		3.5			1.0							14191	1.5	

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
108.90		14164	1.6	.035															
110.0		14165	1.10	.035															
111.5		14166	1.5	.105															
113.0		14167	1.5	.035															
114.12		14168	1.12	.205															
115.0		14169	.88	.105															
116.0		14170	1.0	.170															
117.5		14171	1.5	.105															
119.0		14172	1.5	.070															
121.17		14173	2.17	.035															
122.0		14174	.83	.035															
123.0		14175	1.0	.035															
124.0		14176	1.0	.035															
125.0		14177	1.0	.035															
126.0		14178	1.0	.105															
128.0		14179	2.0	.035															
129.5		14180	1.5	.035															
131.0		14181	1.5	.790															
132.5		14182	1.5	.135															
134.0		14183	1.5	.035															
135.5		14184	1.5	.035															
137.0		14185	1.5	.035															
138.5		14186	1.5	.205															
140.0		14187	1.5	.480															
141.30		14188	1.3	.035															
143.00		14189	1.7	.135															
144.5		14190	1.5	.135															
146.00		14191	1.5	.135															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] — Page 4 of 5

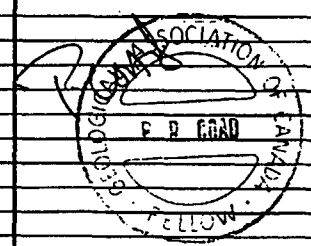
	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
M[illegible].5	SS	fg	bnd	bg	avg	SC	B	40			0.5		1.0			1.0							14192	1.5	Argillic - continues
M[illegible].0		"	"	"	"	"	B	40	F	75	0.5		1.5			1.5							14193	1.5	
15[illegible].5	SS	"	"	"	"	"	B	30			7.0		3.0			2.0							14194	1.5	
15[illegible].0						"	B	25	F	80	4.0		2.5			2.5							14195	1.5	
15[illegible].5	SS	fg	bnd	bg	avg	"	B	5			10.0		2.0			3.5							14196	1.5	
15[illegible].0	"	"	"	"	"	"	B	10			15.0		3.0			4.0							14197	1.5	Local chl (olive-green) assoc near QV
15[illegible].0						"	B	18	F	55	10.0		2.0			5.0							14198	1.0	
[illegible]2.0						"	B	30			10.0		1.5			4.0							14199	1.0	chl assoc ē QTZ/anhk veinings
15[illegible].0						"					5.0		1.5			2.0							14200	1.0	
15[illegible].57	SS					"	B	B40			0.10		0.5			2.0							14201	.57	
160.37	SSS	fg	bnd	gy	ser	SC	B	55			0.5		1.5			0.5							14202	1.8	Conglomerate (?) Schistose, mod. sericitic cgl with 20:1 stretching - local green mica clasts; QE porph (<0.5%)
16[illegible].80	SSS	vfg	bnd	yg	ser	SS	B	25			0.2		0.5			0.5							14203	1.43	Schistose - gwke
16[illegible].08	"	"	"	"	"	"	B	50					2.0			0.5							14204	1.28	Argillic, fg, light green-yel Porphy. in vfg QE (0.5-5%). oblique gouge slip @ 45° C o.c. area
16[illegible].0	SSS	fg	bnd	yg	ser	SC	B	45					0.5			.10							14205	.92	Conglomerate - schistose, stretchy with 20:1, stretched clasts (?)
16[illegible].0	↓	↓	↓	yg	↓	↓	B	35			2.5		1.0			.10							14206	1.0	
16[illegible].26	↓	↓	↓	yg	↓	↓	B	50	F	75	2.0		1.5			1.0							14207	1.26	Porphy. in fg. QE, mod-str ser Local green mica/fuch.
16[illegible].72	SS				Sil	FAULT	F	45				2.5				2.0							14208	.46	Fault/Shear (Tight) Angular clasts cemented by silic. matrix + also calcite. Vfg py; pass argy?
168.5	SSS	fg	bnd	yg	ser	dsch	B	22			0.25		0.5			.10	↖	mgr	subh	xtals			14209	1.78	Felsic-Intermed. schist Mod-str sericitic bands laminated with grey bands; stacky/discord; local

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
147.5		14192	1.5	.035															
149.0		14193	1.5	.170															
150.5		14194	1.5	.170															
152.0		14195	1.5	.135															
153.5		14196	1.5	.035															
155.0		14197	1.5	.035															
156.0		14198	1.0	.170															
157.0		14199	1.0	.240															
158.0		14200	1.0	.105															
158.57		14201	.57	.240															
160.37		14202	1.8	.205															
161.90		14203	1.43	.135															
163.08		14204	1.28	.070															
164.0		14205	.92	.170															
165.0		14206	1.0	.135															
166.26		14207	1.26	.070															
166.72		14208	.46	.035															
168.5		14209	1.78	.105															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] — Page 5 of 5

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
																									clay/mud on slips; zebra-sanding appearance
0.0	SS	fg	Lmd	yg	ser	4sch			F	15	0.2		0.5										14210	1.5	Mod-Str sericitic-silicified
1.76	SS	fg	"	"	"	"			F	15			0.2										14211	1.76	Unit tightens up; porph. in ufg QE o.c. stamp @ 22°
11.0	SS	fmg	por	gy	sil	4qfp			F	15	0.10		0.10			.10							14212*	22.24	Felsic Porphyry (dk grey, siliceous, quartz-eye (1-25% f.g-c.g. colourless QE) and white plag (0-2.5%, f.g-m.g. subh. Xtals); frequent flat to 15° carbonaceous-chl slips. From approx. 188 onward, % of plags. increases to ± 1-3%;
15.0	SS	fmg	por	gy	sil	4qfp			F	15	1.5		1.0			.10			.10				14213	1.0	Felsic Porphyry; tr tan sph'd in QTZ/ank vein; subh. Xtals of m.g.-c.g. py in matrix 1-4% plags; 1-15% QE. Carbon in 15° slip-locally str conductive. Slip ave. 1-2 mm wide over 30 cm.
950						Eof																			



TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
147.5		14192	1.5	.035															
149.0		14193	1.5	.170															
150.5		14194	1.5	.170															
152.0		14195	1.5	.135															
153.5		14196	1.5	.035															
155.0		14197	1.5	.035															
156.0		14198	1.0	.170															
157.0		14199	1.0	.240															
158.0		14200	1.0	.105															
158.57		14201	.57	.240															
160.37		14202	1.8	.205															
161.90		14203	1.43	.135															
163.08		14204	1.28	.070															
164.0		14205	.92	.170															
165.0		14206	1.0	.135															
166.26		14207	1.26	.070															
166.72		14208	.46	.035															
168.5		14209	1.78	.105															

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

NK-92-4

DATE: July 10/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14139	.002	70					
2	40	.004	135					
3	41	.002	70					
4	42	.002	70					
5	43	<.001	<35					
6	44	.002	70					
7	45	.002	70					
8	46	.006	205					
9	47	.018	615					
10	48	.022	755					
11	49	.002	70					
12	50	<.001	<35					
13	51	.002	70					
14	52	.002	70					
15	53	.001	35					
16	54	.004	135					
17	55	.001	35					
18	56	.002	70					
19	57	<.001	<35					
20	58	.002	70					
21	59	.002	70					
22	60	.024	825					
23	61	.001	35					
24	D-14162	.001	35					

ab18

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

NK-92-4

DATE: July 10/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14163	.001	35					
2	64	.001	35					
3	65	<.001	<35					
4	66	.003	105					
5	67	.001	35					
6	68	.006	205					
7	69	.003	105					
8	70	.005	170					
9	71	.003	105					
10	72	.002	70					
11	73	.001	35					
12	74	.001	35					
13	75	.001	35					
14	76	<.001	<35					
15	77	.001	35					
16	78	.003	105					
17	79	<.001	<35					
18	80	<.001	<35					
19	81	.023	790					
20	82	.004	135					
21	83	<.001	<35					
22	84	<.001	<35					
23	D-14185	<.001	<35					
24								

ab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

MK-92-4

DATE: JULY 14/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14186	.006	205					
2	87	.014	480					
3	88	.001	35					
4	89	.004	135					
5	90	.004	135					
6	91	.004	135					
7	92	.001	35					
8	93	.005	170					
9	94	.005	170					
10	95	.004	135					
11	96	<.001	<35					
12	97	.001	35					
13	98	.005	170					
14	99	.007	240					
15	14200	.003	105					
16	01	.007	240					
17	02	.006	205					
18	03	.004	135					
19	04	.002	70					
20	05	.005	170					
21	06	.004	135					
22	07	.002	70					
23	08	<.001	<35					
24	D-14209	.003	105					

lab16

Chief Chemist: _____

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: June 14/92

MK-92-4

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14210	<.001	<35					
2	11	<.001	<35					
3	12	<.001	<35					
4	D-14213	<.001	<35					
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

lab16

Chief Chemist: _____

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — Project No: 2703 — Category: A8 — Page 1 of 11

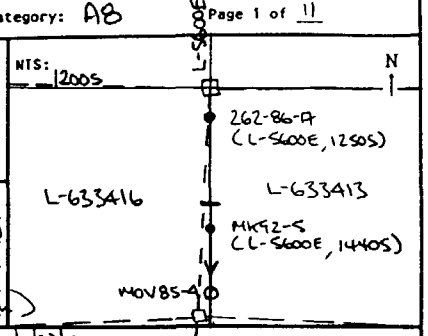
HOLE #: MK92-5 — NORTHING: -1440 (Surveyed) — EASTING: 5600E — ELVN: 3048 — LENGTH: 250.0 m

TWP: Noseworthy — Drilled by: Bradley Bros. Ltd. (Haward) — Logged by: P. (illegible) / P. Harvey — Start: June 26, 1992

Claim: L-633413 — Core Stored: Timmins, Ont. — Casing Size: 57 (BW) 51 (NW) left in. — Finish: June 28 '92

Dist	Azim	Dip	Dist	Azim	Dip	Dist	Azim	Dip	Dist	Azim	Dip
0	180	-60									
65	180	-59	Sperry Sun								
160	180	-59	"	"							
250	180	-61									

Purpose/Results: To drill under and beneath hole MOV 85-9 (L-5600E, 1500S) with enormous As values in HMC and to test HLEM conductor. Results: MSV PY from 65.23-65.31 returned 0.205 g/t Au (.06m)



Dist	Rock Description: Com	Grs	Text	Co	Alt	Name1	Structure: B	A1	F	A2	Alteration Parameters (%): Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
57.0						CASE																			57m BW, 51m NW casing left in hole
65.23	SS	fg	bnd	blk	gy	Sgy	B	65			1.5	0.2				7							14214*	8.23	Graphitic - Argillite Blk, dirty, pitted, shaley with local fine banding / bedding. 1-10% py balls with white quartz pressure shadows - locally flattened Strongly conductive.
65.31		fg	bnd			MS					0.5		0.5			98							14215	.08	Massive Pyrite with 3x1.5cm clot of graphite; py wkly banded 1, ½-1cm qv's & orange-brown ank.(?) in X-fractures in QTZ
76.50		fg	bnd	blk	gy	Sgy					0.5		0.5			5								11.19	Graphitic - Argillite Local microfolds structures; local py-balls with rodded textures in MSV py @ 6264-67.70. Bedding @ 55-60°, lost core due to grinding at: 68m (1.52), 71m (1.22), 74m (1.52), 77m (3.66) Gouge associated lower contact.

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Namel	Sampl #	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
57.0																			
65.23		14214	9.23	.135															
65.31		14215	.08	.205												173			
76.50																			

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
77.0	SS			GY		Sc					0.5		0.5			0.1								D.S	Contact w rubble core to conglomerate - mod sheared Frags of fg wk - may 10 cm at 77 m Nil minor graphite in interval
78.5	SS			GY	gr	Sc		60			0.5		0.5			10							14216	I.S	As w Sc at 77.0, with 1c graphite through interval enveloping frags, and 10% diss py - vfg - throughout. Graph bands 2mm define foliation at 60° 0.5 mm bands mass py rare through unit - ie 77.5 Stc of rock pitted 1mm pits + rare Wx fractures slips.
80.0	SS			GY	gr	Sc		60			0.5		0.5			10							14217	I.S	As 78.5
81.5	SS			GY	gr	Sc		60			0.5		0.5			10							14218	I.S	As 78.5, pyrite coarser grained - cubes up to cm across
83.0	SS			GY	gr	Sc		55			0.5		0.5			3							14219	I.S	As 78.5, with 10-20% angular argillite frags to 3 cm throughout, less py; as cm clusters 82.8 Bedding gently warped ±0° CA - None?
84.5	SS			GY	gr	Sc					0.5		0.5			3							14220	I.S	As 78.5, lacks any frags of 83.0
86.0	SS			GY	gr	Sc		50			2.0		2.0			3							14221	I.S	As 78.5, graph seems define foli. Lower contact not distinct. cm qv, fuzzy margins at 90° foli at 85.7

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Namel	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
77.0		14216	1.5	.035															
78.5		14218	1.5	.035															
80.0		14217	1.5	.035															
81.5		14218	1.5	.035															
83.0		14219	1.5	.035															
84.5		14221	1.5	.035															
86.0		14222	1.5	.035															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)													
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
87.5	S	fg	Fract		Ser	3m					5.0					2							14222	1.5	Mild fracts- hairline dark fracts through weak-mod sericitic massive fg Mafic Volc
																									Weak foli 50°
																									2-1cm qv's conf. to foli at 87.2 Barren, 1% py ⊥ wall.
89.0	S	fg	fract		Ser	3m					3.0					1							14223	1.5	1x 1cm qv ; at 87.5
90.8	S	fg	Fract		Ser	3m										1							14224	1.8	As 87.5, nil vein; seam py at 90° CA, 1% diss py
90.9						FLT		55																0.1	Gouge marks contact, ± cm wide in Volc.
92.5	S				Ser	Sc		55			2.0					2							14225	1.6	Moderately Sericitic Conglomerate. Locks graph content of Sc at 77.0 - Thought frags idea of fg Volc.. mm sericite defines foli'n + envelops frags. Diss py + 1cm seam of mg py ; 1x cm barren qv at 90° CA at 92.3
94.0	S		Fract		Ser	Sc		55			3.0					2							14226	1.5	3 cm qv's ; diss py + py seams along foli'n. Frags- vfg Sericitic F Volc(?) - ave fractured up ; typ cm - 3cm size - in stg ser matrix.
95.5			Fract		Ser	Sc					1.0					5							14227	1.5	As 92.5; stgr Ser + mc py
97.0			Fract		Ser	Sc					2.0					5							14228	1.5	As 925; with ≈5% angular argillite frags 1-2cm scattered through
98.5			Fract		Ser	Sc					1.0					8							14229	1.5	As 925, argillite frags ; mc diss py.

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
87.5		14222	1.5	.085															
89.0		14223	1.5	.070															
90.8		14224	1.8	.035															
90.9																			
92.5		14225	1.6	.035															
94.0		14226	1.5	.035															
95.5		14227	1.5	.035															
97.0		14228	1.5	.035															
98.5		14229	1.5	.070															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
99.4	M		Frmts	GY	Ser	Sc					0.5		0.5			3							14230	0.9	As 92.5, blebs fg frags
101.0				GY	Ser	Sc					0.5					2							231	1.6	Blocky equant core; poss FLT; 0.6 m lost Vuggy, graph frags, 2-5%.
101.6					Ser	Sc					0.5					3							232	0.6	Vuggy, graph frags
103.[redacted]				GY	GR	Sc		65			5.0					5							233	1.5	In graph frags to 10% of total, with ass py. 3 x 2 cm qv at 102.3, 102.5, 103.0 Diss py throughout matrix; veins barren.
104.0				GY	GR	Sac					0.5					10							234	0.9	As ↑ 103.1, ↑ in graphite frags to >50% of interval + graph along foliation planes to 'beds' to 2-3 cm; esp towards 104.0 Fmg cubic py peppered through + ass w graphite
105.5	M			GY	Ser	Sc		65			0.5					3							235	1.5	Sharp contact at 104 to sty Ser Conglom as 92.5 etc. 3% fg py + tr-1% Fuchsite clast mm scale. Mod-sty sericitic matrix and ser felsic frags 104.5 - 104.7 - FLT - Blocky core -
107.0	M			GY	Ser	Sc					0.5					3							236	1.5	As 105.5
109.5	M			GY	Ser	Sc					3					20							237	2.5	As 105.5, ↑ in py - envelops frags along foliation; interval 107.5 - 107.6 is mass py Vuggy + minor blocky core. 2 x cm qtz
110.0	M			GY	Ser	Sc					3					5							14238	1.5	As 105.5, ↑ diss py and frags of py to <3cm Vuggy core. Tr fuchsite frags.

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
99.4		14230	0.9	.035															
101.0		14231	1.6	.035															
101.6		14232	0.6	.670															
103.1		14233	1.5	.035															
104.0		14234	0.9	.445															
105.5		14235	1.5	.135															
107.0		14236	1.5	.035															
109.5		14237	2.5	.105															
110.0		14238	0.5	.035															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Namel	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
111.5	M			GY	Sili	5c					0.5					5							14239	1.5	Similar to above, unit is silicified; frags more visible. Pyritic + fn frags
113.0	M			GY	Sil:	5c					0.5					5							240	1.5	As 111.5 Blocky 111.6 - 111.8
114.5	M			GY	Ser	5c					2.0					5							241	1.5	Transition to Sericitic as above 111.5 diss py + tr fnch frags <mm · Ser frags to 3cm.
115.2	M			GY	Ser	5c		50			0.5					5							242	.7	As 114.5.
116.14					Sil:	3m					0.5					3							243	.94	Siliceous pale grey massive vfg w 'eggshell' fracts As 87.5 Diss py throughout.
116.9						5t		55			2.0					10							244	.76	Dark grey tuff: py throughout as fg clusters + cubes 5mm. cm qv at py/ch; ser on py/ch.
118.4			crcn		Sil:	3m					0.5					5							245	1.50	As 116.14, minor crenulated py/ch
119.5					Sil:	3m		60			0.5					5							246	1.1	As 116.14
120.1						5t		45			0.5					5							247	0.6	Crudely bedded tuff; mm scale frags, rare fnch Frags. Dark grey-black.
122.0					Gra	5c					2.0					5							248	1.9	Graphitic bands + seams surround frags; diss py throughout; 1 x 2cm boudinaged qv at 121.6 0.5m core lost; FLT at 121.9 - ground core.
123.5					Gra	5c		58			2.0					5							249	1.5	As 122.0 1 x 2cm qv at 122.4
125.0					Gra	5c					2.0					5							250	1.5	As 122.0; 1 x 2cm qv at 124.0; at 40° CA Frags 1-5cm.

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
111.5		14239	1.5	.035															
113.0		14240	1.5	.070															
114.5		14241	1.5	.035															
115.2		14242	0.7	.035															
116.14		14243	.94	.035															
116.9		14244	.76	.035															
118.4		14245	1.5	.035															
119.5		14246	1.1	.035															
120.1		14247	0.6	.035															
122.0		14248	1.9	.035															
123.5		14249	1.5	.105															
125.0		14250	1.5	.035															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
126.5	S		SHD	BK	GRA	5a					20					2							15001	1.5	Sharp contact marked by QV 125.0 - 125.3 into graphitic argillite, w typically 10-20% qtz-carb veining along foltn at low angle to C.A. 3-10% py as fg clusters often >cm throughout
134.0	S		SHD	BK	GRA	5a		20			10					5							15002	7.5	As 126.5 highly conductive. Foltn 10-30° throughout; Avg = 20° CA. mm-cm boudin r wormy qv's par to foltn. Argillite well laminated. Sheared text. Numerous graphitic slips parallel to foltn.
146.0	S		SHD	BK	GRA	5a		20			20					5							003	12	As 134.0 . Foltn 0°-35°, generally ±20° CA 141.5 - 141.7 Graphitic FLT at 27°
155.4	M				Sil	5a		0		70	5					0.5							004	9.4	Abrupt change at 146 to less graphitic argillite - weakly Silicified? is competent, pale grey + lacks graphitic slips. Bedding 0-10° CA; w fract cleavage at 70° CA. Lesser wormy qv's Rare tr py specks.
155.9						GFZ		15																0.5	Graphite rubble-core in low angle fault.
160.0	S		SHD	BK	GRA	5a		20			20					5							005	4.1	Graphitic argillite at 134 etc. Numerous graphitic slips par to foltn 5-30°
160.6						5c					10					2							006	0.6	Conglom w frags 0.5-5 mm in graphitic matrix Lighter blue-grey frags.
170.0			SHD	BK	GRA	5a		20		80	10					5							007	9.4	Black graphitic argillite w foltn 5-30°, typ 20° CA Py bands to 3 cm. Typically v. conductive

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
126.5		15001	3515	.2050															
134.0		15002	7.5	.105															
146.0		15003	12	.070															
155.4		15004	9.4	.070															
155.9			11.1	-															
160.0		15005	4.1	.035															
160.6		15006	0.6	.070															
170.0		15007	9.4	.105															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
179.0				BK	GRA	5a		20			10					5							15008	9.0	Strongly conductive graphitic argillite as above. Bedding at 20°±10°; weak cleavage at 70° Py balls >cm throughout. Fragmental text 172.5-173.0 - cm angular arg frags + interval.
188.4				BK	GRA	5a		20			10					5							009	9.4	As above - py balls and bedding at 179.2 at 20° CA. Strong conductive Bedded py 187.7-188.1
190.0				BK	GRA	5A					20					5							010	1.6	10cm QV cut to felsic at ≈20°. 188.4-188.6
191.0				Bk	GRA	5a		40			10					5							011	1.0	Bedded graphitic argillite; lower contact over ≈1.0 m
192.5					GRA	5c		20			1					5							012	1.5	Good contact to tetrolithic conglomerate. Graphitic infillings on frags, are 1-5cm; dissem py
194.0					GRA	5c		20			0.5					10							013	1.5	Py; lesser amts of graph matrix Rare clear wormy qvs
195.5					Ser	5c					0.5					3							014	1.5	Good example of Hetro GWK weak sericitic + minor graphite through matrix - Frags cm scale, rounded matrix supported range from glassy-grey chert - ser felsic volc - graphitic.
197.0					Ser	5c					2.0					2							015	1.5	As 195.5, graphitic 196-197 QV boudins lined w py 196.8-197.0
198.5					GRA	5c					1.0					1							016	1.5	Graphitic matrix ± Hetro GWK.

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
179.0		15008	9	.070															
188.4		15009	9.4	.035															
190.0		15010	1.6	.035															
191.0		15011	1	.240															
192.5		15012	1.5	.035															
194.0		15013	1.5	.105															
195.5		15014	1.5	.170															
197.0		15015	1.5	.035															
198.5		15016	1.5	.035															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
200.0				GY	GRA	Sc					0.5					3							15017	1.5	Conglom. w graphitic matrix, wispy bands of sericite and rare fuchsite clasts.
201.5					GRA	Sc		30			2					1							018	1.5	As 200, cm wormy/bandinged qtz vein at 200.4 ; Ser + tr fuchsite clasts
203.0					GRA	Sc		30			1					1							019	1.5	Sericitic locally; cm scale rounded hetro frags - ~~dst~~ tightly packed ; chert + FV frags bedding uniform ~30°
204.0					GRA	Sc					0.5					1							020	1.0	As 200
205.0					GRA	Sc					0.5					1							021	1.0	As 200
210.5	M	fg			Ser	3m					1.0					1							022	5.5	Sharp contact at 205.0 at 40° into massive f-mg Ma Volc weak- locally mod ser altd rare 0.5cm qtz's + bandins of qtz; lt. diss Py throughout Weak foliation at 40°.
212.0					Ser	Sc					3					0.1							023	1.5	Sharp contact into good unit of hetrolithic Conglom. Frags - chert - qtz - Fuch - Ser Alt Phyllite - argillite Sub-ang-angular, 0.5 - 3 cm in weak sericitic matrix of mm frags. Boudins + flags of qtz's. Frags 50-60% of unit.
213.5					Ser	Sc		40			1					0.1							024	1.5	As 212.0 ; minor graphite on foliation planes Late crosscutting fracts at 70°
215.0					Ser	Sc																	025	1.5	As 212.0 ; 20% frags, minor graphitic matrix 213.7 - graphitic shrs at 20° 214-215 - transition to finer gr Conq/Tuff.

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sample#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
200.0		15017	1.5	.035															
201.5		15018	1.5	.035															
203.0		15019	1.5	.035															
204.0		15020	1	.035															
205.0		15021	1	.035															
210.5		15022	5.5	.035															
212.0		15023	1.5	.035															
213.5		15024	1.5	.035															
215.0		15025	1.5	.035															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
216.5	M		Fract			3m					1.0					0.1							15026	1.5	Fractured weak sericitic alt'd massive Mn Volc Weak foltn 20-30°. hs 210.5 etc.
217.9	M		Fract			3m					1.0					0.1							027	1.4	As 216.5
219.5	M				Ser	5c		20			1.0					0.1							028	1.6	5c as 212, well foltd at 20° Sericitic + minor graphitic defac foltn rounded hetro frags mm- ±.5 cm size
221.0	M				Ser	5c					1.0					0.1							029	1.5	hs 212; hetro; mixed w 3m
222.5	M				Ser	5c					1.0					0.1							030	1.5	Sericitic, hetro, frags ± 3cm
224.0	M				Ser	5c					3.0					1.0							031	1.5	Sericitic / Silicified hetro .5mm qv w + py at 223.0
225.5	M				Ser	5c		25			1.0					0.1							032	1.5	hetro 5c + intercalated 3m.
227.0	M				Ser	5c					3.0					0.5							033	1.5	Sericitic frags + matrix, overall is silicified qV bandins.
228.4					Ser	5c		20			0.5					0.1							034	1.4	Sericite alt'd; Silicified; minor fract.
230.0					Ser	5c					5.0					0.5							035	1.6	cm clear banded qv par to foltn at 20° 228.4 - 228.7. Mod sericitic - bands of sericite <cm throughout
231.2					Ser	5c		30			5.0					3.0							036	1.2	Mod Sericitic, Foltn 20-40° at 231.0 2-5% py, inc towards 231.2. as disc qtz veinlets

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
216.5		15026	1.5	.170															
217.9		27	1.4	.410															
219.5		28	1.6	.410															
221.0		29	1.5	.515															
222.5		30	1.5	.035															
224.0		31	1.5	.035															
225.5		32	1.5	.070															
227.0		33	1.5	.070															
228.4		34	1.4	.035															
230.0		35	1.6	.035															
231.2		36	1.2	.035															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)													
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
233.0	S		SHD		GRA	Sa		25			50					0.5							15037	1.8	Graphitic Argillite; conductive Sharp contact at 231.2 @ 40° Sheared; 50% <cm qvs boudinaed along Foli.
234.1	S		SHD		GRA	Sa					50					0.5							038	1.1	As 233.0
234.4						QV.		55			95					0.5							039	.3	Ribbon text milky QV at 55°; sharp contacts, tr py ass w mm graph ribbons at cm intervals in Vein.
236.0					GRA	Sac		20			20					5.0							040	1.6	Graphitic argillite/conglomerate, sheared Irreg foli injected w qtz- unit silicious, qtz veinlet stockwork, graphitic slips throughout Frags seen in Sc unit scattered throgh, form 10% of total
237.5					GRA	Sac					5					3							041	1.5	As 236
239.0					GRA	Sac					2					0.5							042	1.5	As 236
240.5					GRA	Sac		30			2					0.5							043	1.5	As 236
242.0					GRA	Sc					5					0.5							044	1.5	Lesser Graphitic material through matrix, fine gr - coarse tuff 241.0 - 242.0
243.5					GRA	Sc		20			5					0.5							045	1.5	Boudins + frags of QVs; fg - coarse tuff - Metro. Transition graphitic - Siliceous matrix
245.0					Sil:	Sc					5					1.0							046	1.5	Coarse Metro; scr FVK frags to 3cm Graphitic - Siliceous matrix.
246.5					Sil:	Sc					10					3.0							047	1.5	As 245

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
233.0		15037	1.8	.105															
234.1		38	1.1	.135															
234.4		39	0.3	.135															
236.0		40	1.6	.205															
237.5		41	1.5	.105															
239.0		42	1.5	.105															
240.5		43	1.5	.170															
242.0		44	1.5	.035															
243.5		45	1.5	.035															
245.0		46	1.5	.135															
246.5		15047	1.5	.340															

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

HOLE #: [redacted]

Dist	Rock Description						Structure				Alteration Parameters (%)																Comments
	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	
248.0					Sili	Sc					10					2		1					15048	1.5	Coarse hetro Conglom; frick frags; 2cm Qtz vein at 246.6; wr dirs Pf; Frags define foln at 0°CA as does wispy ser bands. Core fractured at 0° CA
250.0					Sili	Sc					2					2							49	2.0	As above interclated wr 3m
END																											

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TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
248.0		15048	1.5	.275	-														
250.0		15049	2	.240															
END																			

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

MK-92-5

DATE: July 14/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14214	.004	135					
2	15	.006	205					
3	16	<.001	<35					
4	17	.001	35					
5	18	.004	135					
6	19	<.001	<35					
7	20	<.001	<35					
8	21	<.001	<35					
9	22	.001	<35					
10	23	.002	70					
11	24	.001	35					
12	25	<.001	<35					
13	26	<.001	<35					
14	27	<.001	<35					
15	28	<.001	<35					
16	29	.002	70					
17	30	<.001	<35					
18	31	<.001	<35					
19	32	.002	70					
20	33	<.001	<35					
21	34	.013	445					
22	35	.004	135					
23	36	<.001	<35					
24	D-14237	.003	105					

b16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

MK-92-5

DATE: July 14/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14238	<.001	<35					
2	D-14239	<.001	<35					
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

ab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

MK-92-5

DATE: JULY 14/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14240	.002	70					
2	41	<.001	<35					
3	42	<.001	<35					
4	43	<.001	<35					
5	44	<.001	<35					
6	45	<.001	<35					
7	46	<.001	<35					
8	47	<.001	<35					
9	48	<.001	<35					
10	49	.003	105					
11	14250	.001	35					
12	15001	.006	205					
13	02	.003	105					
14	03	.002	70					
15	04	.002	70					
16	05	.001	35					
17	06	.002	70					
18	07	.003	105					
19	08	.002	70					
20	09	<.001	<35					
21	10	<.001	<35					
22	11	.007	240					
23	12	.001	35					
24	D-15013	.003	105					

ab16

Chief Chemist: _____

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

MK-92-5

DATE: June 14/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-15014	.005	170					
2	15	<.001	<35					
3	16	<.001	<35					
4	17	<.001	<35					
5	18	<.001	<35					
6	19	<.001	<35					
7	20	<.001	<35					
8	21	<.001	<35					
9	22	<.001	<35					
10	23	<.001	<35					
11	24	<.001	<35					
12	25	<.001	<35					
13	26	.005	170					
14	27	.012	410					
15	28	.012	410					
16	29	.015	515					
17	30	<.001	<35					
18	31	<.001	<35					
19	32	.002	70					
20	33	.002	70					
21	34	<.001	<35					
22	35	<.001	<35					
23	36	<.001	<35					
24	D-15037	.003	105					

lab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

MK-92-5

DATE: JULY 14/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-15038	.004	135					
2	39	.004	135					
3	40	.006	205					
4	41	.003	105					
5	42	.003	105					
6	43	.005	170					
7	44	<.001	<35					
8	45	.001	35					
9	46	.004	135					
10	47	.010	340					
11	48	.008	275					
12	D-15049	.007	240					
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: July 29/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	As ppm			
1	D-13502				329.			
2	08				56.			
3	11				47.			
4	14				33.			
5	18	MK92-1			28.			
6	13525				25.			
7	13652				148.			
8	58				1470.			
9	59				1680.			
10	60				1050.			
11	61				1990.			
12	62				1890.			
13	68				222.			
14	13672				340.			
15	14215	MK92-5			173.			
16	D-15190	MK92-6			2810.			
17								
18								
19								
20								
21								
22								
23								
24								

ab16

Chief Chemist:

GEOLOGICAL ASSOCIATION OF CANADA · P. R. COAD · FELLOW

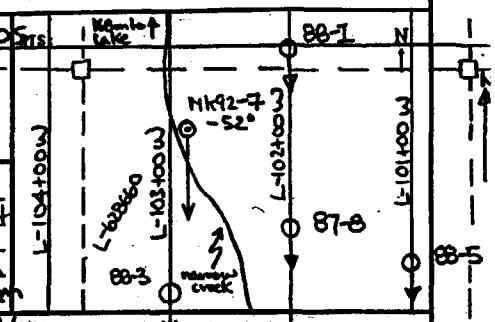
TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — Project No: 2703 — Category: — Page 1 of 12

HOLE #: [illegible] — NORTHING: -36905 Surveyed — EASTING: [illegible]E — ELVN: [illegible] — LENGTH: 297 m [illegible]

TWP: Hobbs, Itze 11 — Drilled by: Bradley Bros. — Logged by: P.COAD — Start: DEC. 1, 1992
Claim: L-628660 — Core Stored: Timmins — Casing/Size: BQ (10m left in) — Finish: DEC 6, 1992

Dist	Azim	Dip	Dist	Azim	Dip	Dist	Azim	Dip	Dist	Azim	Dip
0	150	-52	300	207°	-44						
75	192	-49									
150	202	-48									
225	196	-45									

Purpose/Results: To undercut 100m below intersection of 1.52g/t Au over 55m in 260883 on L-103+00W. Intersected 9 different areas of quartz veining with tr-35% Py; best assay 8.98 gpt Au over .262 opt Au / 0.5m and a separate assay of 4.7 gpt Au over .138 opt Au / 0.6m (*) - see log below



Dist	Rock Description: Com	Grs	Text	Co	Alt	Name1	Structure: B	A1	F	A2	Alteration Parameters: Qtz	Cal	Ank	—	— %	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments (* denotes geochemical grab)
10.10						CASE																			CASING
11.0	SS	fg	bnd	gr	chl	IFchl	B	65			0.25					.10							14251	0.9	Iron Formation - DK green-brown (10%-15% pink garnets); mod-str magnetic; blue QTZ in matrix.
12.5	SS	fg	bnd		chl	IFchl	B	65			0.30					.10							14252	1.5	Colourless QTZ vnlets (+)
14.0	SS					"																	14253	1.5	mod-str magnetic
15.5						IFchl	B	55			0.10					.10							14254	1.5	IFchlorite- ± 1-5% QTZ + lighter pale yell/white bands; garnets present in chl. bands
17.0	SS	fg	bnd		chl	Atgp	B	55			0.5					1.5							14255	1.5	Intermed - Felsic Tuff - QF phyric Fine diss py, unit locally chloritic. Quite magnetic due to increase chl + pass. IF screen. Local pink calc ± QV.
18.0	SS	fg	bnd	gy	ser	Atgp	B	60			0.25					2.0							14256	1.0	Intermed - Felsic lapilli(?) tuff - QF phyric Streaked by light yell (ser) bands; 0.5-1% QF. Diss. py between in chl/wt(?) bands.
18.5	SS	fg	bnd	gr	chl	QV	B	65			55	10.0				2.5							14257	0.5	Quartz Vein ± pink-white carb. (mod. react); minor blk tourm. Diss [illegible]

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
ist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				OPC															
1.0		14251	.90	.001		35													
2.5		14252	1.5	.002		70													
1.0		14253	1.5	.001		35													
5.5		14254	1.5	.001		35													
1.0		14255	1.5	.001		35													
3.0		14256	1.0	.002		70													
8.5		14257	0.5	.015		515													

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
st	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
										—															In chl I.F. host – wk-mod. magnetic
5	SS	fg	bnd	gy	ser	IFchl	B	SS	Y	65	20	5.0				2.5		.10					14258	1.0	IF chlontic + fine grained tuff(?) Mod-str magnetic; QTZ-carb veins exhibit buff-yell alteration halves; diss fg to mg py in carbonate in QV (felted hairline) Py in chl (bt?) matrix too. Veins deformed.
20.0	SS	fg	bnd	gy		IFchl	b	50			0.15					2.0							14259	0.5	Iron formation – chl + bt folding – mod-str magnetic; sev all-r halo ± folded QV's
21.0	SS	fg	bnd	gy		IFchl	0	25								.10			.10				14260	1.0	IF chlontic – with 5-10% cse garnets; local thin bands mav/bt; strongly magnetic
21.5	SS	fg	bnd	gy		QV					50	5.0				1.5			0.5				14261	0.5	QV – folded in I.F. – fg-c.g. anhed-sub py in vein + matrix. Thin red-brown sph bands in matrix. Matrix relatively hard to scratch.
22.0	SS					IFchl					15	0.5				3.0							14262	0.5	Mod-str magnetic – chl + bt folded QVs – fg to c.g. anh-sub py
22.5	SS					IFchl	B	45			10	5.0				3.0			0.2				14263	0.5	Mixed IFchl + Intermed tuff Folded QTZ/CB$_3$ veins
23.0	SS					IFchl					12	2.0				1.0							14264	0.5	IF chl – bnt bleached lt/dk green halves on QV's; chl + bt diff upon QVs; diss fng. ppt in light matrix. Mod-str magnetic – local QV anhydrite pinkish-brown tint (poss ZnS?)
23.0	SS					QV	b	50			15					3.0							14265	.60	QTZ Vein + calcite – veins exhibit pink hint; local diss ppt in calcite

TRADER RESOURCE CORPORATION ✓ MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				ORE															
19.5		14258	1.0	.016		550							-						
20.0		14259	0.5	.010		340													
21.0		14260	1.0	.001		35		91		720			.6						
21.5		14261	0.5	.007		240		123		640			1.6						
22.0		14262	0.5	.262				41		150			1.8						
22.5		14263	0.5	.013		445		33		93			2.2						
23		14264	0.5	.063		2160		13		54			0.4						
23.6		14265	0.60	.001		35		21		190			2.2						

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
24.50	SS	fg	Lmd	gy	Fe	Hgp	B	65			0.5	0.25				0.5							14266		Matrix = IF chl (mod-str magnetic) Interbed - Felsic Tuff - QFE phyric VFg QE; bands of light green-yell calcite, mod. magnetic.
25.0	SS	fg	Lmd	gy	chl	IFchl	B	50			50					.10							14267		IF chl - Mod - str magnetic Unit is chl + biotite.
26.0				gy	chl	IFchl					0.25						0.5	0.5					14268		IF chl - 1% gamets ; are QV (40) Colourless QV ± cpy + py ; - local m.g. chloritoid Xtals in chl-rich/int sediment.
26.5						IFchl						1.0											14269	0.5	gamets seen examined
27.0						"						1.0							0.5				14270	0.5	Calcite veins ± 2% below - followed by chl ± chloritoid. gamets in chl-rich areas (1-5%), mod-str magnetic.
27.5	SS		Lmd		chl	IFchl	b	60	V	40	5	1.0				0.2	1.5	0.2					14271	0.5	IF chl - Strongly magnetic ± garnets (1-5%)
28.0			"		"	"					5	1.5					1.0	0.2					14272	0.5	QV-bleed
28.5	"		"		"	"	B	60			20	0.5											14273	0.5	1-2% m.g. garnets
29.0			"		chl	"					10	4.0											14274	0.5	mod-str magnetic
30.5	SS		"		chl	IFchl	B	65				3.0											14275	1.5	
32.0					chl	"	B	60				2.5				.10							14276	1.5	IF chl - whitish carbonate speckled. Local blood blk boxwork in calcite veins. Mod. magnetic
33.5	SS	fg	Lmd		chl	Ft	B	65			0.5	1.0				.10							14277	1.5	Interbed Tuff - chl ± ft - wk -
35.0	SS	"	"		chl	Ft	B	60			0.5	1.5											14278	1.5	mod. magnetic. pass chl IF. *
35.5	"	"	"		chl	Ft					0.2	0.2											14279	0.5	Local ccc'd blebby colourless-green Xtals in fractures with assoc carbonate + local sericite. X-cut. Unit is wk-mod. carb. speckled.
36.5		fg	Lmd	gy	chl	IFchl	B	65			3.0	2.0						.10					14280	1.0	IF chl - mod-str magnetic, chl ± ft

.052 / 4.5m

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				OPT															
24.5		14266	0.90	.064		2190		30		530			0.5						
25		14267	.5	.007		240		89		230			0.4						
25		14268	1.0	.001		35		158		720			0.7						
26.5		14269	0.5	.001		35		75		210			0.6						
27		14270	0.5	.006		205		87		920			0.7						
27.5		14271	0.5	.002		70		300		530			1.7						
28		14272	0.5	.002		70		99		320			0.7						
28.5		14273	0.5	.001		35		89		310			0.7						
29		14274	0.5	.012		410		146		330			1.1						
30.5		14275	1.5	.001		35													
32		14276	1.5	.001		35													
33.5		14277	1.5	.001		35													
35		14278	1.5	.001		35													
36.5		14279	0.5	.001		35													
36.5		14280	1.0	.001		35													

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] — Page 4 of 12

	Rock Description						Structure				Alteration Parameters (%)															
ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
38.0			Lmd	gy		IFchl	B	70			1.5	0.5				.10							14281	1.5	IF-chl. chl+ St-bounding all QTZ-cm veins
39.40	SS	fg	"	gy		IFchl	B	75			0.5	0.5											14282	1.40	IF-chl; wk-str magnetic
41.0	SS	fg	Lmd	gy		Alt	B	60			1.0	1.0				0.5							14283		Intermed. Tuff - silic. as above with chl/St wash; wkly magnetic; local sericite bleached halos on QV's; at 42.5 1-2° bnd & diffuse, mod. Crenulated alteration; local garnets at Alt areas in chl-rich matrix. Unit discern & mt near QV. areas.
43.5						"					8.0	1.5				0.2							14284		
44.0						"	B	60			3.5	1.5											14285		
45.5	SS	fg	Lmd	gy		Alt	B	65			0.2	0.2				1.5			0.5				14286		Intermed - Tuff, silic; wkly local pink colouration; darker chl/St areas mod magnetic; red to light brown spkd Cc thin discern ⅓ wisps near in-ct area.
47.0	SS	fg	Lmd	gy		Alt	B	70			0.10					.10							14287		Intermed. Tuff - unit is wkly Stringhe but speckled by fg. alt.
48.5			↓	gy		↓					0.25												14288		Qc. (48.5 - pitted QV. Unit C
50.0				gP	hem						0.8					1.0							14289		48.5-50 exhibits pink (hem) brec with local grey-blue QTZ veinlets - (pitted) local py in quartz veinlets. Can see diss alt grains assoc; local carb. speckling.
51.5	SS	fg	Lmd	gy		Alt					0.10					0.5							14290		Intermed Tuff - possibly IF chl *
53.0																0.25							291		grey-green, and local speckled by
54.5																0.5							292		calcite, local altermoded albite zits
56.0							B	65								0.5							293		and local pink garnets. Imm QTZ/calcite
57.5											0.5		garnets										294		veinlets; local disem py. Entire
59.0											0.5	0.5				0.25							295		unit J wk.-str magnetic.
60.5	↓	↓	↓	↓		↓										1.0	0.5	.10					14296		

TRADER RESOURCE CORPORATION / MIKWAH JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				OPT															
38·0		14281	1·5	·001		35													
39·40		14282	1·4	·001		35													
41·0		14283	1·6	·001		35													
42·5		14284	1·5	·001		35													
44·0		14285	1·5	·001		35													
45·5		14286	1·5	·001		35		141		1200			0·7						
47·0		14287	1·5	·001		35													
48·5		14288	1·5	·001		35													
50·0		14289	1·5	·001		35													
51·5		14290	1·5	·001		35													
53·0		14291	1·5	·001		35													
54·5		14292	1·5	·001		35													
56·0		14293	1·5	·001		35													
57·5		14294	1·5	·001		35													
59·0		14295	1·5	·001		35													
60·5		14296	1·5	·001		35													

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] — Page 5 of 12

	Rock Description						Structure				Alteration Parameters (%)														
ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
62.0	SS	fg	Lmd	gy		ft	R	60			2.5	1.5				0.5							14297	1.5	Interbed. Tuff / IFchl(?)
63.0		vfg			hem	ft																	14296	1.0	Mod. magnetic. Pink stained
64.0		vfg				ft	R	SS			0.5												14295	1.0	
65.0	SS	fg	Lmd	gy	alb	IFchl					0.2	0.2				0.2							14300	1.0	IFchl - dk green-blk, magnetic
66.5					"	"																	14301	1.5	(fg) with alteration as
68.0	S	fg	Lmd	wk	alb	"																	14302	1.5	scattered stringered grains and
69.5						"																	14303	1.5	local patches (dikes?) with diffuse
																									margins; patches exhib a pinkish/
																									orang tint (local fg pink garnets
																									in felsic-rich areas); poss
																									minute garnets in alb "patches"
																									local py (dissem) in patches
71.	SS	fg		gy	alb	IFchl	B	70			1.0					1.0							14304	1.5	IFchl - str magnetic - albitization
																									local . 5% carbs
72.62		fg	Lmd	gy	alb	IFchl	B	70			0.5					1.0							14305	1.62	Mod-strongly magnetic. local
																									albitization
73.7		fg		pk	Alb	AZone										1.5							14306		ALBITIZED ZONE - pink grey - with
																									fg-cg albitized zits - protolith is
																									IF, mod magnetic due to diss
74.58	SS	fg	Lmd	gy	Alb	IFchl	B	75			0.5	0.5				0.5							14307		py
																									IFchl - magnetic, albitized zits +
75.0		fg	Lmd		Alb	AZone					0.5	0.5											14308		pink tint
																									Mod. pink tint. ALBITE zits - pink tint
75.5	C	fmg	Lmd	pk	Hem	AZone	B	70			3.0	1.0				1.5							14309		Mod. magnetic
76.0					"	"										2.0							14310		ALBITIZE ZONE - Protolith → IF
76.5				pk	hem	AZone					5.0	1.5				2.0							14311		
77.0				by		AZone										1.5							14312		
77.6	S	fmg			hem	AZone					15.0	10.0				3.5							14313		wkly hema. mod. magnetic
																									10% chlorite-alb in GMVs + fg-cg
																									py dots / Minor blk hemm.
78.5	S	fg			hem	AZone					5.0	4.0				1.0							14314		ALBITIZED ZONE - str mod. magnetic -
																									hem. vein Fmx, local sec alt halo
																									on GMVs
79.40	S	fmg	Lmd	pk	Alb	IFchl					1.0	1.0				0.4							14315		IFchl + hem ± albitized - local garnet
																									local fine GMX eye, mod-str magnetic

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Namel	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
62.0		14297	1.5	.001		35													
63.0		14298	1.0	.001		35													
64.0		14299	1.0	.001		35													
65.0		14300	1.0	.001		35													
66.5		14301	1.5	.001		35													
68.0		14302	1.5	.001		35													
69.5		14303	1.5	.001		35													
71.0		14304	1.5	.004		135													
72.62		14305	1.62	.010		340													
73.7		14306	1.08	.047		1610													
74.5		14307	0.8	.002		70													
75.0		14308	0.5	.001		35													
75.5		14309	0.5	.006		205													
76.0		14310	0.5	.002		70													
76.5		14311	0.5	.012		410													
77.0		14312	0.5	.003		105													
77.6		14313	0.6	.010		340													
78.5		14314	0.9	.004		135													
79.4		14315	0.9	.001		35													

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] — Page 6 of 12

Dist	Rock Description: Com	Grs	Text	Co	Alt	Name1	Structure: B	A1	F	A2	Alteration Parameters (%): Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
80.0						QV					95			AKD	2.5	1.5							14316	0.60	white, colourless QV ± pyrite, silt + chl inclusions/voids; local halos of silic + ser + hem. Fg - mod py
80.60						QV					85			AKD	4.5	3.5							14317	0.60	Host is hem + silic vein Fun
81.5	S	fg	bnd	gy	hem	Alt					0.5	0.5	0.5			0.5							14318		Intermediate Tuff - hem altered
83.0				gp																			14319		Mod - Str magnetic - pass. dist'd to
84.5																		.10					320		If. (?) Unit - Qtz washed with
86.0																							321		weak hematitic alt.; vfg
87.5							B	75															322		disseminated specks of pyr.?; local
89.0											10	4.5		trace	3.5	0.5							323		clotted as isolated subrounded
90.5																0.2							324		crystals or coalesced patches. local
92.0											0.2												325		silt diff. Qtz/calcite
93.5	↓			↓	↓	↓					1.5	0.5											326		veins; local fg ore in matrix
95.0	S			gp	hem	Alt gp					1.0			trace	0.5	0.3							14327		
96.5											0.3												328		local OE's evident. Chl-silt-
98.0											0.5					.10							329		mod-str magnetic
99.5											1.0					0.4							330		
101.0											1.0												331		
102.5				pk	hem						1.0					0.4							332		
104.0				pk	↓						1.5	1.0				.10							333		
105.5				pk	hem	Alt gp	B	70			1.5	1.5				.20							14334		Vague lapilli clasts
107.0	SS			gy	chl	Alt gp	B	70								.10							14335		Intermediate lapilli-tuff - ± 0.5% OE
108.5	SS			gy	chl	Alt gp					1.0	0.5	(Abundant)										14336		Exhibit extinct gang-type host; mod
				gy																					magnetic; minor hem in local
																									streaks/patches.
110.5	S			gy	Alt	Alt gp					0.5	0.5											14337		Mod. magnetic - local blue OE
112.70	S	fg		gp	hem	Alt gp					.10					.10							14338*	42	Intermediate lapilli tuff - OE (blue)
																									phyric; mod. magnetic; local bedded
																									altered (fine-grained lapilli?) o.c.
																									strong (SS; OE's (± 1-1.5%) exhibit
																									blue opalescence. Possibly intrusive?

TRADER RESOURCE CORPORATION./ MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				80C															
80.0		14316	0.6	.007		240													
80.6		14317	0.6	.138		4732													
81.5		14318	0.9	.001		35													
83.0		14319	1.5	.001		35													
84.5		14320	1.5	.001		35													
86.0		14321	1.5	.001		35													
87.5		14322	1.5	.001		35													
89.0		14323	1.5	.001		35													
90.5		14324	1.5	.001		35													
92.0		14325	1.5	.001		35													
93.5		14326	1.5	.001		35													
95.0		14327	1.5	.001		35													
96.5		14328	1.5	.006		205													
98.0		14329	1.5	.001		35													
99.5		14330	1.5	.004		135													
101.0		14331	1.5	.002		70													
102.5		14332	1.5	.001		35													
104.0		14333	1.5	.005		170													
105.5		14334	1.5	.001		35													
107.0		14335		.001		35													
108.5		14336	1.5	.001		35													
110.5		14337	2.0	.006		205													
114.7		14338	4.2	.001		35													

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank	—	%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
115.10	S	vfg	bnd	gy	ser	Sltst?	B	80			0.2					1.0							14339		Tuffaceous sediment? V fine grained with fine diss py; calcules Qtz vnlt & QV with 4-5 cm wide ser alt halo, disp weak hem in halo — see scattered blue QE's in alt halo — hdw offset by 10-15° fault (± 4 cm LH offset); alt halo effect creates pseudo vnlt effect. Grading into next unit suggests tops up hole to north
160	S	fmg	bnd	gy	chl	Altgp										.10							14340		Intermed lapilli Tuff - Possibly Sltstgp (ie. sediment) ± 1-1.5% blue QE; mod-str magnetic due to disseminated Mtr; variety of clasts / + sizes
175	S	fg		gy	chl	Alt					0.5					.10							14341		Fewer clasts; pink alblte with QV.
190	S	fg		gy	chl	Alt	B	75			0.2					0.4							14342		str-mod. magnetic; local bands of alblte
196	S	vfg	bnd	gy	chl	Sltst					5.0	1.5				0.2							14343		Tuff - sediment (as above) Chlor + biotitic; folded QV
200					hem	QV					90	1.5		Ank	1.5	1.0							14344		Quartz Vein (colourless) c
200					hem	QV					80	1.5		-	2.5	0.20							14345		lrge chl inclusions & pink alblte local dissem Mt in alblte/carbonate.
220	S	fmg	bnd	gy	chl	Alt					0.2	0.2				.10							14346		Intermed. lapilli tuff
225				gy	chl	Alt					20.0			Ank	0.5	.10							14347		
235				"	"	"					0.2					.10							14348		mod. magnetic
250				"	"	"					0.3					.20		0.2					14349		clasts are Discrim and subrounded; cp in thin bands
265	S	fmg	bnd	gp	hem	Alt	B	80			1.5			Ank	0.5	.10							14350		mod.-magnetic- mod hem.
280		fmg	bnd	gy	hem	Alt	B	60			0.15	0.10				.10							14351		Intermed-lapilli-(graphem) tuff Hematized; local clast 3"

TRADER RESOURCE CORPORATION ✓ MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				ORT															
115·1		14339	0·4	·001		35													
116·0		14340	0·9	·008		275													
117·5		14341	1·5	·003		105													
119·0		14342	1·5	·001		35													
119·6		14343	0·6	·001		35													
120·0		14344	0·4	·001		35													
120·6		14345	0·6	·001		35													
122·0		14346	1·4	·009		310													
122·5		14347	0·5	·001		35													
123·5		14348	1·0	·001		35													
125·0		14349	1·5	·001		35													
126·5		14350	1·5	·001		35													
128·0		14351	1·5	·001		35													

	Rock Description						Structure				Alteration Parameters (%)														
ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
129.5	S	fmg	bnd	dk	hem	Alt																			
131.0		"		dk	"		B	75			1.5					.10							14352		Intermed. (lapilli Tuff - wk - str magnetic
132.75	S	"		dk	"		B	55			0.5					.10							14353		
																							14354		Flat - fractures & veining
134.0	S	fmg	bnd	gy	chl	Alt	B	75			0.5					0.5							N355		Intermediate (apilli Tuff
135.5								65			1.0					0.5							356		Grey, siliceous - dark colour
137.0											2.0		(local garnets)			.10							357		due to disem Mt grains (weak -
138.5											1.0					.5							358		mod magnetic)
140											.10			MB	0.3	.10							359		
141.5											0.2					.4							14360		wkly hematitic
143.0	S	fmg	bnd	dk	hem	Altqp	B	70			0.5					1.0							14361		local minute garnets / wk-mod. magnetic
144.5				"	"	"	B	75			0.2					0.2							14362		minor GVE; local stretch dk. chl frags
146.0				"	"	"										.10							14363		wkly hem! - local garnets - flat fract
147.5				"	"	"																	14364		
149.0	S			"	"	"					2.0					2.0							14365		4" white-colourless QTV (45°) with
																									bleached 2" halo & py.
150.5	S			dk	hem	Altqp	B	80			.10			MB	1.0	0.5							14366		clast/tuff ratio 1:15; local hem in QTV.
152.0							B	75			0.5					1.5							14367		
153.5							B	55			0.5			MB	0.5	0.10							14368		
155.0							B	60								0.2							14369		wk hem
156.5	S			gy	chl	Altqp					.20					.10							14370		Intermed (apilli-tuff - dirty grey
158											1.0	1.0	(T)	MB	1.5	.20							371		as above due to v fg mt speckling;
159.5							B	70			1.5			MB	0.5	0.5							372		pk - str magnetic; local blue QTZ
161.0							B	80			0.5	(T)				0.5							373		local hem QTZ/QTV
162.5											0.2					0.2							14374		grey + blue QTZ
164.0					chl	Altqp																	375		
165.5					ser						0.1					0.10							376		mod magnetic due to diss mt grains
167.0					chl						.					.10							377		
168.5					ser						1.5			MB	1.0	.10							14378		local pink/hem bands;
170.0											0.5												14379		
188.0	S			gy	chl	Altqp	B	65			0.10												14380	10.0	local thin bands of ser/hem (wk)

wk - mod. magnetic - due to diss mt XtalS (1-5%)
Local alteration (ie. coated Xtals)

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				001															
129.5		14352	1.5	.001		35													
131.0		14353	1.5	.001		35													
132.75		14354	1.75	.001		35													
134.0		14355	1.25	.001		35													
135.5		14356	1.5	.001		35													
137.0		14357	1.5	.001		35													
138.5		14358	1.5	.001		35													
140.0		14359	1.5	.001		35													
141.5		14360	1.5	.001		35													
143.0		14361	1.5	.001		35													
144.5		14362	1.5	.001		35													
146.0		14363	1.5	.001		35													
147.5		14364	1.5	.001		35													
149.0		14366	1.5	.017		585													
150.5		14366	1.5	.001		35													
152.0		14367	1.5	.001		35													
153.5		14368	1.5	.001		35													
155.0		14369	1.5	.001		35													
156.5		14370	1.5	.001		35													
158.0		14371	1.5	.001		35													
159.5		14372	1.5	.001		35													
161.0		14373	1.5	.001		35													
162.5		14374	1.5	.001		35													
164.0		14375	1.5	.001		35													
165.5		14376	1.5	.001		35													
167.0		14377	1.5	.001		35													
168.5		14378	1.5	.001		35													
170.0		14379	1.5	.001		35													
180.0		14380	10.0	.001		35													

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
181.50	S	fg		gy	chl	4fgfp	B	70			2.5	1.0		MB	1.5	.10							14381		Intermed. Tuff – s.lict + chl ± QE QV with chl, pink alb + minor tourm + epid (?); chl fractures in larger QV.
182.55						QV	V	70			95.0			MB	20		(1-2% tourm.)						14382		
189.30	S	fmg	fpop	gy	sil	4fgfp	B	70			0.10												14383*	6.75	Intermediate Tuff- QE (blue grey) + wht fsp porphy, 1-15% combined; local streaks of hem alt'n. Wk-mod magnetic due to wk speckling fine. sheath(?) lapilli?
197.0	S	fmg	pop	gy	chl	4fgfp	B	70			.20					.20							14384*	7.7	Intermed. Tuff - porphy. as above. minor QV ± py; wk-mod magnetic due to discem alt grading (fsp)
199.50					chl	QV	V	70			75.0	1.0		MB	0.5	1.0							14385		Quartz Vein with local hem patches of black tourmaline + chlorite in 4f unit; mod. magnetic due to discem f.g. alt XCBS
199.70	S	fmg	pop	gy	chl	4fgfp	B	70								0.5							14386		Intermed – felsic tuff – porphyritic in QE + wht/pink albite flds (10-15% combined); mod. magnetic
200.5	S	fmg	porp	pk	hem	4fgfp										0.5							14387		Hematized / epidotized porphy. Intermed – felsic tuff. VFG py + epid in late fractures; fine to coarse grained albite
201.5	S	fmg	"	gy	chl	4fgfp					0.10	(incl epid)				0.10							14388		
203.0	S	"	porp	pk	hem	4fcfp						0.10				0.10							14389		1% epid fractures – wk-mod magnetic
205			fpop	pk	hem	4fgfp	B	70								1.0							14390		wkly hem – epid fract. 10-20% blend.
206.0	S	"	fpop		chl	"	B	70								2.0							14391		ALBITIZATION + Py on edge of QV & chl fract. Mod-str magnetic

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				OPT															
181.5		14381	1.5	.001		35													
182.55		14382	1.05	.001		35													
189.3		14383	6.75	.001		35													
197.0		14384	7.7	.001		35													
197.5		14385	0.5	.001		35													
199.7		14386	2.2	.001		35													
200.5		14387	0.8	.001		35													
201.3		14388	0.8	.001		35													
203.0		14389	1.7	.001		35													
204.5		14390	1.5	.001		35													
206.0		14391	1.5	.001		35													

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
201.5	S	fmg	porp	gy	chl	Alfp					0.25					0.5							14392		Intermed-felsic Porphyry Lapilli Tuff
209.0	↓	↓	↓													0.10							393		Porph in whitish plagio (1-10%) +
210.5											0.30					2.0							394		1-4% colourless-fine QE, altered
212.0							B	70			1.5	(local qtz)				2.0							395		pt magnetic lapilli-tuff (± 5% clasts-
213.5											0.3					1.0							396		fine pt. wkly-mod. magnetic, local
215.0	↓	↓	↓	gp	hem	Alfp										0.5							14397		wk hem alt, local pink fine grnds.
																									Py as disseminations in cmdic bands
																									-locally
216.5		fmg	porp	gy		qlfp										1.0							14398		pt clasts - mod. magnetic
218.0		↓	↓	gy		↓										.5							399		Local hmgm (needles-Chl) in qtz/Qz veinlets
219.5				wk	ser											1.0							400		60° fault @ 218.6m - rubble
221.0		↓	↓	gy		↓					2.0		ANK	1.5		0.2							14401		
222.5						Alfp	B	65			0.1	(t)				0.5							14402		F.g to c.g. albite xtals (whitish-pink)
224.0											0.3					0.5							403		
225.5				gy	chl											1.0							404		Shrd siliceous
227				gy	chl		B	70								1.5							405		
228.5											2.0					1.5							406		mpk (mod. calc) Shrd QE,
230											2.0					1.0							407		wk hem
231.5	S	fmg	pmk	gp	sil						2.5					2.5							14408		silic & wk hem (pink tint) = shrd
233.0	↓	↓	↓	gp	sil	qlfp					0.2					3.0							14409		mod. magnetic, white to pink fg-cg
																									albite + blue QE (local)
233.86		fmg	porp	gy	sil	Alfp										0.5							14410		diseam albite + patches (wk pink tint)
234.28	S	↓	porp	yp	ALR	Alfp										0.5							14411		ALTERED/ Serialized (Bleach) / Hem.
234.32	SSS					fault	F	77																	FAULT GOUGE
236.0		fg	porp	pg	HEM	Alfp					0.15					0.2							14412		Silicified-porphyritic Tuff?
																									mod. magnetic. 1-10% albite xtals
239.0	S	fg	porp	gp	SIL	Alfpp										0.3							14413	3.0	Silic & bleached Hem Porphyry tuff
																									wkly magnetic
240.5	S	fg	porp	gy	SIL	Alqfp	B	70			0.3					0.5							14414		± 1-8% Qtz blebs
241.0		fg	-	pg	HEM	↓	B	70															14415		Hemathized + silic. + albitized
243.5				gp		u					0.25					0.5							14416		DK due to diff. bottle - wk-mod magnetic
245.0	S	fg	Lmd	gy	ht	Alfp										0.25							14417		minor albite xtals
246.6	↓	w	Lmd	gp	ht	Alfp	B	65			0.10					0.15							14418	1.0	

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				OPT															
207·5		14397	1·5	·001		35													
209·0		14393	1·5	·001		35													
210·5		14394	1·5	·001		35													
212·0		14395	1·5	·001		35													
213·5		14396	1·5	·001		35													
215·0		14397	1·5	·001		35													
216·5		14398	1·5	·001		35													
218·0		14399	1·5	·001		35													
219·5		14400	1·5	·001		35													
221·0		14401	1·5	·001		35													
222·5		14402	1·5	·028		960													
224·0		14403	1·5	·001		35													
225·5		14404	1·5	·001		35													
227·0		14405	1·5	·001		35													
228·5		14406	1·5	·001		35													
230·0		14407	1·5	·001		35													
231·5		14408	1·5	·002		70													
233·0		14409	1·5	·001		35													
233·86		14410	0·86	·003		105													
234·28		14411	0·42	·002		70													
236·0		14412	1·72	·002		70													
239·0		14413	3·0	·002		70													
240·5		14414	1·5	·002		70													
242·0		14415	1·5	·007		240													
243·5		14416	1·5	·002		70													
245·0		14417	1·5	·001		35													
246·0		14418	1·0	·005		170													

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] — Page 11 of 12

	Rock Description						Structure				Alteration Parameters (%)														
ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
251.5		fg	pxp	pk	Hem	Alt fgp	F	70				0.5											[redacted]		Hem + silic (wk magnetic)
253.0	S	fg	pxp	yb	hem	Alt fgp df	b	70			.10					.10							[redacted]	35	Intermed - felsic Porphy. Tuff Moderated by bt + hem (alt) alter - silic (wk magnetic)
253.5		fmg	pxp	gp	hem	Alt fgp										.10							[redacted]		- minor lapilli ??
254.0		"	"	"	"	" df	B	65	V	65	0.4					0.5							[redacted]		pitted QV
255.5		fg	pxp	gp	Sil	Alt gp										1.5							[redacted]		Mod magnetic (1-4% albite)
257.0		fg	pxp	gp	Sil	" df	B	60	V	50	0.5	0.5				2.5							[redacted]		Silic + bkn + ser (aphanitic - flossy) vfg py in dkt patch + mod'g aphan silic + sericite
258.0		vfg		gy	sil	Alt					0.2	0.2		MOD	0.2	3.5							[redacted]		Silic/clessey - dk with sericite on fract and pl(lath)) V. mildly magnetic
258.90		fg		gy	Sil	Alt fgp						0.1		MOD	0.2	1.5							[redacted]		1-2% fgp Xtals - strong silic + dk colour
260.0		fg	pxp	PK	Hem	Alt fgp	B	65															[redacted]		Hem + silic; 1-5% albite
261.5				pk	Hem	Alt fgp	B	60			0.2					0.5							[redacted]		Patches of hem; 8% combined Xtals
263.0		fg	pxp	gy	bt	" df																	[redacted]		- mod magnetic
263.82					bt	"										0.4							[redacted]		wkly bleached
264.10		"	"	pk	Hem	Alt fgp										1.5							[redacted]		Silic + hem
265.0		"	"	gp	sil	Alt fgp					0.3					0.5							[redacted]		wk bleached
266.0		vfg	Lmd	fg	hem	Alt fgp	B	75								.10							[redacted]		Fig. to aphan, banded - hematite
267.5		"	"	"	"	" df										.20		.10					[redacted]		
269.0		vfg	"	pk	hem	Alt	B	80			2.0	Bleached				.15							[redacted]		Bleaching on 4" QV; minor albite Xtals fine QE
270.5		fg		gy	chl	Alt gp										.10							[redacted]		
272.0		fg	"	fy	"	" df	B	60			1.5					.20							[redacted]		wk ser; flat QV ± chlor + calcite
273.5		fg	Lmd	gy	chl	"	B	75			2.0					1.5							[redacted]		wk mtic; local blue QE; local bleaching
275.0		fg	Lmd	gy	bt	Alt gp	B	60			0.5					2.5							[redacted]		1-3% mg. blue QE.
276.5		"	Lmd	gy	"	" df	B	65			0.4					2.5							[redacted]		blue QE
277.7		"	"	gy	sil	"					0.4					0.5							[redacted]		- more albitization
279.50			pxp	fg	hem	Alt fgp	B	70			1.5					0.4							[redacted]		Hem + silic., banded; minor chert beds ise bleached chl in QV
282.15			Lmd	gy		Alt fgp	B	60			0.10	0.5				0.15							*[redacted]	3.05	Lapilli and local chert (2cm) bands chl-bleached; mod. hem
284.0		fg	Lmd	gy	MOD	Alt fgp					0.15					0.5							[redacted]		Albitized / silic; local thin chert bands - X-cleavage (local); wk mtic
285.5		fg	Lmd	gy	MOD	"	B	65			0.10					0.4							[redacted]		- chert beds (3%)

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
247.5		14419	1.5	.029		925													
251.0		14420	3.5	.005		170													
252.5		14421	1.5	.001		35													
254.0		14422	1.5	.002		70													
255.5		14423	1.5	.003		105													
257.0		14424	1.5	.005		170													
258.0		14425	1.0	.005		170													
258.9		14426	0.9	.012		410													
260.0		14427	1.1	.004		135													
261.5		14428	1.5	.005		170													
263.0		14429	1.5	.003		105													
263.82		14430	0.82	.012		410													
264.1		14431	0.28	.007		240													
265.0		14432	0.9	.001		35													
266.0		14433	1.0	.002		70													
267.5		14434	1.5	.001		35													
269.0		14435	1.5	.001		35													
270.5		14436	1.5	.004		135													
272.0		14437	1.5	.001		35													
273.5		14438	1.5	.006		205													
275.0		14439	1.5	.001		35													
276.5		14440	1.5	.001		35													
277.7		14441	1.2	.001		35													
279.8		14442	2.1	.001		35													
282.85		14443	3.05	.002		70													
284.0		14444	1.15	.001		35													
285.5		14445	1.5	.001		35													

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] — Page 12 of 12

	Rock Description						Structure				Alteration Parameters (%)														
›ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
287.0		fg	prp	gy	chl	4tfgp	B	65								1.0							14446		DK, wkly hem; siliceous
288.5				gy	chl	" gp										1.20							14447		wkly ser. near a.c., 20°-joints
290.0		fg		gy	sil	"					1.5					1.5							14448		local dk (bt) ± blue qtz
291.5	S	fg	prp	bn	sil	"	B	60			2.5					2.0	(vfg)						14449		destained by bt; 1-15% phenos
293.0		fg	brn	gy	bt	4tfgp					2.5	0.5				2.0							14450		minor aphan. dest bands; blue qtz wk-mod magnetic
294.5	S	fg	brn		bt	4tfgp	B	70			1.5	(TTS)				2.5							14451		DK mod magnetic
296.0		"	"		bt	"										2.0							14452		silic./dk & prpl (qtz); local ese chl or bt blades in qtz
297.0	S	fg		gy	bt	4tgfp										1.0							14453		Dark, bt (mod magnetic) 1-10% pheno.
EOH																									

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				001															
287·0		14446	1·5	·006		205													
288·5		14447	2·5	·001		35													
290·0		14448	0·5	·001		35													
291·5		14449	1·5	·003		105													
293·0		14450	1·5	·001		35													
294·5		14451	1·5	·001		35													
296·0		14452	1·5	·002		70													
297·0		14453	1·0	·001		35													

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: Dec 11/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Ag ppm	Cu ppm	Zn ppm		
1	D-14251	<.001	<35					
2	52	.002	70					
3	53	.001	35					
4	54	<.001	<35					
5	55	.001	35					
6	56	.002	70					
7	57	.015	515					
8	58	.016	550					
9	59	.010	340					
10	60	.001	35	0.6	91.	720.		
11	61	.007	240	1.6	123.	640.		
12	62	.262	-	1.8	41.	150.		
13	63	.013	445	2.2	33.	93.		
14	64	.063	2160	0.4	13.	54.		
15	65	.001	35	2.2	21.	190.		
16	66	.064	2190	0.5	30.	530.		
17	67	.007	240	0.4	89.	230.		
18	68	.001	35	0.7	158.	220.		
19	69	<.001	<35	0.6	75.	210.		
20	70	.006	205	0.7	87.	920.		
21	71	.002	70	1.7	300.	530.		
22	72	.002	70	0.7	99.	320.		
23	73	<.001	<35	0.7	89.	310.		
24	D-14274	.012	410	1.1	146.	330.		

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: Dec 11/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14275	<.001	<35					
2	76	<.001	<35					
3	77	<.001	<35					
4	78	<.001	<35					
5	79	<.001	<35					
6	80	<.001	<35					
7	D-14281	<.001	<35					
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: DEC 10/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	Ag ppm	Cu ppm	Zn ppm	
1	D-14282	<.001	<35					
2	83	<.001	<35					
3	84	<.001	<35					
4	85	<.001	<35					
5	86	<.001	<35		0.7	141.	1200.	
6	87	<.001	<35					
7	88	<.001	<35					
8	89	<.001	<35					
9	90	<.001	<35					
10	91	<.001	<35					
11	92	<.001	<35					
12	93	<.001	<35					
13	94	<.001	<35					
14	95	<.001	<35					
15	96	<.001	<35					
16	97	<.001	<35					
17	98	<.001	<35					
18	99	<.001	<35					
19	14300	.001	35					
20	01	<.001	<35					
21	02	<.001	<35					
22	03	.001	35					
23	04	.004	135					
24	D-14305	.010	340					

Lab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: Dec 10/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14306	.047	1610					
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
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23								
24								

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: DEC 11/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14307	.002	70					
2	08	<.001	<35					
3	09	.006	205					
4	10	.002	70					
5	11	.012	410					
6	12	.003	105					
7	13	.010	340					
8	14	.004	135					
9	15	<.001	<35					
10	16	.007	240					
	17	.138	—					
12	18	<.001	<35					
13	19	<.001	<35					
14	20	<.001	<35					
15	21	<.001	<35					
16	22	<.001	<35					
17	23	<.001	<35					
18	24	<.001	<35					
19	25	<.001	<35					
20	26	<.001	<35					
21	27	<.001	<35					
22	28	.006	205					
	29	<.001	<35					
24	D-14330	.004	135					

Lab16

Chief Chemist: _____

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: Dec 11/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14331	.002	70					
2	32	<.001	<35					
3	33	.005	170					
4	34	<.001	<35					
5	35	<.001	<35					
6	36	<.001	<35					
7	37	.006	205					
8	38	<.001	<35					
9	D-14339	<.001	<35					
10								
11								
12								
13								
14								
15								
16								
17								
18								
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21								
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23								
24								

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: Dec 11/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14340	.008	275					
2	41	.003	105					
3	42	<.001	<35					
4	43	<.001	<35					
5	44	<.001	<35					
6	45	<.001	<35					
7	46	.009	310					
8	47	<.001	<35					
9	48	<.001	<35					
10	49	<.001	<35					
11	50	<.001	<35					
12	51	<.001	<35					
13	52	<.001	<35					
14	53	<.001	<35					
15	54	<.001	<35					
16	55	<.001	<35					
17	56	<.001	<35					
18	57	<.001	<35					
19	58	<.001	<35					
20	59	<.001	<35					
21	60	<.001	<35					
22	61	<.001	<35					
23	62	<.001	<35					
24	D-14363	<.001	<35					

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: DEC 11/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14364	<.001	<35					
2	65	.017	585					
3	66	<.001	<35					
4	67	.001	35					
5	68	.001	35					
6	69	<.001	<35					
7	70	<.001	<35					
8	71	.001	35					
9	72	<.001	<35					
10	73	<.001	<35					
11	74	<.001	<35					
12	75	<.001	<35					
13	76	<.001	<35					
14	77	<.001	<35					
15	78	<.001	<35					
16	79	<.001	<35					
17	80	<.001	<35					
18	81	<.001	<35					
19	82	<.001	<35					
20	83	<.001	<35					
21	84	<.001	<35					
22	85	<.001	<35					
23	86	<.001	<35					
24	D-14387	<.001	<35					

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: DEC 11/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14388	<.001	<35					
2	89	<.001	<35					
3	90	<.001	<35					
4	91	<.001	<35					
5	92	<.001	<35					
6	93	<.001	<35					
7	D-14394	<.001	<35					
8								
9								
10								
11								
12								
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20								
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24								

Lab16

Chief Chemist: _____

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: DEC 14/9

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14395	<.001	<35					
2	96	<.001	<35					
3	97	<.001	<35					
4	98	<.001	<35					
5	99	<.001	<35					
6	14400	<.001	<35					
7	01	<.001	<35					
8	02	.028	960					
9	03	<.001	<35					
10	04	<.001	<35					
11	05	<.001	<35					
12	06	<.001	<35					
13	07	<.001	<35					
14	08	.002	70					
15	D-14409	<.001	<35					
16								
17								
18								
19								
20								
21								
22								
23								
24								

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: 1 Dec 15/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14410	.003	105					
2	11	.002	70					
3	12	.002	70					
4	13	.002	70					
5	14	.002	70					
6	15	.007	240					
7	16	.002	70					
8	17	.001	35					
9	18	.005	170					
10	19	.027	925					
	20	.005	170					
12	21	.001	35					
13	22	.002	70					
14	23	.003	105					
15	24	.005	170					
16	25	.005	170					
17	26	.012	410					
18	27	.004	135					
19	28	.005	170					
20	29	.003	105					
21	30	.012	410					
22	31	.007	240					
23	32	<.001	<35					
24	D-14433	.002	70					

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: DEC 15/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14434	<.001	<35					
2	35	<.001	<35					
3	36	.004	135					
4	37	.001	35					
5	D-14438	.006	205					
6								
7								
8								
9								
10								
11								
12								
13								
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20								
21								
22								
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24								

Lab16

Chief Chemist: _____

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: DEC 15/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14439	<.001	<35					
2	40	<.001	<35					
3	41	<.001	<35					
4	42	<.001	<35					
5	43	.002	70					
6	44	<.001	<35					
7	45	<.001	<35					
8	46	.006	205					
9	47	<.001	<35					
10	48	<.001	<35					
11	49	.003	105					
12	50	<.001	<35					
13	51	<.001	<35					
14	52	.002	70					
15	53	<.001	<35					
16	54	<.001	<35					
17	55	<.001	<35					
18	56	<.001	<35					
19	57	.002	70					
20	58	.002	70					
21	59	<.001	<35					
22	D-14460	<.001	<35					
23								
24								

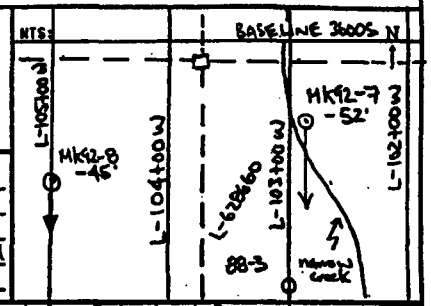
RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — Project No: 2703 — Category: — Page 1 of 6

HOLE #: [redacted] NORTHING: [redacted] Surveyed EASTING: [redacted] ELVN: [redacted] LENGTH: [redacted]

TWP: Hislitzell — Drilled by: Bradley Bros — Logged by: P.COAD — Start: DEC.7,1992
Claim: L-628655 — Core Stored: Timmins — Casing/Size: 10m BW (left in) — Finish: DEC.9,1992

ist	Azim	Dip	Dist	Azim	Dip	Dist	Azim	Dip	Dist	Azim	Dip
)	150°	-45	200	203	-43						
0	155	-46.5									
0	191	-45									

Purpose/Results: To test gold-bearing structure 210 m to the west of fence marked by MK92-7 and 88-3 on L-103+00 W; Intersected a structured QTZ ZONE AT 29.0-39.75 m (10.7m) with 32% Qtz and 3% Py, however returned only 235 ppb Au, but 750 ppb Au (*) over 45m at 108.5-113.0 m in clastic tuff sediment, see log for detail. 1:5000



ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments * DENOTES GEOCHEM SAMPLE
10.0						CASE																			clay/overburden
12.5	S	fg		pk	hem	4fgp	B	60			1.0	(t)				0.60							144554	2.5	Intermed - Felsic Porphyritic (QSE) Tuff Siliceous & hematized; Silk-mod. intense due to fine grain dust mt Pass to brecciated lapilli
20.0	S	fg	bnd	gy		4fgp	B	52			1.5	(t)				0.10							144555	7.5	Grey - due to mt speckling; local folding
21.5		fg	bnd	pk	hem	4fgp						0.5											144556		Hocky due to flat joints
23.0				gy		4fgp uBP	B	70			0.5					0.10							144557		mod. magnetic
24.5		fg	bnd	gy		4fgp																	144558		local lapilli - clasts
26.0	S	fg	bnd	gy		4fgp										0.15							144559		mod magnetic
27.30	S	fg	bnd	gp	hem	4fgp					0.10	0.10				0.10							144560		mod - str O magnetic
28.50		vfg	bnd	pg	hem	4fgp	B	72			1.0	0.20				0.30							144561		Intermed - felsic tuff or sed - diss hem
31.0	S	fg		gp	sil	4fgp	F	80			1.5					0.5							144562	0.5	Irony Fm (mod. magnetic) Finely banded Smell stretched lapilli
30.0	S	vfg		pk	hem	QZONE	F	70			15.0	2.0		Alb	4.0	2.5							144563	1.0	Pitted calcules - white-pink-clr, folded QTZ host is hematitic tuff/sed. Fg-cg rock poly
31.0	SS	"	bnd	pk	hem	QZONE	F	70			10.0			fuy	1.5	0.5							144564	1.0	local green and opal/tuff inclusions in QTZ
32.0	SS	fg	folded		ser	QZONE	F	75			95.0	3.5		fuy	2.0	8.0							144565	1.0	Pitted QTZ & fuyu chl, blk carbon (mica)
33.0	SS	fg	foli		ser	QZONE	F	55			45.0			Alb fuy	4.0 1.5	2.5							144566	1.0	disseminated in bleached matrix - 10° joint buff v light green silt (sericite)
34.0	SS	vfg	foli		ser	QZONE	F	65	V	40	90.0			fuy	3.0	3.0		(4% chlor)					144567	1.0	bleached/buff alt. matrix
35.0	S	fg		pk	hem	4fgp	B	40			0.3					5.0							144568	1.0	Fg (porph?) BP, wishy hem. tuff/sed with

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				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
)ist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				007															
2.5		14454	2.5	.001		35													
20.0		14455	7.5	.001		35													
21.5		14456	1.5	.001		35													
23.0		14457	1.5	.002		70													
24.5		14458	1.5	.002		70													
26.0		14459	1.5	.001		35													
27.3		14460	1.3	.001		35													
28.5		14461	1.2	.012		410													
29.0		14462	0.5	.001		35													
30.0		14463	1.0	.003		105													
31.0		14464	1.0	.001		35													
32.0		14465	1.0	.018		615													
33.0		14466	1.0	.004		135													
34.0		14467	1.0	.005		170													
35.0		14468	1.0	.004		135													

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sample#	Wth	Comments
36.0	SS	fg	fold	py	hem	QZONE			V	70	35	40		Tour	4	3.5							14496	1.0	Complex folding. Slk bnmn in bedding (medium Gault-fmen mangin). 35cm of pink felt & diss fg py. Cin-ct (vein)
37.0	SS	fg	fold	py	sil	QZONE			V	55	30	45		tour	2.5	4.0							14497	1.0	Silic? Sericitized hem wallrock. Fault @ 36.6 (gauge C50°), fg. fg cg py.
38.0	SS	fg	bnd	gp	hem	Altgp			F	60	0.5	0.2		tour	1.0	1.0							14498	1.0	Red- slr magnetic, ac. marked by 20° bnd F/slip
38.70	SSS	fg		pk	hem	fault			F	90	30.0	30.0	(Ank)	tour	10.0	2.5							[illegible]	0.30	fault (70°) in hem/silic alt
39.0	SS	fg	bnd	pk	hem	QZONE	F	60			10.0	12.0		tour	3.0	5.0	(silver-grey metallic flakes)						14499	0.30	Fault (gouge in hem alt; slks & bnd
39.75		vfg		py	sil	QZONE	F	40			15	2.5		NS	15								14491	0.75	Silic/bleached host, 2.5% fmem, minor carbon
40.15	SS	fg		pk	hem	Altgp					0.10					0.10							14495		
40.65	SSS	fg		py	hem	FZONE	F	20			5.0			NS	2.0	2.0							14496		Rubble/gouge/mud, silic & bleached
41.0	SS	fg	bld	gy	chl	Alt					25	20		tour	4.0	2.5							14497		Pale-orange GRZ/clb/calc vein?
42.0		fg	bnd	gp	hem	Alt	B	60			0.25					1.0							15251		Finely banded, wk-mod mtic; clean
43.0		fg	bnd	gp	hem	Altgp	B	35			0.25												15252		mod. magnetic
44.0		"	"	"	"	"	B	30			2.5	(SHT) Calc				0.20							15253		local fine GF. lapilli-clasts (1-7%) stretched flat fractures
45.9		fg		pk	hem	Altgp					1.0	1.5		NS	1.0	0.30							15254		flat-structures ± calcite (pink) + GRZ Mod Mtic - local clay on flats
47.26		fg		gp	hem	Altgp	B	65								0.30							15255		wk-mod. mtic; ac. fault/slip C 15°
48.50				gp	"	"						0.5				0.30							15256		mod-mtic
50.0		fg		pk	"	"	B	70			0.10	0.5				0.40							15257		

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				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				005															
36.0		14469	1.0	.007		240													
37.0		14470	1.0	.008		275													
38.0		14471	1.0	.007		240													
38.3		14472	0.3	.022		755													
39.0		14473	0.7	.008		275													
39.75		14474	0.75	.006		205													
40.15		14475	0.4	.001		35													
40.65		14476	0.5	.008		275													
41.0		14477	0.35	.009		310													
42.0		15251	1.0	.002		70													
43.0		15252	1.0	.001		35													
44.0		15253	1.0	.001		35													
45.9		15254	1.9	.001		35													
47.26		15255	1.36	.001		35													
48.5		15256	1.24	.006		205													
50.0		15257	1.5	.001		35													

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	Rock Description						Structure				Alteration Parameters (%)														
ist	Com	Grs	Text	Co	Alt	Name1	B	Al	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
												Ank													
52.0	SS	fg	bnd	pk	hem	4ltgp					0.15	3.0				0.25							15258		flat lyst & pnk calcite + epid, mod. mitc
60.0		fg		gy	dol	4tgp	B	70			0.50					0.50							15259*	8.0	Approx 3% thinly stretch lapilli wk-mod silic; wkly hem; local dk (hand) bands mean occ. areas.
61.5		fg	bnd	pgy	hem	4ltgp	B	75			0.5					0.20							15260		local hi-t calcite spotted
62.5		"	"	pk	"	"	B	66			1.0	0.2											15261		25-30% lapilli (stretched - mod)
63.5		"		gp	hem	4ltgp	B				0.3												15262		mod. magnetic; minor thin qtz
65.0				gy	"	"	B				0.5					0.5							15263		
66.5				pk	"	"	B				0.5					0.10							15264		mod magnetic
68.0	S	fg	bnd	pgy	"	4ltgp	B	66				0.5											15265		
69.5				pk	"	4ltgp	B	85				1.5				0.10							15266		± 1-3% dkbrk Xlets; lapilli
73.5		fg	purp	gy	dol	4tgfp	B	70								0.10							15267*	6.0	silicified; 1-20% wkchlrk clts; wk hem wk magnetic
74.0		fg	purp	py	hem	4ltgp	B	75			20			hem	20	2.5							15268		Approx 1-2.5% clts. - local hem/bleach local green mica zst in alt halo
74.5		fmg	purp	pk	hem	4ltfp	F	80			0.1					3.0							15269		1-10% clS Xlets
75.5		"	"	"	"	"	F	60			2.5	4.5		hem	2.0	5.0							15270		silic. / bleached; 10 cm complex dirty calcite / qtz / hem / py vein + 0.5m interval of bleaching / silic / hem / py
77.0		fmg	purp	pk	hem	4tfgp	F	80				0.5				0.40							15271		1-15% clS Xlets (se-elbitzed); mild mitc
77.7		"	"	gp	"	"						1.0				0.3							15272		grey-pink; 1-8% clS
78.5		"	"	pg	"	4tfgp	F	66				2.5		hem	0.5	8.0							15273		3" bleached pink/orange halo on qtz-clS Xlets more diffuse here; ragged fg-mg. py; mod. mitc except in most bleached areas
79.0		vfg		rd	hem	4tgp		60			15	1.5		mus	10	3.5							15274		11 cm patchy silica / albite vein (bleached) with ragged py; ± 0.5% clS Xlets.

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				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sample#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				OPC															
52.0		15258	2.0	.002		70													
60.0		15259	8.0	.001		35													
61.5		15260	1.5	.001		35													
62.5		15261	1.0	.005		170													
63.5		15262	1.0	.001		35													
65.0		15263	1.5	.001		35													
66.5		15264	1.5	.001		35													
68.0		15265	1.5	.001		35													
69.5		15266	1.5	.001		35													
73.5		15267	4.0	.020		685													
74.0		15268	0.5	.055		1890													
74.5		15269	0.5	.002		70													
75.5		15270	1.0	.031		1060													
77.0		15271	1.5	.001		35													
77.7		15272	0.7	.001		35													
78.5		15273	0.8	.006		205													
79.0		15274	0.5	.007		240													

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Dist	Rock Description: Com	Grs	Text	Co	Alt	Name1	Structure: B	A1	F	A2	Alteration Parameters (%): Qtz	Cal	Ank		t	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sample#	Wth	Comments
80.5		fmg	porph	gp		4tfp					0.10	0.10				0.20							15275		clbs-hzed; 1-10% dk lapilli mod magnetic
81.5			porph	gy	chl	4tfp					0.5	0.3		fuw	0.10	0.40							15276		lapilli-tuff c 1-15% clbs & 1-5% QE
83.0				gy		"										0.30							15277		Mod mtic
84.5			↓	gy	↓	"	B	70			0.5	1.5				0.10							278		
85.4				gy		"										0.30							15279		local clbs QE
86.5		fg	"	dk	hem	"	B	70				0.10				0.10							15280		
87.90	SS	"	"	dk	hem	4tfp				(4)	0.5	1.0				0.40							15281		
89.0						2tf(A)										.10							15282		1-4% clbs, wkly hem flat jointing
90.5	SS	fg	porph	gy	chl	4tfp					0.5	1.5				2.0							15283		cse clasts (clbs+chl)
91.50		fg	"	gy	chl	4tfp					0.5					1.5							15284		1-4% clbs
93.50		fmg	porp	gy	hem	4tfp	F	75			0.10					0.10							15285		clbs QE stringers. silic & hem pres light kaolinic alteration; columnar & flow QE wk magnetic
96.5		fmg	porp	py	hem	4tfp	F	70			0.5					0.10							15286	3.0	local flow QE; 1-20% clbs-local patches + dissem in matrix & local grad
98.0		fmg	porp	gy	chl	4tfp	F	70								0.10							15287	1.5	1-5% diffuse clbs
99.5		fg		gy	chl	4tfp				(4)	2.5					0.10							15288		Grey-green tuff - poss sed(?)
101.0		"	plmp	"	"	4tfp					0.5					0.20							15289		1-2% clbs xtals
102.15		"	"	gy	chl	4tfp					2.0	2.5				0.5							15290		10 cm patch of clbs-chl, rept to QVE chl
103.5		fg	"	gy	chl	4tfp										0.2							15291		local 25% fract & wk hem halo; 1% clbs
104.10		fg	"	dk	hem	4tfp										0.5							15292		mod magnetic, 30° joint steps
105.5		"	"	dg	hem	"					.15					0.5							15293		hem in fract (halos) & in clasts QV
107.0		"	"	gy	chl	"										0.5							15294		1-10% clbs
108.5		fmg	"	"	"	"					0.4					1.0							15295		1-25% clbs (patches) - mod mtic; silici.
109.5	/	fmg	"	gp		"					0.10	0.10				0.5							15296		wkly hem
116.60		fg		gy	ser	4tfp										.10							15297		grey-yell colour; vfg QEV clb-sed lapilli wkly hem.
113.0		fmg	porp	dg	hem	4tfp	F	75			0.25					0.40							15298		Hyper lapilli, 1-15% fg-cg clbs;
114.5		"	porp	dk	hem	4tfp					0.5	2.0				0.25							15299		silic. HBD, 1-15% cgl clbs
115.40		"	"	"	"	"										0.50							15300		1-20% clbs, mod-str magnetic clbs are white to pale green.

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ist	Namel	Sampl#	Width	Au (g/T) nfa	Au (g/T) cfa	Au ppb	Cu %	Cu ppm	Zn %	Zn ppm	Pb %	Pb ppm	ppm Ag	ppm Ni	ppm Co	ppm As	% SiO2	% Na2O
				QT														
80.5		15275	1.5	.032		1100												
81.5		15276	1.0	.008		275												
83.0		15277	1.5	.005		170												
84.5		15278	1.5	.003		105												
85.4		15279	0.9	.002		70												
86.5		15280	1.1	.003		105												
87.9		15281	1.4	.010		340												
89.0		15282	1.1	.001		35												
90.5		15283	1.5	.001		<35												
91.8		15284	1.3	.002		70												
93.5		15285	1.7	.001		<35												
				QT														
96.5		15286	3.0	.001		35												
98.0		15287	1.5	.010		340												
99.5		15288	1.5	.008		275												
101.0		15289	1.5	.002		70												
102.15		15290	1.15	.003		105												
103.5		15291	1.35	.003		105												
104.1		15292	0.6	.002		70												
105.5		15293	1.4	.001		<35												
107.0		15294	1.5	.001		35												
108.5		15295	1.5	.001		35												
109.5		15296	1.0	.016		550												
110.6		15297	1.1	.024		825												
113.0		15298	2.4	.025		855												
114.5		15299	1.5	.003		105												
115.4		15300	0.9	.005		170												

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	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sample#	Wth	Comments
125.0		fg	porph	gy	chl	4ltfp	B	75			0.35	0.2				0.10							15301*		1-3% clb; <2% lapilli; tr qtz - wk hem & chl @ 118.5. fault (60°) with qtz/carb vn @ 124.20.
126.06		fg	porph	gy	hem	4ltfp					0.5					0.10							15302		1-7% calcite xtals - opal?
126.27	S	fg	"	gy	spd	FZONE	F	70				0.5				.10							15303		Angular frags in opal/silica/fine matrix.
128.0		fg	"		chl	4ltfp					0.10					0.5							15304		1-3% calcite. opal; wk hem
129.5		vfg	"	gy	chl	4ltfp					0.20					0.4							15305		green-green (fg) ± 2 patches of dk chl/hz (i.e. single zone in dk grey-purple matrix) vfg py assoc.
130.60		fg	"	gy	chl	4f					7.0	1.5		trace	1.5	0.10							15306		minor clb xtals; 10 cm qtz-calcite-tourm vein ± wk hem halo (S+f)
135.5		fg	porph	gy	chl	4ltfp					0.25					0.5							15307*	8.1	Possibly S+. albitized (discont patches/bands (1-15% fg-cg albite) Mod magnetic
139.0		fg		gy	chl	4f					1.5	3.5 (Ank)				0.10							15308		minor albite xtals,
140			porp	gy	chl	4f...										0.10							15309		0.5-1.0% clb.; siliceous matrix
141.60		fg	porp			4ltfp										0.5							15310		albitized - discern xtals + patches
141.70		fg	"	gy	chl	4ltfp					1.0	1.5				0.5							15311	0.30	
150.5		fg	porp	gy	chl/hem	4ltfp	B	60			0.10					0.20							15312*	8.8	wk-mod magnetic; 1-15% med. grain
151.50		vfg	"	gy	chl	"					2.0	1.5				0.40							15313		albite. local blue QTZ
153.50		vfg		gy	chl	4f										.10							15314		Siliceous, dk chl tuff - minor blue QTZ + albite
155.0		m		"	"	"					1.5	1.0				2.0							15315		Py in thin (+) fract - local ± chl + QTZ
156.0		"		"	"	"	B	65								0.5							15316		minor albite phenos
157.0				gy		QZONE	V	80	fold	ing	30	2.5				3.0							15317		Leached halos (S+f veins)
158				gy		QZONE					12	1.5				2.0							15318		Finely banded, chl + sil fract
159				gy		QZONE					6	3.5				2.5							15319		
160				gy		QZONE	V	50			40	4.5		trace	1.5	5.0							15320		local green mica in sm halo; delicate X-cleavage!
160.30				gy		QZONE					45	2.5		"	2.0	3.0							15321		fine to coarse ragged sulph ppt

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				.007															
125.0		15301	9.6	.017		586													
126.06		15302	1.06	.006		205													
126.27		15303	0.21	.008		275													
128.0		15304	1.73	.010		340													
129.5		15305	1.5	.004		135													
130.4		15306	0.9	.020		685													
138.5		15307	8.1	.013		445													
139.0		15308	0.5	.002		70													
140.0		15309	1.0	.006		205													
141.4		15310	1.4	.006		205													
141.7		15311	0.3	.005		170													
150.5		15312	8.8	.002		70													
151.6		15313	1.3	.002		70													
153.5		15314	1.7	.004		135													
155.0		15315	1.5	.002		70													
156.0		15316	1.0	.008		275													
157.0		15317	1.0	.005		170													
158.0		15318	1.0	.002		70													
159.0		15319	1.0	.001		35													
160.0		15320	1.0	.003		105													
160.3		15321	0.3	.001		35													

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)															
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
161.0		vfg		gr	chl	4tk										0.5	vfg						15322		siliceous (dark) ; < 0.5% QVs + clts
162.5											0.5					0.5							15323		1-1.5% fine phenos ; one 3cm fold of chlorite vein to core vein.
164.0											.10	1.5				0.4							15324		wk-mod ferromagnetic
165.0		vfg		gr	chl	QV	V	70			35	3.0				1.0							15325		chlor & calcite veins QVs
166.0			band			4tk	B	75								0.5							15326		1% chlorite xtals ; wk ferromagnetic
167.5											.10	0.5				0.5							15327		5cm, 5° slip @ 167cm
168.5			qvein	gr	chl	4tkp	B	70			0.20	0.5				.10							15328		chlorite xtals (1-15%)
169.10				gr	chl	QZONE					15.0	2.5				1.5							15329		chlor veins & veins in 4tk 1% albite
170.5			qvein	gr	chl	4tkp					0.5	0.5				.10							15330		10% chlorite xtals
174.5		fg	band	gr	wk chlor	4tk	B	80			0.2					0.5	vfg (Chlor pebbles?)						15331	3.5	Intermed - felsic tuff ; finely banded
176.0				gp	hem	alt					0.5	chlor 0.5				.10							15332		2-3% disseminated clasts; wkly sericitic
177.5	ss	fg	band	gr		4tk	F	75			15.0	2.5				0.5							15333		ser + qtz stockwk on QVs
179	ss				ser	4tk	F	60			50					.10							15334		ser stockwk (qtz+ser). fault/slip @ 177.57-177.80 core (80°)
180.5	ss	fg	band	pg	hem	4tk		65								0.20							15335		typ @ 179.80-180.10 ; qtz/ser in fract/slips
182.0	"	"	"	"	"	"	F	70			0.5	1.0				0.10							15336		minor brecciation
183.5		"	"	"	"	"		70			5.0	1.5				0.10							15337		
185.0				g	chl	"					20	3.5				0.5		.10					15338		silic/alt fract ; ser + qtz in halos
186.5	ss	vfg		pk	hem	4tk					0.5	0.25											15339		vfg bdg ; delicate inlaid fract ; ?ss mafic?
188.0	ss	"		pk		"										.10							15340		
189.5	↓	"	qvein	gp		4tkp					0.10					.10							15341		1-2.5% chlorite
191.0		fg	fract			4tkp	B	60				0.5				2.0							15342		1-4% chlorite + patches ; wk-str magnetic
191.7					↓	4tkp										0.5							15343		alb/tz
196.10	sss	vfg		gr	ser	4tk						0.5				0.5		relatively	hard				*15344	4.4	Intermediate tuff (qtz) or melt?? Delicate inlaid fract - poss. suggestive of incl? Are short 4tk screens with QVES in this unit/vol. Blocky - Fault @ 192.4 - 192.71 (70°)
200.10	s	fg	pxp	gp	chl	4tkp	B	70								0.5							*15345	3.9	MAFIC (1-20%) dss + patches/bands Mod. magnetic, wkly hem ; 2 cm chert band (?)

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sample#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				OPT															
161.0		15322	0.7	.002		70													
162.5		15323	1.5	.003		105													
164.0		15324	1.5	.001		35													
165.0		15325	1.0	.001		<35													
166.0		15326	1.0	.001		<35													
167.5		15327	1.5	.001		<35													
168.5		15328	1.0	.001		<35													
169.1		15329	0.6	.001		<35													
171.0		15330	1.9	.001		<35													
174.5		15331	3.5	.005		170													
176.0		15332	1.5	.001		<35													
177.5		15333	1.5	.001		35													
179.0		15334	1.5	.004		135													
180.5		15335	1.5	.005		170													
182.0		15336	1.5	.001		35													
183.5		15337	1.5	.001		<35													
185.0		15338	1.5	.002		70													
186.5		15339	1.5	.001		<35													
188.0		15340	1.5	.001		<35													
189.5		15341	1.5	.001		<35													
191.0		15342	1.5	.002		70													
191.7		15343	0.7	.001		<35													
196.1		15344	4.4	.001		35													
200.0		15345	3.9	.001		35													

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: Dec 15/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14439	<.001	<35					
2	40	<.001	<35					
3	41	<.001	<35					
4	42	<.001	<35					
5	43	.002	70					
6	44	<.001	<35					
7	45	<.001	<35					
8	46	.006	205					
9	47	<.001	<35					
10	48	<.001	<35					
11	49	.003	105					
12	50	<.001	<35					
13	51	<.001	<35					
14	52	.002	70					
15	53	<.001	<35					
16	54	<.001	<35					
17	55	<.001	<35					
18	56	<.001	<35					
19	57	.002	70					
20	58	.002	70					
21	59	<.001	<35					
22	D-14460	<.001	<35					
23								
24								

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: Dec 15/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14461	.012	410					
2	62	.001	35					
3	63	.003	105					
4	64	.001	35					
5	65	.018	615					
6	66	.004	135					
7	67	.005	170					
8	68	.004	135					
9	69	.007	240					
10	70	.008	275					
11	71	.007	240					
12	72	.022	755					
13	73	.008	275					
14	74	.006	205					
15	75	.001	35					
16	76	.008	275					
17	D-14477	.009	310					
18								
19								
20								
21								
22								
23								
24								

Lab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: DEC 15/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-15251	.002	70					
2	52	.001	35					
3	53	<.001	<35					
4	54	<.001	<35					
5	55	<.001	<35					
6	56	.006	205 ~~35~~					
7	57	<.001	<35					
8	58	.002	70					
9	59	<.001	<35					
10	60	<.001	<35					
	61	.005	170					
12	62	<.001	<35					
13	63	<.001	<35					
14	64	<.001	<35					
15	65	<.001	<35					
16	66	<.001	<35					
17	67	.020	685					
18	68	.055	1890					
19	69	.002	70					
20	70	.031	1060					
21	71	.001	35					
22	72	.001	35					
	73	.006	205					
24	74	.007	240					

lab16

Chief Chemist: _____

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: DEC 16/9[illegible]

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-15275	.032	1100					
2	76	.008	275					
3	77	.005	170					
4	78	.003	105					
5	79	.002	70					
6	80	.003	105					
7	81	.010	340					
8	82	.001	35					
9	83	<.001	<35					
10	84	.002	70					
11	85	<.001	<35					
12	86	.001	35					
13	87	010	340					
14	88	.008	275					
15	89	.002	70					
16	90	.003	105					
17	91	.003	105					
18	92	.002	70					
19	93	<.001	<35					
20	94	.001	35					
21	95	.001	35					
22	96	.016	550					
23	97	.024	825					
24	D-15298	.025	855					

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: Dec 16/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-15299	.003	105					
2	15300	.005	170					
3	01	.017	585					
4	02	.006	205					
5	03	.008	275					
6	04	.010	340					
7	05	.004	135					
8	06	.020	685					
9	07	.013	445					
10	08	.002	70					
11	09	.006	205					
12	10	.006	205					
13	11	.005	170					
14	12	.002	70					
15	13	.002	70					
16	14	.004	135					
17	15	.002	70					
18	16	.008	275					
19	17	.005	170					
20	18	.002	70					
21	19	.001	35					
22	20	.003	105					
23	21	.001	35					
24	D-15322	.002	70					

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: DEC 16/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-15323	.003	105					
2	24	.001	35					
3	25	<.001	<35					
4	26	<.001	<35					
5	27	<.001	<35					
6	28	<.001	<35					
7	29	<.001	<35					
8	30	<.001	<35					
9	31	.005	170 ~~<35~~					
10	32	<.001	<35					
11	33	.001	35					
12	34	.004	135					
13	35	.005	170					
14	36	.001	35					
15	37	<.001	<35					
16	38	.002	70					
17	39	<.001	<35					
18	40	<.001	<35					
19	41	<.001	<35					
20	42	.002	70					
21	43	<.001	<35					
22	44	.001	35					
23	D-15345	.001	35					
24								

Lab16

Chief Chemist:

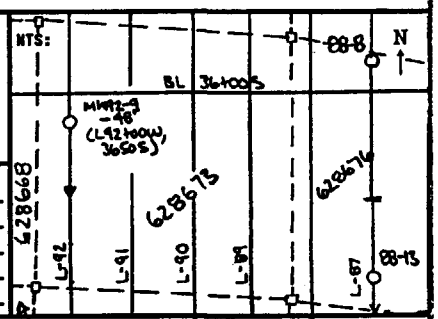
TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — Project No: 2703 — Category: — Page 1 of 16

HOLE #: [redacted] NORTHING: [redacted] Surveyed EASTING: [redacted] ELVN: [redacted] LENGTH: [redacted]

TWP: Hebbitzell Drilled by: Bradley Bros. (Nobonda) Logged by: R Coad Start: DEC 10, 1992
Claim: L-628673, 628668, 628669 Core Stored: Timmins Casing/Size: BW (49m left in + capped) Finish: DEC 16, 1992

Dist	Azim	Dip	Dist	Azim	Dip	Dist	Azim	Dip	Dist	Azim	Dip
0	180	-48	300	201	-46						
50	187	-48	400	205	-47						
100	194	-46.5									
200	194	-46									

Purpose/Results: To test gold-bearing structure 0.5 km west of base marked by DDH's 88-8 and 88-13 (i.e. L-87+00W). Intersected 13% QTZ + 20% albite (7% Py) at basalt sediment contact (123.64 - 133.20 m) but returned only 187 ppb Au (5.56m). Intersected new pyrite (628669 $ ppm Cu, 44.2 ppm Zn, 28 ppb Pb and 2.1 ppb Ag. (#) at 127.47 - 127.64 (0.17 m) 105 ppb Au,



1:10000

Dist	Rock Description: Com	Grs	Text	Co	Alt	Name1	Structure: B	A1	F	A2	Alteration Parameters: Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
19.0						CORE																			overburden
20.0		fg	porp	gy	ALB	4Hfp	B	75			0.25					0.10							15346		ALBITIZED INTERMED-FELSIC LAPILLI TUFF - dk due to dissem mt, chlorite and diffuse biotite. wk-mod magnetic (1-5% chl+Xtek - dust + local patches); py in matrix + wisps of QV; local blue QF
21.5		fmg	porp	gy	ALB	4Hfp					2.5	1.5				0.5							15347		
23.0						"					2.5					1.0							348		
24.5						"					2.0					1.0							349		
26						"					0.10					0.5							15350		
27.5						"										0.10							15351		
29.0						"	B	70	V	60	3.0					1.0							352		Mg-chl ± QV; ± 1-10% lapilli clasts
30.5						"					2.0					1.5							353		
32.0						"					0.5					0.2							354		P 31.7-31.90 - patch of light green (sericite epid (?) where albite exhibit pink tint;
33.5		"	"	"	ALB	4Hfp										0.10							355		
34.45		"	porph	gy	epd?	4Hfp?					0.2	0.5				0.10							15356		ALBITIZED TUFF (pink/red to white albite) in lighter green matrix; poss pillowed? 34.32 (?)
35.5		fg		gy	bt	4Hfp	F	60								3.0							15357		Major albite (diffuse); wk-mod magnetic
36.50				gy	"	"					0.40					3.5							15358		diffuse albite ie) coalesced into matrix? Siliceous.
37.50	SS		fold			QZONE			V	55	85.0	5.0 (Ank)		Alb (anky)	3.0	10.0							15359	1.0	Dirtied by dk chl speckling + 5-10% fourmed (needles + diffuse)
38.0	SS	fg	"			QZONE					20.0			fuw	5.0	10.0	(±	1-2%	wispy-pink albite)				15360	.5	Mt xtals in QTZ. Host 2m (?) 3% disc mt in chl. host.

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				opt	ppb														
19.0																			
20.0		15346	1.0	.001		35													
21.5		15347	1.5	.001		35													
23.0		15348	1.5	.001		35													
24.5		15349	1.5	.001		35													
26.0		15350	1.5	.003		105													
27.5		15351	1.5	.003		105													
29.0		15352	1.5	.001		35													
30.5		15353	1.5	.001		35													
32.0		15354	1.5	.001		35													
33.5		15355	1.5	.001		35													
34.45		15356	0.95	.004		135													
35.5		15357	1.55	.002		70													
36.5		15358	1.0	.006		205													
					Chemex														
37.5		15359	1.0	.011	290	375													
38.0		15360	0.5	.038	850	1300													

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Est	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
35.5	SS	fg	bnd	gy	chl	2	F	45			2.5			tour	5.0	0.5		0.45			ID		15361	1.5	Fe-Tholeiite - Basalt (foliated and (+)bed); cp in QV (local)
41.0	SS	fg	bld	gy	chl	2					3.0	ACS	2.0 (orange-pink)	tour	10.0	4.0					20.0		15362	1.5	local dk grey bedded textures
41.70						QZONE	V	70			40	0.5	orange-pink ACS		5.0	10.0							15363	.70	10% tourmaline, trace specks of Mag? @ 41.46
42.5	SS	fg	bld	gy	chl	2					1.5	0.5		tour	3.0	3.0					10.0		15364	.80	one 2.5cm clot of pink-orange dbble
43.0			"	gy	chl	2					0.5	2.5		ACO	2.0	5.0					3.5		15365	.50	tourm = 3.0
44.0			"	gy	chl	QZONE	V	70			15.0			tour	3.5	5.0					5.0		15366	1.0	tourm in matrix or QV's; 3% orange-pink dlb
44.70	SS			br		QZONE	V	60			15.0			tour	20.0	4.0							15367	.7	tourm in vein and matrix (pass bt two); pitted QTZ; 1.5% orange dbble; cse with py
45.5	SS	fg		gy	chl	2m?					.10							.10					15368	.8	wk-mod. magnetic
50.40	S	fg		gy	chl	2m					.10					.10		.10					#15369	4.9	BASALT (Fe-Thol.) massive; poss faint X-cleavage. local QTZ sweats (tr cp assoc); non-magnetic
51.0		fg		gy	chl	2p?	C	75			3.0			tour	3.0	3.0							15370	.60	Vein in and near pill cts (?) wk-mod magnetic; local bedded texture (grey)
51.5		fg	bld?	gy	chl	QZONE					30			tour	5.0	2.5		.10					15371	.50	
52.20						QZONE					2.5	1.0		"	2.0	2.5							15372	.70	poss pill ct? Folded & QTZ
53.0	SS	fg		gy	chl	2	F	65			0.3			tour	0.5	1.0							15373	.80	
54.5	S	fg		gb	chl	2					2.5	2.5		"	15.0			0.20					15374	1.5	wk-str magnetic; tourm wash
56.0	SS	↓	cren		bt	2					0.40	3.5		tour	1.5								15375		
59.0	SS	↓			bt	2					0.2	2.0						0.10					#15376	3.0	dusky bk fg-mg; brown bt; 30° fault slip @ 57.70
59.40	SS	fg	cren			2					10	0.5		tour	2.5			0.10					15377		lighter green, shear basalt?
62.20	SS	fg	cren	gy		2					0.10	0.10		tour	1.0								15378	2.8	Sheared, lighter green basalt & local wisps of light green chl; speckled by pinhead tourm (?); non-magnetic
65.50	S	fg	bld	gb	bt	QZONE					15.0		pink-orange	ACS	1.5			1.5					15379	1.5	mod-str magnetic.
66.15	S	"	"	gb	bt	QZONE					2.5					1.0							15380	0.65	magnetic
67.2	SS	"		lgy	bt	2					.10	.10	matrix			0.20							15381	.95	"
68.2	SS	"		bv	bt	2					1.0	1.5				.10							15382	1.5	Loud. QTZ/CO2 knots; non-mtic
71.0	SS	↓	bld	"	bt		F	75			2.5	1.5				0.50							15383	0.5	wk-str magnetic

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Namel	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				001															
37.5		15361	1.5	.002	ppb	70													
41.0		15362	1.5	.003	chemex	105													
41.7		15363	0.7	.013	340	445													
42.5		15364	0.8	.011		375													
43.0		15365	0.5	.007		240													
44.0		15366	1.0	.009	170	310													
44.7		15367	0.7	.020	600	685													
45.5		15368	0.8	.001		35													
50.4		15369	4.9	.010		340													
51.0		15370	0.6	.001		35													
51.5		15371	0.5	.001		35													
52.2		15372	0.7	.001		35													
53.0		15373	0.8	.002		70													
54.5		15374	1.5	.001		35													
56.0		15375	1.5	.001		35													
59.0		15376	3.0	.001		35													
59.4		15377	0.4	.001		35													
62.2		15378	2.8	.001		35													
63.5		15379	1.3	.009		310													
64.15		15380	0.65	.002		70													
65.0		15381	0.85	.001		35													
66.5		15382	1.5	.001		35													
67.0		15383	0.5	.001		35													

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
68.0	SS	fg	bnd	bg	bt	QZ vein	F	70			5					1.0							15384	1.0	green chl assoc w/ qtz/Cb veins
69.0					bt	QZ vein					30		Ank overg	ALB	2.5	3.0							15385	1.0	15% fawn; local buff alt halos - local pitting
70.0	SS	fg	bnd	bg	bt	"					25		"	ALB	1.0	4.5							15386	1.0	2.5% fawn.
71.0	"	fg	bd	bg	bt	"					15		-	ALB	2.5	3.0							15387	1.0	pitted; 1% fawn, fg to c.g py
72.0					bt	QZ vein					45			ALB	1.5	3.0							15388	1.0	2.0% fawn. pitted qtz; whitish buff-orange - alt.
73.0	SS	"			bt	"					2.5	1.0		ALB	2.0	1.5							15389	1.0	pitted/vuggy; wk-str magnetic
74.0	"	"			"	"					50	1.5		fawn	1.0	3.0							15390	1.0	
75.0						"					40			ALB	3.5	4.5							15391	1.0	Vuggy - mod - str magnetic.
76.0	SS	"			"	"					1.5			ALB	8.0	3.0			.10	in ALB;			15392	1.0	Stat wisky (limonite) slips
77.0					"	"					40			ALB	3.0	2.5							15393	1.0	Leaching on vuggy qtz remnants
78.0	S	fg	bnd	gb	bt	QZ vein	V	70			5.0	1.5		fawn	0.5	2.0							15394	1.0	wk-mod magnetic
79.5		fg		gy	chl	2m					1.0												15395		chl + biotite
80.0	SS	fg	green	bg	bt	"					1.5	2.5				0.5							15396		magnetic
81.5		-	"	"	"	"						1.0											15397		black stripe green chl + cse mica with
82.0					"	"					2.0	1.5				0.4		.10					15398		
84.5	SS	fg			bt	2m					40	2.5				0.5							15399		
86.0					"	"	F	75			0.5	1.5											15400		Fault @ 84.77 (75°) gouge
87.5	SS			bg	bt	2m						3.0				0.5							15401		cse white/shiny micas on slips
89.0		"		"	"	"	R	60			1.0	1.5				0.5							15402		wk-mod Mhc
90.5		fg	fold		"	2m						2.0											15403		
92.0					"	2m						1.5											15404		garnets
93.5	SS	fg	bnd		"	2m					0.5	3.5				0.5							15405		" , heavy py on one pitted QV
95.0	SS	fg			bt	2m					1.5	2.5				2.0							15406		leaching @ QV
96.5					bt	2m					1.0	2.5				.10							15407		wk magnetic.
100.0					chl	2m						0.5				.10							15408	7.5	local diffuse Sil; minit diss. ± fg. mt
103.86	SS	fg	bnd	bg	bt	2m	F	75			.10	3.0				8.0			.10				15409		cc cs wisps, knots; wisps/bands py wk-str magnetic
106.67	SSS			gy		mylon	F	55			0.10	0.20				0.10							15410		Mylonite zone; local vfg aph bands and local cse fmg. fragments in lighter matrix. QTZ knots
106.84						bound?																			Variety of angular clasts/wisps in light green matrix

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Namel	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				90%	ppb														
68.0		15384	1.0	.015		515													
69.0		15385	1.0	.011		375													
					Chemex														
70.0		15386	1.0	.004	105	135													
71.0		15387	1.0	.015		515													
72.0		15388	1.0	.008		275													
73.0		15389	1.0	.005		170													
74.0		15390	1.0	.004		135													
75.0		15391	1.0	.010		340													
76.0		15392	1.0	.027		925													
77.0		15393	1.0	.019		650													
78.0		15394	1.0	.004		135													
78.5		15395	0.5	.006		205													
80.0		15396	1.5	.010		340													
81.5		15397	1.5	.001		35													
82.0		15398	0.5	.001		35													
84.5		15399	2.5	.001		35													
86.0		15400	1.5	.001		35													
87.5		15401	1.5	.001		35													
89.0		15402	1.5	.001		35													
90.5		15403	1.5	.001		35													
92.0		15404	1.5	.001		35													
93.5		15405	1.5	.005		170													
95.0		15406	1.5	.001		35													
96.5		15407	1.5	.001		35													
104.0		15408	7.5	.001		35													
105.56		15409	1.56	.001		35													
106.67		15410	1.11	.001		35													
106.84																			

	Rock Description						Structure				Alteration Parameters (%)														
ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
8.50	S	fg		gb	bt	2	F	65			35	1.5				0.20		.10					15411		a.c. marked by 3cm healed brittle fault (30°)
10.0	SS	fg		bg	bt	2			V	45	1.5	3.0		fuw	1.5	0.20							15412		
11.5	SS	fg		bg	bt	2	F	80			0.10	0.10				0.10							15413		
13.0	SS	fg		gb	bt	2	F	65			1.5	3.0	(pink)			0.10		.10					15414		wk-str magnetic
14.5	SSS	fg		gb	bt	2	F	60			1.5	1.0		fuw	1.5	0.10		.10					15415		
16.0	SS	fg		bg	bt	2					0.5	3.5				0.25							15416		poss emngd.
17.5	SS	fg	fold	gb	bt	2	F	50			2.0	4.0	(pink)			0.10		.10					15417		calcite specked
19.0	SS	fg		bg	bt	2		65			50	3.5				0.50		.10					15418		
20.5	SS	fg		gb	bt	2	F	70			30	3.5				0.10							15419		local heavy alt splotching and fg qtz
22.0	SS	fg		gb	bt	2					20	3.0				0.2							15420		kspar green; local calcite knots; wk-str
23.5		fg		bg	bt	2					2.5	2.0				0.5							15421		patchy magnetite
25.0	SSS	fg	fld	bg	bt	2					50	3.0				0.25		.10					15422		
26.0	S	fg		bg	bt	2p					2.5					1.0							15423		local f.g to c.g. amygdules. local cm bands in qtz (veins folded)
27.0	S	fg		b	bt	2	F	65			1.0	1.0				1.5							15424		wk-mod magnetic
27.49		fg		b	bt	2	F	70	C	75		1.5				3.5							15425		2 cm band of mav py & calcite gangue
27.64		fg				MS	B	75								98					1.5		15426		calcite filled qtz vns. MASSIVE PYRITE - banded & pitted; calcite gangue; v. thin chlorite bands / xtals of alt
28.0		fg		bg	bt	2						0.2	& qs clots			3.0					20.0		15427	.36	Mod-str magnetite, olive-green chl (alg) bands/patches specked with fg cpy, garnets + magnetite; 1 cm band of py with thin (2 mm) rim (selv) of garnet, followed outward by chl + epidote + garnet + Mt xtals. Pds garnets in mav py!
28.40		fg		bg	bt	2					0.10					5.0					20.0		15428	.40	Moderate-strongly magnetic with 1-10% garnets; mav'd by bands and clots with selvedges of garnets + Mt. local qtz xtals in mav py; local fine GE!!
29.50		fg		bg	bt	A ZONE			V	75	45	1.0		ALG	1.5	3.0	0.10	0.40			15.0		15429	1.10	1-2% cpy garnets
30.0		fg	fold			A ZONE					10		(pink)	ALG	30.0	10.0					25.0		15430	0.5	local fg qtz-Mt-Py float in mav garnets
31.0		fg			Sil	A ZONE					15	5.0		ALG	35.0	15.0					5.0		15431	1.0	silic-disturbed-alt-zone; v/g-f.g py
														Tuff	0.5	(?)									

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				opt	ppb														
108.5		15411	1.6	.001		35													
110.0		15412	1.5	.001		35													
111.5		15413	1.5	.001		35													
113.0		15414	1.5	.001		35													
114.5		15415	1.5	.001		35													
116.0		15416	1.5	.001		35													
117.5		15417	1.5	.001		35													
119.0		15418	1.5	.001		35													
120.5		15419	1.5	.023		790													
122.0		15420	1.5	.002		70													
123.5		15421	1.5	.001		35													
125.0		15422	1.5	.001		35													
126.0		15423	1.0	.001		35													
127.0		15424	1.0	.001		35													
127.47		15425	0.47	.001		35													
127.64		15426	0.17	.003		105		291		44		28	2.1						
128.0		15427	0.36	.001		35		44		138		21	0.7						
128.4		15428	0.4	.001		35		37		77		14	3.4						
129.5		15429	1.1	.001	Chemex	35													
130.0		15430	0.5	.005	180	170													
131.0		15431	1.0	.018	290	615													

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] — Page 5 of 6

	Rock Description						Structure				Alteration Parameters (%)														
.st	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
131.5		vfg	fold	po		QZ vein					10.0	3.0	pink orange	ALB	35.0	15					5		15432	0.5	1-2% tourm. Dirty as above. Local pinkish Mt in garnet bands
132.0		vfg		po		QZ vein					15	2.5	"	ALB	40.0	5.0							15433	0.5	Host sediment
132.25		"				QZ vein					25		"	ALB	70.0	3.5							15434	0.25	1-3% tourm (talk); inclusions of [illegible]
133.20		vfg	bnd			QZ vein					5.0			ALB	50	3.5					15		15435	1.95	Mod. str magnetic
134.0		fg	bnd	bg	bt	St	B	75			0.5					.10							15436		Sediment (brown-grey); mod bt wk-str magnetic
135					bt	St					0.10						.10						15437		Fine blue QTZ (0.5-10%); wk bt
137		fg	bnd	gy		S					0.20	1.5											15438		"
138.5		fmg	"	gy		S					1.5	1.5				.10	.10						15439		1-4% fg. QTZ
140.				gy		S					1.0	2.0				.10							15440		Flame-structures - tops up hole to N
141.5			bnd	gy		S					1.5	3.0		tour	20								15441		bleached slightly, local str magnetic
143.0				gy	hem	S					1.0	2.0				1.0							15442		wk hem
144.5			bnd	gy	hem	S					1.5	2.0		tour	1.5	0.5							15443		silic, wkly magnetic
146.0						S					2.5	1.5				0.5							15444		v. wk hematite
147.5		fg		gy	hem	S	B	80			3.5	2.0		tour	1.5	0.5							15445		wk ser + hem (v) on vein margins
148.7		fg	bnd	gy	ser	S			V	75	15.0	3.0		"	"	0.5							15446		Ser + hem altered below
149.57						?																			MAFIC DIKE? Mottled grey-pink & diffuse hem + pass qtz/calcite veinlets. Local blue QTZ. Pass all-altered local thin pale green aphanitic bands (silicified?)
154.10		fg		gy		S	B	70				.10											15447K	4.53	Sediment - local fg QTZ; minor bleaching; wkly magnetic; <1% garnets
155.0		fg		gy		Ss					4.5	2.5		tour	2.5	0.5							15448		wkly magnetic; chl & QTZ
164.0		fg		gy		Ss					0.20					.10		.10					15449K	9.0	wk-mod silic; local garnets (<0.5%) Local calcite blebs

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				opt	Chemex														
131.5		15432	0.5	.010	300	340													
132.0		15433	0.5	.003		105													
132.25		15434	0.25	.002		70													
133.2		15435	0.95	.001	10	35													
134.0		15436	0.8	.001		35													
135.5		15437	1.5	.001		35													
137.0		15438	1.5	.001		35													
138.5		15439	1.5	.011		375													
140.0		15440	1.5	.001		35													
141.5		15441	1.5	.001		35													
143.0		15442	1.5	.001		35													
144.5		15443	1.5	.001		35													
146.0		15444	1.5	.001		35													
147.5		15445	1.5	.001		35													
148.7		15446	1.2	.001		35													
134.1		15447	4.53	.003		105													
155.0		15448	0.9	.001		35													
164.0		15449	9.0	.001		35													

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	Rock Description						Structure				Alteration Parameters (%)															
st	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
55		vfg		gy		S	F	50			1.0	0.5		tour	1.0	0.5		.10					15450		Approx 0.5% garnets; pinhead QE
70		"		gy	ser	S					0.5	0.5		clb	1.0	1.0							15451		minor bleaching; wk-mod magnetic
																									QE grains (grey-blue)
85				gr	wk	S					2.5	1.0				1.5							15452		0.5-1.0% gt
92		fg	band	gy	v ser	S					1.5	2.0				0.5							15453		local bleaching; some QE resembles emy diss(?); garnets
													Pink-orange												
20		fg				Q2QVE					85	2.5	cb	ALS	3.0	3.5							15454	0.60	Piked/wispy
30		"				S	B	65			2.0	2.0		tour	1.5	0.40							15455	1.0	local wk bands - boundinage
40						S					1.0	1.5				.10							15456	1.0	0.5-1.0% gt
130		fg		gr		S					1.5					0.5							15457	1.0	0.5% gt
145		"		gy		S					0.3	1.0				0.5							15458	1.5	" gt local bleaching; trace py on edge of QV + 1% halo.
183.12		fg		gy		S	F	65			0.5	0.3		tour	0.10	0.10		.10					15459	8.62	Sediment - grey with vfg to fg QE (lyne); 0.5% garnets; wk magnetic; pass pit. QE @ 176.3 (?) Chlorite f's 'basalt' lens??
80		fg		gy		S			V	60	50			tour	0.5	1.0							15460		1% garnets, creepy blebs in QV & cut wk sericite alt halo
84.0	85	fg		gy		S	F	70								.10							15461		1% garnets
85.0		"		gy	chl	S					1.5	1.0		tour	1.0	.10							15462		1.5% garnets; minor sericite in fractures
95.0		fg		gy	chl	S					0.25	0.10		tour	.10	.10							15463	10.0	Green-grey sed. & 1% garnets
96.60		"		gy	"	S					0.5	0.5				.10							15464		0.5% garnet
190.0					chl	QV					95.0	1.5		tour	.40	1.0					0.5		15465		
190.53	SC	fg		gr	chl	S	F	45			50	2.0		"	.50	.10							15466		8% blue QE - mottled look; wk bt
215.0		fg		gb	chl	S					0.30	0.2		tour	0.5	.10							#15467	18.47	wkly biotitic. 0.5-1.5% fg-cg garnets; wk to locally mod. magnetic (local knots of carbonate - lined tourmal in QV. at 203.15, mg chloritoid (?) blebs in chlorite halo near QV.
215.40		fg		gr	chl	S					1.5	1.0		tour	0.5	.10		.10					15468		wkly magnetic; no garnets
216.50						QV	B	70			20	1.5		tour	0.2	.10		.10					15469		trace MMG - pinkish blebs in QTZ Vein is slightly lensoid to bedding (local boudinage)

CRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Namel	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				Opt															
165.5		15450	1.5	.001		35													
167.0		15451	1.5	.006		205													
168.5		15452	1.5	.001		35													
169.4		15453	0.9	.001		35													
170.0		15454	0.6	.002		70													
171.0		15455	1.0	.001		35													
172.0		15456	1.0	.010		340													
173.0		15457	1.0	.001		35													
174.5		15458	1.5	.006		205													
183.12		15459	8.62	.001		35													
183.4		15460	0.28	.001		35													
184.0		15461	0.6	.007		240													
185.0		15462	1.0	.001		35													
195.0		15463	10.0	.025		855													
195.4		15464	0.4	.005		170													
196.0		15465	0.6	.001		35													
196.53		15466	0.53	.001		35													
215.0		15467	18.47	.001		35													
215.9		15468	0.9	.001		35													
216.5		15469	0.6	.001		35													

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	Rock Description						Structure				Alteration Parameters (%)														
ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
218		fg		gr	chl	S					1.5	1.5				.10							15470		boudinage QV's - local; minor gt
219.25		fg		gr	chl	S						1.5		tour	.10										wk biotite; carbonate as clots
220.39	SS	fg		b	bt	LAMP	F	75				4.0											15471		pass. amyg (?) - 3cm screen of seal.
221.0		fg		gb	chl	S					1.0	0.5	Pink→	alb	0.5	1.5							15472		wk bt (?). hem/silic^n assoc $\bar{c}$ QV pitted & wk-mod. magnetic due to disseminated
221.90		fg		gy		S	F	55			0.5		Pink orange	alb	1.5	1.5							15473		Pitted QTZ/alb/tourm veins; wk sericite
224.80		fg		gy	chl	S					6.10	6.10													tr garnet
226.0		fg		gb	bt	S	E	75			.10	2.0				.10							15474*	12	wk-mod biotitic + magnetic
231.50		fg		gy		S					0.3	0.5		tour	0.20	.10							15475*	9.5	minute qtz veinlets (aggs); minor qt 1½ cm clot of pink-orange alb @ 230.20 (?). py aligned low angle to c.a. (?); @ 231.5 ½cm QV vein (0° c.a.)
235.0		fg		gy		S					2.0	1.0				.10		.10					15476		0.5% garnets - concent in chl-rich areas. here see tr cp, py & magnetite; veins wkly deformed - feathered @ low angle
													(K)	25° to core vein ↓											
235.80		fg		gr	chl	S					2.5	2.0	orange	alb/k	0.20	.10							15477		5% fine-coarse garnets locally in chl-rich alt'n halos & -qtz. local glue QV veining slightly foliated; py wk 4? Tr orange alb/k (transect) local QTZ (?)
240		fg		gy	chl	S					0.5	1.0		tour	0.10			.10					15478		0.5% whitish-pink garnets
242.0		fg		gy		S					.10					.10							15479		minor qt
243.60				gb	bt	QV					40	1.5		tour	4.0			2.5					15480		local glue QVs, mod. bt, local ore white (shiny) micas; veining messy - hard to get orientation

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				QR															
218.0		15470	1.5	.015		515													
220.39		15471	1.14	.001		35													
221.0		15472	0.61	.008		275													
221.9		15473	0.9	.001		35													
228.0		15474	3.2	.001		35													
231.5		15475	9.5	.001		35													
239.0		15476	1.5	.009		310													
239.8		15477	0.8	.002		70													
242.0		15478	2.2	.001		35													
243.0		15479	1.0	.001		35													
243.6		15480	0.6	.002		70													

ADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] — Page 8 of 16

	Rock Description						Structure				Alteration Parameters (%)														
st	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
255.0				gb	sf	S					3.0	1.5				.25		0.5					15481		pale yellowish QV/silic band(S) faint deformed. @ 243.70 cats-eye of QV ± cb + py (sf alt°) @ 0° to c.a. ±; local garnets in chl areas
257.0		fg		gy	chl	S	F	60	V	28	.15	0.5		Pink-orange MG	0.25	.10		.10					15482*	12.0	local sections with 0.5% qt-wks, brittle locally; local thin veinlets of pink/orange dbrk (ct). also local QV (ct) Also some shrike veinlets; tr tourm.
257.60		fg		gb	chl	S					0.10	0.5											15483		wkly brittle; ± 0.5% pyrrhot minor tensional veinlets cb/QTZ/hem wk-mod magnetic
259.20		fg		gp	hem	S	F	70	V	30	0.5	2.5											15484		Pink-red-grey-green-sulf± focused by 10° fracture pattern. Pink CG veinlets (CT+S), local garnets
260.0		fg	bnd	gy	chl	S	F	65			.15	2.0	Pnk										15485		
261.5						S					.5	2.0											15486		0.5% carnot. local carb. (ct) veinlets
263.0		fg	bnd	gy	chl	S					.5	1.0				0.5							15487		Chloritic (v friable banded) ± pred. shrike veins (QTZ). local disc out Xtals in carb in QTZ
264.0		fg	bnd		chl	QV					20.0	5.0		trace	3.0	0.10					10.0		15488		Carbonate dirched by vfg opt specularite local coarse blue QTZ, halo on folded QV is bleached and locally hematized. Much coarse white mica weak vein sets Ragged veinlets of tourm in QTZ
265.0		fg		gp	wk hem	S						0.5											15489		wkly hematitic. local mig. chloritoid Xtals in parting / orange bands pigmented carbonate veinlets
266.0		fg		gy	chl	S					0.10	0.10					local	e.g. Xtals					15490		
267		fg		gy	chl	Sc					0.5	0.10				0.5		.10					15491		± 1-3% stretch chl clasts; tensional QTZ and shrike QV (folded) @ low angle.

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
245.0		15481	1.4	.001		35													
257.0		15482	12.0	.001		35													
257.8		15483	0.8	.001		35													
259.2		15484	1.4	.001		35													
260.0		15485	0.8	.001		35													
261.5		15486	1.5	.001		35													
263.0		15487	1.5	.001		35													
264.0		15488	1.0	.001		35													
265.0		15489	1.0	.001		35													
266.0		15490	1.0	.001		35													
267.0		15491	1.0	.015		515													

ADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
st	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
269.5	SS	fg		gy	chl	Sc	B	55	V	60	.10	.10		AKS	2.0	1.5							15492		2cm wide tensional veins of orange-pink albite/QTZ ± strong py wk magnetic, ± 0.5% stretch clasts
269.0	S	fg			chl	Sc					0.10	0.5						.10					15493		Local left handed (1 cm) 20° fault
287.0	S	fg	wk Lnd	g	chl	Sx	B	55				0.50	0.5			.10		.10					15494*		Sediment with sections of fg. gritty sediment/wacke (ie. minute dark argill. chips) locally dark granular to med. chlorite and pass. ptc bxstile; SX ½ cm stretched clasts @ 269.5m. Local discern. fg. py in delicate calcite ± QTZ(S) Predominantly strike vein wlk boudinage, however local transient veinlets. Stretch clasts evident to 276.0 (<2%); at 283 micro kinking-crenulation. Local blue QE in dark mass
256.5	SS	fg	Lnd		chl	S	B	50			2.0	0.5				.10							15495		Local minute qtz gemins/eyes; ± 0.5% sporadic pegmatic calcite-QTZ veining (0°-c.a.) with disc. ot. Strike veins QTZ, wkly boudinaged. 1-2 cm avoid (flat angle) of pink-orange albite-silic.
290.0	SS	fg	Lnd		chl	S					3.5	2.0		fine	2.0	2.0							15496		Local sub-subhed py-po crystals with interpenetration & local mig. ot on margins of complex calcite-QTZ-py-ot veins. Approx 0.5% pink garnets (fg.). Local thin delicate ribbons of blk fracture in QTZ*

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

ist	Name1	Sampl#	Width	Au (g/T) nfa	Au (g/T) cfa	Au ppb	Cu %	Cu ppm	Zn %	Zn ppm	Pb %	Pb ppm	ppm Ag	ppm Ni	ppm Co	ppm As	% SiO2	% Na2O
				opx														
267.5		15492	0.5	.001		35												
269.0		15493	1.5	.002		70												
287.0		15494	18.0	.001		35												
288.5		15495	1.5	.001		35												
290.0		15496	1.5	.010		340												

	Rock Description						Structure				Alteration Parameters (%)														
ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
293.54		fg	bnd	gy	chl	S	B	60			0.45	0.5				0.10	0.10						154978		Local f.g. - m.g. garnets in dark chl grains; biotite/chl on margins of qtz
295.5	SS	fg	bnd	br	bt	Lamp	F	65				4.0				0.10								.%	Lamprophyre? Banded, bleached with fine calcite partings and fractures. Poss. bleached / foliated sed. s.c. marked by thin yellowish oxidized bands.
296.16	SS	fwg	bnd	gp	hem	Bgd	F	65			0.5	1.5												1.66	Greywacke - Just albitized-hornfelsed-bleached clastic sediment; stretched glassy lapilli sandst; local diffuse QES. Calcite altered as well. At 296.7', 1.5 cm qtz ± 3cm pink-orange alt'd halos. Unit drilled by Vfg at sampling
297.10		fg	bnd	gp	hem	S	B	65			1.0	2.0				2.0							15498		wkly hornfelsed ± 0.5-7.5% f.g. albite grains/X's
300.42		fg	wkly bnd	gy	chl	S					0.3	0.45				.10							154998		Sediment - Grey-green with 0.5-1.5% garnets in dark areas. Local biotite on margins of QTZ-calcite veins. ½ cm py band ⊥ assoc ± pitted calcite-quartz vein(s) @ 75° (included in geol sample).
302.76	SS		bnd	br	bt	Lamp	F	70			2.5	5.0				.10							15500		Lamp. or extremely Sil'd sed. (veins) exhalat sedimentage?, local stretch calcsilicated clasts
314.0	S	fg	bnd		chl	Sc	F	60			0.5					3.0		Pb 2.0	Hb				15226		chloritized clastic with ± 1-4% chloritized stretched clasts; pres. vesicular frag @ 312.5ft; 0.5% local

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				ppt															
293.54		15497	3.54	.001		35													
294.5																			
296.16																			
297.1		15498	0.94	.001		35													
310.42		15499	13.32	.001		35													
312.26		15500	1.84	.001		35													
314.0		15226	1.74	.001		35		59		116		102	0.7						

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
																									pink garnets; local garnets form continuous thin bands. Approx 2-5% BS in QV (2.5cm) QV @ 313.64 CS but boudinaged slightly. Tr sphal in vein. Banded + ribbony py bands/lamellae 4 cm from vein (py exhibits yellow tint)
315.5		fg	porph		chl	Sfp					0.5	0.5				1.5			0.20		3.5		15227		DK chl sed. with local gt in chl-rich bands. Local 0.5% pinkish albite knots (subh); complex calcite-qtz-py-sph-mt veins (S)
317.0		fg			chl	Sf					0.3	0.30				0.20							15228		Local minor stretched chl frags Local albitization in tension veinlets - local esse biotite assoc. local fuchsite
318.5		fg			chl	S					2.5	1.0				0.5							15229		Stretched + laminated QV with chl alt'n halo with minor garnets; matrix dotted by fg. diseem mt.
320.0		fg		gp	ALB	Sf										1.5					5.0		15230		Albitized (i.e. pinky (cream) patches/ bands and isolated Alb) - dk hematite with albite. At 318.63, 2-3 cm boudinaged band of msv mt with 3% f.g. - mg. subhed ragged py. Garnets locally more ct above with green chlorite (alg) and thin lfbes QTZ. < 1.5% stretched segments Other msv mt (coalescing) near above band;
322.20		fg		gy	chl	Sf	B	65			0.30					0.5	0.10						15231		Approx 1-3% stretch chlor/ argill. frags. 1-5% fg-mg garnets in chlorite-rich areas. Local po-py intergrowths

TRADER RESOURCE CORPORATION ✓ MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Namel	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				opt															
315·5		15227	1·5	·001		35		28		172		12	0·4						
317·0		15228	1·5	·001		35		22		68		5	0·4						
318·5		15229	1·5	·001		35		46		67		8	0·4						
320·0		15230	1·5	·001		35		25		54		5	0·3						
322·2		15231	2·2	·019		650													

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
338.20		fg	porp	GP	ALB	SLT					0.46	0.30				.10							15232x	17.0	Tuff-Sediment with 1-4% minute to locally coarser grained stretched dark clasts, slightly dirtied and speckled by disseminated grains (wk-mod magnetic) Unit silicified by xlets, diffuse irreg aphanitic wisps (orange-pink) and local wide bands or zones (eg. 325.3-326.75) This wide zone could be misinterpreted for an intrusive. Overall unit is wk-mod. hematized. Local cse bunzy mica on QTZ margins
340.35		Fmg	porp	pk	ALB	SLT					10.0	0.5				0.50							15233		ALBITIZED + HEMATIZED TUFF/SED with vague stretched clasts (<2%) a.c. is sharp (60°) and marked by QV. Unit is more red-pink next to QV Partial by disseminated MT + biotite/chlor, local patchy QTZ/calcite
340.95		fg	bnd	gy	chl	S					2.5					0.10							15234		SEDIMENT - POSSIBLY LEAN IF Chloritic and moderately magnetic due to disseminated magnetite, boudinaged QV, delicately banded
343.5	SS	fmg	bnd	pg	ALB	SLT					0.5	(glassy-stretch frags)				0.5							15235		ALBITIZED + HEMATIZED SED
344.0		"			"	SLT					0.30					0.5							15236		disturbed by diss MT
344.97		fmg	bnd	pg	"	SLT					0.50					0.5							15237		stylo + tension QV. see MT+py cg. xlets together in QV - biotite in QV
345.5	SS	fg		gp	hem	S	F	70			2.5	1.0				0.5							15238		milky hematized ← sericite
347.13	S	fg		pg	hem	SLT					3.5	1.5				1.5							15239		Minor stretched buff clasts, local cse py ± QV
10	SS	fg		pg	hem	SLT	F	65			2.0	3.0				1.5							15240x	4.57	Hematized and fine grained to aphanitic - local silic as aphanitic orange-pink wisps only. ~1-2% minute dark clasts. QTZ + PY included in grab

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
339.2		15232	17.0	.001		35													
340.35		15233	1.15	.001		35													
340.95		15234	0.6	.018		615													
342.5		15235	1.55	.001		35													
344.0		15236	1.5	.011		275													
344.57		15237	0.57	.001		35													
345.5		15238	0.93	.007		240													
347.13		15239	1.63	.013		445													
351.7		15240	4.57	.006		205													

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
Dist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
359.43		FeVg	Porph	PK	ACB	SLt	F	60			0.5	0.5		tour	.10	1.0							15241X	7.73	ALBITIZED + HEMATIZED CLASTIC Pink-red and dirtied by vfg diss mt (wk magnetic) ALBITE Xtals are fog mtg and subhedral. Local ccc py Xtals in QV(t); local pitting in QV. In isolation this unit would be called granodiorite. Py-bearing QV included in grab.
360.5		fg	Sud	gr	chl	S					2.5	0.5				0.5							15242		local bleaching on QVS; wk-mod magnetic
362.10		fg	Sud	gr	chl	S	B	70			5.0	1.5				0.3							15243		Delftetely bended · mod-str magnetic Local bands of 1-10% fg-mg garnets
368.0	S	fmg		pK	Hem	Sc					0.10	0.10				0.10							#15244	5.9	Approx 1-10% stretched pink clasts in lighter pink-grey matrix (Speckled by vfg mtp; wkly magnetic · Local fine grey QE Minor flat joints
369.5	SS			pg	Hem	Sc					0.5	0.5				0.20							15245		Clasts less obvious · Even grained and more stretched, rubble C 366-368.5 - assoc jointing and QV; pass one garnet Xtl.
371.0	S			PR	HEM	Sc																	15246		
372.5				PR	HEM	Sc					1.0	1.5				.10							15247		Strongly bleached; 1% stretch frags
374.0	SS			-	"	Sc	F	70			2.5	2.0				1.5							15248		(local) Close QE; minor elbik Xtals Shallet tension veins
378.5				PR	Hem	Sc					0.5	1.5				0.4							15249		± 1-2% ghosty frags
386.15	SS			PR	HEM	Sc					0.5	0.5				.10							15250		Stretch aphan · mafic frag
393	SS	Vfg		gp	Hem	St	F	70				0.5				.10								4.78	wkly hematic · wkly magnetic Diamond & micro-fallen) cuspate X cleavage At 378.5 QV ± from elbik halo
401.12						FZONE	F	50			2.0												14701		Brittle - angular rock frags in clay matrix - QFP assoc; 2nd oblique fault in major fault at 35°

TRADER RESOURCE CORPORATION ✓ MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				opf															
359.43		15241	7.73	.007		240													
360.5		15242	1.07	.008		275													
362.1		15243	1.6	.004		135													
368.0		15244	5.9	.004		135													
369.5		15245	1.5	.001		35													
371.0		15246	1.5	.003		105													
372.5		15247	1.5	.020		685													
374.0		15248	1.5	.010		340													
375.5		15249	1.5	.007		240													
376.15		15250	0.65	.008		275													
381.12		14701	0.19	.002		70													

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
st	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
0.0	SS	fg	STRUCT	PR	HEM	St					45	2.0		tw	0.5	0.10							14702		Hemat'zed (alb'zed + silic) non-porphy. frequent 20-30° slips/faults (local intense brx ve) 182.90'; local pitting; speckled sy vfg mt
84.14	SS	fg	STRUCT	PR	HEM	Sc?					0.10	2.5				0.10							14703		Blocky ground - due to flat slips - local clay on slips *
88.80	SS	fg	bnd	gp	chl	St	B	55			0.25	0.3				0.10								4.66	wkly-hematized (grey-green-pink) Frequent 20-30° (calcite-QTZ) veinlets (+); wkly magnetic. at 387.5, 5 cm fine-grained band ± accumulation cleavage evident; QV's exhibit pink hem alt° halo
87.43						QV					100	1.5				2.5							14704		Occ Py with QV. pale green-yellow alt° halos, sheaths of SIK non-conductive carbon + chl assoc. - rubbly
92.00	SS	fmg	cgl	pg	hem	Sc					0.15	0.15				.10							14705*	10.57	Approx 1-9% stretched clasts. wk-mod magnetic due to discrete fg mt grains; blocky core due to flat-low angle fractures with or without calcite-qtz ∪ @ 395, shiny green mica ± py in thin QV (piece included in grab)
401	STRUCTURE	fg	cgl	gp	chl	Sc					3.0	1.5				0.15		0.10					14706		wkly hematitic - v blocky - due to low-mod angle slips coated ± pink calcite-lcle fractures; also cut QV(s)
402.5	STRUCTURE	fg	porph	gp	hem	Sc					0.10	4.5				0.50							14707		wkly hematized; 1-3% alb xlets (accel in areas of network calcite veinlets Fault (65/146) @ 408.2 (50°)
407.96				gp	hem	Sc	F	75			2.0	4.0				0.40							14708		Still foliated (may overlap); wk-mod magnetic

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
ist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
383.0		14702	1.83	.020		685													
384.14		14703	1.14	.001		35													
389.43		14704	1.43	.004		135													
400.0		14705	10.57	.001		35													
401.0		14706	1.0	.002		70													
402.5		14707	1.5	.001		35													
402.96		14708	0.46	.001		35													

	Rock Description						Structure				Alteration Parameters (%)														
	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
405.5	SS	fmg		gp	chl	Sc	B	70			0.10					0.20							14709		Excellent variety of clasts; some stretched (str) - wkly magnetic due to dissem mt
407.0		fmg			chl	Sc					0.10	0.5				2.0							14710		Pos stretch py clast - recrust? Also minute subrounded felsic clasts;
408.5		u			chl	Sc						0.10				2.5							14711		Local thin dikes or clasts lamp (bt) Local cse blue GE; mod. magnetic
417.8	SS	fmg	purp	gy	chl	Sc					0.10	1.0	Pink/white/clay			on slips (t) .10							14712*	9.3	Locally 0-10% pink white rounded clasts 1-2mls · unit hard to scratch. 1-10% stretch clasts Strike vein of qtz-calcite, blk chlorite @ 413.36-413.41 (5) - mtbony (part of sample) From 415-417.8 <2% clasts - less distinctive
418.70					pK	QV					10	3.5	(t)			2.0							14713		Shiny grey-white mica(?) & qtz-calcite (cc to tr slip (5°); pink hem alt° halo
423.0		fmg			gp	hem	B	75			0.3	1.5				0.35							14714*	6.8	Wkly hematized · clasts more evd c/flex 421.5, 41° 420.80, flat pitted pink/calcite vein with gp clots Possibly silicified locally? u) or diffuse grains (mg. c.g.)
426.5	SS	fmg		gy	chl wk	Sc	B	75			1.5	0.5				2.5							14715		Approx 10% stretched, v f g clasts mod magnetic · Local blue GE
427.5	SS	u		gp	hem	Sc					2.0					0.15							14716		Strike and tens'l (low angle to bed)
430.0					ser	QV					35.0	2.0				2.5					3.0		14717		Bleached (pale green-yell) halves; m.g. c.g. py, boudinaged strike veins · dissem

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				opt															
405		14709	2.54	.007		310													
407.0		14710	1.5	.003		105													
408.5		14711	1.5	.002		70													
417.8		14712	9.3	.001		35													
418.2		14713	0.4	.001		35													
425.0		14714	6.8	.004		135													
426.5		14715	1.5	.002		70													
427.5		14716	1.0	.001		35													
428.6		14717	1.1	.008		275													

RADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE — HOLE #: [redacted] —

	Rock Description						Structure				Alteration Parameters (%)														
ist	Com	Grs	Text	Co	Alt	Name1	B	A1	F	A2	Qtz	Cal	Ank		%	Py	Po	Cpy	Sph	Asp	Mt	RQ	Sampl#	Wth	Comments
429.5		fmg		gy	chl	SC					0.5	0.10				10							N718		<2% clasts (f.g.); local qtz-ct ± veining
433.0		"	porph	gp	ARG	SC																		3.5	Approx 1-15% subround QTZ grains Xtals
434.0			porp		ARG	SC					2.0					0.5							14719		Approx 1-3% clr. Xtals; hem halos on QV; also local alg-chl
435.0			"		"	SC					1.0	1.5		tour	0.5	0.40		.15					14720		ppt py on margins of thin QV; then
436.0			-		"	SC					2.5	1.5		"	1.0	2.5		.15					14721		lined of HK tour in QTZ
467.16	SS		porp	pg	hem	SC	F	70			0.25	0.35		tour	0.60	0.10		0.10					14722*	31.16	Arb'ized + Hematized sediment Approx 1% stretched chlorite clasts, Arb'ite as isolated Xtals and local patches often focused about QV. local pink-orange-buff frags. pink-white calcite on low angle joints (ft) local HK Subtle drift QV's which are locally pitted/vuggy; QTZ included in sample
482.30	SS		porph	gp	hem	St	F	70			0.15	0.20				0.10							14723*	15.14	wkly hematized. 0.5-4% clr Xtals. QV exhibit heart halves. local chlorite, St. tourm in veins wk-mod magnetic. local shadey due to low angle fabric
483.40	SS	fg	Snd	gy	chl	St	F	60			15.0	2.5				0.5							14724		Siliceous - grey - v. wkly hematized
485.75	SS	fg		Po	hem	St	F	60			1.0	1.5				0.45							14725		Pink-Orange hematized and mod silicified (f.g to m.g. Xtals); local qtz QV's boudinaged
490.00	SS	fg	porph	pg	hem	St	F	75			0.20	0.30				.10							14726*	14.25	Arb'itized + moderately Hematized Tuff-sed. local bleaching on QV Stylolite-kaolin seams. 1-15% clr. Xtals 0.C. marked by 1-2 cm wide (20°) tension
EOH																									

TRADER RESOURCE CORPORATION / MIKWAM JOINT VENTURE

				Au (g/T)		Au	Cu		Zn		Pb		ppm				%		
Dist	Name1	Sampl#	Width	nfa	cfa	ppb	%	ppm	%	ppm	%	ppm	Ag	Ni	Co	As	SiO2	Na2O	
				~~opX~~															
429.5		14718	0.9	.001		35													
433.0			3.5																
434.0		14719	1.0	.003		105													
435.0		14720	1.0	.005		170													
436.0		14721	1.0	.027		925													
467.16		14722	31.16	.001		35													
482.3		14723	15.14	.001		35													
483.4		14724	1.1	.001		35													
485.75		14725	2.35	.001		35													
500.0		14726	14.25	.001		35													

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: Dec 16/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-15346	<.001	<35					
2	47	<.001	<35					
3	48	<.001	<35					
4	49	<.001	<35					
5	50	.003	105					
6	51	.003	105					
7	52	<.001	<35					
8	53	<.001	<35					
9	54	<.001	<35					
10	55	<.001	<35					
11	56	.004	135					
12	57	.002	70					
13	58	.006	205					
14	59	.011	375					
15	60	.038	1300					
16	61	.002	70					
17	62	.003	105					
18	63	.013	445					
19	64	.011	375					
20	65	.007	240					
21	66	.009	310					
22	67	.020	685					
	68	<.001	<35					
4	D-15369	.010	340					

b16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: DEC16/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-15370	<.001	<35					
2	71	<.001	<35					
3	72	<.001	<35					
4	73	.002	70					
5	74	<.001	<35					
6	75	<.001	<35					
7	76	<.001	<35					
8	77	<.001	<35					
9	78	<.001	<35					
10	79	.009	310					
11	80	.002	70					
12	81	<.001	<35					
13	82	<.001	<35					
14	83	<.001	<35					
15	84	.015	515					
16	85	.011	375					
17	86	.004	135					
18	87	.015	515					
19	88	.008	275					
20	89	.005	170					
21	90	.004	135					
22	91	.010	340					
23	92	.027	925					
24	D-15393	.019	650					

ab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: DEC 16/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-15394	.004	135					
2	95	.006	205					
3	96	.010	340					
4	97	<.001	<35					
5	98	<.001	<35					
6	99	<.001	<35					
7	15400	<.001	<35					
8	01	<.001	<35					
9	02	<.001	<35					
10	03	<.001	<35					
11	04	.001	35					
12	05	.005	170					
13	06	<.001	<35					
14	07	<.001	<35					
15	08	<.001	<35					
16	09	<.001	<35					
17	10	<.001	<35					
18	11	<.001	<35					
19	12	<.001	<35					
20	13	<.001	<35					
21	14	<.001	<35					
22	15	<.001	<35					
23	16	<.001	<35					
24	D-15417	<.001	<35					

Lab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: Dec 17/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	Ag ppm	Cu ppm	Zn ppm	Pb ppm
1	D-15418	<.001	<35					
2	19	.023	790					
3	20	.002	70					
4	21	.001	35					
5	22	<.001	<35					
6	23	<.001	<35					
7	24	<.001	<35					
8	25	<.001	<35					
9	26	.003	105		2.1	291	44.	28.
10	27	<.001	<35		0.7	44.	138.	21.
11	28	<.001	<35		3.4	37.	77.	14.
12	29	.001	35					
13	30	.005	170					
14	31	.018	615					
15	32	.010	340					
16	33	.003	105					
17	34	.002	70					
18	35	<.001	<35					
19	36	.001	35					
20	37	<.001	<35					
21	38	.001	35					
22	39	.011	375					
23	40	<.001	<35					
24	D-15441	.001	35					

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: DEC 17/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-15442	<.001	<35					
2	43	<.001	<35					
3	44	<.001	<35					
4	45	.001	35					
5	46	<.001	<35					
6	47	.003	105					
7	48	<.001	<35					
8	49	<.001	<35					
9	50	<.001	<35					
10	51	.006	205					
11	52	<.001	<35					
12	53	<.001	<35					
13	54	.002	70					
14	55	<.001	<35					
15	56	.010	340				"	
16	57	<.001	<35					
17	58	.006	205			"		
18	59	.001	35					
19	60	<.001	<35					
20	61	.007	240					
21	62	<.001	<35					
22	63	.025	855					
23	64	.005	170					
24	D-15465	<.001	<35					

lab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: DEC 17/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-15466	<.001	<35					
2	67	<.001	<35					
3	68	.001	35					
4	69	<.001	<35					
5	70	.015	515					
6	71	<.001	<35					
7	72	.008	275					
8	73	<.001	<35					
9	74	<.001	<35					
10	75	<.001	<35					
11	D-15476	.009	310					
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

ab16

Chief Chemist: _____

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

EXPLORATION 5600-2703

DATE: Dec 18/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-15477	.002	70					
2	78	.001	35					
3	79	.001	35					
4	80	.002	70					
5	81	<.001	<35					
6	82	<.001	<35					
7	83	.001	35					
8	84	<.001	<35					
9	85	<.001	<35					
10	86	<.001	<35					
11	87	<.001	<35					
12	88	<.001	<35					
13	89	<.001	<35					
14	90	<.001	<35					
15	91	.015	515				"	
16	92	<.001	<35					
17	93	.002	70			"		
18	94	<.001	<35					
19	95	.001	35					
20	96	.010	340					
21	97	<.001	<35					
22	98	<.001	<35					
23	99	<.001	<35					
24	D-15500	<.001	<35					

Lab16

Chief Chemist: _____

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: Dec 18/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm	Ag ppm	Cu ppm	Zn ppm	Pb ppm
1	D-15226	<.001	<35		0.7	59.	116.	102.
2	27	<.001	<35		0.4	28.	172.	12.
3	28	<.001	<35		0.4	22.	68.	5.
4	29	<.001	<35		0.4	46.	67.	8.
5	30	<.001	<35		0.3	25.	54.	5.
6	31	.019	650					
7	32	.001	35					
8	33	.001	35					
9	34	.018	615					
10	35	<.001	<35					
11	36	.011	275					
12	37	<.001	<35					
13	38	.007	240					
14	39	.013	445					
15	40	.006	205					
16	D-15241	.007	240					
17								
18								
19								
20								
21								
22								
23								
24								

Lab16

Chief Chemist: [signature]

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: Dec 22/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-15242	.008	275					
2	43	.004	135					
3	44	.004	135					
4	45	.001	35					
5	46	.003	105					
6	47	.020	685					
7	48	.010	340					
8	49	.007	240					
9	15250	.008	275					
10	14701	.002	70					
11	02	.020	685					
12	03	<.001	<35					
13	04	.004	135					
14	05	<.001	<35					
15	06	.002	70					
16	07	.001	35					
17	08	.001	35					
18	09	.009	310					
19	10	.003	105					
20	11	.002	70					
21	12	<.001	<35					
22	13	<.001	<35					
23	14	.004	135					
24	D-14715	.002	70					

Lab16

Chief Chemist:

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5600-2703

DATE: Dec 22/92

	SAMPLE NUMBER	Au oz/ton	Au ppb	Au ppm				
1	D-14716	<.001	<35					
2	17	.008	275					
3	18	<.001	<35					
4	19	.003	105					
5	20	.005	170					
6	21	.027	925					
7	22	<.001	<35					
8	23	<.001	<35					
9	24	<.001	<35					
10	25	<.001	<35					
11	D-14726	<.001	<35					
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

lab16

Chief Chemist: [signature]

ALPHA-NUMERIC GEOLOGY LEGEND

FOR

GEOLOGICAL COMPILATIONS

TIMMINS - KIRKLAND LAKE

Revised August 1992

1 KOMATIITIC VOLCANICS

1	Unsubdivided
1s	Serpentinized, massive, polysutured, peridotitic komatiite
1ox	Olivine-spinifex textured peridotitic komatiitic flows
1px	Pyroxene-spinifex textured basaltic komatiitic flows
1mb	Massive basaltic komatiite
1m	Massive
1p	Pillowed
1c	Carbonatized peridotitic komatiite
1t	Talcose
1b	Basaltic komatiite
1cb	Carbonatized basaltic komatiite

2 THOLEIITIC VOLCANICS

2	Unsubdivided
2m	Massive
2p	Pillowed
2a	Amygdaloidal
2apl	Amygdaloidal pillow lava
2v	Variolitic
2t	Tuff, lapilli-tuff
2b	Breccia
2c	Carbonatized
2pb	Pillow Breccia
2h	Hyaloclastite
2ag	Agglomerate
2am	Amphibolitized
2scf	Spherulitic, chicken-feed
2sch	Schistose
2sh	Shear
2F	Dominantly Fe-tholeiite
2M	Dominantly Mg-tholeiite
2AL	Dominantly AL-tholeiite
2I	Dominantly Icelandite

3 CALC-ALKALIC MAFIC VOLCANICS (MAFIC-INTERMEDIATE VOLCANICS)

3	Unsubdivided
3a	Andesite
3m	Massive
3p	Pillowed
3t, 3lt	Tuff, lapilli-tuff
3b	Breccia
3c	Carbonatized
3am	Amphibolitized
3pb	Pillow brx
3sh	Shear

4 INTERMEDIATE-FELSIC VOLCANICS

4d	Dacite
4rd	Rhyodacite flows
4dt	Dacite tuffs
4dp	Dacite pyroclastics
4da	Agglomerate-breccia, conglomerate
4dlt	Dacite lapilli tuff
4dm	Dacite massive flow
4p	Intermediate-felsic pyroclastics
4r	Rhyolite-undifferentiated
4sch	Intermediate-felsic schist
4sh	Shear
4rm	Massive rhyolite
4rt	Rhyolite tuff
4rlt	Rhyolite lapilli tuff
4ra	Rhyolite agglomerate
qp	(quartz-eye porphyritic)
pp	(plagioclase-porphyritic)
4phyl	Phyllite

P	denotes Primitive
E	denotes Evolved

5 SEDIMENTS

5	Unsubdivided
5a	Argillite
5c	Conglomerate
5g	Greywacke
5sl	Slate
5p	Porphyritic, qp (quartz-eye porphyritic), pp (plagioclase-porphyritic)
5d	Debris flow
5q	Quartzite
5qw	Quartz wacke
5gr	Graphite
5ch	Chert
5ag	Agglomerate
5t	Tuffaceous-sediment
5s	Siltstone
5ss	Sandstone
5sch	Schist
5sh	Shear
5ex	Exhalite
5tqp	Quartz porphyritic tuff
5phyl	Phyllite
GFZ	Graphitic Fault Zone

K	denotes Keewatin
T	denotes Timiskaming

6 ULTRAMAFIC INTRUSIVE ROCKS

6	Unsubdivided
6s	Serpentinized diorite-peridotite
6ph	Pyroxene-hornblende
6c	Carbonatized
6tm	Talc-magnesite

7 MAFIC INTRUSIVE ROCKS

7	Unsubdivided
7a	Anorthosite
7d	Diorite
7g	Gabbro
7qg	Quartz gabbro
7pg	Pegmatoidal gabbro
7l	Lamprophyre
7ib	Intrusive breccia
7n	Nipissing Diabase-type sills

8 FELSIC INTRUSIVE ROCKS

8	Unsubdivided
8qp	Quartz porphyry
8fp	Feldspar porphyry
8qfp	Quartz feldspar porphyry
8f	Felsite, p (porphyritic), qp (quartz-eye porphyritic), pp (plagioclase-porphyritic)
8hbt	Hornblende-biotite trondhjemite
8pm	Porphyritic monzonite
8gd	Granodiorite
8pg	Porphyritic granodiorite
8lg	Leucocratic granodiorite
8hd	Hornblende diorite
8qd	Quartz diorite
8p	Porphyry
8a	Aplite
8s	Syenite
8g	Granite or quartz-rich syenite
8t	Trachyte

9 MATACHEWAN DIABASE

10 HURONIAN SEDIMENTS

10a	Arkose
10w	Wacke
10arg	Argillite
10c	Conglomerate

11 QUARTZ DIABASE

12 OLIVINE DIABASE

IRON FORMATION

IFo	Oxide
IFs	Sulphide (py-po)
IFc	Carbonate
IFj	Jasper
BIF	Banded iron formation
IFchl	Chlorite-rich
IFgr	Graphitic

SULPHIDES

DS	Disseminated sulphides
SS	Stringer sulphides
MS	Massive sulphides
SMS	Semi-massive sulphides

OXIDES

Mt	Magnetite (80-100%)

QAV	Quartz ankerite veining

ALTERATION

These abbreviations are used after a lithology, if desired.

3m,s	Would denote a massive calc-alkalic mafic volcanic which is sericitized
chl	Chloritic
chty	Cherty
s or ser*	Sericitic
sil	Silicified
ank	Ankerite
cc	Calcite
c	Carbon
cb	Carbonate
h	Hematite
alb	Albitized
fu	Fuchsitic
mt	Magnetite
sh	Sheared
tcb	Talc carbonate schist
tcs	Talc chlorite schist
gr	Graphitic
arg	Argillaceous
sch	Schist
gt	Garnet
oxd	Oxidized
bl	Bleached
epd	Epidote
serp	Serpentinized

* where computer space permits, use **ser**

TEXTURE

fg	Fine grained
mg	Medium grained
cg	Coarse grained
bx	Breccia
frag	Fragments
pf	Primary fragmentals
tf	Tectonic fragmentals
qp	Quartz phyric
qfp	Quartz feldspar phyric
fp	Feldspar phyric
pyr	Pyroclastics
bed	Bedded
bnd	Banded

SCHEDULE A

CLAIM LIST

Bradette Twp., Ontario	L591375-378 incl.	(4)
	L591380-394 incl.	(15)
	L624881-884 incl.	(4)
	L633372-411 incl.	(40)
	L633452-491 incl.	(40)
	L633628-634 incl.	(7)
	L633637-638 incl.	(2)
	L634392-394 incl.	(3)
	L636955-962 incl.	(8)
		123
Hoblitzell Twp., Ontario	L628595-630 incl.	(36)
	L628634-684 incl.	(51)
		87
Noseworthy Twp., Ontario	L624885-900 incl.	(16)
	L624981-990 incl.	(10)
	L628685-694 incl.	(10)
	L633106-107 incl.	(2)
	L633130-132 incl.	(3)
	L633269-273 incl.	(5)
	L633312-371 incl.	(60)
	L633412-451 incl.	(40)
	L633548-566 incl.	(19)
	L633627	(1)
	L633641-656 incl.	(16)
	L634364-391 incl.	(28)
	L733738-758 incl.	(21)
	L733761	(1)
	L784535-536 incl.	(2)
	L810232-273 incl.	(42)
	L814606-615 incl.	(10)
	L839437-475 incl.	(39)
	L839487-527 incl.	(41)
		366
Dieppe Twp., Quebec	420620, 1-5 incl.	(5)
	420621, 1-5 incl.	(5)
	420622, 1-2 incl.	(2)
		12
	GRAND TOTAL	**588**
	TOTAL ACRES	**24,042 (9,729 hectares)**

AFRO

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W [illegible].00302

Personal information collected on this form is obtained under the authority [illegible] out this collection should be directed to the Provincial Manager, Mining Lan[illegible] set, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7284.

[redacted]
32E12SE0002 W9380-00302 HOBLITZELL

900 g

Instructions:
- Please type or print and submit in duplica[illegible]
- Refer to the Mining Act and Regulations . Recorder.
- A separate copy of this form must be completed for each Work Group.
- Technical reports and maps must accompany this form in duplicate.
- A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s): ROYAL OAK MINES Inc. for Trader Resource Corp.			Client No.: 136226
Address: P.O. BAG 2010, Timmins, Ont, P4N 7X7			Telephone No.: 705-360-1141
Mining Division: LARDER	Township/Area: Hoblitzell, BRADETTE, Nose WORTHY		M or G Plan No.:
Dates Work Performed: From: June 15 [redacted] DECEMBER 1	To: July 3, 1992 December 16, 1992		

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	
✓	Physical Work, Including Drilling	Diamond drilling
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

ONTARIO GEOLOGICAL SURVEY
GIS - ASSESSMENT FILES
MAR 2 4 [illegible]
RECEIVED

Total Assessment Work Claimed on the Attached Statement of Costs $ 311,418.00

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Paul Coad	528 Murray St, Timmins, Ontario, P4N 7A9
Peter Harvey	P.O. Box 1555, South Porcupine, Ont. P0N 1H0
Bradley Bros. Ltd.	P.O. Box 2367, Rouyn-Noranda, Québec J9X 5A9

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

PRC

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date: Nov. 10 1993	Recorded Holder or Agent (Signature): Paul Coad

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying: Paul Coad 528 Murray St. Timmins, Ontario, P4N 7A9

Telepone No.	Date	Certified By (Signature)
705-264-1806	PRC Nov. 10, 1993	Paul Coad

GEOLOGICAL ASSOCIATION OF CANADA
P. R. COAD

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
$132528	Nov 16/93	Ronald Stoltz	TIMMINS LAKE DIVISION 93 NOV 16 AM 9 29 RECEIVED
Reserve $178890.	Deemed Approval Date: Feb 14/94	Date Approved: Feb 10/94.	
	Date Notice for Amendments Sent		

FH acting

0241 (03/91)

Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	591376			800.00		
	591378			"		
	591381			"		
	591382			"		
	591383			"		
	591384			"		
	591385			"		
	591386			"		
	591387			"		
	591388			"		
	591389			"		
	591390			"		
	591391			"		
	591392			"		
	591393			"		
	591394			"		
	624881			"		
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

41 (03/91)

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3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

(1)

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date

Number for Applying Reserve	Claim Number (see Note 2)	of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	624882			800.00		
	624883			"		
	624884			"		
	624885			"		
	624886			"		
	624887			"		
	624888			"		
	624889			"		
	624890			"		
	624891			"		
	624892			"		
	624893			"		
	624894			"		
	624895			"		
	624896			"		
	624897			"		
	624900 ~~[illegible]~~			"		
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

41 (03/91)

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2

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Number for Applying Reserve	Claim Number (see Note 2)	of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	624981			800.00		
	624982			"		
	624983			"		
	624984			"		
	624985			"		
	624986			"		
	624987			"		
	624988			"		
	624989			"		
	624990			"		
	628655		28,028.00	400.00	12,000.00	16,028.00
	628660		43,599.00	"	12,000.00	31,599.00
	628668		3,114.00	"	3114.00	0
	628669		12457.00	"	12,000.00	457.00
	628673		56,055.00	400.00	12,000.00	44,055.00
	633106			800.00		
	633107			800.00		
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

11 (03/91)

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Number for Applying Reserve	Claim Number (see Note 2)	of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	633130			800.00		
	633131			"		
	633132			"		
	633269			"		
	633270			"		
	633271			"		
	633272			"		
	633273			"		
	633312			"		
	633314			"		
	633315			"		
	633316			"		
	633317			"		
	633320			"		
	633321			"		
	633322			"		
	633323			"		
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

1 (03/91)

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Signature

Date

Number for Applying Reserve	Claim Number (see Note 2)	of Claim Units	Assessment Work Done on this Claim	Applied to this Claim	Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	633 324			800.00		
	633 325			"		
	633 326			"		
	633 330			"		
	633 331			"		
	633 332			"		
	633 333			"		
	633334			"		
	633335			"		
	633336			"		
	633337			"		
	633338			"		
	633 339			"		
	633 341			"		
	633 342			"		
	633343			"		
	633 344			"		
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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11 (03/91)

Number for Applying Reserve	Claim Number (see Note 2)	of Claim Units	Assessment Work Done on this Claim	Applied to this Claim	Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	633346			800.00		
	633347			"		
	633350			"		
	633351			"		
	633352			800.00		
	633353			770.00		
	633354			800.00		
	633355			"		
	~~633356~~			~~800.00~~		
	633357			800.00		
	633358			"		
	633359			"		
	633360			"		
	633362			"		
	633363			"		
	633364			"		
	633365			"		
	633366			"		
	Total Number of Claims		**Total Value Work Done**	**Total Value Work Applied**	**Total Assigned From**	**Total Reserve**

11 (03/91)

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6

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I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date

41 (03/91)

Number of Claim Units	Claim Number (see Note 2)	Number for Applying Reserve	Value Applied to this Claim	Assessment Work Done on this Claim	Total Value Work Applied	Total Value Work Done	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date	Total Assigned From	Total Reserve
	633367		800.00		5					
	633368		4		5					
	633369		5		5					
	633370		5		5					
	633371		5		5					
	633372		5		5					
	633373		5		5					
	633374		5		5					
	633375		5		5					
	633376		5		5					
	633377		5		5					
	633378		5		5					
	633380		5		5					
	633381		5		5					
	~~633381~~		~~5~~		~~5~~					
Total Number of Claims	633382		5		5					

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I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date

1 (03/91)

Number for Applying Reserve	Claim Number (see Note 2)	# of Claim Units	Total Number of Claims	Assessment Work Done on this Claim	Value Applied to this Claim	Total Value Work Done	Total Value Work Applied	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date	Total Assigned From	Total Reserve
	633383				$20.00						
	633384				〃		〃				
	633385				〃		〃				
	633386				〃		〃				
	633387				〃		〃				
	633388				〃		〃				
	633389				〃		〃				
	633390				〃		〃				
	633391				〃		〃				
	633392				〃		〃				
	633393				〃		〃				
	633394				〃		〃				
	633395				〃		〃				
	633396				〃		〃				
	633397				〃		〃				
	633398				〃		〃				
	633399				〃		〃				

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(X)

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Number for Applying Reserve	Claim Number (see Note 2)	of Claim Units	Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	633400			800.00		
	633401			"		
	633402			"		
	633403			"		
	633404			"		
	633405			"		
	633406			"		
	633407			"		
	633408			"		
	633410			"		
	633411			"		
	633412			"		
	633413		15570.00	800.00	12,000.00	3570.00
	633414		18,685.00	800.00	12,000.00	6685.00
	633415			"		
	633416			"		
	633417			"		
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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11 (03/91)

Report number for applying reserve	Claim Number (see Note 2)	Number of Claim Units	Assessment Value of Assessment Work Done on this Claim	Applied Value Applied to this Claim	from Value Assigned from this Claim	Claimed at Reserve: Work to be Claimed at a Future Date
	633418			800.00		
	633419			"		
	633420			"		
	633421			"		
	633427			"		
	633428			"		
	633429		28,028.00	800.00	12,000.00 ✓	16,028.00
	633430		34,256.00	"	PRC ~~12,000.00~~ 8958.00 ✓	25,298.00 PRC ~~22,256.00~~
	633431		6,228.00	"	6228.00 ✓	0
	633432			"		
	633433			"		
	633434		12,457.00	$558.00 PRC	12,000.00 ✓	457.00
	633435		6228.00	$400.00 PRC	6228.00 ✓	0
	633437		46,713.00	$400.00 PRC	12,000.00 ✓	34,713.00
	633558			400.00 PRC		
	633562			$400.00 PRC		
	634374			$400.00 PRC		
			~~34~~ (133913)	(11358 ✓	~~12,000.00~~	(76
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

Revisions on this sheet Dec. 23/93 P. Cram

10

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Total Number of Claims	Claim Units	(see Note 2)	Applying Reserve	Work Done on this Claim	Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve	Claimed at a Future Date	from this Claim	to this Claim
		634380		$400.00	$531,728.00	$132,528.00 PRC	$132,528.00 PRC	$178,870.00 PRC			$400.00 PRC
		634386		$400.00							$400.00 PRC

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		2021.12.1

Ministry of Northern Development and Mines

Ontario

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No/N° de transaction
DOCUMENT
NW 9380 • 00307

Personal information collected on this form is obtained under the authority of the **Mining Act**. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la **Loi sur les mines** et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		[illegible]
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type DDH	218,059.00	
	Assays	12,022.00	
			230,081.00
Supplies Used Fournitures utilisées	Type Computer	5,139.00	
	Core Storage	2910.00	
	Blades		
			8,049.00
Equipment Rental Location de matériel	Type Other various things - see detailed cost	11,622.00	
	Statement		[illegible]
	Total Direct Costs Total des coûts directs		[illegible]

2. Indirect Costs/Coûts indirects

** **Note:** When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type vehicle lease	3521.00	
	fuel	1143.00	
Food and Lodging Nourriture et hébergement		599.00	
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		5263.00
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles**		$ 211,418.00

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.

2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as I. Cord, Sr. Project Geologist I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation

Signature	Date
I. Cord	NOV. 10, 1993

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

G-3479

BRADETTE TWP

NOSEWORTHY TWP.

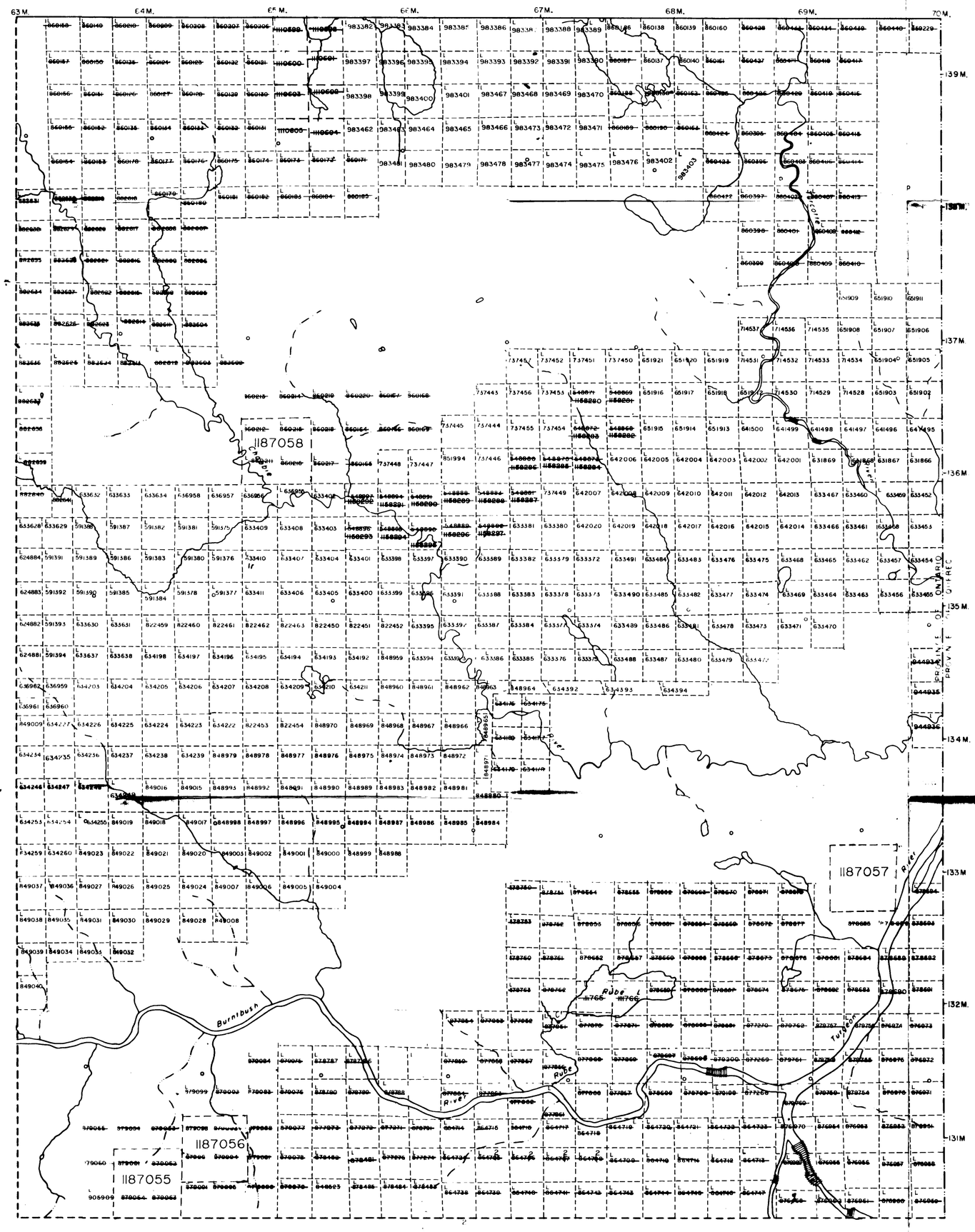
AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY

S.R.O. – SURFACE RIGHTS ONLY

M.+S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File



ST. LAURENT TWP.

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC
  - LOTS, MINING CLAIMS, PARCELS, ETC
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◒
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	■
" MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊕
CANCELLED	⊕
SAND & GRAVEL	◔

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC 63, SUBSEC 1

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

DATE OF ISSUE

JUL 11 1989

LARDER LAKE MINING RECORDER'S OFFICE

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON

TOWNSHIP

BRADETTE

M.N.R. ADMINISTRATIVE DISTRICT

COCHRANE

MINING DIVISION

LARDER LAKE

LAND TITLES / REGISTRY DIVISION

COCHRANE

Ontario Ministry of Natural Resources (D)(L)

Ministry of Northern Development and Mines

Date DECEMBER 1986

Number G-3479

DATE RECEIVED JUNE 7 1989

54 M 55 M 56 M 57 M 58 M 60 M 61 M 62 M 63

118163
(4 UNITS)

118162
(4 UNITS)

118161
(4 UNITS)

118059
(4 UNITS)

HOBLITZELL TOWNSHIP

PROJECTED LINE

BRADETTE TOWNSHIP

PROJECTED LINE

HURTUBISE TOWNSHIP

LEGEND

HIGHWAY AND NUMBER
OTHER ROADS
TRAILS
SURVEYS
TOWNSHIP, BASE LINE, ETC.
LOT, MINING CLAIM, PARCEL, ETC.
UNSURVEYED LINES
LOT
PARCEL BOUNDARY
MINING CLAIMS ETC.
RAILWAY AND RIGHT OF WAY
UTILITY LINE
NORTHERN AFFAIRS PLAN
FEDERAL RESERVE, RIGHTS
SUBDIVISION, COMPOSITE PLAN
RESERVATIONS
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
PATENT, SURFACE RIGHTS ONLY	◒
PATENT, MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
LEASE, SURFACE RIGHTS ONLY	■
LEASE, MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION	▼
ORDER IN COUNCIL	OC
RESERVATION	R
CANCELLED	⊗
SAND & GRAVEL	S
Remote tourist set-up	RTS

NOTE: PATENTED MINING CLAIMS AND PARCELS PATENTED PRIOR TO MAY 6, 1913 ARE RESERVED TO ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1980, CHAP. 380, SEC. 63, SUBSEC. 1

Scale 1:20 000

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

TOWNSHIP

NOSEWORTHY

M N R ADMINISTRATIVE DISTRICT

COCHRANE

MINING DIVISION

LARDER LAKE

LAND TITLES / REGISTRY DIVISION

COCHRANE

Ministry of Natural Resources

Ministry of Northern Development and Mines

SEPTEMBER, 1986

Number

G-3549

Received Oct 27/86

46 M 48 M 49 M 50 M 51 M 52 M 53 M 54 M

Soucie Cr
Soucie
Lake
East Soucie Lake
Soucie Creek
Soucie
Mikwom River
Mikwom
Porphyry
Porphyry
West Porphyry L
Porphyry L
Little Porphyry L
Little Porphyry
Hurrbush
R 15
1187174
1181229
1181228
1187175
56
NO OPEN GROUND
PROJECTED
BLAKELOCK TOWNSHIP
NOSEWORTHY TOWNSHIP
TOMLINSON TOWNSHIP
HOBLITZELL TWP.

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◓
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	▬
" , MINING RIGHTS ONLY	▬
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	(R)
CANCELLED	⊗
SAND & GRAVEL	(S)
Remote tourist set-up	RTS

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

SCALE

500 Metres 0 1000 Metres

1:20 000

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

DATE OF ISSUE
SEP 12 1994
LARDER LAKE MINING RECORDER'S OFFICE

TOWNSHIP

HOBLITZELL

M.N.R. ADMINISTRATIVE DISTRICT
COCHRANE
MINING DIVISION
LARDER LAKE
LAND TITLES / REGISTRY DIVISION
COCHRANE

Ontario Ministry of Natural Resources

Date OCTOBER 1986

Number G-3513

L:3100

L:3000

L:2900

L:2800

L:2700

L:2600

N:-2600 N:-2500 N:-2400 N:-2300 N:-2200 N:-2100 N:-2000

NORTH

MK92-1
(2410S, 3200E)
-50, Az 360°

I.P. ANOMALY

MAGNETIC AXIS HIGH

I.P. ANOMALY

4.97 g/t (3.0m)
91.5-94.5
(2% QTZ, 2% Ank, 0.5% Py, 0.3% Po)

TREND OF MINERALIZED ZONE?

5.62 g/t (7.2m)
218-225.2
(52% QTZ, 25% Py, 3% Aspy, tr sph)

Silicified

fold repeated by beds! Range: 12-25 cm wide; Best .98 g/t Au/1.5m!

variable bedding angles (ie. folded)

Silicified

MK92_1

275m (EOH)
197m V.

LEGEND

12 OLIVINE DIABASE

11 QUARTZ DIABASE

10 HURONIAN SEDIMENTS

Ogg Gritstone
Ogw Wacke
Ogcg Conglomerate

9 MATACHEWAN DIABASE

8 FELSIC INTRUSIVE ROCKS

1 Undifferentiated
Quartz porphyry
Feldspar porphyry
Quartz - feldspar porphyry
Quartz - feldspar porphyry, or fragmental, or lithophysae
porphyritic
Porphyritic-textured rhyolite
Porphyritic rhyolite
Rhyolite
Porphyritic granodiorite
Leucocratic granodiorite
Granodiorite
Granite
Pegmatite
Aplite
Granite or quartz-rich syenite
Trondjhemite

7 MAFIC INTRUSIVE ROCKS

1 Undifferentiated
Gabbro
Diorite
Quartz gabbro
Quartz-feldspar porphyry
Lamprophyre
Kersantite, Vogesite
Spessartite, Minette

6 ULTRAMAFIC INTRUSIVE ROCKS

1 Undifferentiated
Serpentinized ultramafic rock/dunite
Pyroxenite/peridotite
Serpentinized

5 SEDIMENTS

1 Undifferentiated
Argillite
Greywacke
Arkose
Slate
Metasediments, or fragmental, or lithophysae
Siltstone (Lake)
Quartzite
Chert
Chert breccia
Conglomerate
Greywacke-conglomerate
Slate
Siltstone
Arkose
Wacke
Graphitic argillite
Graphitic tuff
Graphitic wacke
Graphitic tuff
Graphitic conglomerate
Graphitic argillite (after)
Graphitic wacke (after)
Graphitic tuff (after)
Graphitic conglomerate (after)
Algoma Iron Formation
Algoma Peak Zone

4 INTERMEDIATE-FELSIC VOLCANICS

1 Dacite
Rhyodacite flows
Dacite tuffs
Dacite porphyries
Dacite porphyries - conglomerates
Dacite tuffs and flows
Dacite breccia flows
Hornblende-feldspar porphyries
Hornblende-feldspar porphyry
Hornblende-feldspar porphyry (after)
Rhyolite
Rhyolite flow
Rhyolite tuff
Rhyolite tuffs (after)
Rhyolite agglomerate
Rhyolite porphyry (after)
Rhyolite

3 CALC-ALKALIC MAFIC VOLCANICS (MAFIC-INTERMEDIATE VOLCANICS)

1 Undifferentiated
Andesite
Basalts
Basalt flows
Basalt tuff-tuff
Basalt tuff
Carbonatized
Agglomerated
Agglomerate
Agglomeratic
Spherulitic, diabase-feed
Diabase
Gabbro
Basalt-early Fe-tholeiite
Basalt-early Mg-tholeiite
Basalt-early Al-tholeiite
Basalt-early Al-tholeiite

2 KOMATIITIC VOLCANICS

1 Undifferentiated
Undifferentiated ultramafic, ultramafic-mafic komatiite
Olivine-spinifex textured pyroxenite komatiite flows
Pyroxene-spinifex textured basaltic komatiite flows
Basaltic komatiite
Olivinite
Peridotite
Serpentinized peridotite komatiite
Talcose
Basaltic komatiite
Carbonatized basaltic komatiite

IRON FORMATION

Ogfm Facies
Ogfmm Magnetite (pyrox)
Ogfmc Carbonate
Ogfmi Silicate
Ogfmh Banded iron formation
Ogfmh Chert-magnetite
Ogfgr Graphitic

SULPHIDES

Opy Disseminated sulphides
Opy Massive sulphides
Opy Massive sulphides
Opy Massive sulphides

OXIDES

Om Magnetite (20-100%)

Qtz Quartz veining; veining

ALTERATION

These abbreviations are used after a lithology, if desired.

Ab Albite
Chl Chlorite
Carb Carbonate
Ser Sericite
Act Actinolite
Ank Ankerite
Ctd Chloritoid
Cpx Clinopyroxene
Cum Cummingtonite
Ep Epidote
Fuch Fuchsite
Gru Grunerite
Hbl Hornblende
Kfs Potassium feldspar
Ms Muscovite
Opx Orthopyroxene
Phl Phlogopite
Pl Plagioclase
Py Pyrite
Qtz Quartz
Rt Rutile
Sid Siderite
Tc Talc
Tr Tremolite
Zo Zoisite

* where subsequent quartz prevails, use qtz

TEXTURE

Phe Phenocrysts
Fine grained
Coarse grained
Porphyritic
Massive
Foliated
Schistose
Fragmental
Volcanic fragmental
Volcanic breccia
Volcanic tuff
Quartz-feldspar phyric
Feldspar phyric
Pillowed
Amygdaloidal

GEOLOGICAL ASSOCIATION OF CANADA
R. R. COAD
FELLOW

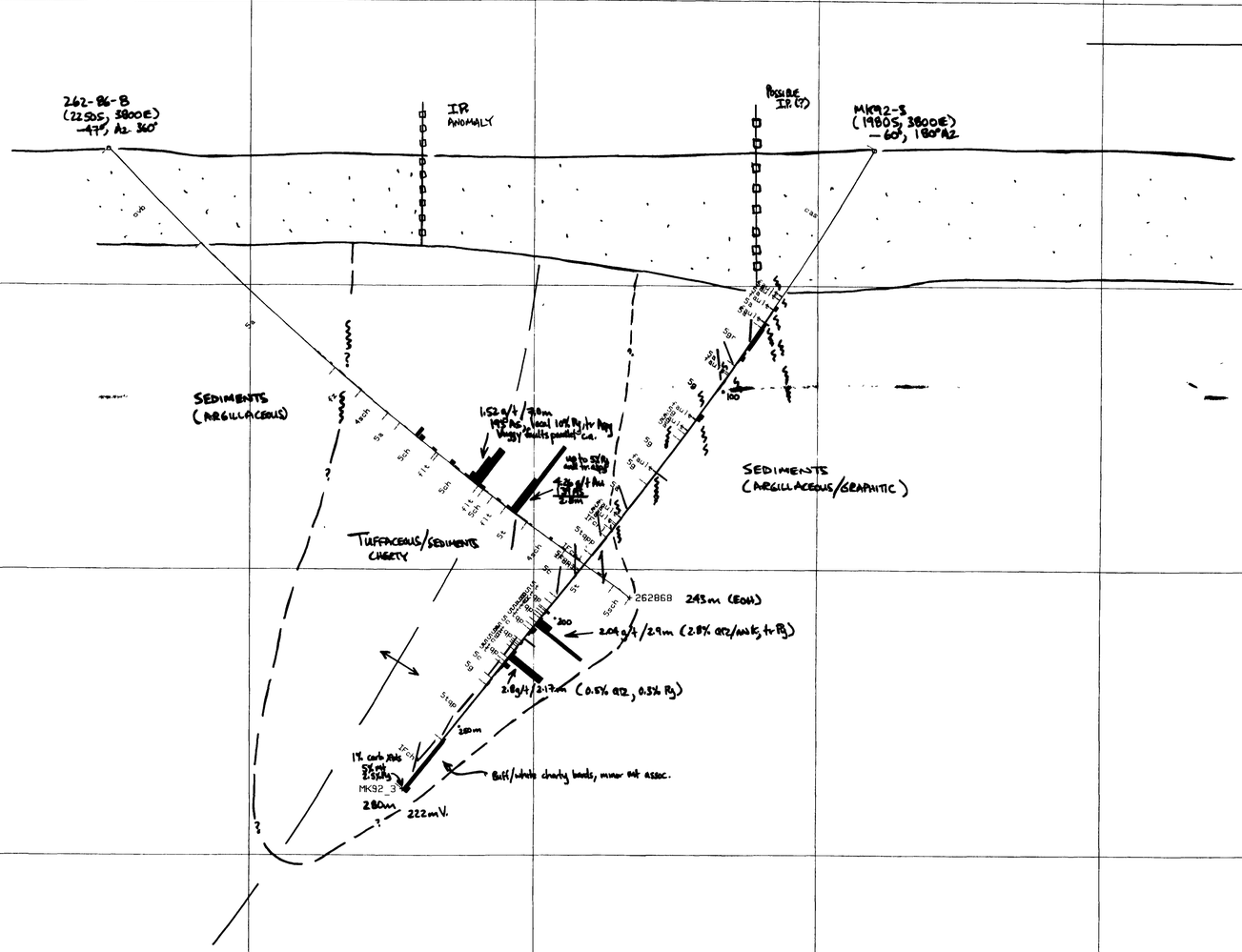
MIKWAM JOINT VENTURE

1992 DRILLING NOSEWORTHY TWP.
SECTION 3200 EAST - MK92-1
Au-ppb 1mm/200 ppb Au

SCALE 1:1000
0 50 100 M

JULY 1992 | 1:1000 | DWG MIK49

TRADER RESOURCE CORP.



LEGEND

12 OLIVINE DIABASE

11 QUARTZ DIABASE

10 HURONIAN SEDIMENTS

Arkose
Wacke
Conglomerate

9 MATACHEWAN DIABASE

8 FELSIC INTRUSIVE ROCKS

Undifferentiated
Quartz porphyry
Feldspar porphyry
Quartz-feldspar porphyry
Felsite, fp (quartz-eye porphyritic), qp (quartz-eye porphyritic), pp (plagioclase porphyritic)
Fine-grained felsic intrusion
Porphyritic microgranite
Porphyritic granodiorite
Leucocratic granodiorite
Granodiorite, diorite
Aplite
Pegmatite
Quartz vein
Siliceous or quartz-rich granofels
Tourmaline

7 MAFIC INTRUSIVE ROCKS

Undifferentiated
Amphibolite
Diorite
Gabbro
Quartz gabbro
Feldspathic gabbro
Leucogabbro
Porphyritic gabbro
Quartz-feldspar porphyry sills

6 ULTRAMAFIC INTRUSIVE ROCKS

Undifferentiated
Intermediate-ultramafic porphyries
Feldspar-hornblende
Carbonatized
Talc-magnesite

5 SEDIMENTS

Undifferentiated
Argillite
Conglomerate
Greywacke
Siltstone
Porphyritic, fp (quartz-eye porphyritic), pp (plagioclase porphyritic)
Wacke
Chert
Quartz breccia
Cherty
Tuffaceous
Calcareous
Graphitic
Siliceous
Iron formation
Pyrite
Pyrrhotite
Quartz porphyritic sill
Chert
Graphitic Fault Zone
S Siamese Succession
T Siamese Transitionary

4 INTERMEDIATE-FELSIC VOLCANICS

Dacite
Rhyodacite flows
Dacite tuffs
Rhyodacite pyroclastics
Agglomerate breccia, conglomerate
Felsic lapilli tuff
Felsic ashtuff
Felsic crystal tuff
Feldspathic/quartz phyric
Feldspathic/quartz eye
Intermediate-felsic tuffs
Felsic
Rhyolite flows
Rhyolite tuff
Rhyolite lapilli tuff
Rhyolite agglomerate
Rhyolite (agglomerate, (quartz-eye porphyritic)
Rhyolite (quartz porphyritic)
Fp Feldspar porphyritic
F Siamese Formation
D Siamese Duckhead

3 CALC-ALKALIC MAFIC VOLCANICS (MAFIC-INTERMEDIATE VOLCANICS)

Undifferentiated
Andesite flows
Basalt flows
Pillowed
Amygdaloidal
Basalt lapilli tuff
Basalt ash tuff
Carbonatized
Amygdaloidal
Pillow lava
Flows

3 THOLEITIC VOLCANICS

Undifferentiated
Pillowed
Amygdaloidal
Massive to pillowed pillow lava
Amygdaloidal
Tuff, lapilli-tuff
Breccia
Clinker breccia
Flow breccia
Hyaloclastite
Agglomerate
Carbonatized
Intermediate-felsic-ultramafic-fault
Schistose
Flow
Flow
Commonly fine-grained
Commonly fine-medium
Commonly fine-medium
Commonly 2-3 mm phyric
Commonly intrusive

2 KOMATIITIC VOLCANICS

Undifferentiated
Serpentinized, massive, pyroxenitic, peridotitic komatiite
Olivine-spinifex textured peridotitic komatiite flows
Pyroxene-spinifex textured basaltic komatiite flow
Massive basaltic komatiite
Massive
Pillowed
Serpentinized peridotitic komatiite
Cumulate
Basaltic komatiite
Basaltic komatiite
Carbonatized basaltic komatiite

IRON FORMATION

Oxide
Sulphide (py-po)
Carbonate
Silicate
Banded iron formation
Chlorite-rich
Graphitic

SULPHIDES

Disseminated sulphides
Stringer sulphides
Massive sulphides
Semi-massive sulphides

OXIDES

Mt Magnetite (50-100%)
Qtz Quartz eyes/veining

ALTERATION

These abbreviations are used after a lithology, if desired.

Weak Strong = massive mic-chlorite-mafic volcanic which is carbonized
Chlorite
Chert
Silicified
Sericite
Albitite
Calcite
Quartz
Carbonate
Carbonatized
Albitized
Pyrite
Pyrrhotite
Magnetite
Hematite
Iron carbonate veins
Talc-chlorite veins
Graphite
Sphalerite
Ankerite
Epidote
Quartz
Garnet
Gahnite
Biotite
Sericitized

* where manpower space permits, use asr

TEXTURES

Fine grained
Medium grained
Coarse grained
Breccia
Fragmental
Clastic fragments
Crystal fragments
Quartz phyric
Quartz eye phyric
Feldspar phyric
Porphyritic
Banded
Foliated

MIKWAM JOINT VENTURE

1992 DRILLING NOSEWORTHY TWP.

SECTION 3800E - MK92-3 & 262868

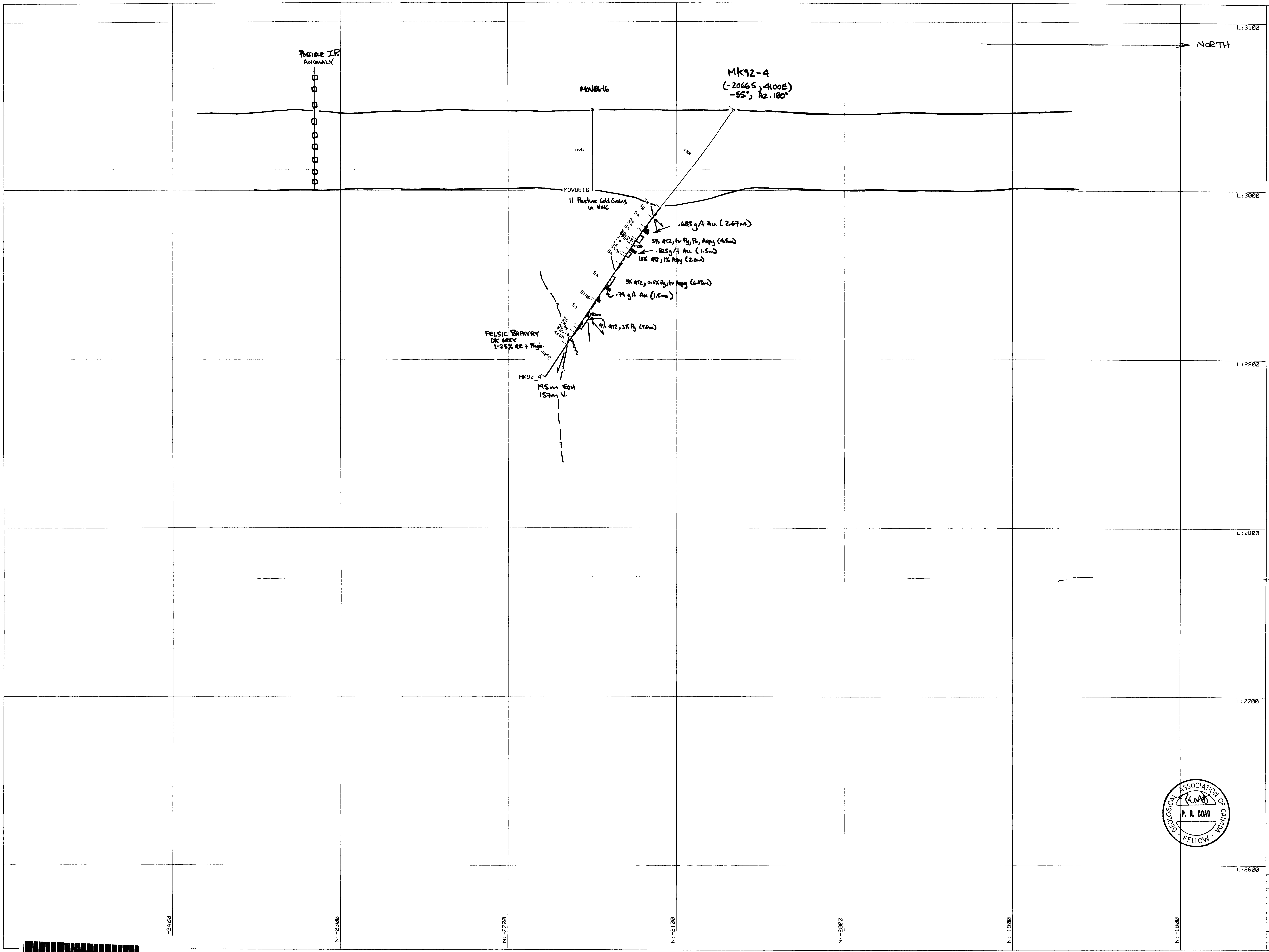
Au-ppb 1mm/200 ppb Au

SCALE 1:1000

JULY 1992 | 1:1000 | DWG MIK50

TRADER RESOURCE CORP.

GEOLOGICAL ASSOCIATION OF CANADA · FELLOW · P. R. COAD 1500



LEGEND

12 OLIVINE DIABASE

11 QUARTZ DIABASE

10 HURONIAN SEDIMENTS

10a	Arkose
10w	Wacke
10arg	Argillite
10c	Conglomerate

9 MATACHEWAN DIABASE

8 FELSIC INTRUSIVE ROCKS

8	Unsubdivided
8qp	Quartz porphyry
8fp	Feldspar porphyry
8qfp	Quartz feldspar porphyry
8f	Felsite, p (porphyritic), qp (quartz-eye porphyritic), pp (plagioclase-porphyritic)
8hbt	Hornblende-biotite trondhjemite
8pm	Porphyritic monzonite
8gd	Granodiorite
8pg	Porphyritic granodiorite
8lg	Leucocratic granodiorite
8hd	Hornblende diorite
8qd	Quartz diorite
8p	Porphyry
8a	Aplite
8s	Syenite
8g	Granite or quartz-rich syenite
8t	Trachyte

7 MAFIC INTRUSIVE ROCKS

7	Unsubdivided
7a	Anorthosite
7d	Diorite
7g	Gabbro
7qg	Quartz gabbro
7pg	Pegmatoidal gabbro
7l	Lamprophyre
7ib	Intrusive breccia
7n	Nipissing Diabase-type sills

6 ULTRAMAFIC INTRUSIVE ROCKS

6	Unsubdivided
6s	Serpentinized diorite-peridotite
6ph	Pyroxene-hornblende
6c	Carbonatized
6tm	Talc-magnesite

5 SEDIMENTS

5	Unsubdivided		
5a	Argillite		
5c	Conglomerate		
5g	Greywacke		
5sl	Slate		
5p	Porphyritic, qp (quartz-eye porphyritic), pp (plagioclase-porphyritic)		
5d	Debris flow		
5q	Quartzite		
5qw	Quartz wacke		
5gr	Graphite		
5ch	Chert		
5ag	Agglomerate		
5t	Tuffaceous-sediment		
5s	Siltstone		
5sb	Sandstone		
5sch	Schist		
5sh	Shear		
5ex	Exhalite		
5tqp	Quartz porphyritic tuff		
5phyl	Phyllite	K	denotes Keewatin
GFZ	Graphitic Fault Zone	T	denotes Timiskaming

4 INTERMEDIATE-FELSIC VOLCANICS

4d	Dacite		
4rd	Rhyodacite flows		
4dt	Dacite tuffs		
4dp	Dacite pyroclastics		
4da	Agglomerate-breccia, conglomerate		
4dlt	Dacite lapilli tuff		
4dm	Dacite massive flow		
4p	Intermediate-felsic pyroclastics		
4r	Rhyolite-undifferentiated		
4sch	Intermediate-felsic schist		
4sh	Shear		
4rm	Massive rhyolite		
4rt	Rhyolite tuff		
4rlt	Rhyolite lapilli tuff		
4ra	Rhyolite agglomerate		
qp	(quartz-eye porphyritic)		
pp	(plagioclase-porphyritic)	P	denotes Primitive
4phyl	Phyllite	E	denotes Evolved

3 CALC-ALKALIC MAFIC VOLCANICS (MAFIC-INTERMEDIATE VOLCANICS)

3	Unsubdivided
3a	Andesite
3m	Massive
3p	Pillowed
3t, 3lt	Tuff, lapilli-tuff
3b	Breccia
3c	Carbonatized
3am	Amphibolitized
3pb	Pillow bx
3sh	Shear

2 THOLEIITIC VOLCANICS

2	Unsubdivided
2m	Massive
2p	Pillowed
2v	Amygdaloidal
2apl	Amygdaloidal pillow lava
2v	Variolitic
2t	Tuff, lapilli-tuff
2b	Breccia
2c	Carbonatized
2pb	Pillow Breccia
2h	Hyaloclastic
2ag	Agglomerate
2am	Amphibolitized
2scf	Spherulitic, chicken-feed
2sch	Schistose
2sh	Shear
2F	Dominantly Fe-tholeiite
2M	Dominantly Mg-tholeiite
2AL	Dominantly AL-tholeiite
2I	Dominantly Icelandite

1 KOMATIITIC VOLCANICS

1	Unsubdivided
1s	Serpentinized, massive, polysutured, peridotitic komatiite
1os	Olivine-spinifex textured peridotitic komatiitic flows
1ps	Pyroxene-spinifex textured basaltic komatiitic flows
1mb	Massive basaltic komatiite
1m	Massive
1p	Pillowed
1c	Carbonatized peridotitic komatiite
1t	Talcose
1b	Basaltic komatiite
1cb	Carbonatized basaltic komatiite

IRON FORMATION

IFo	Oxide
IFs	Sulphide (py-po)
IFc	Carbonate
IFj	Jasper
BIF	Banded iron formation
IFchl	Chlorite-rich
IFgr	Graphitic

SULPHIDES

DS	Disseminated sulphides
SS	Stringer sulphides
MS	Massive sulphides
SMS	Semi-massive sulphides

OXIDES

Mt	Magnetite (80-100%)
QAV	Quartz ankerite veining

ALTERATION

These abbreviations are used after a lithology, if desired.

3m,s	Would denote a massive calc-alkalic mafic volcanic which is sericitized
chl	Chloritic
chty	Cherty
s or ser*	Sericitic
sil	Silicified
ank	Ankeritic
ca	Calcite
c	Carbon
cb	Carbonate
h	Hematite
alb	Albitized
fu	Fuchsite
mt	Magnetite
sh	Sheared
tcb	Talc carbonate schist
tcs	Talc chlorite schist
gr	Graphitic
arg	Argillaceous
sch	Schist
gt	Garnet
oxd	Oxidized
bl	Bleached
epd	Epidote
serp	Serpentinized

* where computer space permits, use ser

TEXTURE

fg	Fine grained
mg	Medium grained
cg	Course grained
bx	Breccia
frag	Fragments
pf	Primary fragmentals
tf	Tectonic fragmentals
qp	Quartz phyric
qfp	Quartz feldspar phyric
fp	Feldspar phyric
pyr	Pyroclastics
bed	Bedded
bnd	Banded

P. R. COAD

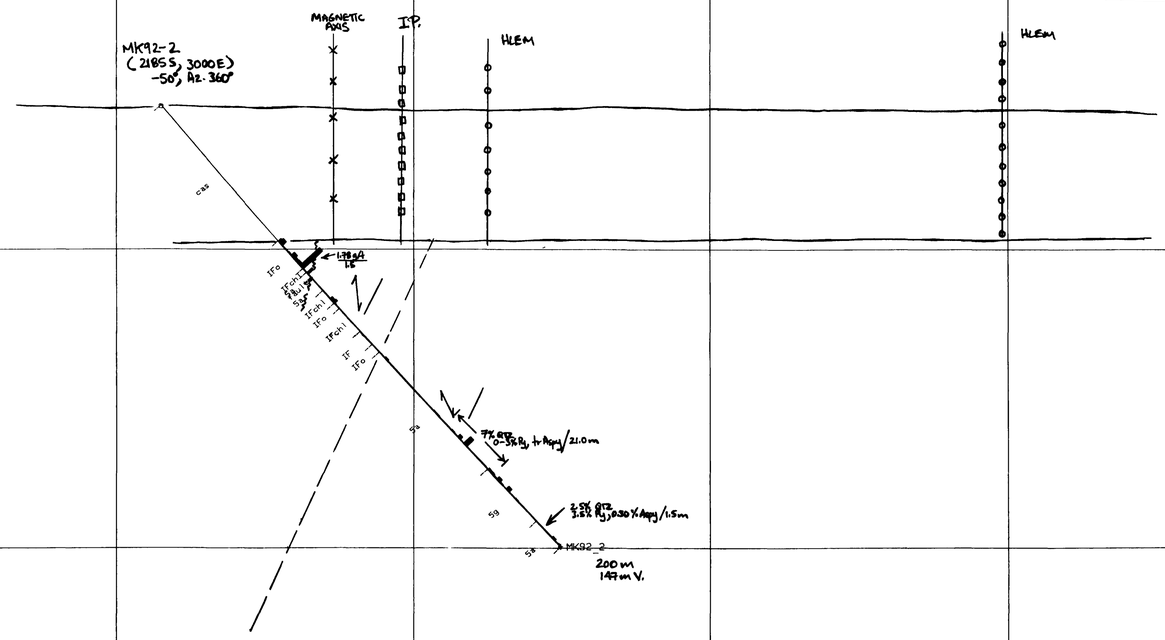
MIKWAM JOINT VENTURE

1992 DRILLING NOSEWORTHY TWP.
SECTION 4100E - MK92-4 & MOV86-16
Au-ppb 1mm/200 ppb Au

SCALE 1:1000
0 20 40 M

JULY 1992 | 1:1000 | DWG MIK51

TRADER RESOURCE CORP.



LEGEND

12 OLIVINE DIABASE

11 QUARTZ DIABASE

10 HURONIAN SEDIMENTS

- Arkose
- Argillite
- Conglomerate

9 MATACHEWAN DIABASE

8 FELSIC INTRUSIVE ROCKS

- Undifferentiated
- Quartz porphyry
- Quartz feldspar porphyry
- Felsic, f. gr. (aphanitic), sp (quartz-eye porphyritic), pp (plagioclase porphyritic)
- Rhyodacite-dacite porphyry
- Feldspathic intrusive breccia
- Granophyre
- Granodiorite
- Feldspathic granodiorite
- Feldspathic granophyre
- Monzonite, diorite
- Quartz diorite
- Aplite
- Pegmatite
- Syenite or quartz-rich syenite
- Trondjhemite

7 MAFIC INTRUSIVE ROCKS

- Undifferentiated
- Amphibolite
- Diorite
- Gabbro
- Quartz gabbro
- Leucogabbro
- Intrusive breccia
- Hypersthene, Diallage-type olls

6 ULTRAMAFIC INTRUSIVE ROCKS

- Undifferentiated
- Serpentinized dunite-peridotite
- Pyroxene-hornblende
- Carbonatized
- Tremolitization

5 SEDIMENTS

- Undifferentiated
- Arkose
- Conglomerate
- Greywacke
- Argillite
- Feldspathic, sp (quartz-eye porphyritic), pp (plagioclase porphyritic)
- Siltstone
- Calcareous siltstone
- Quartzite
- Chert
- Tuffaceous sediment
- Siltstone
- Sandstone
- Shale
- Siltstone
- Dacitic porphyritic tuff — E: dominantly Extrusive
- Dacitic tuff — I: dominantly Intrusive
- Graywacke-Tuff Zone

4 INTERMEDIATE-FELSIC VOLCANICS

- Dacite
- Hornblende Rare
- Dacite tuff
- Dacite porphyrite
- Plagioclase-phyric, hornblende-free
- Agglomerate tuff
- Dacite breccia flow
- Intermediate-felsic pyroclastics
- Intermediate-felsic tuff
- Intermediate-felsic tuffite
- Rhyolite
- Crystal tuff
- Rhyolite tuff
- Rhyolite lapilli tuff
- Rhyolite agglomerate
- Quartz eye porphyritic — f: dominantly Extrusive
- Feldspar porphyritic — i: dominantly Intrusive

3 CALC-ALKALIC MAFIC VOLCANICS (MAFIC-INTERMEDIATE VOLCANICS)

- Undifferentiated
- Andesite
- Basalt
- Pillow basalt
- Pillow tuff
- Breccia
- Carbonatized
- Amygdaloidal
- Agglomerate
- Pillow lava

2 TROLEITIC VOLCANICS

- Undifferentiated
- Basalt
- Pillowed
- Amygdaloidal
- Amygdaloidal pillow lava
- Variolitic
- Tuff, lapilli-tuff
- Breccia
- Carbonatized
- Pillow breccia
- Agglomerate
- Hyaloclastite
- Agglomeratic
- Undifferentiated
- Subvolcanic, diabase-fined
- Diabase
- Gabbro
- Dominantly Fe-Gabbro
- Dominantly Mg-Gabbro
- Dominantly Ca-Gabbro
- Dominantly Al-Gabbro

1 KOMATIITIC VOLCANICS

- Undifferentiated
- Serpentinized, massive, polycumulate, peridotitic komatiite
- Olivine-spinifex textured peridotite komatiite flow.
- Pyroxene spinifex textured basaltic komatiite flow.
- Massive basaltic komatiite
- Pillowed
- Amygdaloidal
- Carbonatized peridotitic komatiite
- Tholeiite
- Basaltic komatiite
- Carbonatized basaltic komatiite

IRON FORMATION

- Oxide
- Sulphide (py-po)
- Carbonate
- Jasper
- Banded iron formation
- Chlorite-rich
- Graphitic

SULPHIDES

- Disseminated sulphides
- Stringer sulphides
- Massive sulphides
- Semi-massive sulphides

OXIDES

- Magnetite (20-100%)
- Quartz-carbonate veining

ALTERATION

These abbreviations are used after a lithology, if desired.

- Weakly chlorite ± sericite-carbonate-pyrite alteration which is pervasive
- Chloritic
- Cherty
- Sericitic
- Carbonatized
- Argillic
- Calcitic
- Dolomitic
- Carbonatized
- Ferroan
- Ankeritized
- Pyritized
- Magnetite
- Hematite
- Silicified
- Quartz-carbonate stockwork
- Talc-chlorite schist
- Graphitic
- Pyritic
- Gossanous
- Oxidized
- Bleached
- Silicified
- Brecciated

* where component spans asterisks, use str

TEXTURE

- Fine grained
- Medium grained
- Coarse grained
- Porphyritic
- Feldspar Porphyritic
- Quartz Porphyritic
- Quartz eye porphyritic
- Quartz veining
- Feldspar phyric
- Pyritiferous
- Brecciated

P. R. COAD
GEOLOGICAL ASSOCIATION OF CANADA
FELLOW

MIKWAM JOINT VENTURE

1992 DRILLING NOSEWORTHY TWP.
SECTION 3000 EAST - MK92-2
Au-ppb 1mm/200 ppb Au

SCALE 1:1000 — M

JULY 1992 | 1:1000 | DWG MIK48

TRADER RESOURCE CORP.

Coqema

COGEMA

N:-3000

N

local foliation
blue QE
QE & Top/Bases

← 115 ppb Au, 239 ppm Cu, 548 ppm Zn (4.2m)
Blue QE conductor

"Porphyritic" dacitic Tuff
garnets (local)

261887

L-628668

L-628673

L-628676

N:-3500

L-628655

L-628660

L-628659

IRON FORMATION (CHLORITIC (MAGNETIC)

Mafic Fe-tholeiite - MAFIC TUFFS
Rare stringers/bands, garnets

Porphyritic Flows + Tuffs (local garnets)

IRON FORMATION + "SYENITE"

"Mafic" to Ferruginous Pyroxenitic Tuffs

70-90°?

58°?

261885

261878

261883

261888

261889

MK92_8

MK92_9

HIGH Fe-THOLEIITIC BASALTS

62°?

17% QTZ, 20% MAGNETITE, 32% Py
189 ppb Au (5.6m)

Fault trace
1:10000 compilation
GEOPHYSICS

local alteration

+ HEMATIZATION

L-628669

L-628672

MAGNETIC

garnets

garnets, 40 stringers
2.6 gpt/3.32m

garnet coarsings (local)

"Felsic"
local garnets + 32% Py

Porphyritic Cobbly unit

Probably Tuff-sediments

garnets

Porphyritic

N:-4000

1:20000

Contacts projected vertically.

* geochem grabs included.

LEGEND

MIKHAM JOINT VENTURE
GOLDEN SHIELD AREA
SURFACE PLAN
AU 1mm=500 ppb AU

JAN. 1993 | 1:2000 | DWG MIKHM
TRANSIT RESOURCE CORP.

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N:-1500

N:-2000

N:-2500

E:3000

E:3500

E:4000

E:4500

L-633438

L-633433

L-633431

L-633437

L-633434

L-633435

L-633436

L-633430

L-633429

L-733746

CONGLOMERATE/AGGLOMERATE

IRON Fm HIGHLIGHTED.

Name l

IFo
IFchl
IF
Ifchl
Ifo
ITs
Ifch
If

N

LEGEND

12 OLIVINE DIABASE.

11 QUARTZ DIABASE.

10 HURONIAN SEDIMENTS.

9 MATACHEWAN DIABASE

8 FELSIC INTRUSIVE ROCKS

7 MAFIC INTRUSIVE ROCKS

6 ULTRAMAFIC INTRUSIVE ROCKS

5 SEDIMENTS

4 INTERMEDIATE-FELSIC VOLCANICS

3 CALC-ALKALIC MAFIC VOLCANICS (MAFIC-INTERMEDIATE VOLCANICS)

2 THOLEITIC VOLCANICS

1 KOMATIITIC VOLCANICS

IRON FORMATION

SULPHIDES

OXIDES

ALTERATION

TEXTURE

MK92_2 1.98g/t (1.5m)

MK92_1 5.61g/t (7.2m) 4.97g/t 1.0m

MK92_3 2.04g/t (2.9m) 2.81g/t (2.9m)

MK92_4 0.683g/t (2.67m)

MK90_7

MOV8615

MOV8619

7.95g/t (2.9m) Py-chert/qtz-sericite Schist, 10-12% local 5% Apy (I.F. to north)

5.28g/t (2.0m) Grey silica flooding to 30% Pyrrhotite in Local up to 10% + 5% Apy

0.55g/t (0.3m) 20% Qtz/Ank 2% Py, tr sphal.

QUARTZ-PORPHYRY UNIT

PROJECTED CONTACT (POSSIBLY FOLDED)

CONGLOMERATE

30°

75°

* CLAIM BOUNDARIES FROM NEWMONT DATA

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MIKWAM JOINT VENTURE
1992 DRILLING NOSEMORTHY TWP.
PLAN VIEW
Au-ppb 1mm=500 ppb Au
SCALE 1:2500
AUGUST 1992 | 1:2500 | DWG MIK63
TRADER RESOURCE CORP.

NORTH

Fault

I.P. ANOMALY

MK92-9
(L-9200W, 3650S)
-48°, Az. 180°

High Fe-tholeiite
MAGNETIC

22.4% QTZ, 5% Py, 343 ppb Au (8.2m)

10.5% QTZ, 2% Py, 299 ppb Au (15.5m)
biotite + tourmaline

massive pyrite (banded)
291 ppm Cu, 44 ppm Zn
28 ppm Pb, 2.1 ppm Ag
0.19m

17% QTZ, 20% Mafic
7% Py, 137 ppb Au
5.56m

NO significant values in mafics (DDH # 261888)

MAFIC'S (magnetic)

2.6 gpt Au (3.2m)

anomalous gold

anomalous gold

Tuffaceous-sediments

500m to West
L-8700 W
DDH # 261888

ANOMALOUS GOLD

500m to west
L-8900 W
DDH # 261885

BSS ppb Au (10.0m)*

200m

"granodiorite"
w/ altered
hematized
sediment

300m

LOCALLY BANDED AND MINERALIZED

650 ppb Au (2.2m)

241 ppb Au (19.08m)*

403 ppb Au (5.15m)

925 ppb Au (1.0m)

400

MK92_9
500.0m
EOH.

Contact
shifted
77m to fault
- orbit at 5
130m to kst
zone 10
for IP.

L:3000

L:2900

L:2800

L:2700

L:2600

N:-4000

N:-3900

N:-3800

N:-3700

N:-3600

N:-3500

* denotes geochem grab in interval

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LEGEND

12 OLIVINE DIABASE

11 QUARTZ DIABASE

10 HURONIAN SEDIMENTS

9 NIPISSING DIABASE

8 FELSIC INTRUSIVE ROCKS

7 MAFIC INTRUSIVE ROCKS

6 ULTRAMAFIC INTRUSIVE ROCKS

5 SEDIMENTS

4 INTERMEDIATE-FELSIC VOLCANICS

3 CALC-ALKALIC MAFIC VOLCANICS (MAFIC-INTERMEDIATE VOLCANICS

2 THOLEIITIC VOLCANICS

1 KOMATIITIC VOLCANICS

HEMI FORMATION

SULPHIDES

OXIDES

ALTERATION

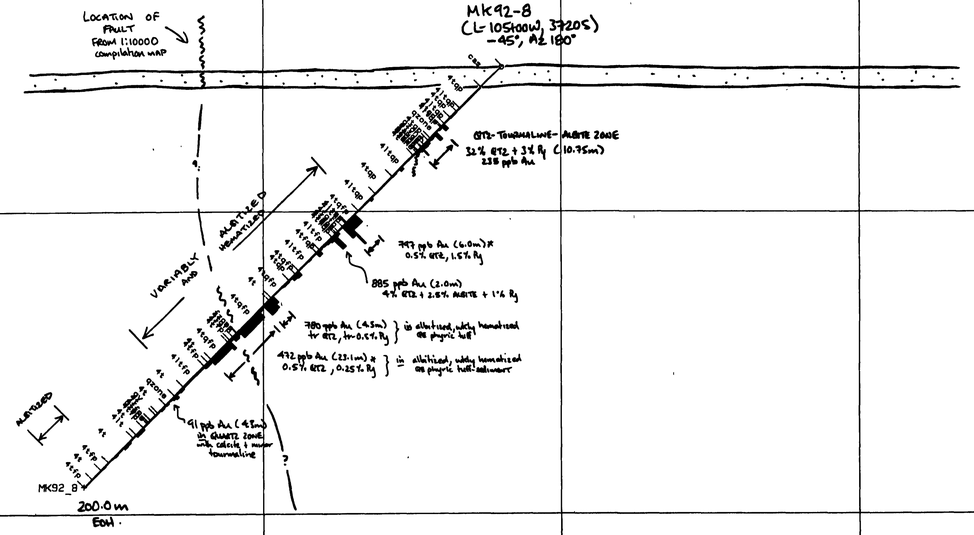
TEXTURE

MIKWAM JOINT VENTURE

1992 DRILLING HOBLITZELL TWP.
SECTION 9200 WEST (+/- 100)
AU 1mm/200 ppb AU

DEC. 1992 | 1:1000 | DWG MIK75

TRADER RESOURCE CORP.



LEGEND

MIKWAM JOINT VENTURE

1992 DRILLING HOBLITZELL TWP.

SECTION 10500 WEST (+/- 50)

AU 1mm/200 ppb AU

DEC. 1992 | 1:1000 | DWG MIK78

TRADER RESOURCE CORP.

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* GEOCHEM GRABS INCLUDED IN INTERVAL

NORTH

261 883
(L-10300W, 38005)
-50°, Az. 180°

MK92-7
(L-10297W, 36705)
-52°, Az. 180°

1.52 gpt (5.5m)

1.9 gpt (.90m)

1.3 gpt (5.1m)
includes 8.8 gpt (0.5m)
- local folding in I.F.

1200 ppm Zn
141 ppm Cu, < .35 gpt Au (1.5m)

Hematized
(weak-str. magnetic)

.431 gpt Au (5.18m) in albitized zone

4.7 gpt (0.60m)

tops

WEAK TO MODERATELY MAGNETIC

STRONGLY MAGNETIC

.59 gpt Au (1.5m)

261883
180 m
EOH.

VARIABLY ALBITIZED! HEMATIZED!

.96 gpt Au (1.5m)

.93 gpt Au (1.5m)

local cleavage (oblique to bedding!)

MK92_7
297.0m
EOH.

L:3000

L:2900

L:2800

L:2700

L:2600

N:-4000

N:-3900

N:-3800

N:-3700

N:-3600

N:-3500

LEGEND

12 OLIVINE DIABASE

11 QUARTZ DIABASE

10 HURONIAN SEDIMENTS

9 ARCHEAN DIABASE

8 FELSIC INTRUSIVE ROCKS

7 MAFIC INTRUSIVE ROCKS

6 ULTRAMAFIC INTRUSIVE ROCKS

5 SEDIMENTS

4 INTERMEDIATE-FELSIC VOLCANICS

3 CALC-ALKALIC MAFIC VOLCANICS (MAFIC-INTERMEDIATE VOLCANICS)

2 THOLEIITIC VOLCANICS

1 KOMATIITIC VOLCANICS

IRON FORMATION

SULPHIDES

OXIDES

ALTERATION

TEXTURE

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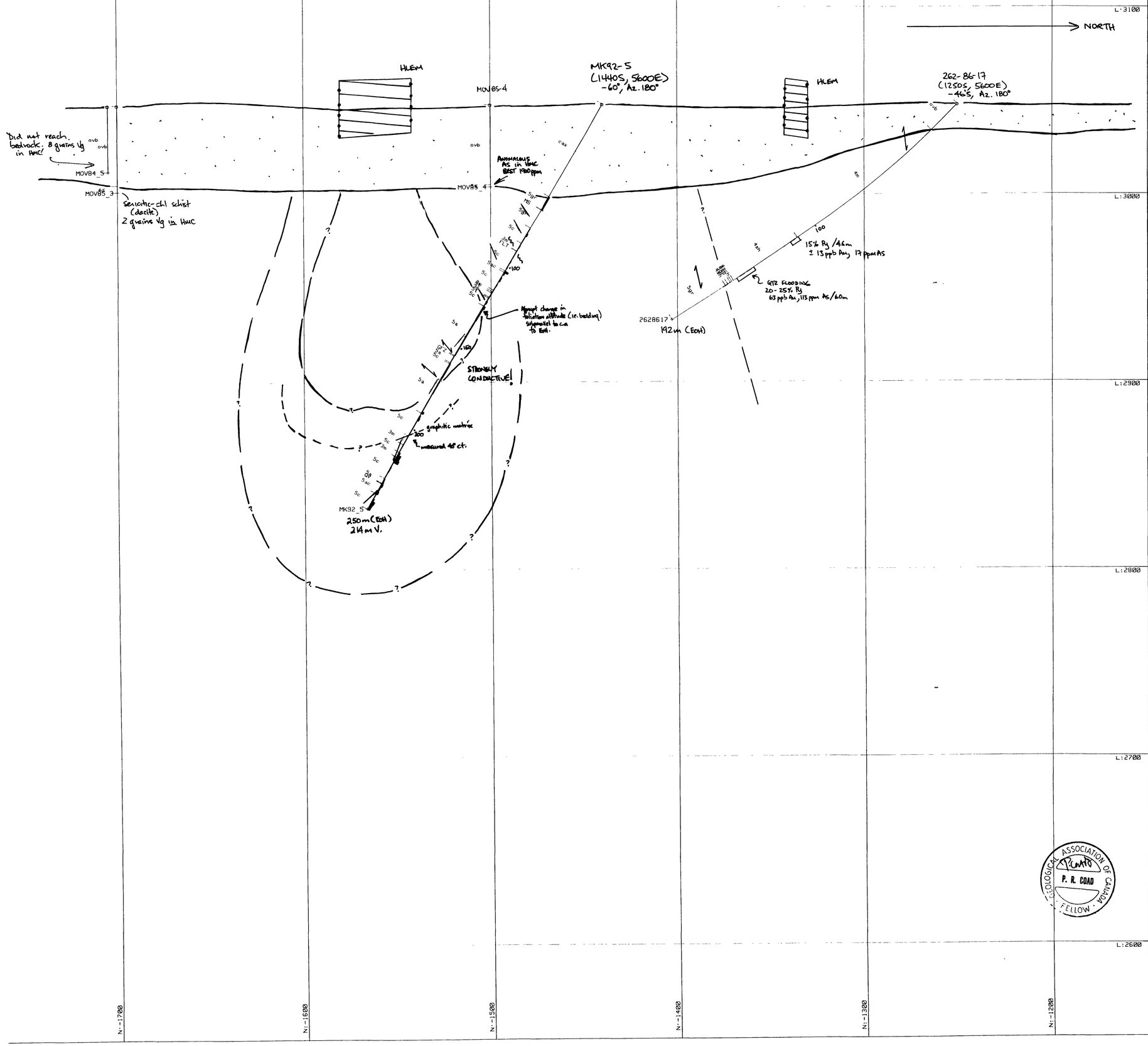
MIKWAM JOINT VENTURE

1982 DRILLING HOBLITZELL THP.

SECTION 18300 WEST (+/- 25)

DEC. 1982 | 1:1000 | DWG MIK79

TRADER RESOURCE CORP.



LEGEND

12 OLIVINE DIABASE

11 QUARTZ DIABASE

10 HURONIAN SEDIMENTS

9 MATACHEWAN DIABASE

8 FELSIC INTRUSIVE ROCKS

7 MAFIC INTRUSIVE ROCKS

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IRON FORMATION

SULPHIDES

OXIDES

ALTERATION

TEXTURE

MIKWAM JOINT VENTURE

1992 DRILLING NOSEWORTHY TWP.

SECTION 5600 EAST

Au-ppb 1mm/200 ppb Au

SCALE 1:1000

JULY 1992 | 1:1000 | DWG MIK52

TRADER RESOURCE CORP.