



010

**Ashley West
1991 Drill Program**

**Bannockburn & Argyle Township
Matachewan Area**



010C

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INTRODUCTION

During May 1988, an airborne geophysical survey was carried out on the property of Fred Kiernicki which includes Hincks, Argyle and Bannockburn Townships, Larder Lake Mining Division, Ontario. Magnetic and VLF-electromagnetic data was collected by the airborne division of H. Ferderber Geophysics Ltd. The survey was flown in a north-south direction for a total of 30.15 miles from a base at Timmins, Ontario.

The magnetic survey provides information which helps define underlying geological structures and identifies potential economic mineralized concentrations which may contain variations in accessory magnetic minerals. The VLF-electromagnetic survey outlines conductive zones which may represent metallic sulphide deposit and/or shear zones containing economic mineralization.

A ground VLF-EM survey was done by the writer using flagged ribbon lines to find the conductor on the ground. A stripping program followed with a series of seven trenches, none of which reached bedrock.

In July 1991 a drill program was started on a OPAP grant to try to explain the conductor.

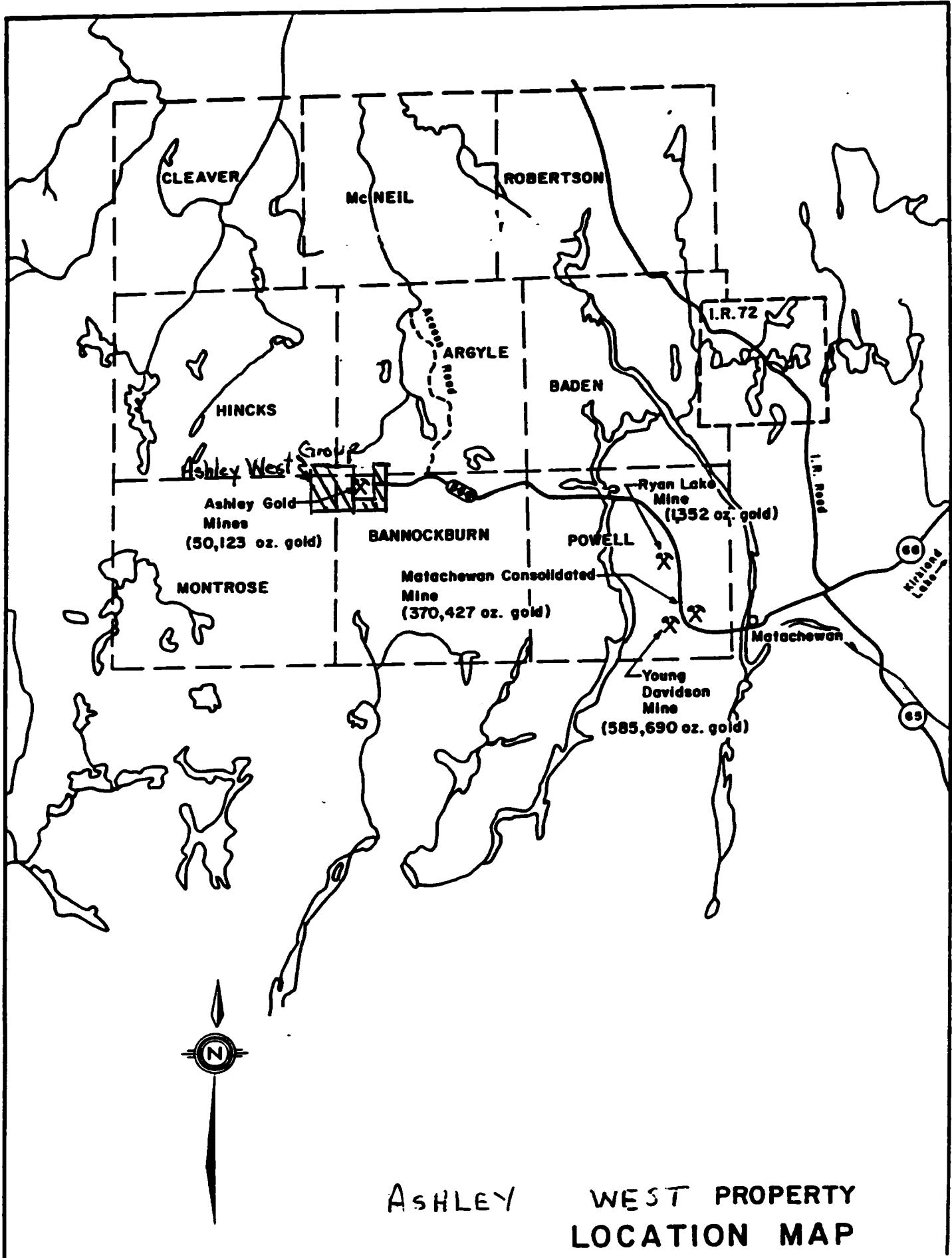
PROPERTY DESCRIPTION, LOCATION AND ACCESS

The Fred Kiernicki property is comprised of 42 claims in the Timmins-Kirkland Lake Area, Timiskaming District, Larder Lake Mining Division, Ontario.

The property is located about 36 miles southeast of Timmins, 42 miles southwest of Matheson and 42 miles west-southwest of Kirkland Lake. Access is best obtained by Highway 66 off Highway 11, from the town of Kenogami to the town of Matachewan. Provincial Highway 566 from Matachewan leads to the north eastern part of the claim group.

The property sports several small lakes and swamps. The Whitefish River runs through the north and western portions of the claim group. The area is largely forested and topographic relief is generally low to moderate.

Supplies, services and qualified manpower are available from the Kenogami-Kirkland Lake Area.



ASHLEY WEST PROPERTY
LOCATION MAP

GEOLOGY

The property is located near the southwestern end of the Abitibi Volcanic Belt of the Superior Province of the Canadian Shield. The Abitibi Volcanic Belt extends for nearly 350 miles in a west-east direction from Timmins to Chibougamau. It is host to a variety of precious and base metal deposits including the Timmins, Kirkland Lake, Noranda, Val d'Or and the Chibougamau mining camps.

The Ontario Division of Mines, Geological Compilation Series, Map 2205, Timmins-Kirkland Lake and the Ontario Ministry of Natural Resources, Gold Deposits of Ontario Part 1, outline the geology and gold deposits in the area of the claim group. Map 2205 indicates that the property is underlain of mafic metavolcanic flows and pyroclastic rocks. A south-southeast trending diabase dyke intrudes the metavolcanic rocks in the southwest corner of the claim group and small zones of southeast striking iron formation lie just west of the southwestern property boundary. A northwest trending fault zone is situated approximately 0.6 miles southwest of the southwestern-most claim.

H.L. Lovell, in the Ontario Department of Mines, Geological report 51, Geology of the Matachewan Area, indicates that in the Matachewan area gold trends to occur in, or in the vicinity of quartz veins occupying shears, fractures and faults in metavolcanic rocks, tightly folded sedimentary rocks, and silicic intrusives. Most of the gold, molybdenite and copper mineralization seems to be genetically related to syenite porphyry.

In the Montrose Township, the Ferguson, Leliever and Montrose Syndicate gold occurrences have been discovered in the northeastern corner of the township, within 1.5 miles of the property. The McGill gold occurrence lies 0.6 miles north of the claim group, in southeastern Hincks Township.

1.2 and 0.6 miles east of the property, the past-producing Ashley Gold Mine and Garvey Au-Pb occurrence are located in Bannockburn and Argyle Townships, respectively. Between 1932 and 1936 the Ashley Mine produced 50,123 ounces of Au at a grade of 0.32 oz/ton and 7,644 ounces of Ag. Gold mineralization occurs in numerous quartz veins, with the Garvey and Ashley veins being the main gold producers. These veins strike east and north 10 degrees west with gold mineralization occurring along fractures in the veins within northwest trending basalt flow.

DRILL PROGRAM

A series of 3 holes were attempted in July of 1991.

Hole K1-91 was set up to drill the VLF-EM conductor on claim L981262. The hole was lost in overburden and large boulders at a depth of 79 feet. Due to the nature of the overburden with the large boulders a second attempt was not made and the hole was abandoned.

DDH K2-91 was spotted with the purpose of drilling a vertical hole to try and intersect the down dip extension of the Ashley Mine. The Ashley Mine produced 50,000 oz. Au from 1933 to 1935 from 150,000 tons of ore grading .32 oz. per ton.

DDH #K2-91 was drilled in N.E. corner of L981262 to a depth of 786'. The Ashley Vein which was projected to be intersected at the depth of 700' did not appear in the drill core. The drill hole appeared to be travelling down almost parallel to a diabase contact. The hole was stopped and the casing was left in the hole. The core is stored at Core Library in Kirkland Lake.

DDH K3-91 The purpose of this DDH was to drill a series of hematized fracture zones with quartz stringers, silicification and pyrite, to if they could make an ore grade width with the possibilities of a small open pit situation. The veins were discovered during a stripping program in 1987 and have assayed as high as .34 oz. ton.

The veins are 400' south of the Garvey Vein which is on the Ashley Mine property, and are roughly 2,300' N.W. of the Ashley Mine workings. The hole is located on claim L822335 near the south E-W claim line.

K3-91 was drilled vertically to a depth of 242'.

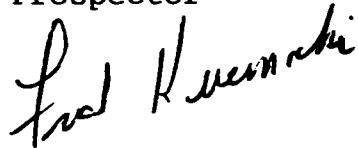
The drill core is stored at the Kirkland Lake Drill Core Library.

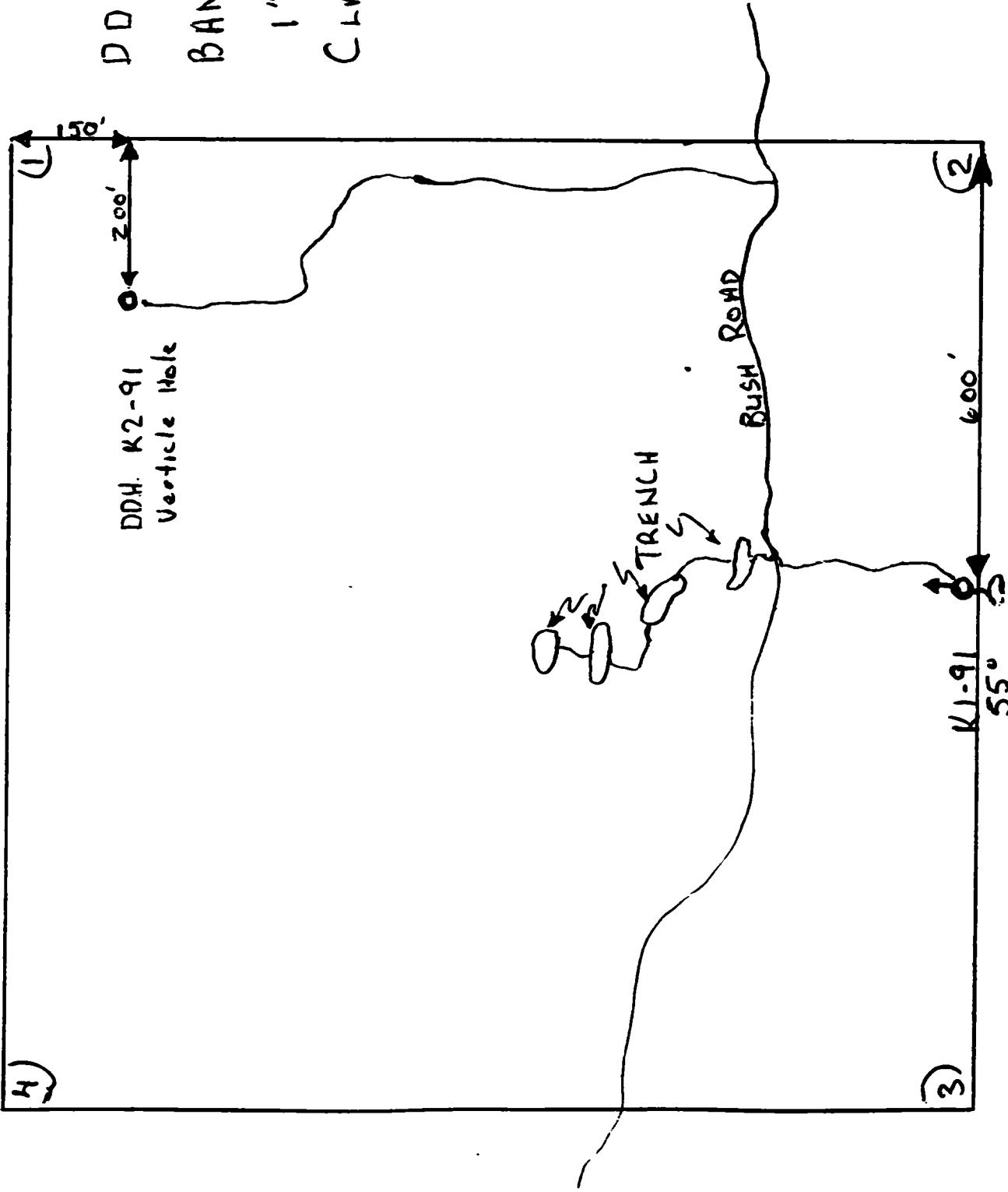
RESULTS OF D.D.H. PROGRAM

- K1-91 Hole abandoned at 87' because large boulders in overburden.
- K2-91 Hole stopped at 786". Assaying for gold did not produce any economical results. Three gold samples ran .002, .004 and .021 oz. Au per ton.
- K3-91 Was drilled to 240' to see if there were enough veins stacked to make an ore grade width. Some veins were intersected with very low results. One sample returned values of .004 oz. Au. per ton.

Although the assay results were disappointing in the diamond drill program, there are still unexplained geophysical conductors and a good geological environment in the area for the possibility of gold and/or base metal producer.

Fred Kiernicki,
Prospector





DDH. K1-91
DDH. K2-91
Vertical Hole
1" = 200'

BANDLIK BURN Twp.

CLAIM # 981262



MONROSE TWP. - M.237

ARGYLE TWR - M.

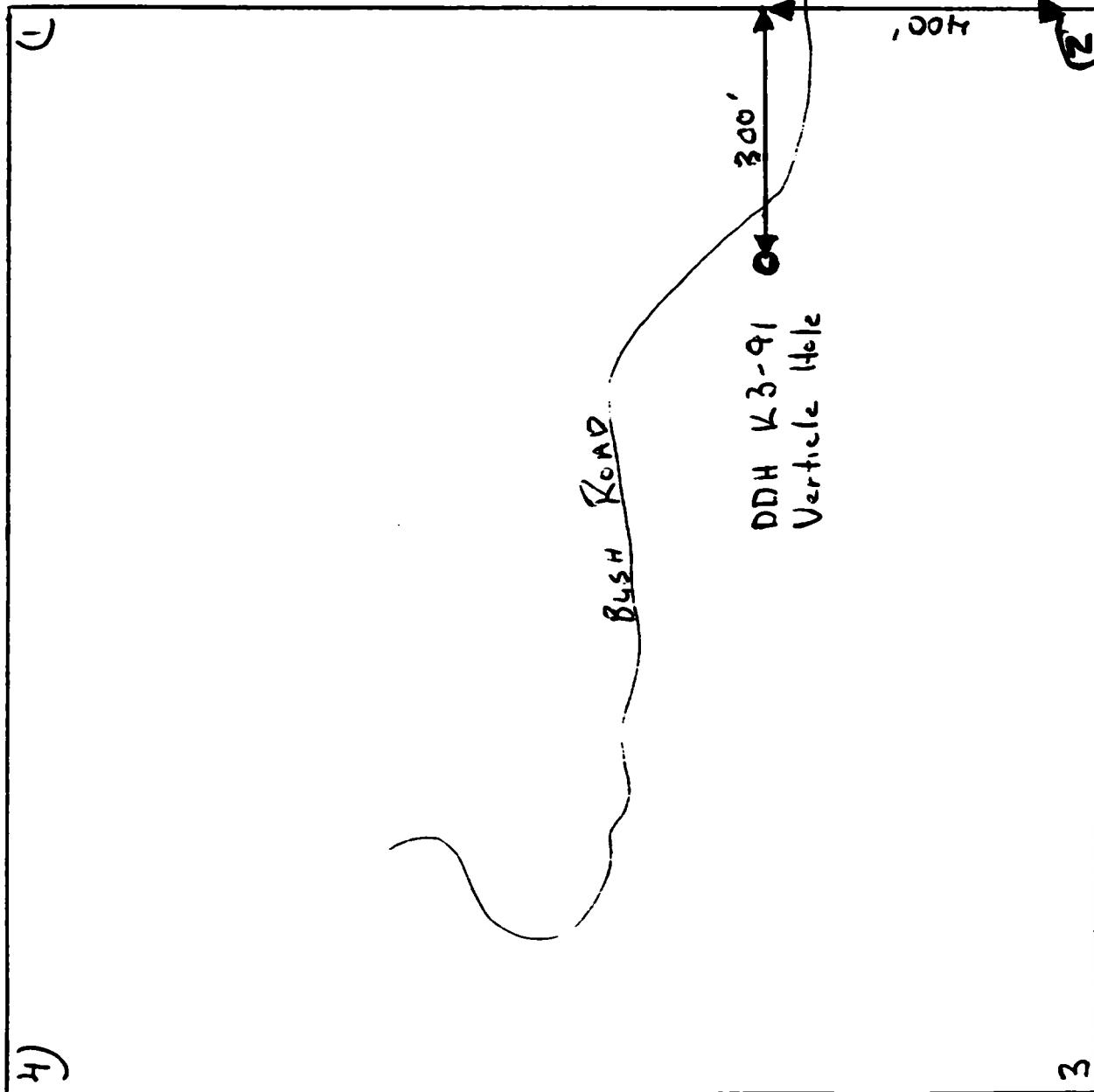
DDH 12-91

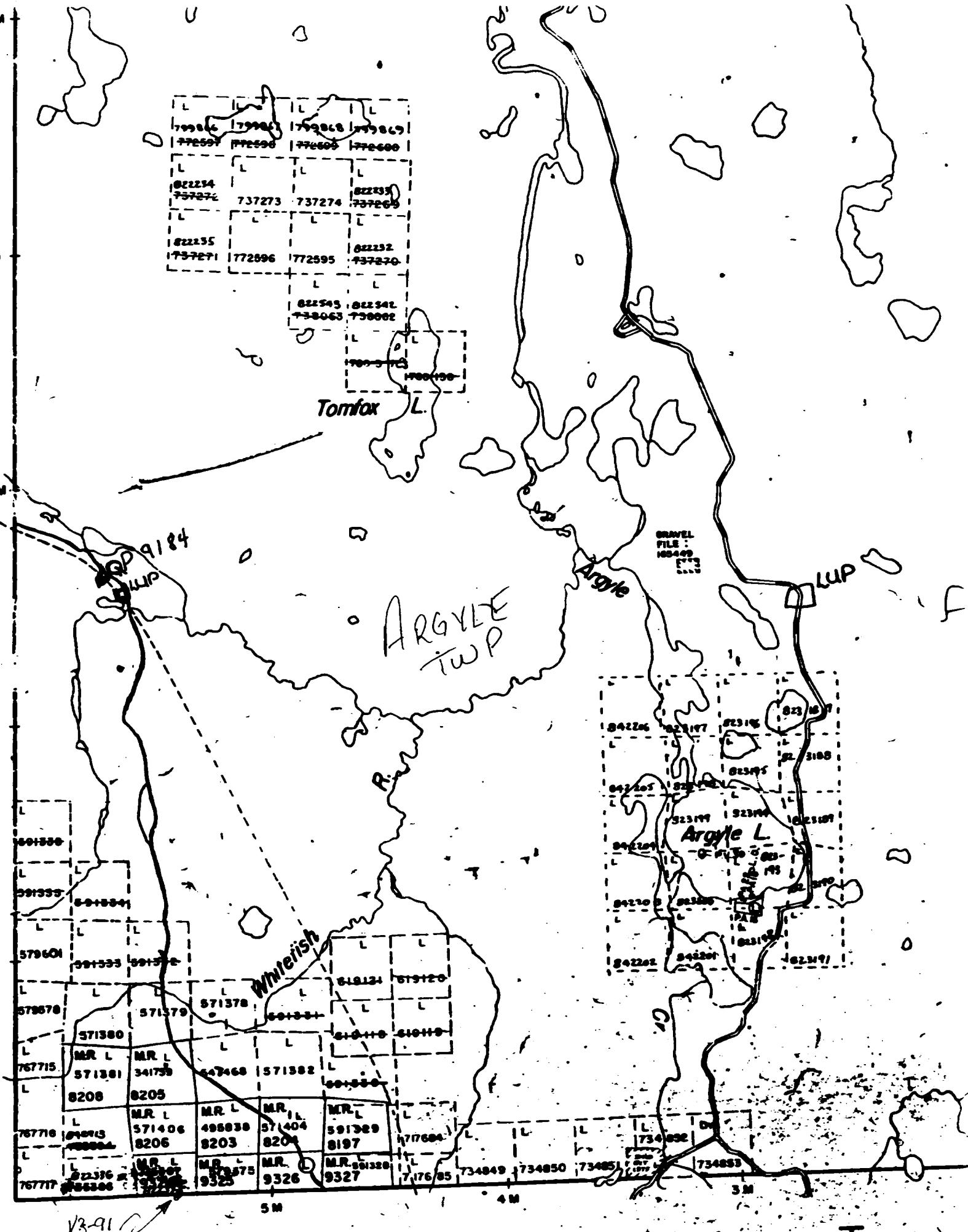
DDH K3-91 LOCATION

ARGYLE Twp

1 INCH = 200 FEET

CLAIM # 822335





K3-91

Dominion Shire Twin



Established 1928

Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Assay Certificate

1W-3669-RA1

Company: **FRED KIERNICKI**

Date: AUG-13-91

Project:

Copy 1. BOX 1143, KIRKLAND LAKE P2N 3M7

Attn:

We hereby certify the following Assay of 4 core samples
submitted AUG-12-91 by .

Sample Number	Au OZ/TON	Au check OZ/TON	Au PPB	Au check PPB
210 DDH K 3-41	0.002		58	
211 " K 3-91	0.004		144	
212 " K 3-91	0.021	0.022	730	741
213 " K 2-91	0.004		147	

Certified by Donna Hardner

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 FAX (705) 642-3300



Ministère du Développement du Nord et des Mines

Ministry of Northern Development and Mines

 **Ontario**

Springling Company
Compagnie de l'Orage

Diamond Drilling Log Journal de forage au diamant

Complete this form and related sketch in duplicate.

related sketch in duplicate.

Drill Hole Log					
Drill Hole Log		Geological Description		Analytical Data	
Date Hole Started	Date of commencement of boring	Date Completed	Date of achievement	Date Logged	Date of logging
Exploration Co., Owner or Optionee Company d'exploration, propriétaire ou titulaire d'option	Date of commencement of boring	Date Completed	Date of achievement	Logged by Date à inscription au journal	Logged by Date à inscription au journal
Collar Elevation Elevation du collier	Total Footage NorthPoint of boring	Date Submitted Date de dépôt	Submitted by (Signature) Déposé par (signature)	Submitted by (Signature) Déposé par (signature)	Submitted by (Signature) Déposé par (signature)
Address/Location where core stored Adresse/endroit où la carotte est stockée	Bearing of hole from Total Footage NorthPoint of boring	Inclination of borehole par rapport au nord vrai	Collaborator	Collaborator	Collaborator
Date Hole Started	Date of commencement of boring	Date Completed	Date of achievement	Date Logged	Date of logging
Footage/Avancement From/De	Total	Rock Type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Year Sampled Année /l'heure où l'échantillon a été prélevé	Year Sampled Année /l'heure où l'échantillon a été prélevé
107	116	Basalt	Basalt (possible pillow at 114 feet). At 104 and 111 feet are 2 cm. blebs of quartz-carbonate-Fe sulfide	From/De	To/A
116	128	Diabase contact phase	Red (hematitic) and yellowish green (epidote) stained rock in sharp cross-cutting contact with the flow, and containing a reaction-rimmed fragment at 118 feet. This seems to be the con- tact of a diabase dike that extends down the hole from here for a long distance, including good fresh diabase texture at 150 feet, with slight magnetism whereas the abovementioned flow is minimally magnetic, possibly Mg-rich tholeiitic basalt as compared to this Fe-rich tholeiitic diabase, which probably is of the Matachewan swarm.	Sample Length (Assays +/ Analyses mineralogique Empilement (canton, lot, concession, ou latitude et longitude)	Sample Length (Assays +/ Analyses mineralogique Empilement (canton, lot, concession, ou latitude et longitude)
128	150	Matachewan diabase	Medium grained tholeiite (presumably diabase) containing whitish carbonate and quartz stringers.	Sample Length (Assays +/ Analyses mineralogique Empilement (canton, lot, concession, ou latitude et longitude)	Sample Length (Assays +/ Analyses mineralogique Empilement (canton, lot, concession, ou latitude et longitude)
150	218	Diabase	Coarse grained diabase (not Nipissing, -probably Matachewan) intermixed with finer grained phases of diabase.	Sample Length (Assays +/ Analyses mineralogique Empilement (canton, lot, concession, ou latitude et longitude)	Sample Length (Assays +/ Analyses mineralogique Empilement (canton, lot, concession, ou latitude et longitude)

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

* Features such as **foliation**, **bedding**, **schistosity**, measured from the long axis of the core.

- ↑ Additional credit available. See Assessment Work Regulation.
- ↑ Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.



**Ministry of
Northern Development
and Mines**

Diamond Drilling Log **Journal de stockage au diamant**

Complete this form and related sketch in duplicate.
Remplir en deux exemplaires la forme et le croquis.

Société des Mines

Address/Location where core stored
Adresse/endroit où la carotte est stockée

Date Mise en place	1er juillet 1990
Date de commencement du travail	1er juillet 1990

Exploration Co., Owner or Optionee
Compagnie d'exploration, propriétaire ou titulaire d'option

Description (Colour, grain size, texture, minerals, alteration, etc.)	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)
Footage/Avancement	Rock Type Type de roche

Feldspar porphyry (probably granophyre differentiate or tholeiitic diabase) having pinkish brown matrix and pinkish white feldspar phenocrysts (some concentrically zoned) and a few greenish black chloritic inclusions. This granophyre has sharp contacts cross-cutting the diabase, and (micaceous) chlorite slip at the 1 down-hole contact.

2226 465 Database

diabasic texture in places. Intermixtures are irregular to banded. Zones of alteration and fracture fillings are composed of quartz carbonate, epidote and red-stained probable feldspar.

Hole is traveling down almost parallel to the margin, contact alternately intersecting diabase, chilled margin, contact alteration, and country rock. Mg-tholeiitic basalt difficult to distinguish from the diabase chilled margin, which is of an Fe-rich tholeiitic dike, but itself not magnetic.

492 Basalt Variolitic pillow basalt.
OCCURRENCE: Enr features such as foliation bedding, schistosity, measured from the long

For features such as foliation, bedding, schistosity, measured from the long axis of the Egg.

† Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.

Ministère du Développement du Nord et des Mines		Diamond Drilling Log		Journal de forage au diamant	
Ministry of Northern Development and Mines Ontario		Drilling Company compagnie de forage		Exploration Co., Owner or Optione Compagnie d'exploration, propriétaire ou titulaire d'option	
Date Hole Started	Date de commencement du forage	Date Completed	Date d'achèvement	Collar Elevation Elevation du collier	Bearing of hole from true North/Position du trou par rapport au nord vrai
From/De	To/A	Rock Type Type de roche	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Date Logged Date d'inscription au journal	Logged by Inscrit par
218	226	Granophyre	Feldspar porphyry (probably granophyre differentiated from tholeiitic diabase) having pinkish brown matrix and pinkish white feldspar phenocrysts (some concentrically zoned) and a few greenish black chloritic inclusions. This granophyre has sharp contacts cross-cutting the diabase, and (micaceous) chlorite slip at the 1 down-hole contact.	Date Submitted Date de dépôt	Submitted by (Signature) Déposée par (signature)
226	465	Diabase	Hole is travelling down almost parallel to the diabase contact, alternately intersecting diabase, chilled margin, contact alteration, and country rock. Mg tholeiitic basalt difficult to distinguish from the diabase chilled margin, which is of an Fe-rich tholeiitic dike, but itself not magnetic.	From/De	To/A
465	504				



Ministère du
Développement du Nord
des Mines

Journal de
forage au
diamant

Complete this form and related sketch in duplicate.
Réplir en deux exemplaires la présente forme et le croquis annexé.

0304 (03/03/11)

or features such as foliation bedding, schistosity measured from the long axis of the core.

or features such as foliation bedding obliquely measured from the long axis of the core.

f Additional credit available. See Assessment: Work Regulation.



**Ministère du
Développement du Nord
et des Mines
Ontario**

Complete this form and
related sketch in duplicate.
Remplir en deux exemplaires la
présente forme et le croquis annexé.

Drilling Company		Ministère du Développement du Nord et des Mines		Diamond Drilling Log		Journal de Forage au diamant	
Kosy, Gary							
Date Hole Started	Date Completed	North/Elevation	Easting or hole from true Total Focage	Dip of Hole Si	Inclinaison du forage au	Hole No	Page No
July 27/91	July 31/91	From/De	North/Position du forage par rapport au nord vrai	Total Focage	Incidence du forage au	Forage n°	Page n°
Exploration Co., Owner or Optionee	Explorateur, propriétaire ou titulaire d'option	To/A	Distance total du forage	240	Cellular/other	K3 - 91	1
Compagnie d'exploration,		Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)				
Kiernicki, Fred		Type de roche	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)				
Footage/Avancement	From/De	To/A					
0	0	240	Fr-rich tholeiitic	Only 5 feet of the 1st 10 feet of core is present. The entire basalt hole is Fe-rich tholeiitic basalt, black to grey-colored except where alteration or cross-cutting veins are present. These are platform basalts, therefore theoretically rarely have much inter- flow sediments. Any sediments that might have been in this ver- tical hole in steeply southwest-dipping (?) strata now form alteration in the basalt and are no longer recognizable as sedi- ments incorporated into the basalt.			
11	11	12		Amygdules, the largest of which are 1 cm in diameter, possibly indicating the basalt deposited on a shallow sea floor. Amyg- dules are prominent also at 25, 89, 103, 124, 166, 176, 198, 217 feet and elsewhere.			
Pillow selvages are distinct and tend to contain Fe sulfide at 109, 122, 181, 189 and 235 feet. The sequence down this vertical hole from relatively massive to pillowved, if strata dip SW and the hole is all in one single flow, indicate tops are down the hole, i.e. face NE.							

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.
•Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

† Additional credit available. See Assessment Work Regulation.
† Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.
Note : Dans cette forme, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.



Ministère du
Développement du Nord
et des Mines

Drilling Company
Compagnie de forage

**Journal de
forage au
diamant**

Complete this form and
related sketch in duplicate.
Remplir en deux exemplaires la
présenté formulé et le croquis annexé

Ministère du Développement du Nord et des Mines		Diamond Drilling Log		Journal de forage au diamant	
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Collar Elevation Elevation du collier	Bearing of hole from true North/ Avancement total du forage par rapport au nord vrai	Dip of Hole & Inclinaison du forage au Coller/coller:	
		Date Logged Date d'inscription au journal	Logged by Inscrit par	P1./P1.	
		Date Submitted Date de dépôt	Submitted by (Signature) Déposé par (signature)	P1./P1.	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option		Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)			
Footage/Avancement From/De	To/A	Rock Type Type de roche	From Bedrock to Surface Bordure / Fond de la carotte à la surface		
			From Bedrock From/De	To/A	Bedrock Length / Longueur de l'échantillon en pieds
			From Bedrock From/De	To/A	Sample No. / Numéro de la carotte No. d'échantillon en pieds
			From Bedrock From/De	To/A	Sample Length / Longueur de l'échantillon en pieds
			From Bedrock From/De	To/A	
<p>Cross-cutting stringers are present at intervals throughout the flow, and consist mainly of yellowish green epidote; vein quartz flanked by wallrocks bleached pale brown and containing fine-grained disseminated pyrite; yellowish green epidote walls with pinkish brown medians, where wide themselves, in turn having clear to white quartz-pyrite medians; white calcite stringers (abundant) to resemble (slightly) variolites.</p> <p>Epidote spotting extends outwards from fractures at 32 feet so as to intersect any gently dipping gold-bearing quartz veins extending inclusions are in the basalt at 12 and 40 feet.</p> <p>This vertical hole was diamond drilled with the intention to intersect any gently dipping gold-bearing quartz veins extending west from the Ashley gold mine, and intersected bleached silicified basalt, particularly at 99 to 104 feet, 110 to 113 feet, 135 to 140 feet, and 160 to 162 feet.</p>					
<p>*For features such as foliation, bedding, schistosity, measured from the long axis of the core.</p> <p>*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.</p> <p>Note : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.</p>					
Drilling Company Compagnie de forage		Address/location where core stored Adresse endroit où la carotte est stockée		IMD Reference No N° de référence sur la carte	
		Location (Twp. Lot. Con. or Lat. and Long) Emplacement (canion, lot, concession, ou latitude et longitude)		Claim No. N° de concession minière	
				Hole No Forage n°	
				Page No Page n°	
				K3-91 2	

† Additional credit available. See Assessment Work Regulation.

† Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.

*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

42 claim
group
boundary

SUBJECT
TO LITIGATION

ARGYLE TWP - M.203

MONTROSE TWP - M.287

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.

"THIS MAP SHOWS THE APPROXIMATE LOCATION OF THE BOUNDARIES OF THE AREA WHICH IS THE SUBJECT OF CURRENT LITIGATION. THE EXACT LOCATION WILL BE SHOWN FOLLOWING CONFIRMATION BY THE PARTIES TO THE ACTION."

5M

4M

3M

2M

1M

1M

47°55'46"
80°47'21"

DOON TWP - M.217

5M

4M

3M

2M

1M

1M

5M

4M

THE TOWNSHIP
OF

ARGYLE

DISTRICT OF
TIMISKAMING

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED

NOTES

400' Surface rights reservation
rivers.
WITHDRAWALS AND RECKONINGS

- (R) Surface and Mining Rights Withdrawn from Staking, section 36/80 order No. W-112-0-12/86 OPEN W-8/86
- (R) Surface and Mining Rights Withdrawn from Staking, section 36/80 order No. W-112-0-12/86 OPEN W-8/86
- (R) Surface and Mining Rights Withdrawn from Staking, section 36/80 order No. W-112-0-12/86 OPEN W-8/86
- (R) AND PART (R) REOPENED FOR STAKING UNDER ORDER O-90-87 NR
- O 123-90 NH OPENS PART OF W18/86, NOV 21/90

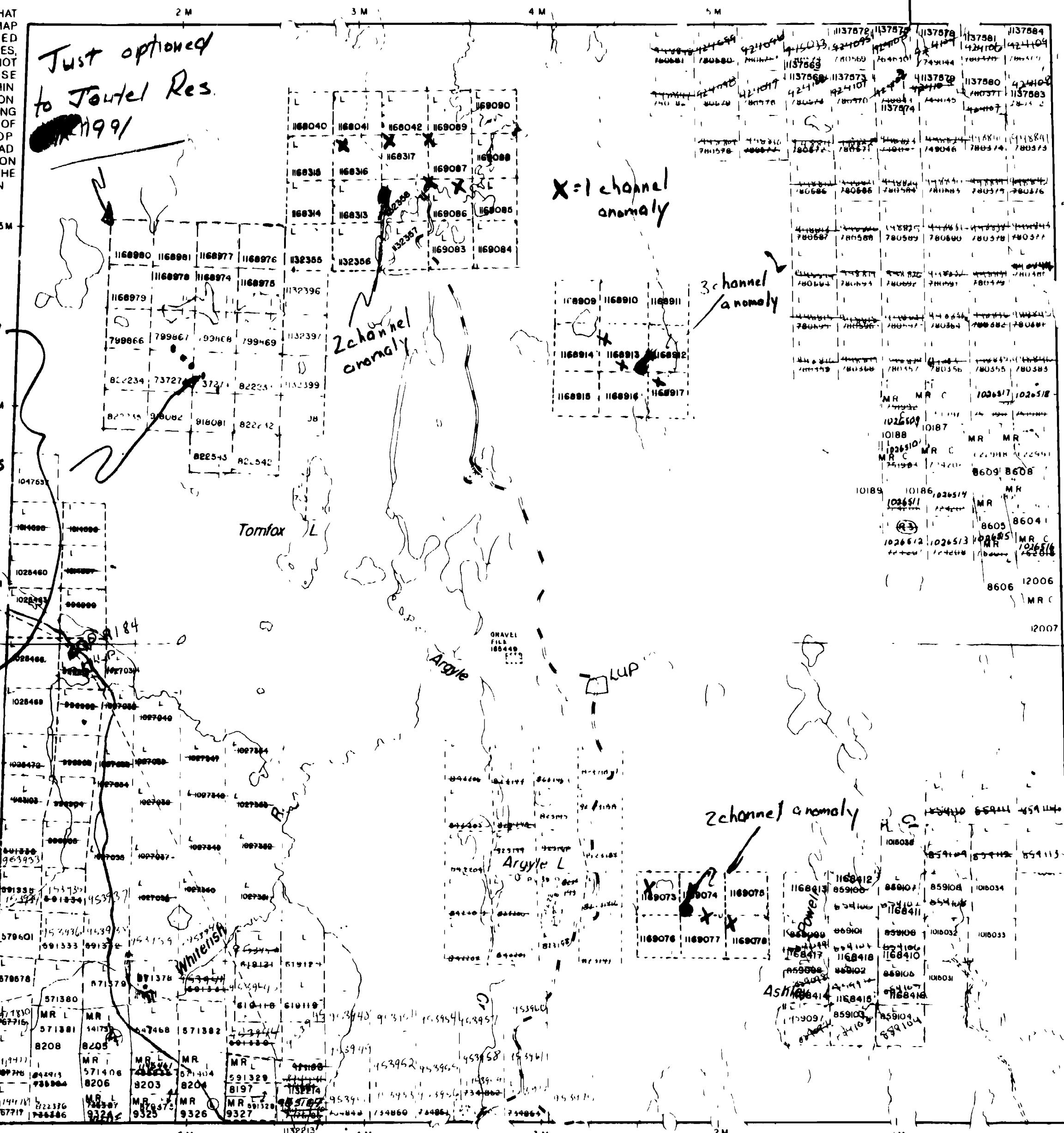
PLAN NO.- M-203

MINISTRY OF NATURAL RESOURCES
SURVEYOR: J. H. A. M. PLANT

Mc Neil Twp.

Robertson Twp.

Bannockburn Twp.



Baden Twp.

EOS

W-503

