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# **Diamond Drill Report for Ingram Drill Hole IN-02-03** **Foster Marshall's Claim**

## **Introduction**

This report, drill log, plan and section for the single diamond drill hole IN-02-03 is for assessment credits for Foster Marshall's Claim in Ingram Township.

## **Location and Access**

Drill Hole IN-02-03 is located on claim 1200160 in lot 9 concession 6 of Ingram Township. (figure 1) The hole is located on the claim, 400 meters south of post#4 and 120 meters east of post #3. (figure 2)

Access is by East Windego Lake Access Road from Highway 569, between Tomstown and Hillarton. Highway 569 is accessible from Highway 11 north of the City of Temiskaming Shores and south of the Town of Englehart. The claim is situated between Sherriff and Mallard Lakes.

The Hole IN-02-03 is collared in outcrop adjacent the East Windego Lake Access Road and drilled to a depth of 804 feet.

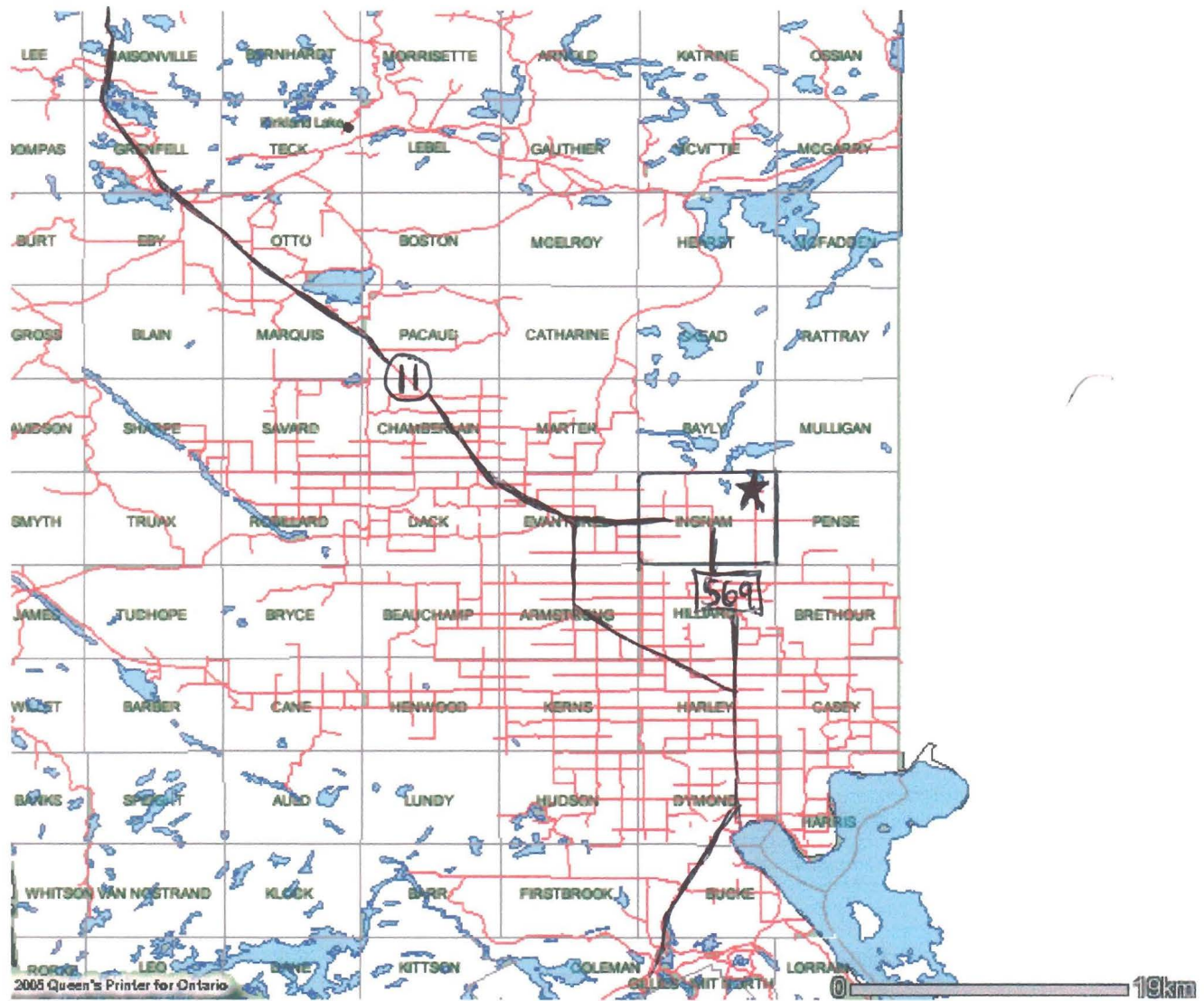
## **General Geology**

The area of the claim is underlain by Coleman Member conglomerate, argillite and quartzitic, arkosic greywacke which has been intruded by Nipissing, mafic intrusive, quartz diabase (diorite). (Lovell, 1977) The drill hole was collared in Coleman Member conglomerate and its entire length (804 feet) intersected Coleman Member lithologies. Though none was encountered in this hole, the main overburden type in the near vicinity is sand. (Lovell, 1977)

## **Exploration and Development**

Sergiades(1968) reports that locally (lots 10 and 11) several shafts or pits were sunk, one to 40 feet. An east-west trending galena vein was developed for 200 feet and contained assays up to 87 oz/Ag and 4.5% Co. Up to November, 1976, geological mapping and 6,006 feet of drilling in 36 holes have been done in the vicinity of Mallard Lake by F.D. Marshall and J.A. Marshall.(Lovell, 1977) More recent work has been done in 1983: Agnico Eagle conducted a magnetometer survey over the area and drilled targets. Foster Marshall also drilled holes near South Mallard Lake in 1991 and drilled IN-01-03 in early June, 2003. (Foster Marshall, verb. comm.)

Figure #1 Location of Foster Marshall Claim, Ingrid Township \*



**Diamond Drill Hole IN-02-03**

This hole was drilled in June, 2003 by Link Drilling under the supervision of Foster Marshall. The diamond drill hole, IN-02-03, was collared in claim 1200160 and drilled at azimuth 85 degrees, dip -45 degrees, to a depth of 804 feet. (figures 2 & 3) BQ core was obtained from the drilling. The core is stored at:

R.R. #1, Englehart, P0J 1H0  
Marshall's Corners  
Lot 10, Con V.  
Ingram Township

The core was logged by Peter Lickley, assisted by Alex Lickley, on April 3, 2005, under the supervision of Foster Marshall.

Log Abbreviations: degrees - deg.  
millimetres - mm  
centimetres - cm  
meters - m  
less than - <

This report was completed on May 7, 2005.

W. Peter Lickley M.Sc. Geol. and Alex Lickley  
P.O. Box 2563  
507 Farah Ave.  
New Liskeard, Ontario  
P0J 1P0

Foster Marshall  
Marshall's Corners  
Lot 10, Con V.  
Ingram Township  
R.R. #1  
Englehart, Ontario  
P0J 1H0

Signed: Peter Lickley MSc. Geol.

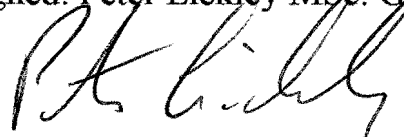


FIGURE 2. DDH. IN-02-03 PLAN VIEW  
FOSTER MARSHALL CLAIM, INGRID TWP.

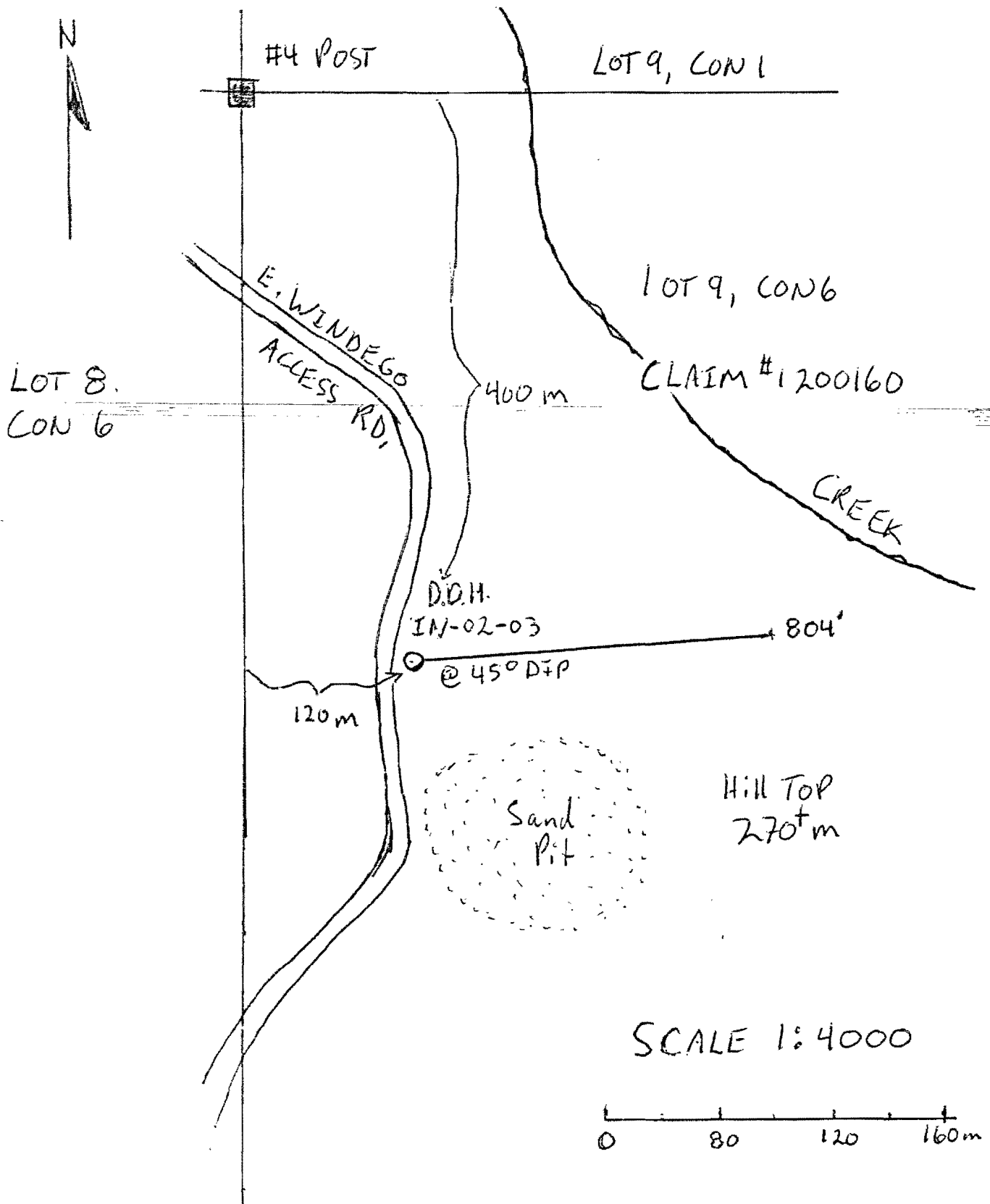


FIGURE 2.

D.D.H. IN-02-03 PLAN VIEW

Scale 1:6450

60000

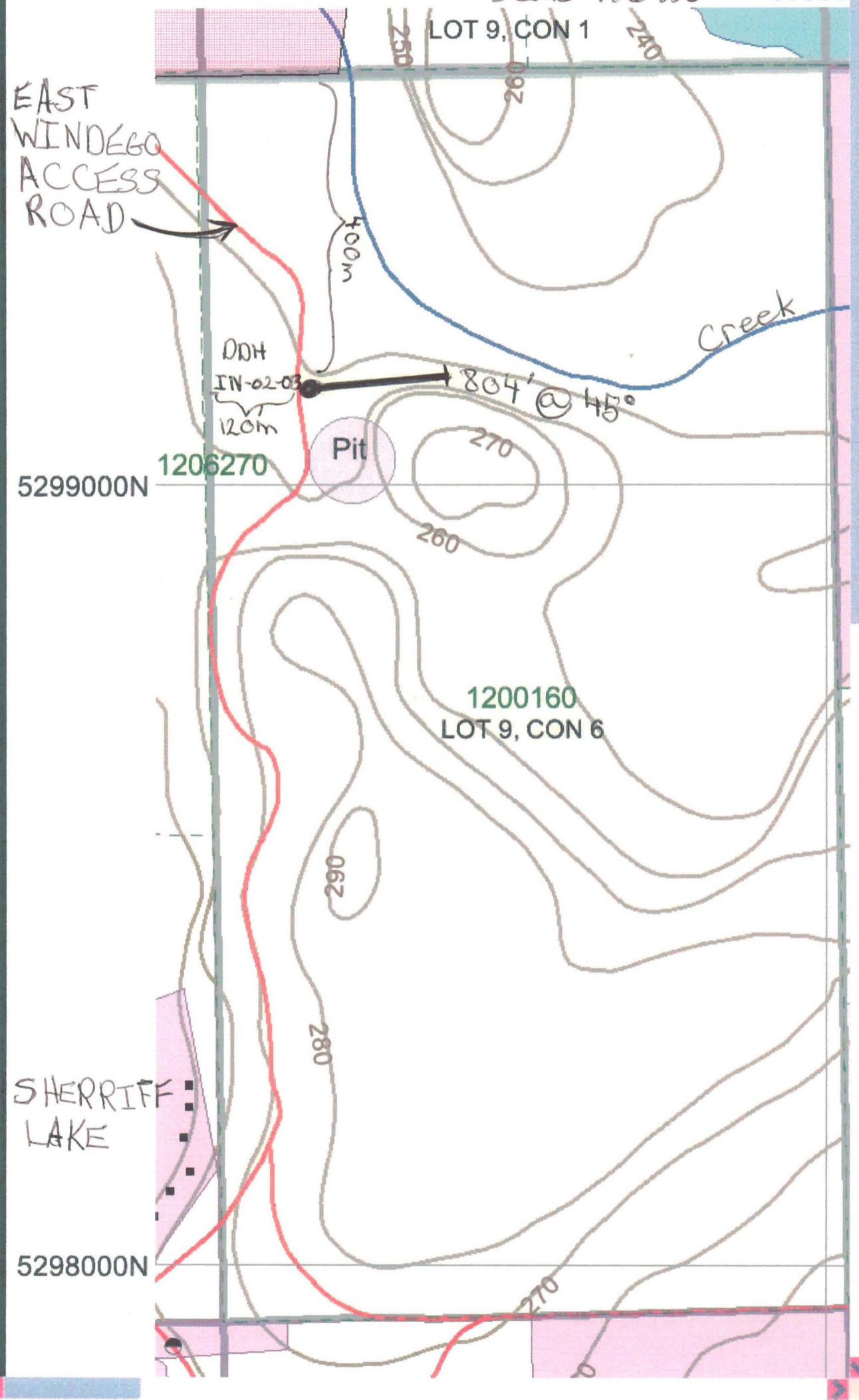


FIGURE 3.

DRILL HOLE IN-02-03 SECTION (LOOKING N.)

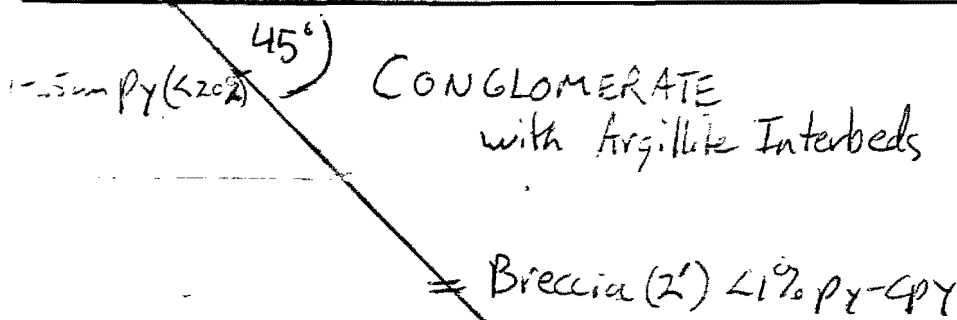
FOSTER MARSHALL CLAIM #1200160

LOT 9, CON. 6, INGRID TOWNSHIP

AZIMUTH: 085°

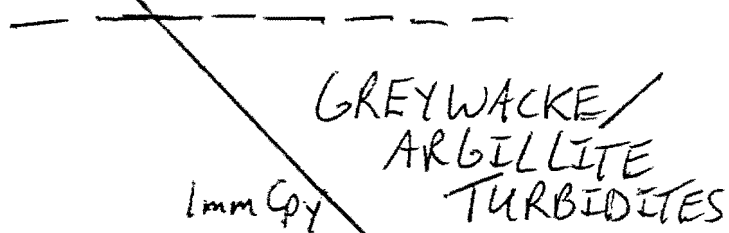
D.D.H.  
IN-02-03

NO OVERBURDEN



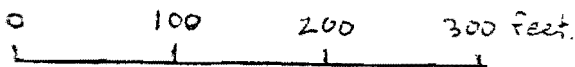
KEY

- Py - Pyrite
- Cpy - Chalcopyrite
- cm - centimeters
- mm - millimeters



1 mm Py 804' E.O.H.

SCALE 1:1500



## **References**

Lovell, H.L., 1977: Geology of the Englehart - Earlton Area, O.G.S. Misc. Pap. 69, 16p. and Map P.1249.

Lovell, H.L., 1977: Englehart – Earlton Area, District of Timiskaming; Ontario Geological Survey, Prelim. Map P.1249, Geol. Ser., scale 1:31,680 or 1 inch to 1/4 mile. Geology, 1972.

Sergiades, A.O., 1968: Silver Cobalt Vein Deposits of Ontario; Ontario Dept. of Mines, Min. Res. Circ. #10, p.498.





**Diamond Drilling Log / Journal de forage au diamant**

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

Fill in on every page / Remplir ces cases chaque page

Hole No. / Forage n°	Page No. / Page n°
IN-02-03	1 of 4

Under section 8 of the Mining Act, this information is used to maintain a public record. Aux termes de l'article 8 de la Loi sur les mines, ces renseignements serviront à tenir à jour les dossiers publics.

Drilling Company / Compagnie de forage <b>LINK DRILLING</b>	Core Size / Dimensions de la carotte <b>BQ</b>	Collar Elevation / Élévation du collier <b>Bedrock</b>	Bearing of hole from true North / Position du forage par rapport au nord vrai <b>85 deg. Azimuth</b>	Total Footage / Avancement total du forage <b>804'</b>	Dip of Hole at Inclinaison du forage au Collar/collier <b>-45</b>	Address/Location where core stored / Adresse/endroit où la carotte est stockée <b>R.R. #1 Englehart, P0J 1H0</b>  <b>@ Marshall's Corners Lot 10, Con V, Ingram Township</b>	Map Reference No. / N° de référence sur la carte <b>G-3653</b>	Claim No. / N° de concession minière <b>1200160</b>
Date Hole Started / Date de commencement du forage <b>June 07, 21003</b>	Date Completed / Date d'achèvement <b>June 19, 2003</b>	Date Logged / Date d'inscription au journal <b>April 23, 2005</b>	Logged by (print) / Inscrit par (écrite en lettres moulées) <b>W.P. Lickley M.Sc. Geol.</b>		<b>804' / -45</b>		Location (Twp, Lot, Con. or Lat. and Long.) / Emplacement (canton, lot, concession, ou latitude et longitude) <b>400 m south of Post #4 and 120 m east of Post #3, Ingram Township</b>	Property Name / Nom de la propriété <b>Foster Marshall Claim</b>
Exploration Co., Owner or Optionee / Compagnie d'exploration, propriétaire ou titulaire d'option <b>Foster Marshall</b>			Logged by (Signature) / Inscrit par (signature) 					

Footage/Avancement		Rock type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Features / Angle / Angle des caractéristiques planes	Core Specimen / Footage / Longueur en pieds des carottes prélevées	Your Sample No. / N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays/Analyses minéralurgiques		
From/De	To/À	Type de roche	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)				From/De	To/À				
0	293.0	Conglomerate	Huronian sediments of the Coleman Formation									
0	110.0	Conglomerate	Conglomerate varies from a green grey sand matrix to sand mud matrix supported sediment with up to 10 and 15 angular to sub-rounded pebbles of a variety of rock types. Pebbles are commonly greenstones and granites with some pyrite bearing clasts (<1%) Occasional seams and fractures (<1mm) of carbonate/pyrite (<1%)									
0	20.5		Green grey sandy matrix with 5-10% angular pebbles and 1-5cm inter beds of fine blue grey argillite, bedding @ 45 deg. Sporadic, red, brown, hematitic? sandy layers 1/2-2 cm (approx. 1/m)									
20.5	21.0		Green, sericite/carbonate alteration(?) layer with irregular contacts.									
25.2			Irregular, 1mm, pyrite / carbonate stringer.									
29.0			1/2 cm. rusty yellow, pyrite / carbonate stringer @ 10 deg.									
40.4	40.8		Irregular carbonate fractures <1mm									
42.0	48.0		Finer sand argillite matrix with 1/2-1 cm. varving @ 45 deg., <5 % pebbles									
48.0	48.3		Coarse sand with a 2cm red sand layer @ 50 deg.									
48.3	50.5		Fine, blue grey varved argillite with rare small pebbles.									
50.5	70.0		Coarse, sand matrix supported conglomerate with up to 10% pebbles blue green argillitic/pyritic layers (1/4 - 5cm) (density 2/m.) red sand layers (1/4 - 2 cm), (density 3/m.)									
60.0			1-1.5 cm pyrite/chlorite layer (20% pyrite)									

\*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.



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

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Remplir ces cases chaque page

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Footage/Avancement		Rock type	Description (Colour, grain size, texture, minerals, alteration, etc.)	FL/Pl	Planar Features Angle * / Angle des caractéristiques planaires	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No N° d'échantillon du prospecteur	Sample Footage Niveau de prélèvement de l'échantillon (en pieds)		Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques			
From/De	To/À	Type de roche	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)					From/De	To/À					
61.2			Pyrite/chlorite layer (5cm) with pyritic pebble and chlorite rim.(10-15% pyrite)											
70.0	78.3		Finer argillite varved sediment with few small (<2cm) pebbles , bedding @ 46 deg.											
72.5			Layer of coarse sand (8cm) and central portion (4cm) of layer has a black graphite/chlorite pyrite matrix (<5% pyrite)											
78.3	110.0		Fine varved argillite sediment interbedded with 10-20 cm pebbly sand layers. Bedding @ 45 deg.											
80.0			Irregular rusty carbonate/quartz stringer (2mm).											
103.2	110.0		Broken core with rusty , <2mm, quartz/ carbonate veinlets (<1%pyrite)											
110.0	246.0	Conglomerate	Very coarse pebble beds with occasional boulders in a fine blue grey argillaceous mud matrix with white/ black laminated mud. "Bleaching" (carbonate/sericite alteration?) (10-30cm.) in places interspersed with sand pebble layers (10-30cm.)											
120.0			Large syenite boulder (30cm) with 1% disseminated pyrite											
122.0	148.4		Lighter grey blue muds with some bleaching and spotting (chlorite alt.?) 6 sets of white mud layers (10-30cm thick) @ 112', 113.5', 116', 117, 120' and 130', bedding @45 deg.											
150.0	183.1		Lighter, limey, blue grey mud with pebbles to large boulders (<10%)											
160.3	165.2		Fine stringers of pyrite-carbonate-quartz (<1mm) density 3/m											
179.0			Large (15cm) green epidote(20%) pebble with <5% chalcopyrite.											
183.0	240.1		Very fine limey? light green mud with occasional brown layers (<1cm) in groups (10-20cm). Very few small pebbles (<1cm) Bedding @ 45 deg.											
240.1	293.0	Conglomerate	Coarse sand based arkosic matrix (feldspar<10%) with 15% pebbles (small<2cm)											
245.5	246.2	Breccia	Coarse fragments (<3cm) with white alteration rims and green chlorite infilling.											

\*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.



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**Journal de forage au diamant**

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Footage/Avancement		Rock type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Placer/Traverse Angle / angle des caractéristiques planes	Core Specimen Footage / longueur en pieds des carottes prélevées	Your Sample No. N° d'échantillon du prospecteur	Sample Footage Niveau de prélèvement de l'échantillon (en pieds)		Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques		
From/De	To/A	Type de roche	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)				From/De	To/A				
246.3	246.9	Breccia	Coarse fragments (<5cm) red layered arkose pebbles shattered and infilled with sand, mud and quartz-carbonate veinlets (<2mm). Veinlets have specks of pyrite and chalcopyrite (<1%) and feel soapy (talc?)									
293.0	804.0	Greywacke/ argillite turbidites	Coarse sand grades upwards (over 1-6m) to fine green grey and dark blue grey chlorite rich argillite with no pebbles. Argillite muds show fine lamination (<1mm) @ 45 deg. Base and core regions of sequences are commonly "bleached" a light green with kspar, epidote, sericite, carbonate? alteration. Graded sequences show abrupt argillite/sand contacts, commonly irregular due to load structures. Argillite/ sand contacts at: 318.2, 327.1, 336.0, 252.2, 363.0, 374.1, 381, 392.3, 400.1 and 426.0									
450.0			Pale green, sandy argillite (9cm) with few small pebbles (<2cm) laminated with pale brown muds, bedding @48 deg.									
474.0			Pale bleached green argillite with indistinct boundaries.									
498.2			Quartz/carbonate stringers @45 deg. over 30cm, density 4/10cm									
506.1			Pale bleached green argillite with indistinct boundaries.									
517.2	804.0		Graded sequences show abrupt argillite/sand contacts, commonly irregular due to load structures. Argillite/sand contacts at: 531.9, 551.8, 592.3, 638.0, 647.1									
558.5			Chalcopyrite-quartz stringer (<1mm) @30 deg.									
576.6			Pyrite-quartz stringer <1mm @40 deg.									
581.2			Pyrite-quartz stringer(<1mm) with lime green rust?									
592.2			Quartz stringer (1mm) @65 deg.									
596.5			Pale green "bleached" argillite (epidote, sericite, kspar, carbonate altered?) over 20cm. Other "bleached" zones at: 614.8 (1m), 642.5 (2m), 656.0(1m)									

\*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.

