

**WORK REPORT  
ON THE  
SHEPPARD CLAIM  
4203306  
AYLMER TOWNSHIP, SUDBURY, ONTARIO  
JULY, 2010  
F.DELABBIO P.ENG.**

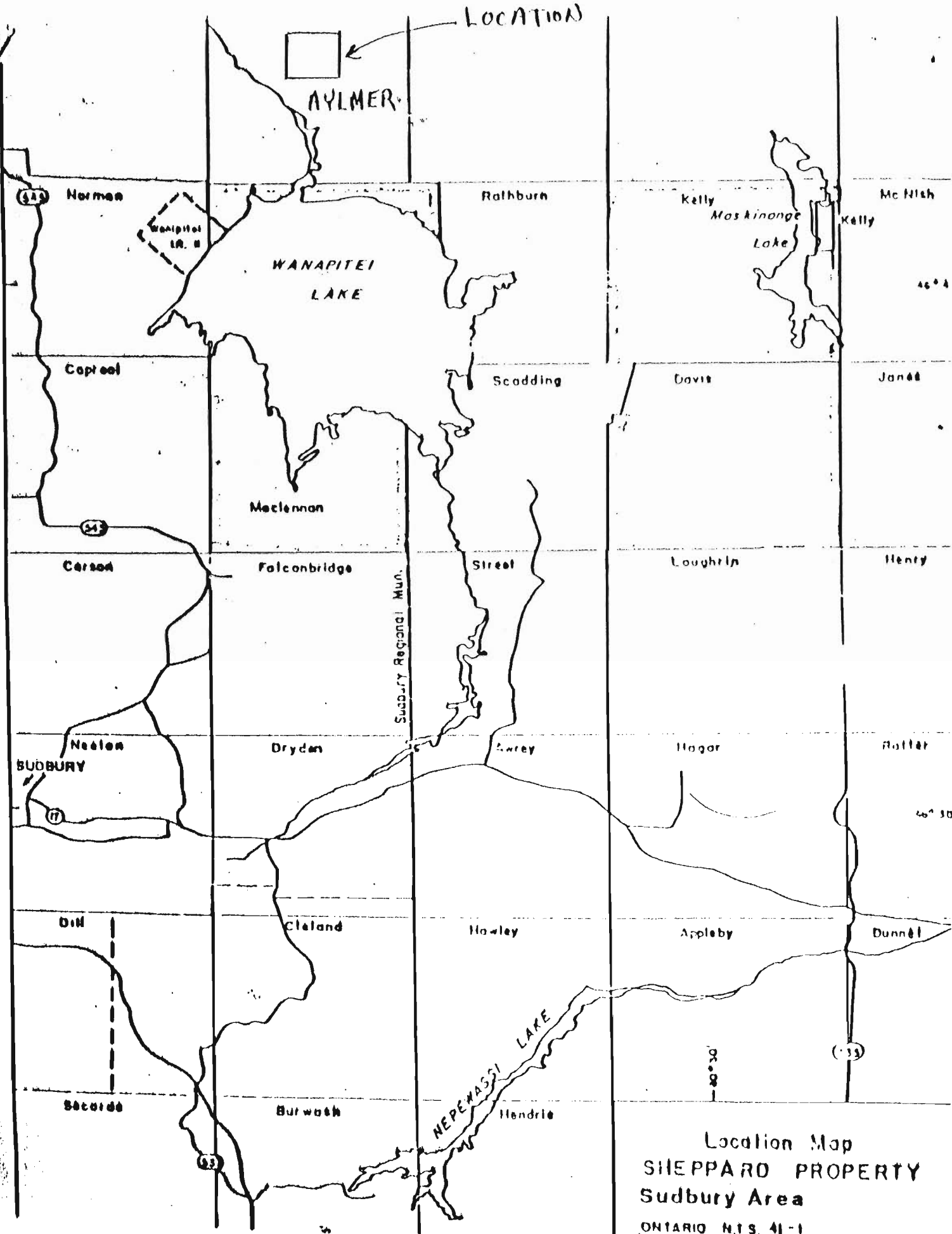
**2. 45845**

## TABLE OF CONTENTS

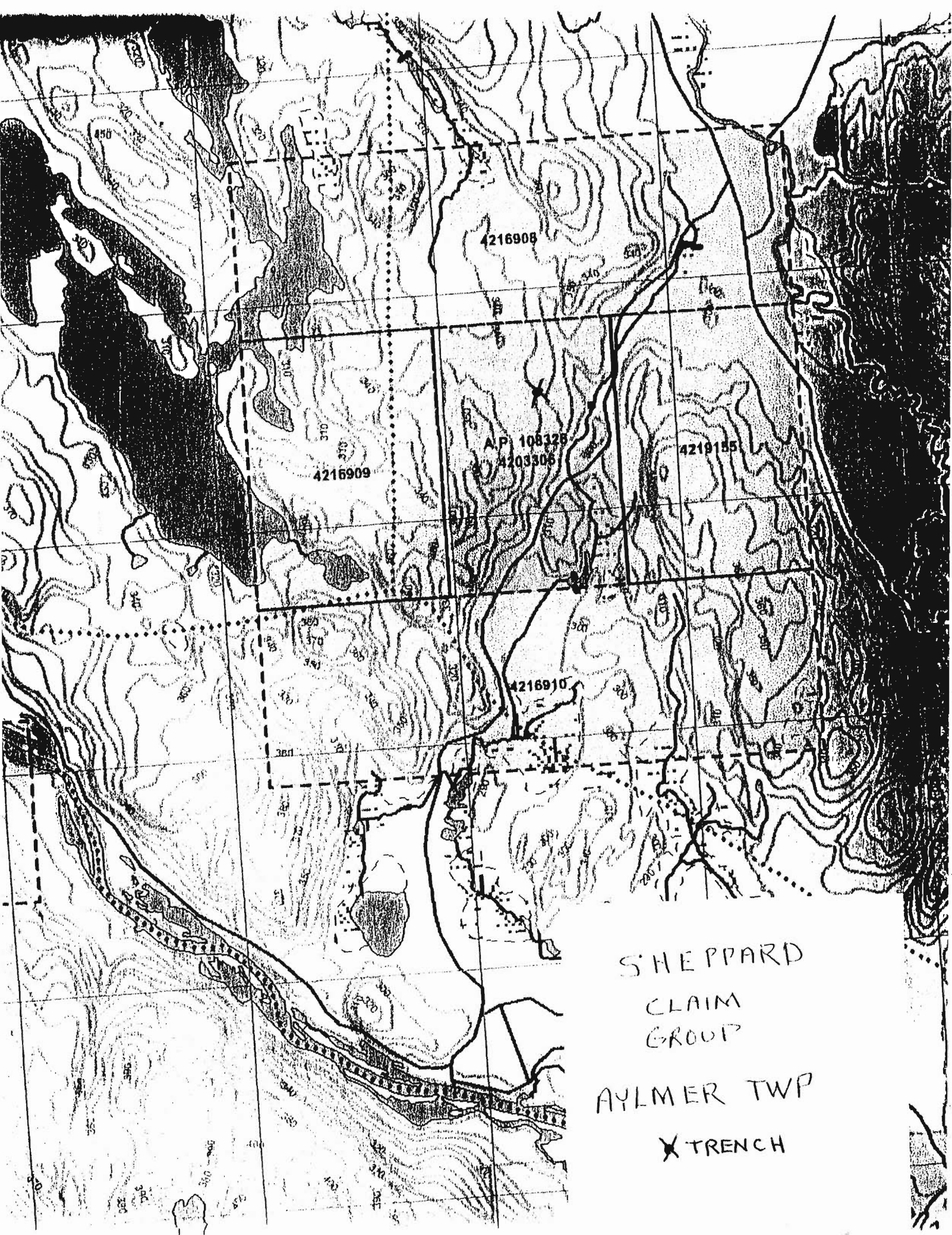
Location and Access	1
Location and Access Map	2
Marginal Notes	3
Preamble and Summary	4
Sheppard Claim Group Map	5
New Grid Map	6
Trenching Map	7
Photos	8
List of Workers	9
Assays	10-17

## **LOCATION AND ACCESS**

Aylmer Township is located north northwest of Lake Wahnapiatae, Sudbury Mining Division. Access to Aylmer Township is via 40km of road north of Capreol using highway 545 then onto Portelance Road and then onto Poupore logging road.



Location Map  
 SHEPPARD PROPERTY  
 Sudbury Area  
 ONTARIO N.T.S. 41-1



4216908

4216909

A.P. 108325  
4203308

4219155

4216910

SHEPPARD  
CLAIM  
GROUP

AYLMER TWP

X TRENCH

## Aylmer Township

### MARGINAL NOTES

**LOCATION AND ACCESS:** Aylmer and Rathbun Township are located north and northeast of Lake Wanapitei, about 40km northeast of Sudbury. Aylmer Township is bounded by latitude 46°47'54" and 46°53'06" N and Longitudes 80°49'12" W. Rathbun Township by Latitudes 46°47'54" and Longitudes 80°49'12" W.

Access to Aylmer Township is provided by Highway 545 from Capreol and a gravel road to the northern shore of Lake Wanapitei. Access to Portage Bay, Matagamasi and Kukagami Lakes in Rathbun Township is provided by a gravel road from Highway 17 east of the village of Wanapitei. Both township can be reached by boat across Lake Wanapitei from Skead at the southern end of the lake.

**GENERAL GEOLOGY:** Early Precambrian mafic metavolcanics, metasediments and oxide-facies iron formation underlie part of the northwestern sector of the Rathbun Township. An Early Precambrian diabase dike occurs in northwestern Rathbun near the mouth of Post Creek.

Middle Precambrian sedimentary rocks of the Huronian Supergroup unconformably overlie the older rocks. Quartz sandstones and arkoses of the Mississagi Formation are the oldest Huronian rocks in the area and were observed in southwest Aylmer Township, in northwestern Rathbun Township and on Oak Island in Lake Wanapitei. In northwestern Rathbun Township, Bruce Formation conglomerate outcrops and in western Aylmer Township, the Mississagi Formation is overlain by limestones and wackes of the Espanola Formation which, in turn, are overlain by quartz sandstones of the Serpent Formation. The bulk of the Huronian rocks in the area is made up by wackes and minor arkose and conglomerates of the Gowganda Formation and by arkose and quartz sandstones of the Lorrain Formation.

Nipissing-type gabbro intrudes all the foregoing rock formations. The medium to coarse-grained, in places pegmatic, gabbro forms dikes; mainly, however, the gabbro forms more or less irregularly shaped bodies. In Rathbun Township and south, in Scadding Township, a large ring-shaped gabbro body was observed. Granitic dike rocks are associated with the Nipissing gabbro and were observed at Portage Bay and at central Matagamasi Lake.

Medium to coarse-grained olivine diabase dikes were observed in both townships. They commonly strike northwesterly and intrude the Nipissing type gabbro and older rocks. Very fine-grained, commonly porphyritic, black olivine diabase up to about 3 m thick were observed in Rathbun Township, at the southern shore of Blackthorn Lake and the western shore of Portage Bay.

Sudbury type breccias are present in all of the area but were mainly found in Rathbun Township at and around Basslin Lake. The breccia consists of rounded or angular rock fragments that are few millimetres to several metres in size and that are set in a fine-grained or aphanitic, dark coloured matrix. The fragments are rocks of the Huronian Supergroup or Nipissing-type gabbro.

Cenozoic deposits comprise sand and gravel. Sand deposits are the most important and are found mainly along the Wanapitei River and the northern shore of Lake Wanapitei where they cover large areas of Precambrian rocks.

**STRUCTURAL GEOLOGY:** The Early Precambrian mafic metavolcanics and metasediments exhibit an easterly to southeasterly striking schistosity. The Middle Precambrian rocks, i.e. the rocks of the Huronian Supergroup and the Nipissing-type gabbro are weakly deformed or underformed.

Large open folds and steeply dipping bedding planes have been observed in the Middle Precambrian rocks, however, in many places these rocks are flat lying or only gently dipping. Brecciation occurs along faults in several places. Shattercones have been observed in northwestern Rathbun Township, southwestern Aylmer Township and on Lake Wanapitei. These structures are possibly suggestive of a meteorite impact origin for Lake Wanapitei (Dence and Poplar 1972).

**ECONOMIC GEOLOGY:** Copper: Chalcopyrite, minor bornite and associated calcite and pyrite occur in brecciated and bedded fine-grained arkose of the Gowganda Formation in north central Aylmer Township (No.7). The mineralization appears to be related to a minor east-trending, steeply dipping fault. The main showing is about 6 m long as indicated by a rusty zone and is about 1.3 m wide. Assays gave an average value of 0.78 percent copper over the exposed width of the mineralization as reported by Kennco Explorations (Canada) Limited. All information, if not otherwise stated is from: Assessment Files Research Office, Ontario Geological Survey, Toronto, and Resident Geologist's Files, Ontario Ministry of Natural Resources, Sudbury.

Aylmer Township copper deposit (No.7): In 1957 Kennco Explorations (Canada) Limited agreed to option from Messrs. Barry and Gasparini eighteen mining claims in central Aylmer Township. In the spring of 1958 surface trenching and pack-sack drilling were done the claims were included in a larger area over which Kennco Explorations (Canada) Limited did airborne magnetic and electromagnetic work. In 1965 McPhar Geophysics Limited (No.7) conducted an induced polarization and resistivity survey for Nova Beaucage Mines Limited. The induced polarization results did not indicate any large near-surface deposit of their massive or heavily disseminated sulphide mineralization. Two holes were diamond drilled for a total length of 277 m to determine the cause of a small IP anomaly. The drill cores, however, did not show any significant mineralization. During the summer of 1977 the land around the significant claim group of Nova Beaucage Mines Limited was held by W.Borer (No.3).

In The Spring of 2007 a group of prospectors from Sudbury discovered a new showing approximately ½ mile west of the initial showing that gave a grab Sample of 7.70 % Copper.

A Magnetic survey was done using a McPhar Proton mag model GP-70 around this occurrence that indicates an anomalies 160 m wide and 300m long. They have secured a block of 42 claims around this showing.

## REFERENCES

- Collins, W.H.  
1917: Onaping Map-Area; Geol. Surv, Canada, Memoir 95.
- Dence, M.R. and Popelar, J.  
1972: Evidence for an Impact Origin for Lake Wanapitei, Ontario; Geol. Assoc. Canada, Special Paper No.10, p.117-124
- Dressler, B.  
1978: Aylmer Township, District of Sudbury; Ontario Geological Survey Prelim. Map P. 1608, Geological Ser., Scale 1:15 840 or 1 inch to ¼ mile. Geology 1977.
- Koulomzine, T.  
1955: Unpublished report on Dolmac Mines Ltd. property, Rathbun Township, District of Sudbury; File 63.6035, assessment Files Research Office, Geological Branch, Ontario Ministry of Natural Resources, Toronto.

Meyn, H.D.

1966: Capreol Sheet, Districts of Nipissing and Sudbury; Ontario Div. Mines Prelim. Map P.367, Geol. Compilation Series, Scale 1 inch to 2 inch.

Ontario Dept. Mines

1924: report of the Ontario Iron Ore Committee ( with appendix) 1923.

Quirke, T.T.

1922: Wanapitei lake Map-Area; Geol. Surv. Canada Summary Report, 1921, part D, p.34-50



## **PREAMBLE AND SUMMARY**

In the spring of 2010 while prospecting on claim 4203306 we found a gossan area in the sediments (quartzite) that yielded an assay of .031 oz/ton. The material a very pink hard fine grained material with pyrite and or arsenopyrite. We started a stripping and trenching project that is now 13' long, 2' wide and 3' deep.

The attached photo clearly shows the jointing and the structure is striking 315° and the photo is looking along strike to the N.W.

### **Summary**

We intend to expand on this showing with explosives to obtain fresher samples.



Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Geoscience Laboratories  
933 Ramsey Lake Road  
Sudbury, ON P3E 6B5

TO:

Person:

*FRED*

Organization:

Date:

FAX Number:

# of Pages:

*4*

(including this cover)

FROM:

Name:

*PELE*

Section:

Phone Number:

FAX Number:

1-705-670-3047

Subject:

*XRF ANALYSIS*

*MAJORS*

*03/09/2001*

Sample name (1-60) Ag As Ba Bi Co Cr Cs Cu Ga K Mn  
 Ag As1 Ba9 Bi1 Co2 Cr7 Cs1 Cu3 Ga1 K9 Mn7  
 (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (ppm)

10-0084-0001	0	166	25	1	2	31	79	8	6	25	4167	4264	22
10-0084-DP-0001	0	165	27	1	2	32	79	8	5	25	4219	4441	21
BIR-1-0084	1	1	3	4	8	52	387	4	134	18	228	268	1278
LDI-2-0084	1	-2	62	3	5	60	276	7	1184	10	353	2474	876

Mo Na Nb Ni P Pb Rb Sb Sc Se Sn  
 Mo Na7 Nb Ni3 P7 Pb Rb Sb Sc3 Se1 Sn  
 (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (ppm)

10-0084-0001	2	68480	7	11	1092	5	3	0	8	13	6.313	0	8
10-0084-DP-0001	2	67433	7	12	1139	3	3	-1	8	15	6.345	-1	8
BIR-1-0084	1	15599	1	154	116	3	1	-3	6	42	-1.544	-3	8
LDI-2-0084	0	11510	0	1150	33	2	13	-3	6	29	3.013	-3	8

Sr Ta Th Ti V W Y Zn Zr  
 Sr Ta1 Th Ti1 V2 W1 Y Zn3 Zr  
 (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (ppm)

10-0084-0001	48	3	6	2653	64	4	3	1	113
10-0084-DP-0001	48	3	6	2711	62	5	3	1	113
BIR-1-0084	110	3	1	5609	304	2	15	62	16
LDI-2-0084	183	12	0	850	88	0	2	42	8

## TraceMajors06

4

Sample name (1-20)	Na Na7 (ppm)	P P7 (ppm)	S S7 (ppm)	K K9 (ppm)	Sc Sc3 (ppm)	Ti Ti1 (ppm)	V V2 (ppm)	Cr Cr7 (ppm)	Mn Mn7 (ppm)	Co Co2 (ppm)	Ni Ni3 (ppm)
BIR-1- 0084	15599	116	279	<del>238</del>	42	5609	304	387	1278	52	154
LDI-2- 0084	11510	33	2539	<del>23632</del>	29	850	88	276	876	60	1150
10-0084- 0001	68480	1092	14594	<del>416343</del>	13	2653	64	79	22	31	11
10-0084-DP- 0001	67433	1139	15143	<del>427444</del>	15	2711	62	79	21	32	12

Cu Cu3 (ppm)	Zn Zn3 (ppm)	Ba Ba9 (ppm)	La La1 (ppm)	Al2O3 Al7 (%)	CaO Ca4 (%)	Fe2O3 Fe1 (%)	MgO Mg8 (%)	SiO2 Si8 (%)
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BIR-1- 0084	134	62	3	3	16	13	11	7	46
LDI-2- 0084	1184	42	62	3	17	10	7	13	52
10-0084- 0001	6	1	25	9	14	0	7	0	59
10-0084-DP- 0001	5	1	27	13	14	0	7	0	59



# Fire-Assay Certificate of Analysis

65 Nelson Road  
Lively, Ontario  
P3Y 1P4 Canada  
Tel: 705-682-2777 x 109  
Fax: 705-682-4777  
Peter.larabie@spjlab.com

Issued To: Fred Delabbio  
2355 Lasalle  
Sudbury Ontario.

Certificate No: 09-0052-10  
Certificate Date: August 5, 2010  
Project Number: No information  
SPJ Job No. 09-0052  
Submission Date: August 3 /2010  
Delivery Via: Postal  
QC Requested: Y

Phone: 705 560-3705  
Fax: 705-560-6983  
E-Mail:  
Client No.: SPJ - FD 100

### Method Code reported with this certificate

Method Code	Description	QTY	Test Status
FA-1	Fire Assay Gravimetric	1	Complete

Legend:  
N.D. = Not Detected  
N.M. = Not Measured  
Please refer to the SPJ Labs Job No. 09-0013 if you have any questions

### Certified By:

Peter Larabie, Chief Fire Assayer

Date: August 05/2010

Please find enclosed results for submitted sample # 09-0052 for Fire Assay Gravimetric for Gold  
 Sample was run @ 1 A.Ton  
 A duplicate sample was run along with Certified reference material PJV-2  
 Best Regards,  
 Peter Larabie  
 SPJ @ SPJ labs

**GEOLOGIST:** Fred NELMACO  
**JOB # :** 09-0052 **Fusion Date:** august 05/10

**ANALYST:** Peter **Cupellation Dat** august 05/10  
**SPJ Labs Metals and Minerals**

Fusion temperature: 1950  
 Cupellation 1650

	SPJ sample #	Client #	Chemical Added	Balance Wt.	Reported Wt. (Au/Ag)
1	09-0052-01	FD-1	Ag.	Au. Only	.017 oz/ton
2	01-D	FD-1	Ag.	Au. Only	.015 oz/ton
3	PJV-2 std	C.R.M. .273	Ag.	Au. Only	0.272
4					
5					
6					
7					
8					
9					
10					
11					
12					

08/05/2010



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **PRECAMBRIAN EQUIPMENT LIMITED**  
 2355 LASALLE BLVD.  
 SUDBURY ON P3A 2A9

INVOICE NUMBER 2112265

BILLING INFORMATION	
Certificate:	<b>SD10099380</b>
Sample Type:	<b>Rock</b>
Account:	<b>PREEQU</b>
Date:	<b>2-AUG-2010</b>
Project:	
P.O. No.:	
Quote:	
Terms:	<b>Due on Receipt</b> C1
Comments:	

ANALYSED FOR			UNIT	TOTAL
QUANTITY	CODE	DESCRIPTION	PRICE	
1	BAT-01	Administration Fee	30.00	30.00
1	PREP-31	Crush, Split, Pulverize	6.75	6.75
0.92	PREP-31	Weight Charge (kg) - Crush, Split, Pulverize	0.65	0.60
1	Au-AA23	Au 30g FA-AA finish	14.55	14.55

To: **PRECAMBRIAN EQUIPMENT LIMITED**  
 ATTN: FRED DELABBIO  
 2355 LASALLE BLVD.  
 SUDBURY ON P3A 2A9

SUBTOTAL (CAD)	\$	51.90
R100938885 HST ON	\$	6.75
<b>TOTAL PAYABLE (CAD)</b>	<b>\$</b>	<b><u>58.65</u></b>

Please Remit Payments To :  
**ALS Canada Ltd.**  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name:	ALS Canada Ltd.
Bank:	Royal Bank of Canada
SWIFT:	ROYCCAT2
Address:	Vancouver, BC, CAN
Account:	003-00010-1001098

paid

SD10099380 - Finalized

CLIENT : PREEQU - Precambrian Equipment Limited

# of SAMPLES : 1

DATE RECEIVED : 2010-07-21 DATE FINALIZED : 2010-08-02

PROJECT :

CERTIFICATE COMMENTS :

PO NUMBER :

Au-AA23

SAMPLE Au

DESCRIPTIC ppm

2 0.019





**ALS Chemex**  
 EXCELLENCE IN ANALYTICAL CHEMISTRY  
 ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **PRECAMBRIAN EQUIPMENT LIMITED**  
 2355 LASALLE BLVD.  
 SUDBURY ON P3A 2A9

**INVOICE NUMBER 2107027**

BILLING INFORMATION		
Certificate:	<b>SD10092531</b>	
Sample Type:	<b>Rock</b>	
Account:	<b>PREEQU</b>	
Date:	<b>20-JUL-2010</b>	
Project:		
P.O. No.:		
Quote:		
Terms:	<b>Due on Receipt</b>	<b>C3</b>
Comments:		

ANALYSED FOR			UNIT	TOTAL
QUANTITY	CODE	DESCRIPTION	PRICE	
1	BAT-01	Administration Fee	30.00	30.00
1	PREP-31	Crush, Split, Pulverize	6.75	6.75
0.48	PREP-31	Weight Charge (kg) - Crush, Split, Pulverize	0.65	0.31
1	Au-AA23	Au 30g FA-AA finish	14.55	14.55

*Fred  
21/07/10  
cheque 2306*

To: **PRECAMBRIAN EQUIPMENT LIMITED**  
 ATTN: FRED DELABBIO  
 2355 LASALLE BLVD.  
 SUDBURY ON P3A 2A9

SUBTOTAL (CAD) \$ 51.61  
 R100938885 HST ON \$ 6.71  
**TOTAL PAYABLE (CAD) \$ 58.32**

Payment may be made by: Cheque or Bank Transfer

Please Remit Payments To :  
**ALS Canada Ltd.**  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7

Beneficiary Name: ALS Canada Ltd.  
 Bank: Royal Bank of Canada  
 SWIFT: ROYCCAT2  
 Address: Vancouver, BC, CAN  
 Account: 003-00010-1001098



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

2103 Dollarton Hwy

North Vancouver BC V7H 0A7

Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: PRECAMBRIAN EQUIPMENT LIMITED

2355 LASALLE BLVD.

SUDBURY ON P3A 2A9

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Total # Pages: 2 (A)

Finalized Date: 20-JUL-2010

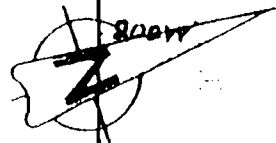
Account: PREEQU

## CERTIFICATE OF ANALYSIS SD10092531

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au g/t 0.005
#1		0.48	0.043

CLAIM 42169-10

CLAIM 4203306



NO. 3 POST OF 4203306

PINE

MIXED FOREST

FORE

CLAIM LINE

285m

QUARRY ROAD

800N

100W

50W

800N BASE LINE-018

MIXED FOREST

50E

HAILAGE ROAD

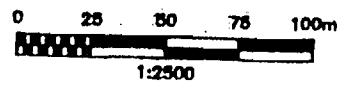
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MIXED FOREST

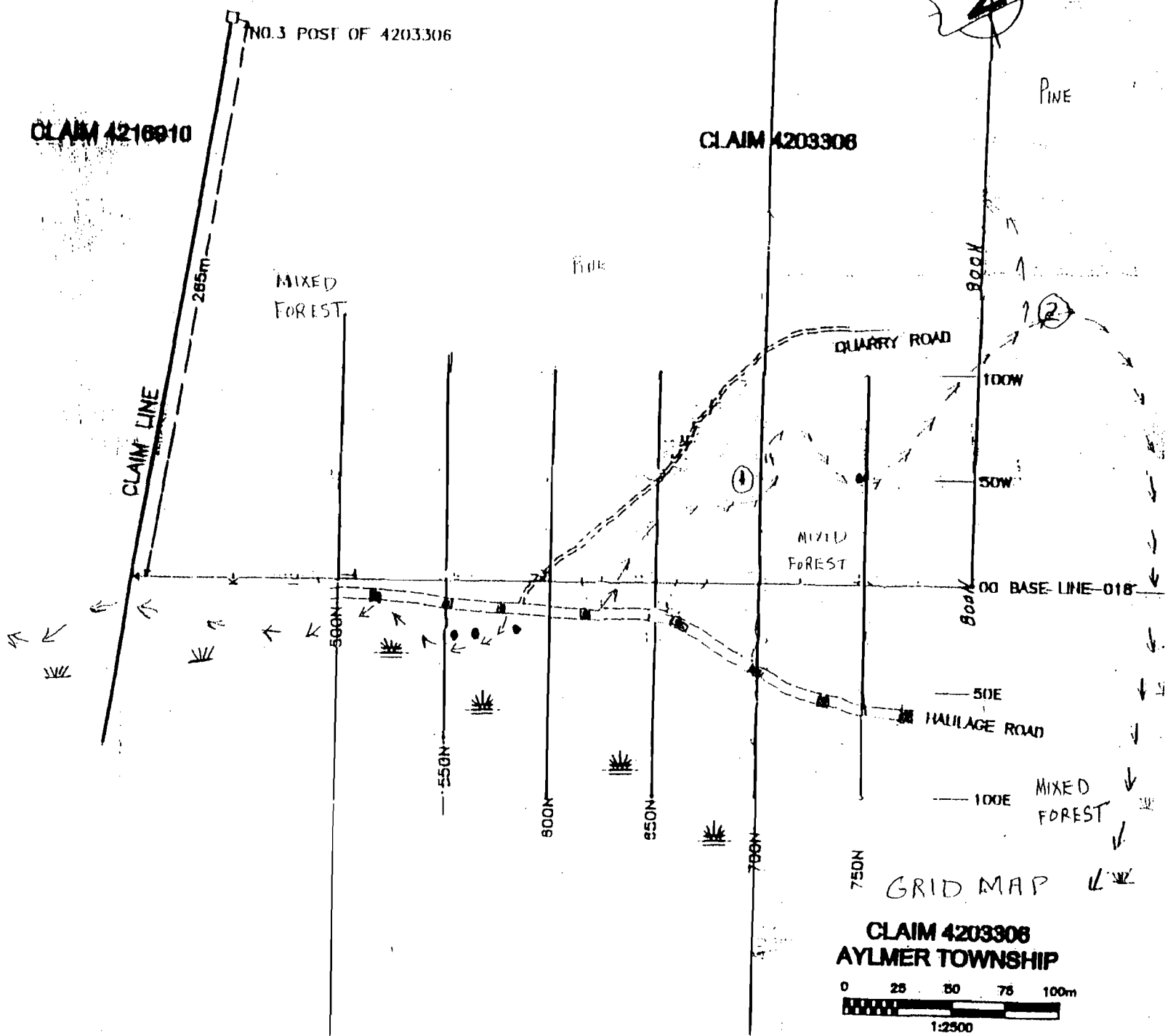
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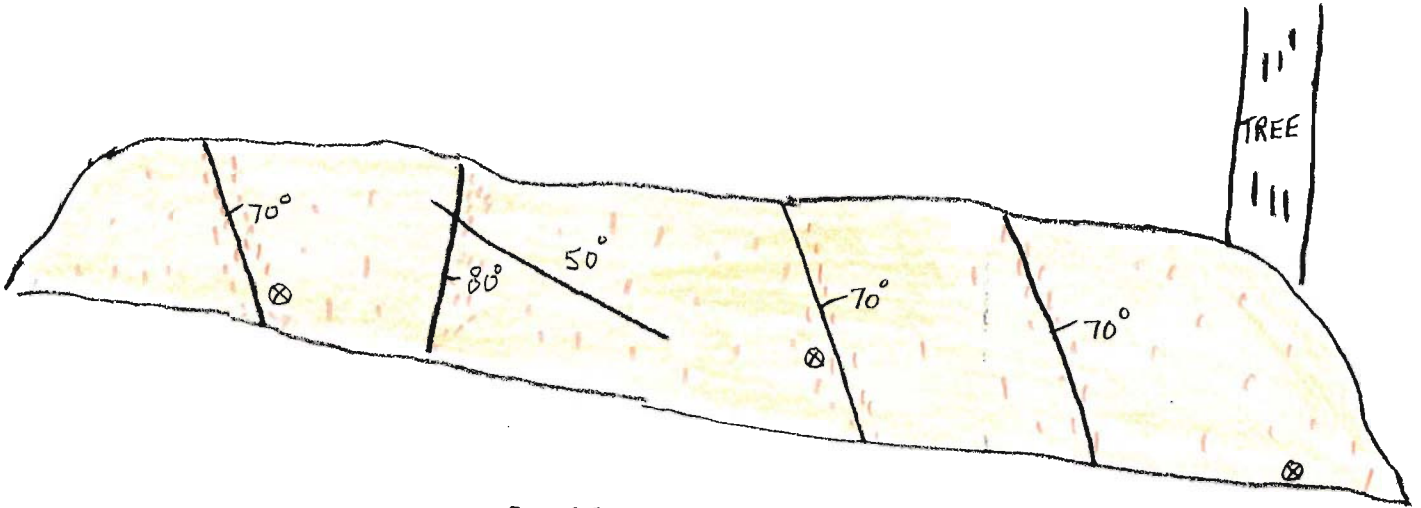
GRID MAP

CLAIM 4203306  
AYLMER TOWNSHIP



- LOGGING ROAD
- TRAIL
- ① COPPER SHOWING
- ② NEW SHOWING
- PIT





CROSS SECTION  
ON STRIKE 315°



PLAN

LEGEND

SCALE  
1" = 2'



- HURONIAN SEDIMENT
- SULPHIDES
- SAMPLE
- DIP
- STRIKE

DRAWN BY F. Delabbio P.Eng  
JULY 2010

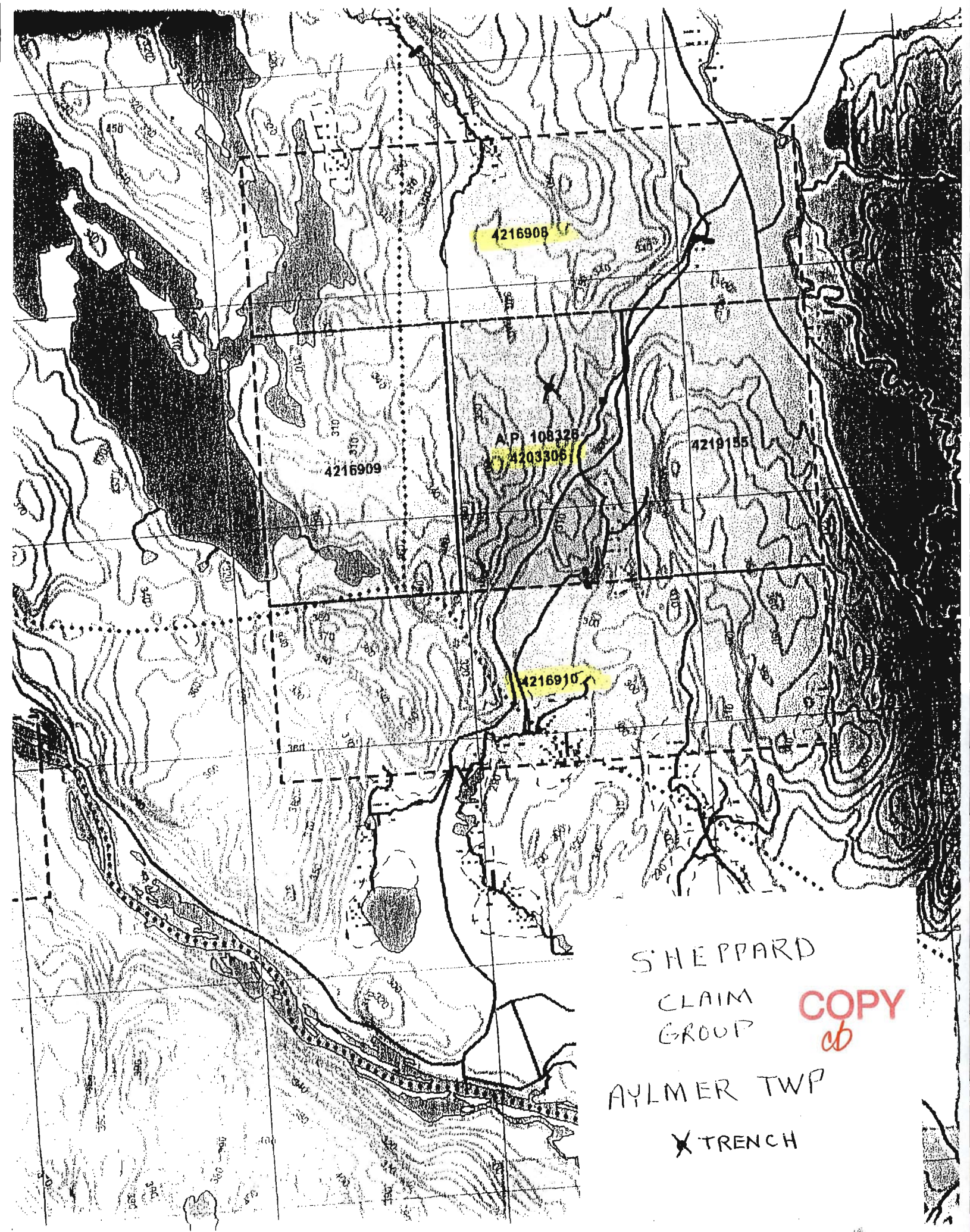




Looking N ~~W~~  
(315°)

JULY 18 / 10





4216908

4216909

A.P. 108328  
4203306

4219155

4216910

SHEPPARD  
CLAIM  
GROUP

COPY  
cb

AYLMER TWP

X TRENCH