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Prospecting on
Cell 318738 in
Aylmer Township, Sudbury, Ontario
Sheppard Claims
September 19, 2019

F. Delabbio, P.Eng.

Abstract

A full comprehensive report by Stu Winter is attached which illustrates what we are trying to accomplish.

TABLE OF CONTENTS

Job: Aylmer

Date: September 12, 2019

Picked up Stu Winter and Tom Sheppard and travelled up to search for old pits reported by O.D.M. and plotted by STV on legacy claim 4216910. We broke the group into three separate parties to try different locations. We had no luck in finding the pits. We did locate a large piece of sulphide float and also a small outcrop of quartz breccia which we exposed of at a later date.

TRAVERS ON CELL 318738

Party Chief: Fred Delabbio

Weather: Sunny, 20 degrees

SHEPPARD PROPERTY

AYLMER TOWNSHIP

DISTRICT OF SUDBURY, ONTARIO

MAIN SHOWING - DISCOVERY PIT LOCATION

L. D. S. Winter
BASc,MSc (App)
29 October 2019

1. Introduction

Historical information in the files of the Ontario Geological Survey (OGS) indicate the presence of copper mineralization in what is now the south-central part of the Sheppard Aylmer Township Property (Figures 1 and 2). In OGS GDIF 336 Map 2, the location of this mineralization is labelled "B Discovery Pit" (Figure 3). In Aylmer Township Assessment Work File 0012 #1, a map shows a McPhar Geophysics Limited, IP Anomaly and immediately to the south is a point labelled "Main Showing". This work was done in 1965 on the Billoki Property by Nova Beaucage Mines Limited. (Figure 4 Main Showing).

From these and other maps and with reference to locations with known UTM co-ordinates, an attempt was made to determine the UTM co-ordinates of the Main Showing / Discovery Pit. Three estimates were calculated using different reference points and the average or central co-ordinates were calculated to be 517630mE;5189380mN, NAD 83 (Figure 5)

2. Work Done

On the 12th September 2019, Mr F. Delabbio, Mr Tom Sheppard and the writer visited the Sheppard Property with the objective of the visit being to locate on the ground the "Main Showing / Discovery Pit". Mr. Delabbio walked from point A in Figure 6 on the main forest access road northeastward to the area of the " Main Showing / Discovery Pit". Mr. Sheppard and the writer drove to site B in Figure 6 and then walked southeastward along an old gravel forest road to the site, 5 in Figures 5 and 6 to where a large boulder of "gossan" was partially exposed beside the road. Adjacent to the boulder were additional small pieces of gossan which may have come from the boulder and/or the same source area.

3. The location of the boulder is at UTM co-ordinates, 517625mE;5189335mN and the UTM average co-ordinates for the "Main Showing / Discovery Pit" are 517630mE: 5189380mN, approximately 45 metres to the north. From the area of the boulder Mr Sheppard did a traverse to the northeast then west to the road but due to the area being cut-over and with a thick second groth no showings were observed (Figure 6). As per Figure 6 the writer continued a traverse to the southeast, however, no additional boulders of interest were observed in the gravels adjacent to the road

While walking back to the truck at B on the old road an outcrop on the northeast side of the road was looked at and an area of brecciation was noted , one sample was collected and Mr. Delabbio submitted the sample to ALS Minerals for analysis. The location of this outcrop and sample is shown in Figure 6 as "Breccia Outcrop". In hand speciman the rock appeared to be very fine-grained and of a medium brown colour which suggests that the rock had been strongly altered. . In the area this type of alteration is commonly associated with copper-gold mineralization and in conjunction with the gossan boulder suggests the "Main Showing / Discovery Pit" may be relatively close. The sample also contained in the order of 3 % fine disseminated pyrite. The boulder is approximately 0.6 metres in diameter

Fred Delabbio took a sample of the altered rock from the "breccia outcrop" and sent it to ALS Minerals and of particular interest is the gold value of 0.64 ppm from a rock estimated to carry only 3 % +/= pyrite. The pyrite is very fine grained. A copy of the analytical results follows these comments..

To attempt to locate the "Main Showing / Discovery Pit" it is recommended that an area 500 m north-south and 500 m east west, centred at Site 2, Figure 6 be covered by an IP gradient survey - 5 east-west lines spaced at 100 m and 500 m long.

L. D S. Winter
29 October 2019

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

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

QC CERTIFICATE OF ANALYSIS SD19252816

Sample Description	Method Analyte Units LOD	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.02	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1	ME-MS41 Cs ppm 0.05	ME-MS41 Cu ppm 0.2
DUPLICATES																
ORIGINAL		0.69	0.23	55.3	0.62	<10	710	0.28	0.04	0.03	0.15	3.52	0.7	25	0.81	7.8
DUP		0.70	0.25	58.6	0.64	<10	750	0.28	0.05	0.04	0.14	3.73	0.8	26	0.86	8.7
Target Range - Lower Bound		0.65	0.22	54.0	0.58	<10	670	0.22	0.03	0.02	0.13	3.42	0.6	23	0.74	7.8
Upper Bound		0.74	0.26	59.9	0.68	20	790	0.34	0.06	0.05	0.16	3.83	0.9	28	0.93	8.7
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
I674830																
DUP																
Target Range - Lower Bound																
Upper Bound																

***** See Appendix Page for comments regarding this certificate *****

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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
DUPLICATES																
ORIGINAL		0.61	1.40	<0.05	0.13	0.86	0.012	0.09	2.3	1.2	0.02	37	5.62	0.01	<0.05	3.2
DUP		0.67	1.51	<0.05	0.13	0.88	0.011	0.10	2.5	1.3	0.02	44	6.07	0.01	<0.05	3.4
Target Range - Lower Bound		0.60	1.33	<0.05	0.10	0.79	0.006	0.08	2.1	1.1	<0.01	33	5.50	<0.01	<0.05	2.9
Upper Bound		0.68	1.58	0.10	0.16	0.95	0.017	0.11	2.7	1.4	0.03	48	6.19	0.02	0.10	3.7
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
I674830																
DUP																
Target Range - Lower Bound																
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Sample Description / Method / Analyte / Units / LOD	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2	ME-MS41 Ti % 0.005	ME-MS41 Tl ppm 0.02
DUPLICATES															
ORIGINAL	130	7.9	3.6	0.001	0.06	19.15	0.6	0.7	0.3	69.5	<0.01	0.02	0.9	<0.005	0.17
DUP	140	8.8	3.9	0.001	0.07	19.95	0.7	0.6	0.4	74.9	<0.01	0.02	1.0	<0.005	0.17
Target Range - Lower Bound	120	7.7	3.5	<0.001	0.05	18.05	0.5	0.4	<0.2	68.4	<0.01	<0.01	0.7	<0.005	0.14
Upper Bound	150	9.0	4.0	0.002	0.08	21.1	0.8	0.9	0.4	76.0	0.02	0.03	1.2	0.010	0.20
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
I674830															
DUP															
Target Range - Lower Bound															
Upper Bound															

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QC CERTIFICATE OF ANALYSIS SD19252816

Sample Description / Method / Analyte / Units / LOD	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5	Au-ICP21 Au ppm 0.001
DUPLICATES							
ORIGINAL	1.02	64	1.10	2.35	17	3.7	
DUP	1.06	68	1.10	2.43	19	3.9	
Target Range - Lower Bound	0.94	62	0.97	2.22	15	3.0	
Upper Bound	1.14	70	1.23	2.56	21	4.6	
ORIGINAL							<0.001
DUP							<0.001
Target Range - Lower Bound							<0.001
Upper Bound							0.002
ORIGINAL							0.004
DUP							0.004
Target Range - Lower Bound							0.003
Upper Bound							0.005
I674830							0.008
DUP							0.009
Target Range - Lower Bound							0.007
Upper Bound							0.010

***** See Appendix Page for comments regarding this certificate *****

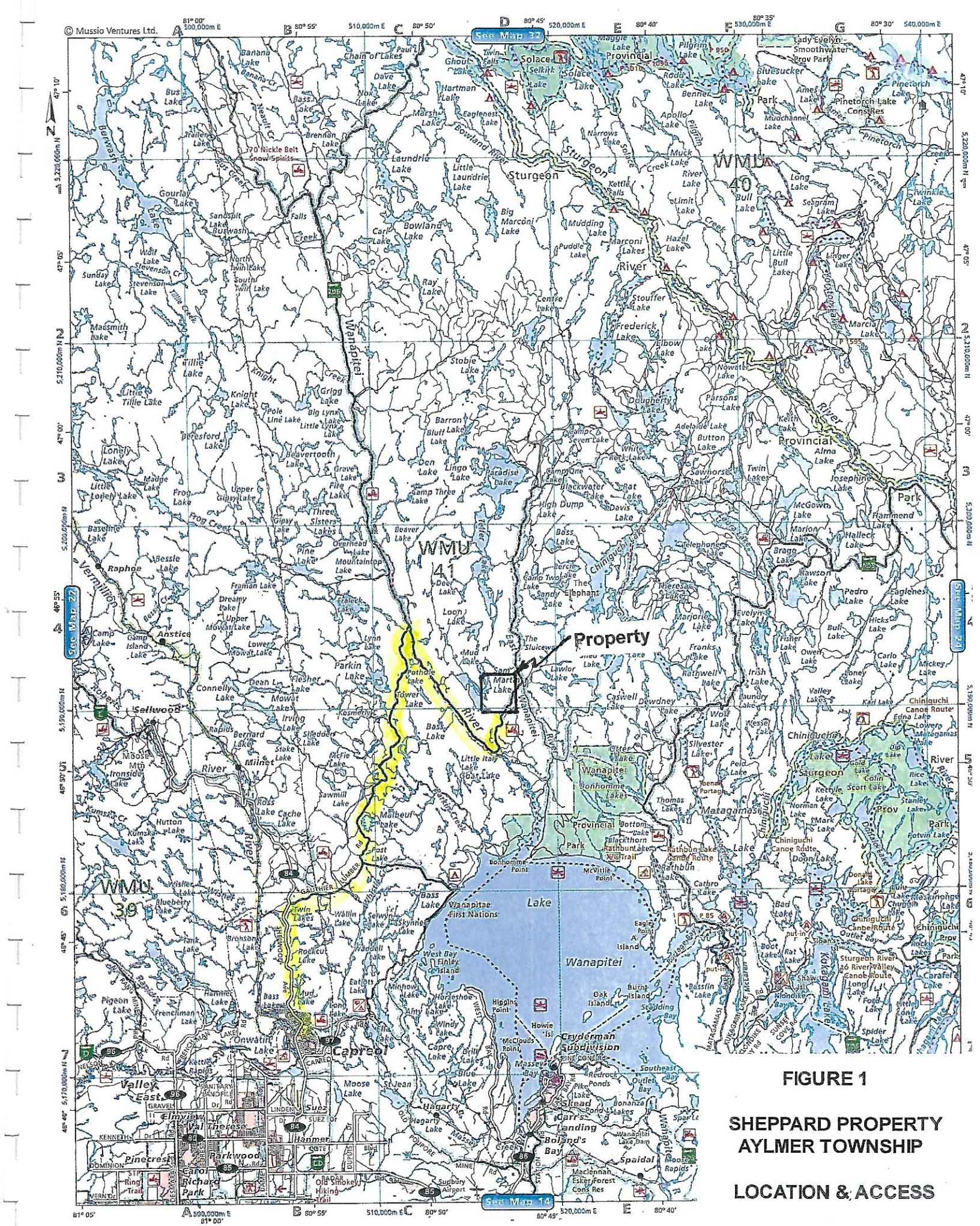
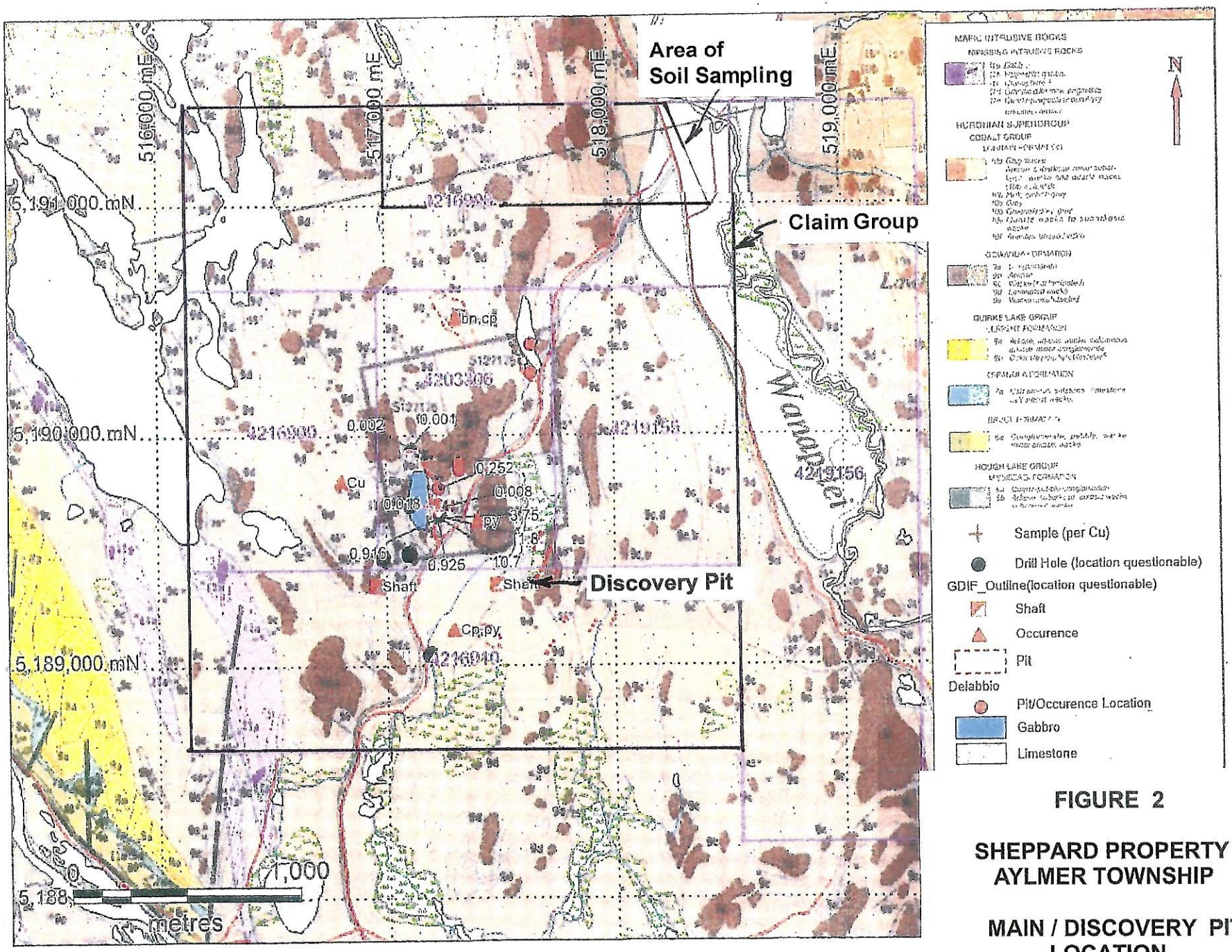


FIGURE 1

SHEPPARD PROPERTY
AYLMER TOWNSHIP

LOCATION & ACCESS

Scale: 1:250 000 Oct 2019



After Smith 2014

FIGURE 2

SHEPPARD PROPERTY
AYLMER TOWNSHIP

MAIN / DISCOVERY PIT LOCATION

Scale: 1: 25 000 Oct 2019

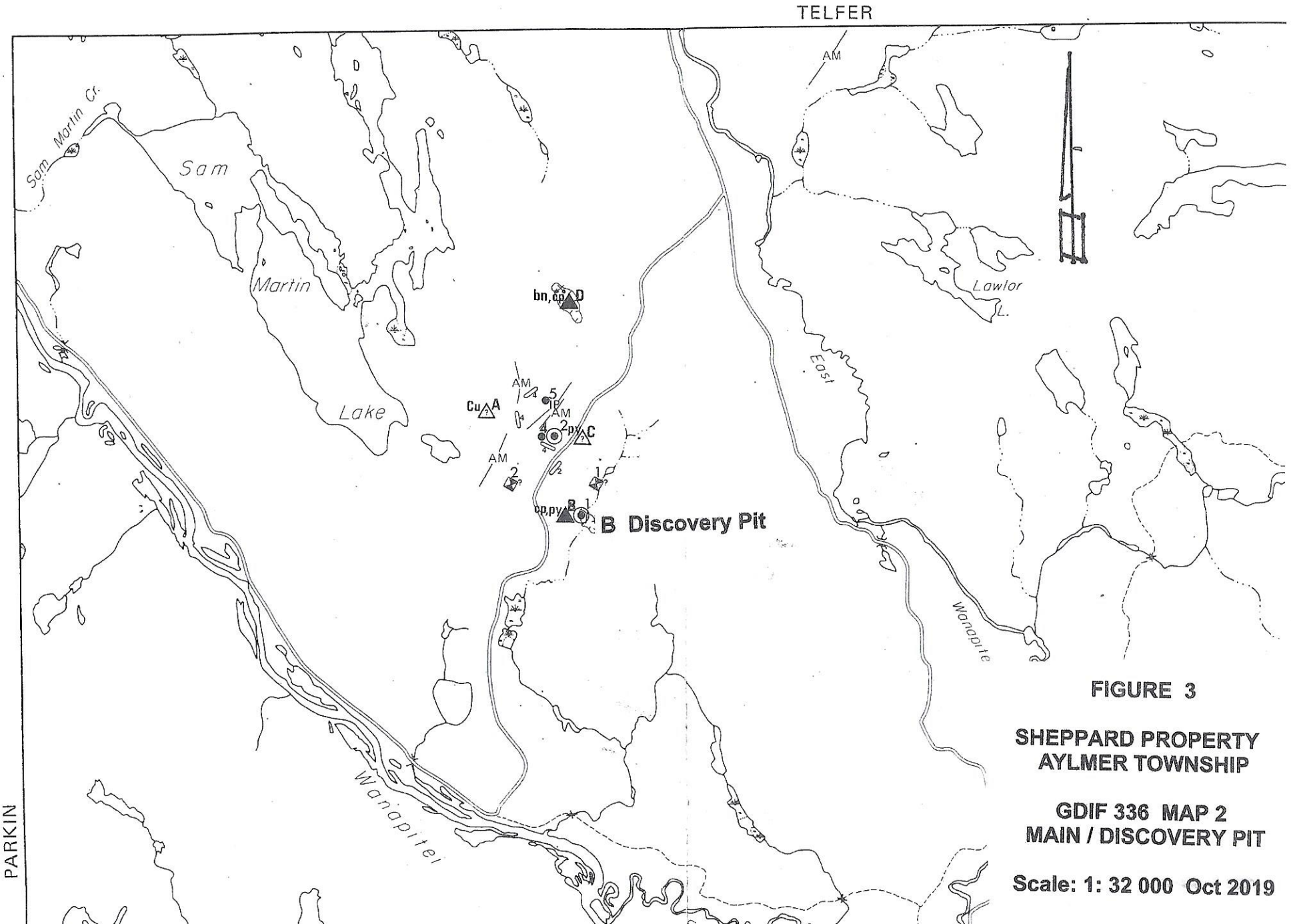


FIGURE 3

SHEPPARD PROPERTY
AYLMER TOWNSHIP

GDIF 336 MAP 2
MAIN / DISCOVERY PIT

Scale: 1: 32 000 Oct 2019

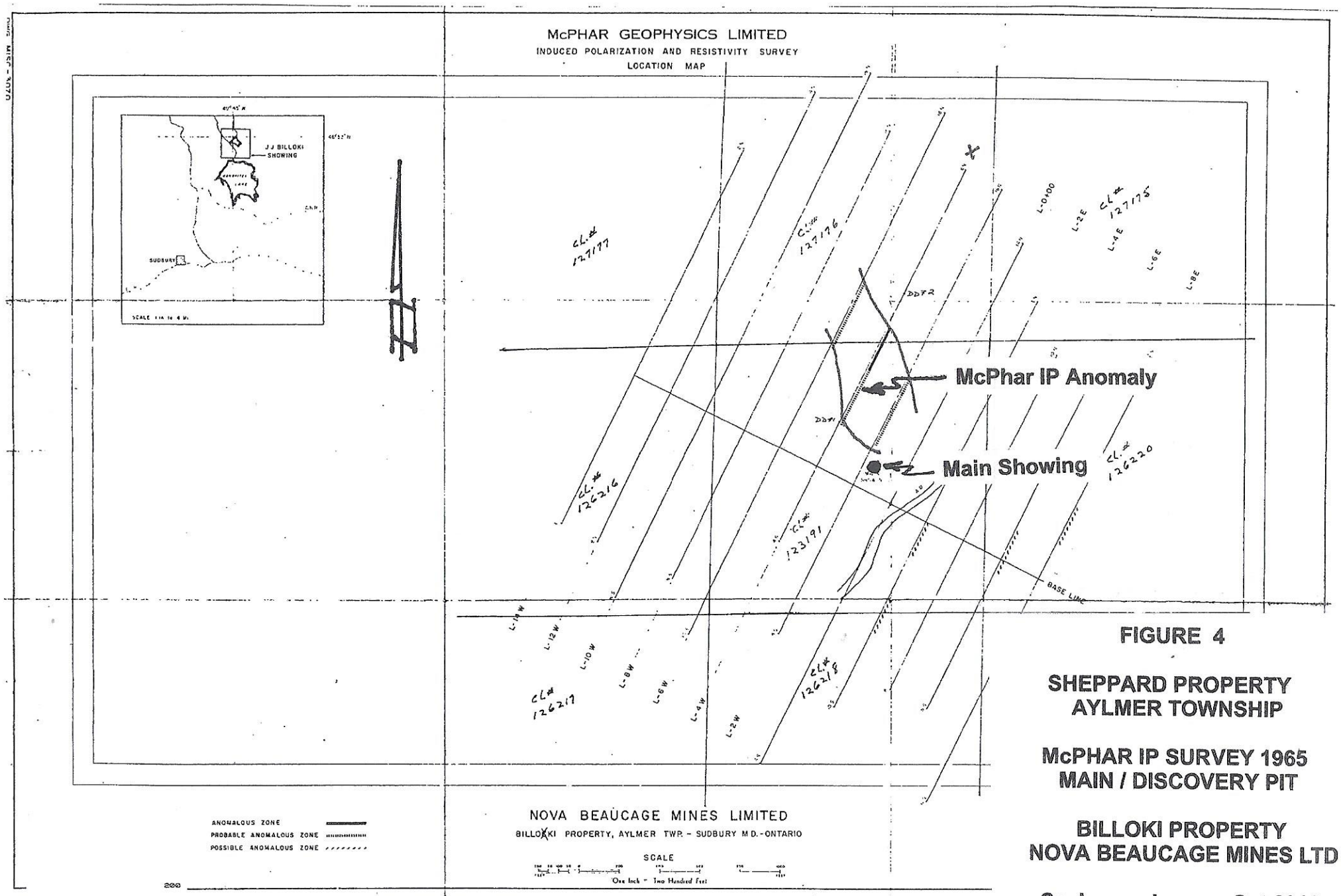


FIGURE 4

SHEPPARD PROPERTY
AYLMER TOWNSHIP

McPHAR IP SURVEY 1965
MAIN / DISCOVERY PIT

BILLOKI PROPERTY
NOVA BEAUCAGE MINES LTD

Scale: as shown Oct 2019

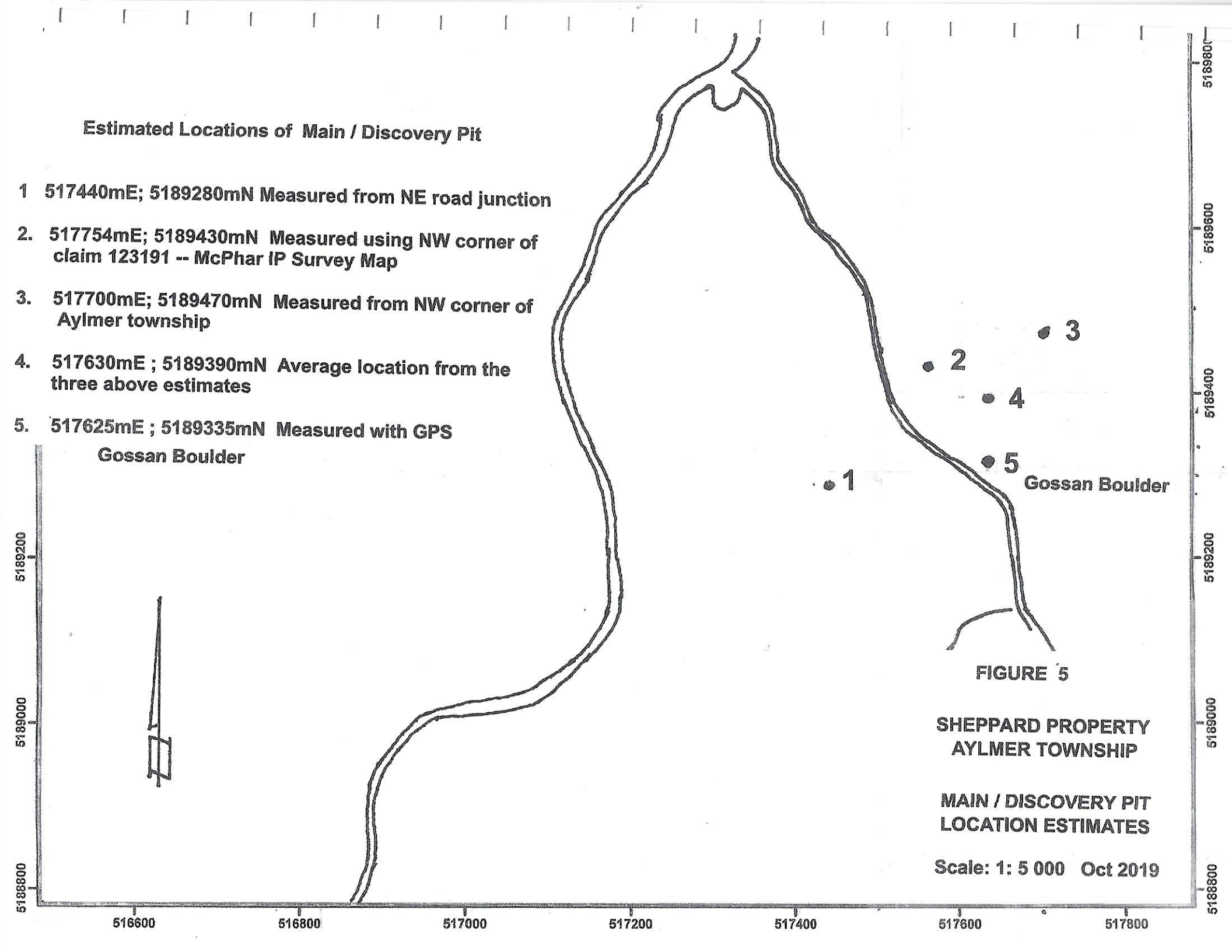


FIGURE 5

SHEPPARD PROPERTY
AYLMER TOWNSHIP

MAIN / DISCOVERY PIT
LOCATION ESTIMATES

Scale: 1: 5 000 Oct 2019

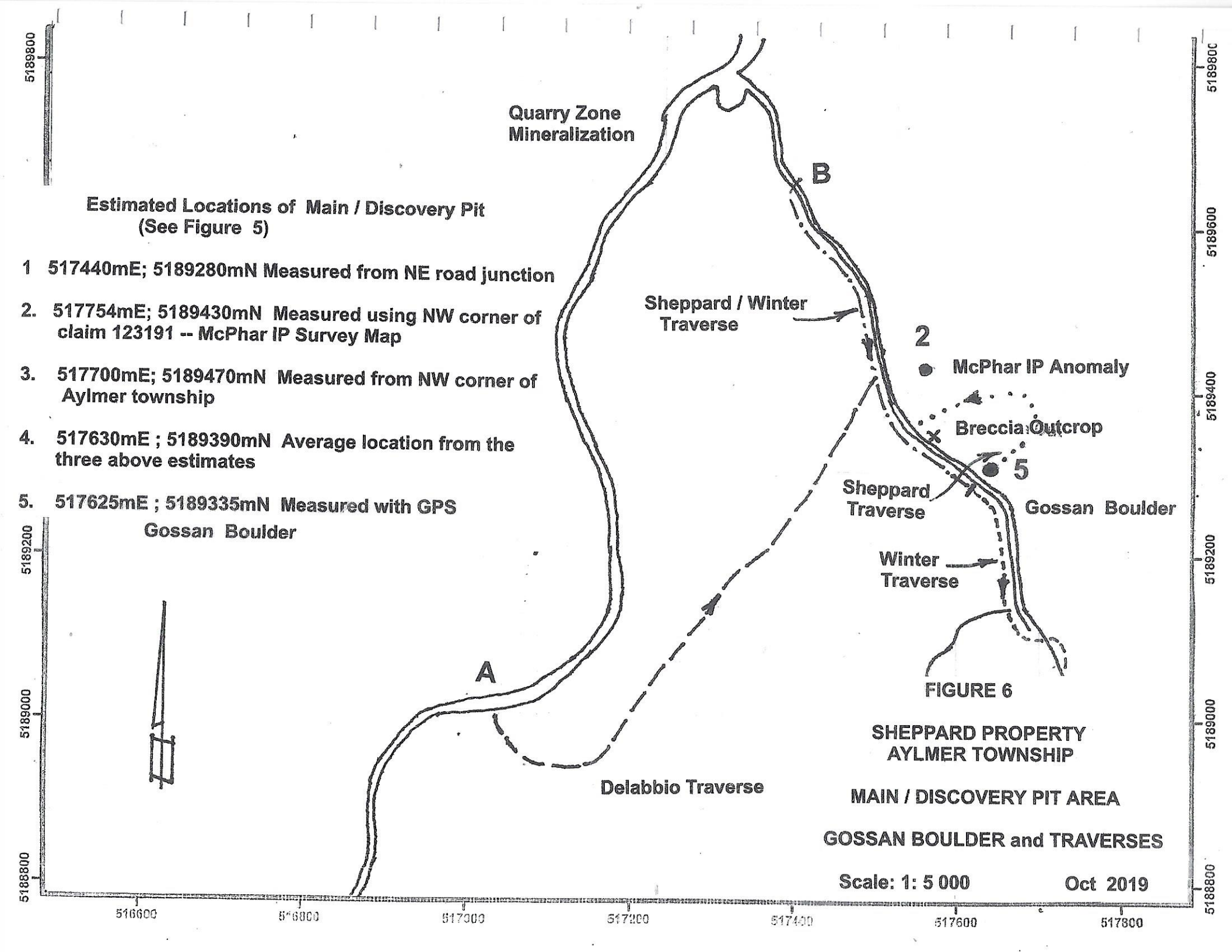


FIGURE 6

SHEPPARD PROPERTY
AYLMER TOWNSHIP

MAIN / DISCOVERY PIT AREA

GOSSAN BOULDER and TRAVERSES

Scale: 1: 5 000 Oct 2019

Nova Beaucage Mines Limited

Billoki Property Main Showing McPhar Geophysics and 1965 Drill Logs for Holes B 1 and B 2

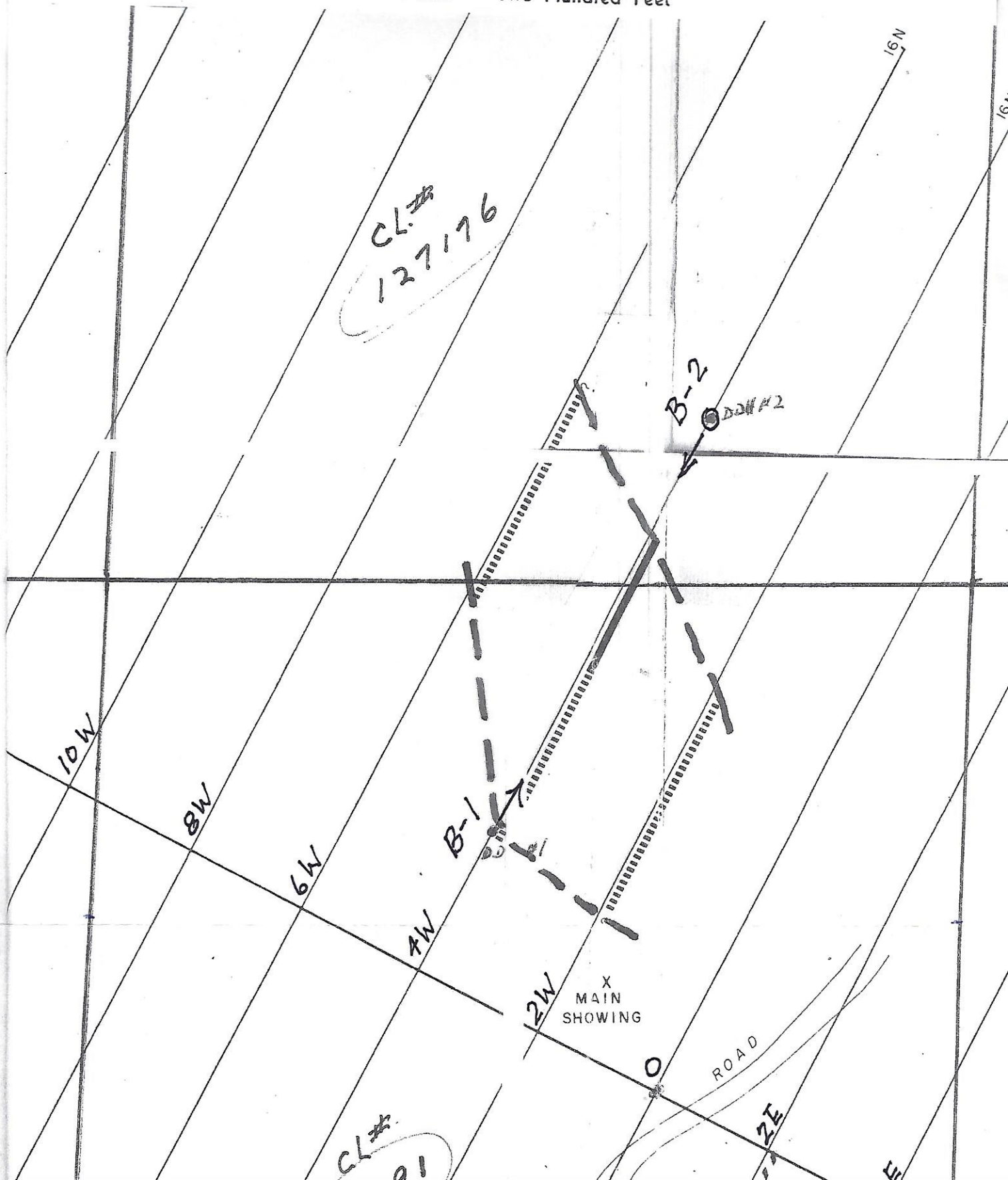
NOVA BEAUCAGE MINES LIMITED

BILLOCKI PROPERTY, AYLMER TWP. - SUDBURY M.D. - ONTARIO

SCALE

200 150 100 50 0 200 400 600 800 1000 FEET

One Inch = Two Hundred Feet



DIAMOND DRILL GEOLOGICAL LOG

OBJECTIVE: TO DETERMINE CAUSE OF I.P. ANOMALY. To determine cause of I.P. anomaly.

SAMPLED: B-1; 112.5m @ 027°

COMPOSITES:

LOGGED BY: R.E. Robinson R E ROBINSON DATE: May 17, 1965

CLAIM: SECT: L4W/2+55N L4W/2+55N PLACE: Aylmer Twp., Ontario (Billoki Property) APP. BEAR: 027° azi. APP. DIP: -40° -33° (at 300 ft. (-33° AT 300') LENGTH: 369

FROM	TO	DISCARD: REASON:
0	19	Casing
19	91	(BRECCIA) Breccia - consists of grey well banded quartzite and buff coloured quartzite, angular fragments of random size and orientation in a pink and white (carbonate and quartz) matrix, sometimes vuggy.
		19 - 53 - breccia consists mainly of grey quartzite fragments
		35.7 spot of chalcopyrite
		53 - 91 - breccia fragments mainly tan to light buff in colour
		62 - 62.6 - few large blebs chalcopyrite in pink carbonate matrix surrounding quartzite fragments.
		68 - 73.5 - pink silicified? quartzite; 10% sulphides, mainly pyrite but about 2% chalcopyrite from 68 - 69.
		76 - 1/4" pyrite stringer in pink carbonate matrix
		86.5 - 1" massive pyrite
91	145	Quartzite - light grey and buff colour, few minor brecciated spots along fractures, hard and dense with charact spots (1 to 4mm) of green chlorite pseudmorphous after another mineral showing crystal outlines,
		few crystals pyrite, bedding approx. parallel to core.
		96.5 - spot of chalcopyrite
		98 - slight brecciation, quartz-carbonate vein pyrite
		121.6 - 124.5 - quartzite showing minor dislocations, veined with a dark mineral, few streaks chalcopyrite
		131 - spot of chalcopyrite
145	153	Breccia - (as 53 - 91), occasional grains of chalcopyrite
153	168	Quartzite - (mainly buff coloured & hard) mainly buff coloured and hard as previously described but with some grey well bedded quartzite. Bedding about parallel to core. (WELL BEDDED QUARTZITE). BEDDING ABOUT PARALLEL TO CORE.

22m bx

bx, chl, py ccp, qtz-carb.

2.5m bx

CORE SIZE

HOLE NO. B-1

DIAMOND DRILL GEOLOGICAL LOG

...EFIP ANOMALY. ...P. anomaly.	SAMPLED:				40 SCALE
...TE: May 17, 1965	COMPOSITES: 112.5m @ 027°				COLOR PLOT & DIPS / ORE CLASSES &
...W/2+55N ...W/2+55N	PLACE: Aylmer Twp., Ontario (Billoki Property)	APP. BEAR.: 027° azi.	APP. DIP.: -40° ~~-33° at 300 ft.~~ (-33° AT 300')	LENGTH: 369 ft.	
REASON:					

...GREY ...grey well ~~banded~~ banded quartzite and buff coloured quartzite, angular fragments of random size and ...in a pink and white (carbonate and quartz) matrix, sometimes vuggy.

...consists mainly of grey quartzite fragments

...t of chalcopyrite

...fragments ...fragments mainly tan to light buff in colour

...arge ...rge blebs chalcopyrite in pink carbonate matrix surrounding quartzite fragments.

...illified ...silicified? quartzite; 10% sulphides, mainly pyrite but about 2% chalcopyrite from 68 - 69.5

...tringer ...tringer in pink carbonate matrix

...pyrite .

...y and buff colour, few minor brecciated spots along fractures, hard and dense with characteristic ...to 4mm) of green chlorite pseudmorphous after another mineral showing crystal outlines, ...als ...als pyrite, bedding approx. parallel to core.

...alcopyrite ...lcopyrite

...ation quartz ...ation, quartz-carbonate vein pyrite

...artzite showing minor dislocations, veined with a dark mineral, few streaks chalcopyrite

...copyrite

...), occasional grains of chalcopyrite

CORE SIZE

~~...uff coloured & hard)~~ ...uff coloured and hard as previously described but with some grey ...ded quartzite. Bedding about parallel to core. ...DDED QUARTZITE) BEDDING ABOUT PARALLEL TO CORE.

HOLE No. B-1 PAGE 1

aylmer-0010-1C

DIAMOND DRILL GEOLOGICAL LOG

CTIVE:		SAMPLED:			
GGED BY:	DATE:	COMPOSITES:			
ON:	SECT.:	PLACE:	APP. BEAR.:	APP.: DIP.:	LENGTH:

M	TO	DISCARD: REASON:
	TD	
	369	Quartzite - mainly grey well bedded with some buff coloured quartzite due to alteration effects.
	369	195 - bedding parallel to core
ccp		226.6 - few spots chalcopyrite in slightly brecciated irregular pink carbonate vein
		236 - 239 - light buff coloured
py		237.5 - 3/4" massive pyrite in white carbonate vein
py		246 - 248 - flesh coloured quartzite, pyrite crystals with 1/4" pyrite vein cutting core at 80° at 247.
		257 - 260 - flesh coloured quartzite
py		305.5 - 308 - buff quartzite, bedding parallel, narrow py seam at 307
		326 - 3/4" carbonate vein
py		336 - 1/8" pyrite seam
		END OF HOLE 369 feet
		END OF HOLE: 369 FEET 112.5m

CORE SIZE

HOLE No.

B-1

DIAMOND DRILL GEOLOGICAL LOG

OBJECTIVE:	To determine cause of I.P. anomaly. TO DETERMINE CAUSE OF I P ANOMALY	SAMPLED:	B-2; 165 m long @ 207°
LOGGED BY:	R.E. Robinson R.E. ROBINSON	DATE: May 26, 1965	COMPOSITES:

BLOCK: /	SECT: L4W/9+50N	PLACE: Aylmer Twp., Ontario (Billoki Property)	APP. BEAR.: 207° azi.	APP.: DIP: -45° -42° at 350 ft. -42° AT 350'	LENGTH: 54 5

FROM	TO	DISCARD: REASON:
0	5	Casing
5) 5 (5)	130 (130)	Slaty quartzite - grey, fine grained, bedded from normal to 85° to core axis
		56 - 1/4" pink carbonate vein with few spots pyrite and chalcopyrite?
		59 - 74 - contains white spots of alteration minerals
		65 - 1/2" brecciated white carbonate vein
		94 - 1/2" brecciated quartzite, pyrite
		99 - 1/8" carbonate vein, pyrite and magnetite
		110 - 115 - narrow hematite stringers in buff coloured rock
130	233	Quartzite - buff and grey interbedded, generally hard and dense fine grained but with some softer dark coloured argillaceous beds. Also some greywacke beds. Bedding normal to 80° to core axis. Occasional thin network of quartz veins. Altered to pink-buff colour around quartz carbonate veins some magnetite in carbonate veins.
		190.5, 214 - 215 - bedding contorted
233	281	Conglomerate - grey matrix with mainly granitic boulders of random size but generally small pebbles. Few narrow quartz-carbonate veins throughout.
		233 - 248 - pebbles scarce
		252 - some chalcopyrite in 1/8" quartz-carbonate vein
		257.5 - few specs chalcopyrite in 1/4" carbonate vein
		259 - 8" granitic boulder
		264 - 264.7 - few spots of chalcopyrite and magnetite in thin quartz-carbonate vein.
		271.5 - 1/2" quartz-carbonate vein at steep angle with few pyrite crystals and blebs of magnetite. with few pyrite crystals and blebs

CORE SIZE AXT

HOLE No. B-2

DIAMOND DRILL GEOLOGICAL [illegible]

E:		SAMPLED:			
GED BY:	DATE:	COMPOSITES:			
OCK:	SECT.:	PLACE:	APP. BEAR.:	APP.: DIP.:	LENGTH:

FROM	TO	DISCARD: REASON:
		279 - 1/8" quartz-carbonate, few spots chalcopyrite.
281	369	Greywacke - grey-green, thinly bedded, fine grained but with some coarser beds, occasional pebble near top of se
(281)	(369)	Occasional 1/8" to 1/4" quartz-carbonate stringer with few pyrite crystals.
		300 - bedding 80° to core axis
		and 320
		321 and 321.5 - chalcopyrite along paper thin quartz-carbonate vein.
369	438	Greywacke - grey to light buff coloured, similar to previous section except for colour, thinly bedded.
(369)	(438)	378 - bedding 80° to core axis
		380 - some alteration and dislocation of beds along fractures
		386 - 1" quartz-carbonate vein
		390, 398 - 1/8" to 1/4" quartz-carbonate veins
		405, 414 - narrow carbonate veins, few specs cp with py
		410 - bedding 80° to core axis
		417 - 1/8" hematite vein
		420 - few irregular white carbonate veins
		429, 434, 436 - narrow (up to 1/4") carbonate veins, few spots pyrite
438	513	Quartzite (QUARTZITE)
(438)	(513)	438 - 463 - light buff, hard, well fractured, numerous quartz-carbonate veins some with hematite and pyrite.
		(463 - 513) - buff + grey quartzite, bedded at 85° at 480.
		463 - 513 - buff and grey quartzite, bedded at 85° at 480.
		504 - 1" brecciated material filling fracture
		(504 - 1" brecciated material filling fracture.)

CORE SIZE

HOLE No.

B-2

B-2

DIAMOND DRILL GEOLOGICAL LOG

JECTIVE: | SAMPLED:

GGED BY: DATE: | COMPOSITES:

CK:	SECT.:	PLACE:	APP. BEAR.:	APP.: DIP.:	LENGTH:

OM	TO	DISCARD: REASON:
		507 - 1" quartz-carbonate vein, pyrite (507 - 1" QUARTZ-CARBONATE VEIN, PYRITE)
513	521	Breccia - mainly breccia, quartzite fragments in pink and white carbonate and quartz matrix.
(513)	(521)	513 - 519 - much pink carbonate surrounding small angular quartzite fragments, few blebs chalcopyrite.
		520 - 3" pink carbonate vein
521	541	Quartzite - buff to grey banded, very hard and dense, some minor brecciation along fractures.
(521)	(541)	522 - bedding 70°
		534 - bedding 60°
		END OF HOLE 541 feet
		(END OF HOLE 541 FEET)

CORE SIZE

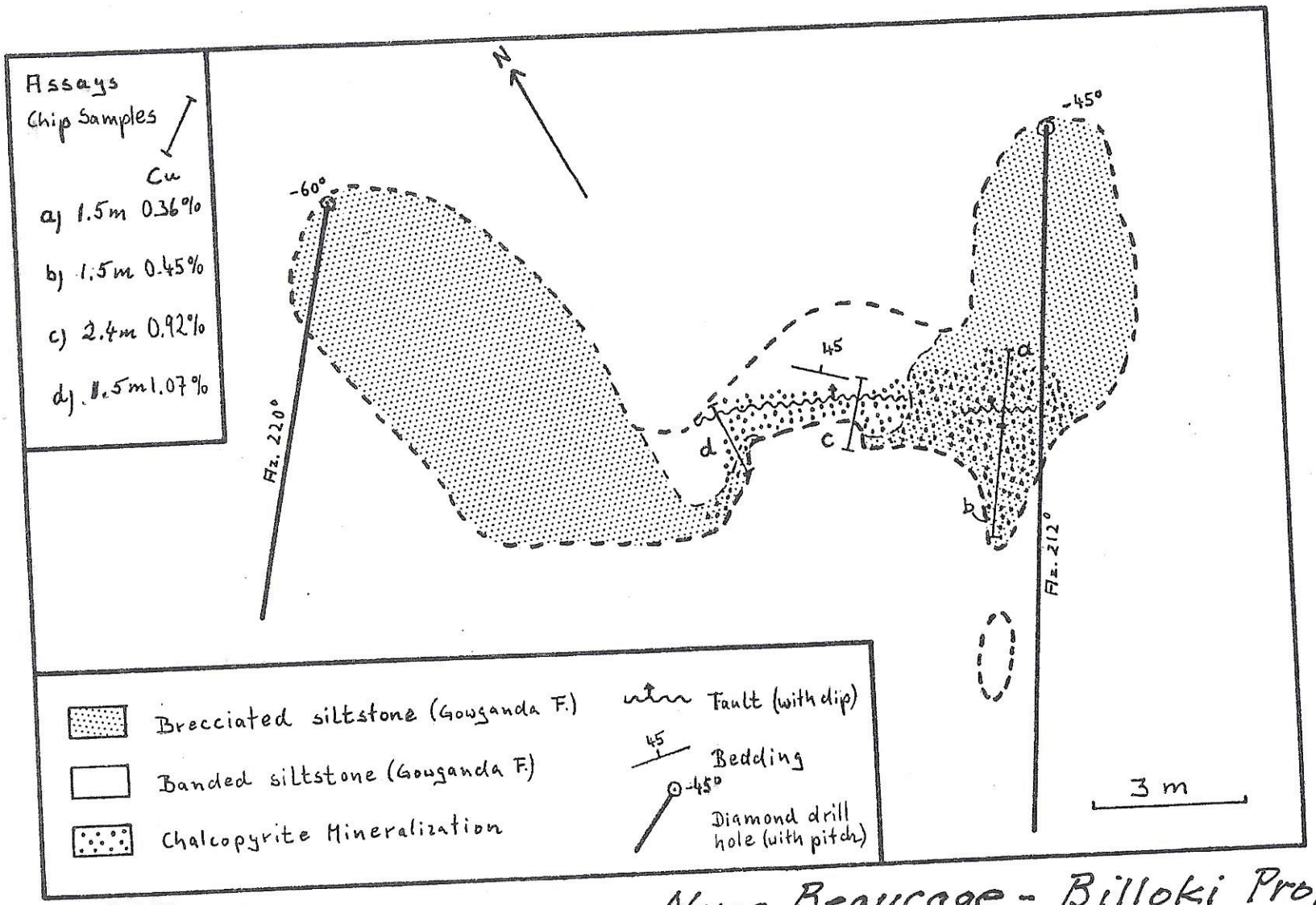
HOLE No.

B2

OFR 5287

Fig 23

Dressler Fig 23



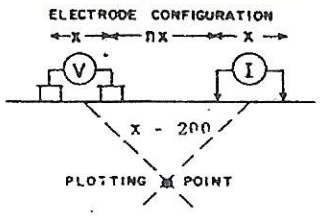
1965

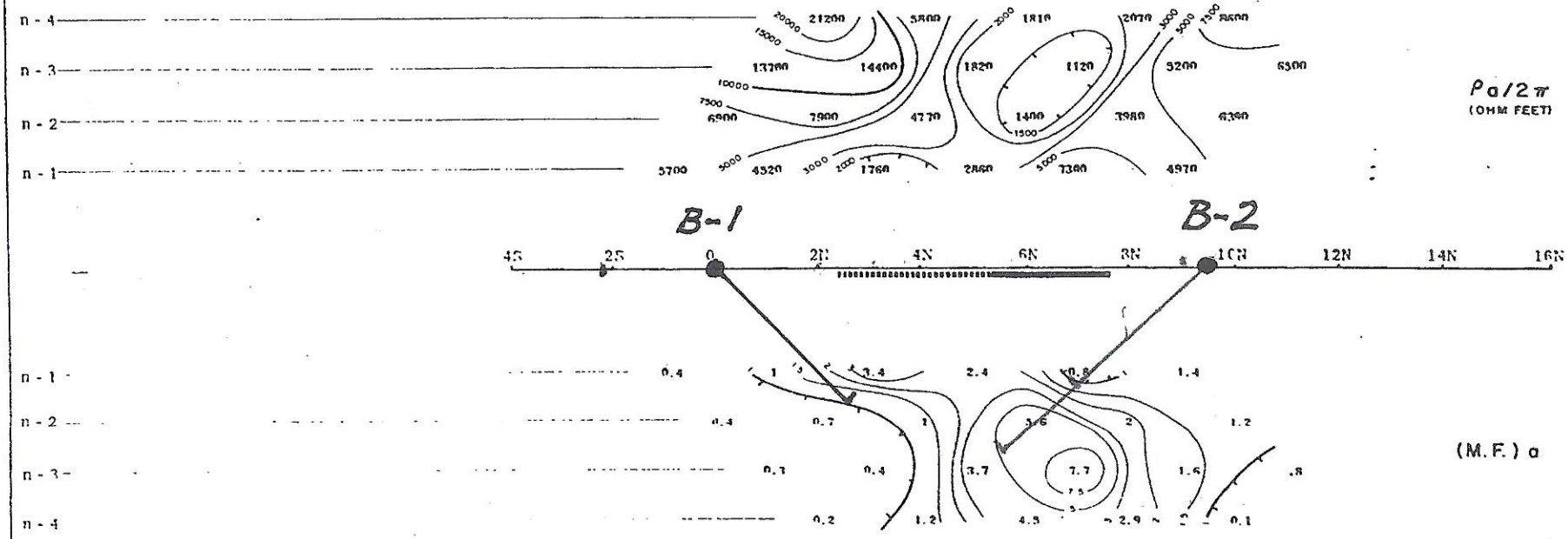
Nova Beaucage - Billoki Property

DWG. NO. I.P.-2229-6

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

NOVA BEAUCAGE MINES LIMITED

BILLOCKI PROPERTY, AYLMER TWP. – SUDBURY M.D. ONTARIO

Scale – One inch = 200 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

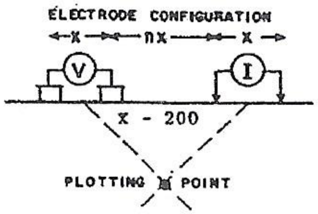
LINE NO. – 4 W

McPHAR GEOPHYSICS LIMITED
FREQUENCIES
DATE SURVEYED MARCH-1966
APPROVED
DATE

63.1799

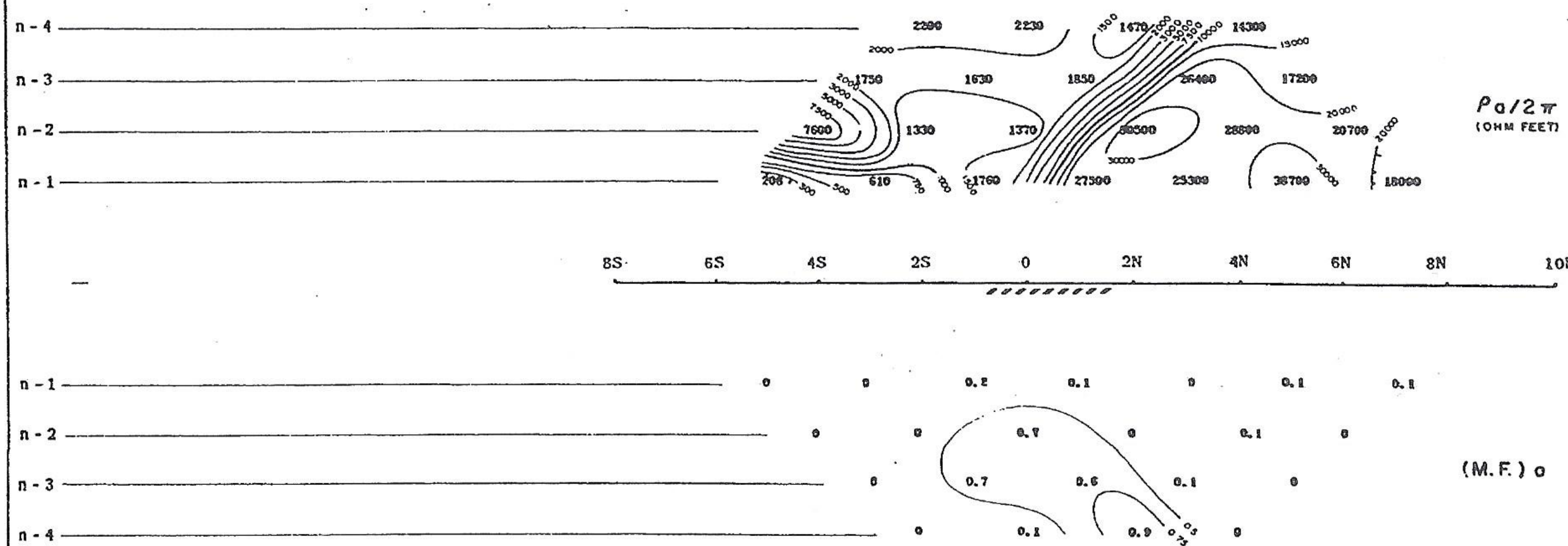
0.6" = 200 ft. DRILL HOLES B-1 & B-2

DWG. NO.- I.P.-2229-1K



McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



LINE NO.- 6 E

NOVA BEAUCAGE MINES LIMITED

BILLOCKI PROPERTY, AYLMER TWP. – SUDBURY M. D. ONTARIO

Scale – One inch = 200 Feet

NOTE. LOGARITHMIC CONTOUR INTERVAL

SURFACE PROJECTION OF ANOMALOUS ZONES

- DEFINITE
- PROBABLE
- POSSIBLE

FREQUENCY .31 - 5.0

DATE SURVEYED MARCH-1968

APPROVED

DATE

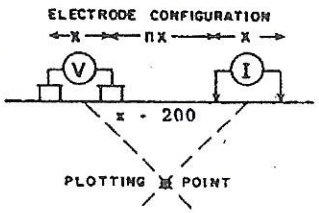
McPHAR GEOPHYSICS LIMITED

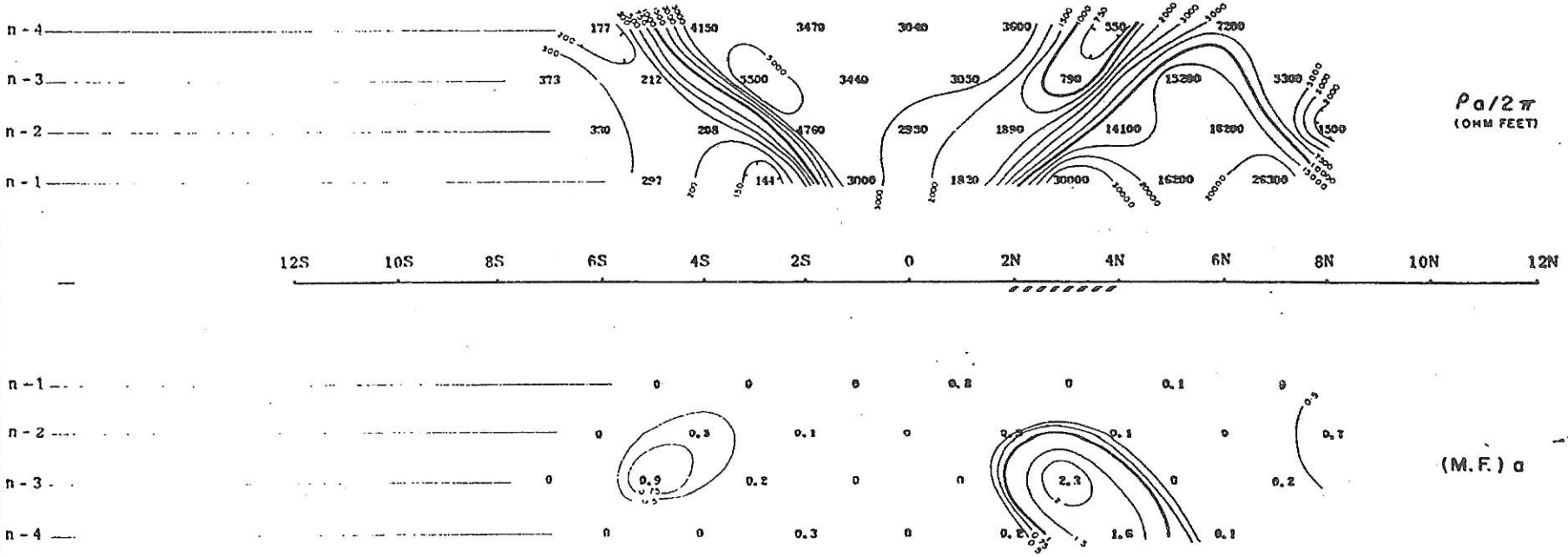
DWG. NO. M-

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

ELECTRODE CONFIGURATION





LINE NO. - 8 E

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

NOVA BEAUCAGE MINES LIMITED

BILLOCK PROPERTY, AYLMER TWP. – SUDBURY M.D. ONTARIO

Scale – One inch = 200 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.31 CPS

DATE SURVEYED MARCH 1969

APPROVED

DATE

McPHAR GEOPHYSICS LIMITED