GM 39861

REPORT ON A DRILLING PROGRAMME, CONDAKA METALS PROPERTY

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Énergie et Ressources naturelles
Québec

REPORT ON A

DRILLING PROGRAMME

CONDAKA METALS CORP.

Fournière Township

Abitibi, Québec

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service de la Géoinformation
DATE 13 MAI 1983
No G.M 39861

MINISTÈRE DE L'ÉNERGIE ET DES RESSOURCES
REÇU
27 AVR. 1983
VAL D'OR

March 10, 1983

Jean Descarreaux, Ph.D.
Consulting Geologist

REPORT ON A DRILLING PROGRAMME, CONDAKA METALS CORP.

INTRODUCTION

This report is a summary of the continuation of the drilling programme undertaken in October 1982, on the property of Condaka in Fournière township, Quebec. Three holes were drilled for a total of 1497 feet in February 1983.

OBJECTIVES

The drilling programme was carried out to try to explain electromagnetic (VLF) anomalies located within a granodiorite intrusive body, to find out if they were caused by shear zones favorable for gold mineralization, and to evaluate the gold potential of the property.

RESULTS

Hole #83-4:

-Line 68W, station 26-00N
-Bearing 180°
-Dip at collar: 45°
-Total length: 506'

This hole was drilled to test a VLF anomaly occuring within the granodiorite plug. It intersected granodiorite on all its length, a mostly massive rock. A few-barren fractured zones and narrow weak faults at 283-380 feet seem to correspond and to explain the VLF anomaly. Three sections were sampled and assayed. They gave only trace in gold and silver.

Hole #83-5:

-Line 108W, station 9-25N
-Bearing: 180°
-Dip at collar: 45°
-Total length: 498'

This hole was planned to intersect the cause of a VLF electromagnetic anomaly over the granodiorite plug near its margin. The contact between greywacke and granodiorite was intersected and found to be the explanation to the anomaly. This contact is thus located more to the south than suspected. Many dykes ranging from few inches up to 13 feet in width were intersected, mostly in the greywacke. They are composed of syenite, aplite and of other felsic rock types. The felsic dykes are porphyritic and contain up to 70% feldspar phenocrysts and up to 1% of very fine grained pyrite and pyrrhotite. Five assays for a total of 17.2 feet of this pyrite-bearing rock gave only trace and 0.01 oz/ton in gold.

Hole #83-6:

-Line 108W, station 8-00S
-Bearing: 180°
-Dip at collar: 45°
-Total length: 493'

The last hole was planned to intersect the cause of a VLF electromagnetic anomaly (a possible shear zone) within the granodiorite plug. It intersected granodiorite on all its length and only a few barren fractured zones and narrow weak faults can explain the VLF electromagnetic anomaly. No si-

gnificant visible sulphide mineralizations were found in this hole. Two gold assays of 5 feet of core each were done on altered granodiorite section. The results are both trace in gold and silver.

CONCLUSIONS AND RECOMMENDATIONS

The five best geophysical targets and one geological target have been drilled in 1982-1983 on the felsic intrusive plug. No significant gold values or important structures (shear zones) have been encountered.

The original objective of the drill programme was to determine if the granodiorite plug was favorable for the discovery of the Belmoral-type of gold mineralization. The results are negative and it is recommended to suspend work on this property. However, the claims could be maintained in good standing for a certain time. The property should be abandoned when the surplus of assessment work is exhausted if no favorable developments occur on the surrounding properties.

March 10, 1983
JD/lc

Jean Descarreaux, Ph.D.
Consulting Geologist

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 1-A

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 1

CLAIM No. 387362-4 *LOT No.* 58 RANG *RANGE* VIII S

SIZE BQ

COORDONNÉES ORIFICE *CO-ORDINATES COLLAR* L-36W, 15-00S

LAT. ..... *DEP.* .....

ÉLEVATION ORIFICE *ELEVATION COLLAR* 1000'

ORIENTATION *BEARING* 180°

ANGLE *DIP* 45° at collar

LONGUEUR TOTALE *TOTAL LENGTH* 80'

COMMENCÉ LE *DATE BEGUN* October 18th, 1982

TERMINÉ LE *DATE TERMINATED* October 20th, 1982

JOURNAL PAR *LOGGED BY* Réjean Gosselin

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY*
0	80	CASING. Overburden Hole was abandoned in overburden. The casing was slipping on the bedrock.					
(in	feet)						

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service de la Géoinformation
DATE 13 MAI 1983
No G.M 39861

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 1

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 1

CLAIM No. 387362-4 *LOT No.* 58 RANG *RANGE* VIII S

SIZE BQ

COORDONNÉES ORIFICE *CO-ORDINATES COLLAR* L-36W, 15-05S

LAT. ..... *DEP.* .....

ÉLÉVATION ORIFICE *ELEVATION COLLAR* 1000'

ORIENTATION *BEARING* 180°

ANGLE *DIP* 49° at collar; 54° at 200'; 52° at 480'

LONGUEUR TOTALE *TOTAL LENGTH* 500'

COMMENCÉ LE *DATE BEGUN* October 20th, 1982

TERMINÉ LE *DATE TERMINATED* October 25th, 1982

JOURNAL PAR *LOGGED BY* Réjean Gosselin

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY* Au oz/t	Ag oz/t
0	80.0	CASING. Overburden.						
80.0	500	GRANODIORITE. Medium-light gray. Massive, equigranular texture. Feldspar. Quartz. Biotite. Weakly pink altered feldspar and epidote traces at few places. Non magnetic, no carbonates. Traces of pyrite.						
		81.3-83.0: Weakly fractured zone. Pink alteration of feldspar, epidotization.						
		155.8-164.10: Fractured zone. Fractures spaced as close as 0.5cm. Fractures at 60°-90° with core axis. Altered feldspars. Epidotization. Carb-epidote (tourmaline) veinlets. Traces of pyrite.	5312	156.7	161.7	5.0	Tr	Tr
		169.2-175.5: Fractured zone. Idem 155.8-164.6	5313	170.5	175.5	5.0	Tr	Tr
		207.1-216.6: Weakly fractured zone. Carbonates and chlorite traces.						
		250.7-251.5: Fairly altered zone. Pink-red feldspar. Chlorite planes. Traces of carbonates.	5314	250.0	252.0	2.0	Tr	Tr
		336.1-338.2: Carb-epidote (tourmaline) veinlets. Low angle with core axis. Pink altered feldspar. Traces of pyrite.	5315	336.0	338.5	2.5	Tr	Tr

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 1

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 2

CLAIM No. ..... *LOT No.* ..... RANG *RANGE* .....

SECTION .....

COORDONNÉES ORIFICE
CO-ORDINATES COLLAR

LAT. ..... *DEP.* .....

ÉLEVATION ORIFICE
ELEVATION COLLAR .....

ORIENTATION
BEARING .....

ANGLE
DIP .....

LONGUEUR TOTALE
TOTAL LENGTH .....

COMMENCÉ LE
DATE BEGUN .....

TERMINÉ LE
DATE TERMINATED .....

JOURNAL PAR
LOGGED BY .....

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY* Au oz/t	Ag oz/t		
		414.3: Quartz-carb-(tourmaline) vein. 1cm thick. Cutting core at 20°. Traces of pyrite.	5316	413.8	414.8	1.0	Tr	Tr		
		444.1-446.5: Fractured zone. Red alteration of feldspars. Epidote-carb. veinlets.								
		453.1-454.0: Fractured zone.								
	500.0	END OF HOLE.								

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 2

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 1

CLAIM No. 387362-4 *LOT No.* 58 RANG *RANGE* VIII S

SIZE BQ

COORDONNÉES ORIFICE *CO-ORDINATES COLLAR* L-32W, 3-50N

LAT. ..... *DEP.* .....

ÉLÉVATION ORIFICE *ELEVATION COLLAR* 1000'

ORIENTATION *BEARING* 180'

ANGLE *DIP* 46°30'at collar;30°30' at 500'

LONGUEUR TOTALE *TOTAL LENGTH* 561'

COMMENCÉ LE *DATE BEGUN* October 26th, 1982

TERMINÉ LE *DATE TERMINATED* October 29th, 1982

JOURNAL PAR *LOGGED BY* Réjean Gosselin

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY* Au oz/t	Ag oz/t		
0	21.1	CASING. Overburden.								
21.1	93.7	META-GREYWACKE (BIOTITE SCHIST). Medium to dark gray, black. Highly foliated rock at 30° to 75° with core axis. Fine to very fine grained,usually less than 0.5mm biotite flakes. Grains reach 2mm locally. Composed of biotite and quartz with minor feldspar, chlorite, muscovite and altered biotite. Numerous thin quartz (carb) injections as lenses or veinlets (around 2cm thick) mostly parallel to the foliation. Altered biotite or muscovite as plating on fractures. No pyrite or traces locally. Those zones of quartz injections are usually flanked by folded foliation. Traces of pyrite in the schist. 32.9-34.9: Pods of pink feldspars up to 3mm in diameter,(2-3%) resulting from recrystallisation.								
93.7	104.1	DIORITE, GABBRO (DYKE) Massive; dark green rock. Porphyritic texture (amphibole). Amphibole+(feldspar-Quartz-Chlorite-Biotite). Sharp contacts at approximately 25° with core axis. Thin quartz-carb. veinlets. Traces of pyrite/pyrrhotite.	5319	95.0	100.0	5.0	Tr	Tr		

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 2

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 2

CLAIM No. ..... *LOT No.* ..... RANG *RANGE* .....

SECTION .....

COORDONNÉES ORIFICE
CO-ORDINATES COLLAR

LAT. ..... *DEP.* .....

ÉLEVATION ORIFICE
ELEVATION COLLAR .....

ORIENTATION
BEARING .....

ANGLE
DIP .....

LONGUEUR TOTALE
TOTAL LENGTH .....

COMMENCÉ LE
DATE BEGUN .....

TERMINÉ LE
DATE TERMINATED .....

JOURNAL PAR
LOGGED BY .....

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY* Au oz/t	Ag oz/t
104.1	561.0	META-GREYWACKE. Idem 22.4-93.7	5320	110.2	111.2	1.0	Tr	Tr
		110.7: Irregular quartz vein. Maximum thickness of 6cm. cutting core at approximately 20°. Traces of pyrite/pyrrhotite.						
		121.8-126.3: Numerous quartz veinlets and lenses. Thickest vein is 6"wide. Folded foliation. Chlorite. Traces of pyrite/pyrrhotite in veins and lenses.	5321	121.5	126.5	5.0	Tr	Tr
		147.8-153.0: More siliceous sediment. Pale gray greenish color. Chloritization along foliation planes. Thin quartz veinlets. Traces of pyrite/pyrrhotite.	5322	148.0	153.0	5.0	Tr	Tr
		159.2-160.0: Irregular quartz pods. Chlorite.	5323	159.0	160.0	1.0	Tr	Tr
		168.5-169.3: Idem 159.2-160.0	5324	168.4	169.4	1.0	Tr	Tr
		187.8-188.6: Chloritization along foliation planes and fractures.						
		194.6-196.6: Irregular quartz pods (epidote). Traces of pyrite/pyrrhotite.	5325	194.6	198.1	2.5	Tr	Tr
		197.6: Slick and slide along chlorite planes at 30° with core axis.						

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 2

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 3

CLAIM No. ..... *LOT No.* ..... RANG *RANGE* .....

SECTION .....

COORDONNÉES ORIFICE
CO-ORDINATES COLLAR

LAT. ..... *DEP.* .....

ÉLEVATION ORIFICE
ELEVATION COLLAR .....

ORIENTATION
BEARING .....

ANGLE
DIP .....

LONGUEUR TOTALE
TOTAL LENGTH .....

COMMENCÉ LE
DATE BEGUN .....

TERMINÉ LE
DATE TERMINATED .....

JOURNAL PAR
LOGGED BY .....

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY* Au oz/t	Ag oz/t
		242.5-243.1: Irregular quartz pods. Traces of pyrite/pyrrhotite.						
		251.4-253.9: Idem 242.5-243.1 Folded foliations.	5326	251.4	253.9	2.5	Tr	Tr
		262.4: 2" chloritized zone. Weak shear?						
		264.4: 2" chloritic weak fault gauge.						
		269.9: 3" fault gauge. Chlorite 40-50° with core axis.	5327	269.6	270.1	0.5	Tr	Tr
		286.2: 3" of chloritized and silicified rock.						
		305.0-313.5: More siliceous, more massive meta-sediment. Poorly foliated.						
		349.9-350.6: Irregular pods of quartz for 50% of the core. Traces of pyrite/pyrrhotite.						
		374.4-375.8: Aplite dyke. Quartz-muscovite (feldspar). Contacts at 72° with core axis. Quartz(carb)-veins and irregular masses at 375.8 contact. Traces of pyrite /pyrrhotite.	5328	374.3	376.0	1.7	Tr	Tr
		410.1-413.5: Lost core, grinded.						

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 2

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 4

CLAIM No. ..... *LOT No.* ..... RANG *RANGE* .....

SECTION .....

COORDONNÉES ORIFICE
CO-ORDINATES COLLAR

LAT. ..... *DEP.* .....

ÉLEVATION ORIFICE
ELEVATION COLLAR .....

ORIENTATION
BEARING .....

ANGLE
DIP .....

LONGUEUR TOTALE
TOTAL LENGTH .....

COMMENCÉ LE
DATE BEGUN .....

TERMINÉ LE
DATE TERMINATED .....

JOURNAL PAR
LOGGED BY .....

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY* Au oz/t	Ag oz/t		
		445.4-455.4: Massive. Coarse grained (up to 6mm) greywacke. Quartz-biotite-feldspars. Beds are at 50° with core axis. Traces of pyrite/pyrrhotite. Interbeds of fine grained rock ranging from 3" to 10" within the coarse grained material.	5329	445.4	450.4	5.0	Tr	Tr		
		451.8-452.9: Granitic dyke. Quartz-feldspar-muscovite(carb). Contacts at 80° with core axis. 1" quartz vein at 451.8.	5330	451.8	452.9	1.1	Tr	Tr		
			5331	452.9	455.4	2.5	Tr	Tr		
		465.2: Thin chlorite fault gauge, weak shear. Carbonates.								
		466.9: Idem 465.2								
		470.0-470.2: Idem 445.4-455.4								
		471.4: Idem 465.2								
		472.1: Idem 465.2								
		472.4-472.9: Idem 445.4-455.4								
		473.3-473.7: Idem 445.4-455.4								
		476.4-478.5: Idem 445.4-455.4. Contact at 478.5 at 60° with core axis.								
		478.9: Irregular masses of quartz-carb. Traces of pyrrhotine/pyrite.	5332	478.5	480.0	1.5	Tr	Tr		

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 2

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 5

CLAIM No. ..... *LOT No.* ..... RANG *RANGE* .....

SECTION .....

COORDONNÉES ORIFICE
CO-ORDINATES COLLAR

LAT. ..... *DEP.* .....

ÉLEVATION ORIFICE
ELEVATION COLLAR .....

ORIENTATION
BEARING .....

ANGLE
DIP .....

LONGUEUR TOTALE
TOTAL LENGTH .....

COMMENCÉ LE
DATE BEGUN .....

TERMINÉ LE
DATE TERMINATED .....

JOURNAL PAR
LOGGED BY .....

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY* Au oz/t	Ag oz/t		
		479.2-480.0: Quartz-tourmaline (carb) vein. Upper contact at 45°, lower contact at 75° with core axis. Traces of pyrrhotine/pyrite.								
		483.0-483.9: Quartz(fds-carb-tourmaline)vein. Upper contact at 45° with core axis, lower contact at 90°. Pyrrhotite traces at 483.0								
		483.9-486.7: Granitic dyke. Quartz-feldspar (minor muscovite-biotite). Massive. Upper contact at 30° with core axis. Traces of pyrrhotite. 4" quartz-tourmaline vein in it at 485.7	5333	483.8	486.8	3.0	Tr	0.002		
		488.5-504.1: Idem 483.9-486.7 Lower contact at 30° with core axis.	5334	488.5	494.3	5.8	Tr	Tr		
			5335	494.3	499.3	5.0	Tr	Tr		
		551.0-561.0: Poor recovery, approximately 65%.	5336	499.3	504.3	5.0	Tr	0.002		
	561.0	END OF HOLE.								

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 3

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 1

CLAIM No. 387355-2 *LOT No.* 55 RANG *RANGE* VIII N

SIZE BQ

COORDONNÉES ORIFICE *CO-ORDINATES COLLAR* L60W, 18-00N

LAT. ..... *DEP.* .....

ÉLÉVATION ORIFICE *ELEVATION COLLAR* 1000'

ORIENTATION *BEARING* 180°

ANGLE *DIP* 45° at collar; 45°30' at 250'

LONGUEUR TOTALE *TOTAL LENGTH* 250'

COMMENCÉ LE *DATE BEGUN* October 29th, 1982

TERMINÉ LE *DATE TERMINATED* October 30th, 1982

JOURNAL PAR *LOGGED BY* Réjean Gosselin

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY* Au oz/t	Ag oz/t
0	82.0	CASING. Overburden						
82.0	250.0	GRANODIORITE. Medium-light gray. Massive. Equigranular texture. Feldspar, quartz, biotite. Weakly fractured zones and pink alteration of feldspar at a few places. Traces of epidote.						
		204.2-206.3: Zone of thin epidote veinlets. Pink alteration of feldspar.	5317	204.0	209.0	5.0	Tr	Tr
		208.0-209.0: Fractured zone. Altered feldspars. Epidote veinlets.						
		212.7-213.3: Fractured zone. Broken crystals. Weak feldspar alteration.	5318	212.5	217.5	5.0	Tr	Tr
		216.5-217.2: Altered feldspars. Thin epidote veinlets.						
		224.0-224.9: Fractured zone. Altered feldspars. Thin epidote veinlets.						
	250.0	END OF HOLE						

C.P. / P.O. 550 148, AVENUE PERRAULT VAL D'OR, QUÉBEC J9P 4P5 TÉL. (819) 824-4337

CTA

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BOURLAMAQUE ASSAY LABORATORIES LTD.

J. Descarreaux, P. Eng.,

CERTIFICAT D'ANALYSES
CERTIFICATE OF ANALYSIS

No 37503

ÉCHANTILLONS / SAMPLES: core

RECU DE / RECEIVED FROM: R. Gosselin

VAL D'OR, QUÉ., November 4 19 82

ANALYSES / ASSAYS: 25 Au. 25 Ag.

Echantillon	Au oz/ton	Ag oz/ton
5312	Trace	Trace
5313	Trace	Trace
5314	Trace	Trace
5315	Trace	Trace
5316	Trace	Trace
5317	Trace	Trace
5318	Trace	Trace
5319	Trace	Trace
5320	Trace	Trace
5321	Trace	Trace
5322	Trace	Trace
5323	Trace	Trace
5324	Trace	Trace
5325	Trace	Trace
5326	Trace	Trace
5327	Trace	Trace
5328	Trace	Trace
5329	Trace	Trace
5330	Trace	Trace
5331	Trace	Trace
5332	Trace	Trace
5333	Trace	0.002
5334	Trace	Trace
5335	Trace	Trace
5336	Trace	0.002

Gauvreau

ANALYSTE / ASSAYER

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 83-4

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 1 of 2

CLAIM No. 387355-1 *LOT No.* 54 RANG *RANGE* VIII N

SECTION

COORDONNÉES ORIFICE *CO-ORDINATES COLLAR* L-68W 26-00N

SIZE BQ

LAT. *DEP.*

ÉLEVATION ORIFICE *ELEVATION COLLAR*

ORIENTATION *BEARING* 180°

ANGLE *DIP* 45° at collar; 46° 30' at 250'; 44° at 506'

LONGUEUR TOTALE *TOTAL LENGTH* 506'

COMMENCÉ LE *DATE BEGUN* February 18, 1983

TERMINÉ LE *DATE TERMINATED* February 23, 1983

JOURNAL PAR *LOGGED BY* Dominique Doucet, Jean Descarreaux

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — ASSAY Au oz/t	Ag oz/t
0	70	OVERBURDEN, CASING						
70	506	GRANODIORITE: Quartz-Feldspar-Biotite, Chlorite. Trace of pyrite, epidote. Light grey, massive, coarse grained, equigranular texture, not magnetic, no carbonate, weakly fractured.						
		102-105: Aplite dyke, pink, medium to fine grained, (saccharoidal texture). Quartz(potassic feldspar) Trace of pyrite, pyrrhotite, chlorite, epidote. Sharp contact at 35° with core axis.	2921	102	105	3'	Tr	Tr
		135.0: Quartz, pink feldspar, epidote veinlet, trace sulphide, at 30° with core axis, ½" wide.						
		183.3: Quartz-feldspar veinlet, 2", trace pyrite, at 45° with core axis.						
		208.3: Quartz-pink feldspar veinlet, 4" wide, trace of pyrite pyrrhotite, at 53° with core axis.	2919	208.5	210.5	2'	Tr	Tr
			2920	207.5	208.5	1'	Tr	Tr
		208.3-210.4: Pink alteration of feldspar, trace to 1% pyrite.						
		214-214.7: Aplite dyke.						
		250-251.3: Small aplite dyke zone.						
		283-285: Fractured granodiorite at 1" to 4" intervals, at 30° (and 70°) with core axis.						

TERRAIN
PROPERTY FOURNIERE

CANTON
TOWNSHIP FOURNIERE

TROU No
HOLE No. 83-4

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No 2 of 2
SHEET No.

CLAIM No. *LOT No.* RANG *RANGE*

SECTION

COORDONNÉES ORIFICE
CO-ORDINATES COLLAR

LAT. *DEP.*

ÉLÉVATION ORIFICE
ELEVATION COLLAR

ORIENTATION
BEARING

ANGLE
DIP

LONGUEUR TOTALE
TOTAL LENGTH

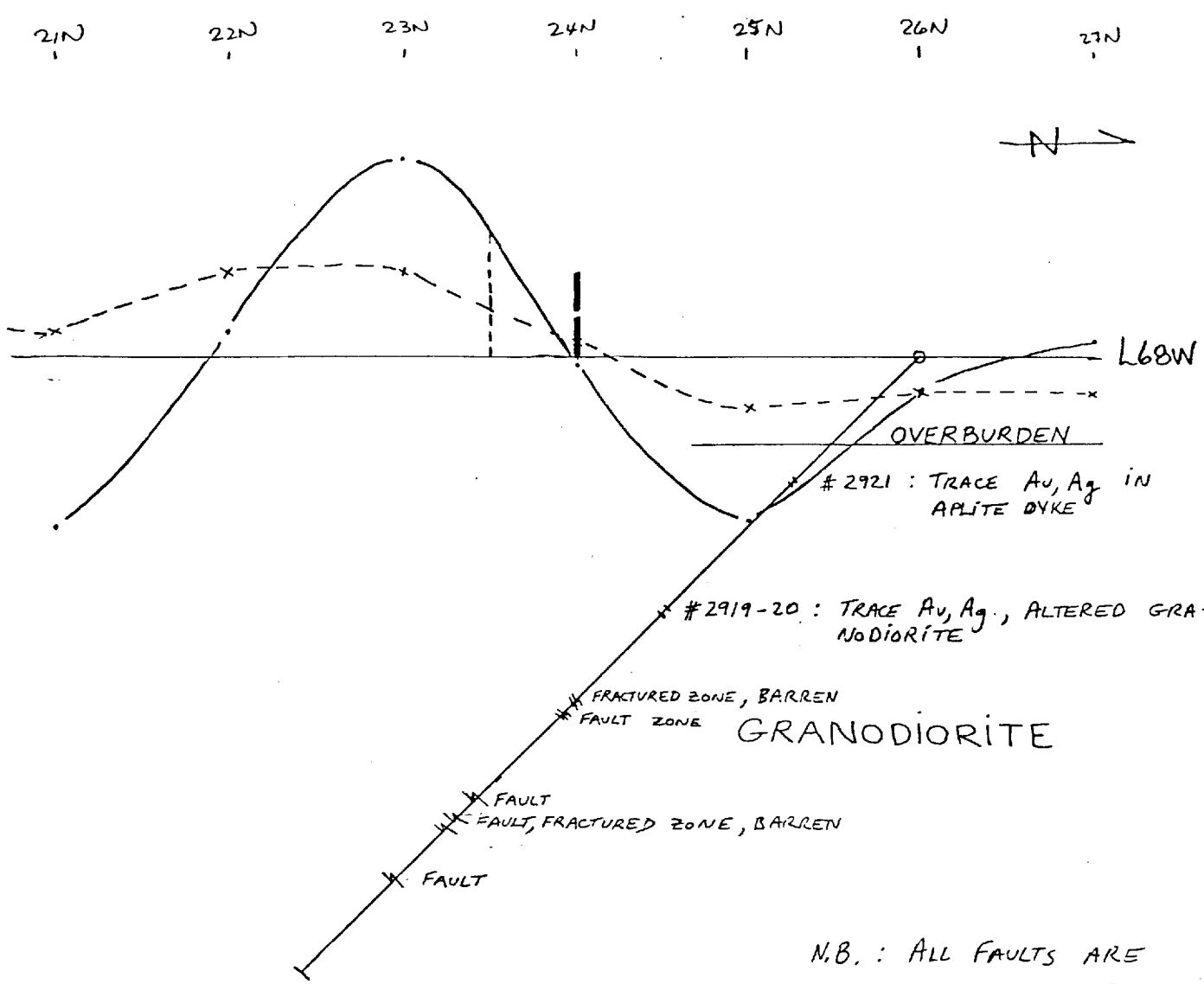
COMMENCÉ LE
DATE BEGUN

TERMINÉ LE
DATE TERMINATED

JOURNAL PAR
LOGGED BY

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION
		290.4: Quartz-feldspar-epidote veinlet, 3" wide, at 30° with core axis.
		291.5-293.6: Fault, 4" spaced fractures zone at 30° with core axis. Slicken side.
		303.7-304.4: Aplite dike at 40° with core axis, trace of pyrite
		348.7: Aplite dyke (quartz, pink feldspar, epidote). 1¼" wide, trace pyrite pyrrhotite, tourmaline?, at 10° with core axis.
		364.0: Fault, slicken side in fracture plane at 27° with core axis, trace pyrite.
		380: Fault, same as 364.0 Chlorite in fracture plane.
		381.8-384.5: Fractures zone, 4" spaced fractures at 45° and 70°; 1/8" epidote-quartz-feldspar veinlet with trace of pyrite.
		431.3: Fault, slicken side in fracture at 20° with core axis, trace pyrrhotite, chlorite epidote.
	506	END OF HOLE.
		N.B. Faults as mentionned above are narrow weak faults with slight displacement.

ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY*			



N.B. : ALL FAULTS ARE NARROW WEAK FAULTS WITH SLIGHT DISPLACEMENT

SCALE
1" = 100'

L - 68W
Station 26+00 N
180°
-45°
500'

VLF

IN Phase

OUT Phase

Conductor axis

Magnetic axis

Profiles 1" = 20%

DRILL HOLE SECTION

HOLE 83-4

TERRAIN
PROPERTY FOURNIERE

CANTON
TOWNSHIP FOURNIERE

TROU No
HOLE No. 83-5

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No
SHEET No. 1 of 4

CLAIM No. 387358-1 *LOT No.* 49 RANG *RANGE*

SECTION

COORDONNÉES ORIFICE
CO-ORDINATES COLLAR L-108W 9-25N

SIZE: BQ

LAT. *DEP.*

ÉLEVATION ORIFICE
ELEVATION COLLAR

ORIENTATION
BEARING 180°

ANGLE
DIP 45° at collar; 45° 30' at 250'; 40° at 498'

LONGUEUR TOTALE
TOTAL LENGTH 498'

COMMENCÉ LE
DATE BEGUN February 24, 1983

TERMINÉ LE
DATE TERMINATED February 26, 1983

JOURNAL PAR
LOGGED BY Dominique Doucet
Jean Descarreaux

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY*
0	28	CASING. OVERBURDEN					
28	143.0	META-GREYWACKE (BIOTITE SCHIST): Medium grey to black, fine grained, soft; biotite-feldspar-quartz-chlorite-white micas; foliated at 30° to 45° with core axis, fractured parallel to subparallel with foliation, trace pyrite commonly in fracture planes. 28-62: Scattered irregular blebs and quartz veinlets with trace sulphides. 49.5: .7' quartz-sericite vein, no sulphides, at 40° with core axis. 52-56: 15% core recovery. 68.8-70.6: Porphyritic felsic dyke: 1/16"-1/8" white feldspars phenocrysts; dark grey, hard, 1% white micas, contact at 30°-40° with core axis, trace to 1% sulphides disseminated and <1mm. 84.6-97.8: Porphyritic felsic dyke, same as 68.8, pyrite spots on fracture planes up to ¼", disseminated pyrite-pyrrhotite up to 1% very fine grained sulphides; more silicous to center; minor white micas and biotite, fractured at 40°- 45° with core axis parallel to quartz veinlets(<1mm). Contact at 40° with core axis.					

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 83-5

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 2 of 4

CLAIM No. ..... *LOT No.* ..... RANG *RANGE* .....

SECTION .....

COORDONNÉES ORIFICE
CO-ORDINATES COLLAR

LAT. ..... *DEP.* .....

ÉLEVATION ORIFICE
ELEVATION COLLAR .....

ORIENTATION
BEARING .....

ANGLE
DIP .....

LONGUEUR TOTALE
TOTAL LENGTH .....

COMMENCÉ LE
DATE BEGUN .....

TERMINÉ LE
DATE TERMINATED .....

JOURNAL PAR
LOGGED BY .....

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY* Au oz/t
		84.6-88.8:Medium grey, 70% phenocrysts, pyrite spots on fracture planes very fine grained sulphides:1%	2914	84.6	88.8	4.2	Tr
		88.8-91.4:More silicous, lighter, pyrrhotite-pyrite in trace, in 1/8" spots and finely disseminated (1%?), more pyrite in fracture planes.	2915	88.8	91.4	2.6	Tr
		88.8: 1¼" quartz vein at 45° with core axis, trace pyrite in fracture.					
		90.5-91.4:Quartz vein, same as 88.8					
		91.4-97.8:Fine grained sulphides, disseminated pyrite pyrrhotite. same as 84.6-88.8	2916 2917	91.4 94.0	94.0 97.8	2.6 3.8	Tr 0.01
		106.8-107.5:Broken core.					
		109.2-113.2:Porphyritic felsic dyke same as 84.6-88.8 Contacts at 30° and 40°, up to 2-3% fine grained pyrite pyrrhotite (<1mm).	2918	109.2	113.2	4.0	Tr
		113.7: Fault, slickenside in fracture plane at 15° with core axis; chlorite in fracture plane.					
		116.3-119.5:Fractured core at .1' to .4' intervals at 5° and 40° with core axis.					

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 83-5

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 3of 4

CLAIM No. ..... *LOT No.* ..... RANG *RANGE* .....

SECTION .....

COORDONNÉES ORIFICE
CO-ORDINATES COLLAR

LAT. ..... *DEP.* .....

ÉLEVATION ORIFICE
ELEVATION COLLAR .....

ORIENTATION
BEARING .....

ANGLE
DIP .....

LONGUEUR TOTALE
TOTAL LENGTH .....

COMMENCÉ LE
DATE BEGUN .....

TERMINÉ LE
DATE TERMINATED .....

JOURNAL PAR
LOGGED BY .....

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY*
		120.5-127.5: Granodiorite dyke, medium grey, quartz feldspars biotite, trace sulphides; medium grained, equigranular texture, lower contact at 45° with core axis.					
		134.4: 2" wide quartz-sericite veinlet, at 35° with core axis, no sulphides.					
143.0	218.8	DIKE ZONE: Dike of granodiorite and syenite, crosscutting greywacke; dike ranging from .5' to 2', with trace sulphides. Syenite crosscut granodiorite.					
		143.0-145: Syenite dyke, pinky, coarse grained, with feldspars phenocrysts up to ½", quartz, (potassic feldspar), chlorite, trace sulphide.					
		164-218.8: Syenite. As 143.0 but becoming more mafic with depth, grading to granodiorite; cut by many aplite dikes ranging from 5" to 4.2' in width.					
		176-180.2: Aplite dyke, (fine grained) pinky, trace sulphide, minor magnetite, trace chlorite.					
		188.8-190.5: Greywacke same as 28-143					
218.8	235.7	CONTACT ZONE					

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 83-5

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 4 of 4

CLAIM No. ..... *LOT No.* ..... RANG *RANGE* .....

SECTION .....

COORDONNÉES ORIFICE
CO-ORDINATES COLLAR

LAT. ..... *DEP.* .....

ÉLEVATION ORIFICE
ELEVATION COLLAR .....

ORIENTATION
BEARING .....

ANGLE
DIP .....

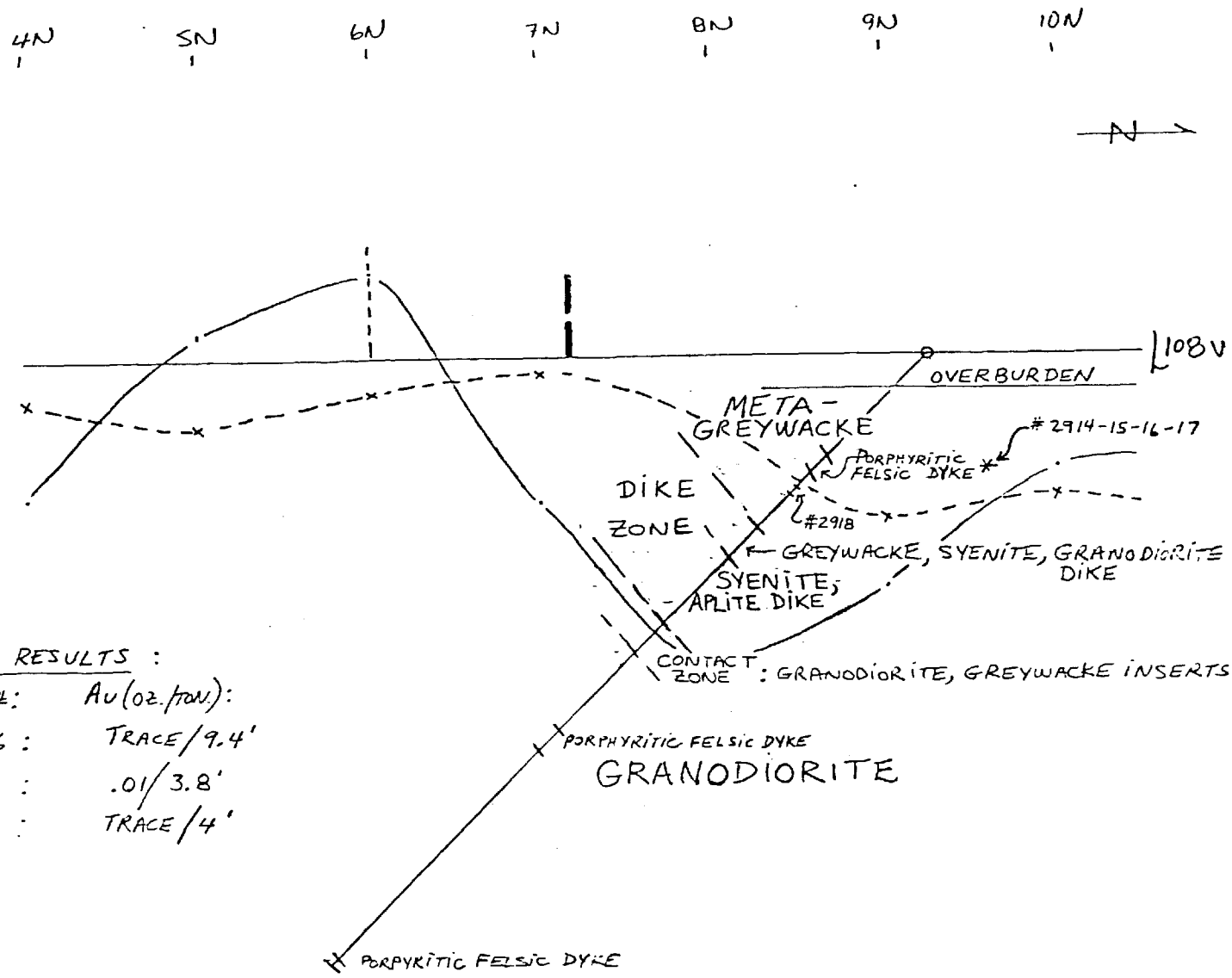
LONGUEUR TOTALE
TOTAL LENGTH .....

COMMENCÉ LE
DATE BEGUN .....

TERMINÉ LE
DATE TERMINATED .....

JOURNAL PAR
LOGGED BY .....

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY*			
		218.8-224.7:Granodiorite mixed with bands of greywacke ranging from 4" to 1' in width.								
		224.7-235.7:Greywacke; few quartz veinlets(<2"),trace sulphides.								
235.7	498	GRANODIORITE: same as 120.5-127.5, massive, randomly weakly magnetic.								
		255.2-262.8:Greywacke same as 28-143.								
		281.4: Quartz veinlet, 2" wide, trace sulphide								
		304.6-320.8:Porphyritic felsic dyke same as 84.6-97.8, trace pyrite, pyrrhotite.								
		493.3-498:Porphyritic felsic dyke same as 84.6-97.8 with no sulphides to trace, weakly magnetic.								
	498	END OF HOLE.								
		N.B. Faults as mentionned above are narrow weak faults with slight displacement.								



* ASSAYS RESULTS :

SAMPLE #:	Au (oz./ton):
# 2914-15-16 :	TRACE/9.4'
# 2917 :	.01/3.8'
# 2918 :	TRACE/4'

SCALE
1" = 100'

VLF

IN Phase

OUT Phase

Conductor axis

Magnetic axis

Profiles 1" = 20%

L - 108W
Station 9+25N
180°
- 45°
500'

DRILL HOLE
SECTION

HOLE 83-5

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 83-6

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 1 of 2

CLAIM No. 387366-2 *LOT No.* 49 RANG *RANGE*

COORDONNÉES ORIFICE *CO-ORDINATES COLLAR* L-108W 8-00S

SECTION

SIZE BQ

LAT. *DEP.*

ÉLEVATION ORIFICE *ELEVATION COLLAR*

ORIENTATION *BEARING* 180°

ANGLE *DIP* 45° at collar; 41° at 493'

LONGUEUR TOTALE *TOTAL LENGTH* 493'

COMMENCÉ LE *DATE BEGUN* March 2nd, 1983

TERMINÉ LE *DATE TERMINATED* March 4th, 1983

JOURNAL PAR *LOGGED BY* Dominique Doucet, Jean Descarreaux

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY* Au oz/t	Ag oz/t		
0	82	CASING. OVERBURDEN								
82	493	GRANODIORITE, massive, grey, randomly pink, medium to coarse grained, erraticly weakly magnetic, hypidiomorphs feldspars; quartz-feldspars, biotite, chlorite (epidote) trace sulphide.								
		146.0-160.0: Pink feldspars increasing to gradational contact with altered granodiorite: syenite.								
		160.0-177.1: Pink altered feldspars, granodiorite to syenite composition (potassic feldspar)-quartz-chlorite-(epidote), mostly broken core by longitudinal fractures, gradational contact.	2922	167.4	172.4	5.0	Tr	Tr		
		171.1: Barren quartz veinlet, 1" wide.								
		179.0-195.9: Fractured core at 20°, 45°, 90° with core axis, fractures spaced at 2" to 6", pink altered feldspars close to fractures.								
		205.5-210.5: Same as 179.0-195.9								
		244.5-246.9: Fault, slickenside in fracture subparallel with core axis, chlorite in fracture plane.								

TERRAIN *PROPERTY* FOURNIERE

CANTON *TOWNSHIP* FOURNIERE

TROU No *HOLE No.* 83-6

CONDAKA METALS CORP.

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No *SHEET No.* 2 of 2

CLAIM No. ..... *LOT No.* ..... RANG *RANGE* .....

SECTION .....

COORDONNÉES ORIFICE
CO-ORDINATES COLLAR

LAT. ..... *DEP.* .....

ÉLÉVATION ORIFICE
ELEVATION COLLAR .....

ORIENTATION
BEARING .....

ANGLE
DIP .....

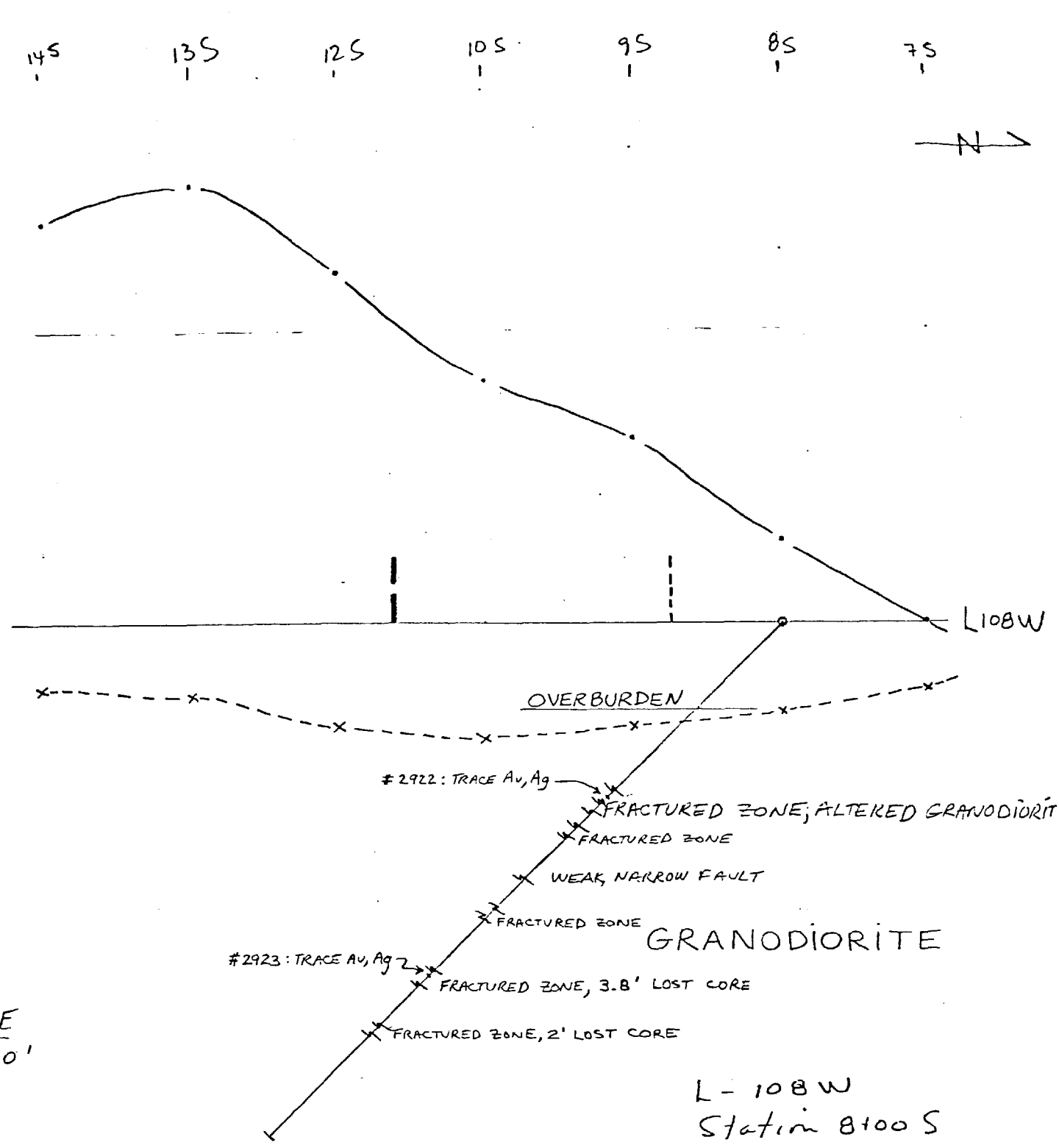
LONGUEUR TOTALE
TOTAL LENGTH .....

COMMENCÉ LE
DATE BEGUN .....

TERMINÉ LE
DATE TERMINATED .....

JOURNAL PAR
LOGGED BY .....

CAROTTE *CORE FOOTAGE* DE *FROM*	CAROTTE *CORE FOOTAGE* À *TO*	DESCRIPTION	ÉCHANTILLON — *SAMPLE* No.	DE *FROM*	À *TO*	LONGR. *LENGTH*	ANALYSE — *ASSAY* Au oz/t	Ag oz/t		
		274.8-286.5: Fractured core at 2" to 8" intervals, fractured at 45°, 90° with core axis.								
		334.9-347.9: Fractured core at 1" to 8" intervals, 70% core recovery, weakly altered as 160-177.1, no sulphides.	2923	335.7	340.7	5.0	Tr	Tr		
		387.6-393.8: Fractured core at 3" to 10" intervals, 70% core recovery.								
		451.0-452.7: Same as 160.0-177.1 with fractures at 45° to core axis.								
	493	END OF HOLE.								
		N.B. Faults as mentionned above are narrow weak faults with slight displacement.								



SCALE
1" = 100'

VLF

IN Phase

OUT Phase

Conductor axis

Magnetic axis

Profiles 1" = 20%

L - 108W
Station 8100S
180°
-45°
500'

DRILL HOLE SECTION

HOLE 83-6

C.P. / P.O. 550 148, AVENUE PERRAULT VAL D'OR, QUÉBEC J9P 4P5 TÉL. (819) 824-4337

CTA

LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE
BOURLAMAQUE ASSAY LABORATORIES LTD.

J. Descarreaux, P. Eng.,

CERTIFICAT D'ANALYSES
CERTIFICATE OF ANALYSIS

No 38098

ÉCHANTILLONS / SAMPLES: core

VAL D'OR, QUÉ., March 3 1983

RECU DE / RECEIVED FROM:

ANALYSES / ASSAYS: 3 Au

Echantillon	Au oz/ton
2914	Trace
2915	Trace
2916	Trace

ANALYSTE / ASSAYER

C.P. / P.O. 550 148, AVENUE PERRAULT VAL D'OR, QUÉBEC J9P 4P5 TÉL. (819) 824-4337

CTA

LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE
BOURLAMAQUE ASSAY LABORATORIES LTD.

J. Descarreaux, P. Eng.

CERTIFICAT D'ANALYSES
CERTIFICATE OF ANALYSIS

No 38104

ÉCHANTILLONS / SAMPLES: core

VAL D'OR, QUÉ., March 4 19 83

REÇU DE / RECEIVED FROM:

ANALYSES / ASSAYS: 2 Au

Echantillon	Au oz/ton
2917	0.01
2918	Trace

ANALYSTE / ASSAYER

C.P. / P.O. 550 148, AVENUE PERRAULT VAL D'OR, QUÉBEC J9P 4P5 TÉL. (819) 824-4337

CTA

LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

J. Descarreaux, P. Eng.,

CERTIFICAT D'ANALYSES
CERTIFICATE OF ANALYSIS

No 38119

ÉCHANTILLONS / SAMPLES: core

VAL D'OR, QUÉ., March 8 19 83

RECU DE / RECEIVED FROM:

ANALYSES / ASSAYS: 5 Au. 5 Ag.

Echantillon	Au oz/ton	Ag oz/ton
2919	Trace	Trace
2920	Trace	Trace
2921	Trace	Trace
2922	Trace	Trace
2923	Trace	Trace

ANALYSTE / ASSAYER

REPORT ON

A DRILLING PROGRAMME

CONDAKA METALS CORP.

FOURNIERE TOWNSHIP
ABITIBI, QUEBEC

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service de la Géoinformation
DATE 13 MAI 1983
No G.M 39861

November 10, 1982

Réjean Gosselin, M.Sc.
Jean Descarreaux, Ph.D.
Consulting Geologists

REPORT ON A DRILLING PROGRAMME, FOURNIERE TOWNSHIP, CONDAKA

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Annexes - DDH logs

- Geological sections

- Assays

In pocket - Location map

REPORT ON A DRILLING PROGRAMME, FOURNIERE TOWNSHIP, CONDAKA

INTRODUCTION

A drilling programme was started in late October on the Fourniere property of Condaka Metals Corp. Three (3) holes were drilled for a total of 1391 feet and then the work was stopped to assess the data. A total of six(6) holes have been originally recommended.

OBJECTIVES

The drilling programme was performed to try to explain electromagnetic (VLF) anomalies located within a granodiorite intrusive body. (holes #1 and #2). Hole #3 was done to verify the possible extension to the west of an intersection of 6 inches carrying 0.2 oz/t Au previously intersected in the sedimentary rocks a short distance outside the property under study.

RESULTS

Hole #1

-Line 36W, station 15-05S
-Bearing: 180°
-Angle at collar: 49°
-Total depth: 500'

A first attempt was done to drill the VLF anomaly but the hole (#1-A) had to be abandoned at 80' because the casing was slipping on the bedrock. One could suspect that a rugged bedrock topography at this location could be responsible for the casing problems and the electromagnetic anomaly.

The second try at a steeper angle was successfull and the hole cut through 80' of overburden before reaching the granodiorite. This hole was stopped at 500 feet.

The granodiorite is massive and locally weakly altered. A few zones of fractured and altered rock were intersected. Scattered veinlets of quartz also occur. Traces of pyrite are found. The best five (5) sections for a total of 15.5' of core were splitted and assayed for gold and silver but only traces were detected.

Two wide fractured zones (9' and 4') are located between 155' and 175'. The fractures are almost perpendicular to the core axis and they are closely spaced. The projection of these zones corresponds to the axis of the VLF anomaly. This type of electromagnetic survey is very sensitive and will pick up such fractures when filled by water.

Topographic features at the bedrock-overburden interface and/or the zones of fracturing are the only possible explanations to the electromagnetic VLF anomaly.

Hole #2

-Line 32W, station 3-50N
-Bearing: 180^{o}
-Angle at collar: $46^{o}30'$
-Total depth: 561 feet

This hole was drilled to test a VLF anomaly occuring within the granodiorite plug, near its margin. Hole #2 cut through greywacke except for a gabbroic dyke and a few granitic to aplitic dykes. The meta-sedimentary rock is fine grained and well foliated. Numerous thin quartz-carbonate veinlets are scattered in the greywacke. Veining is also noticed near the granitic dykes around 490'. Traces of pyrite and pyrrhotite are found.

The best eighteen(18) sections of core for a total of 54.1' were splitted and assayed. All of them carry only traces of gold and silver, except for two (2) sections(8') returning 0.002 oz/t Ag.

From 262' to 270', fault gauges and chloritic shears occur. These structural features cut the core axis at approximately 40^{o} to 50^{o}.

The zone of chloritic shears and fault gauges seem to correspond to the VLF anomaly axis. This might be the explanation for the electromagnetic anomaly.

Hole #3

-Line 60W, station 18-00N
-Bearing: 180^{o}
-Angle at collar: 45^{o}
-Total depth: 250'

Hole #3 was planned to intersect a thin gold zone within the greywacke found at less than 800' to the east, outside but very close to the property under study.

The hole intersected granodiorite on all its length and was stopped at 250'.

Two (2) 5' sections of altered rock cut by quartz veinlets were splitted and assayed. They ran traces of gold and silver.

This hole indicates that the granodiorite-sediment contact is further north than expected and the known gold zone does not extent due west.

REPORT ON A DRILLING PROGRAMME, FOURNIERE TOWNSHIP, CONDAKA

PREVIOUS DRILLING

Several holes were drilled within the property by former owners. This applies especially for the northwest corner of the Condaka claim group where at least seventeen (17) closely spaced holes are located.

Our researches were to find the original data concerning those holes which have been drilled by New Malartic Gold Mines Ltd. in 1944 or before. The information is not available at the Quebec Department of Energy and Resources and does not seem to be filed anywhere. Long Lac Mineral Exploration, the largest land owner in the Malartic Gold Camp, was contacted on this matter. They do not have the logs or any other informations for those 17 holes.

The former owners must have had some encouragement to drill so many closely spaced holes.

COMMENTS

The Belmoral gold deposit was found in 1975 within the Bourlamaque batholith, near Val d'Or, by drilling VLF electromagnetic anomalies. Since then, the felsic intrusives of the area have been considered as good targets for gold mineralizations. The Condaka property covers such a favorable intrusive.

When exploring for the Belmoral type of gold mineralization, we are looking for shear zones injected by quartz veins carrying auriferous pyrite. There is no perfect method to locate such targets. The usual approach is to cover the target area with a VLF electromagnetic survey and to screen the anomalies with other techniques such as Horizontal EM, basal till sampling, soil sampling, and others, depending on the overburden thickness. The VLF survey should pick up the

shear zones, but it also picks up a lot of garbage, such as overburden anomalies. The shear zones, when covered by thick overburden, may well be missed by Horizontal EM and I.P. Basal till sampling and soil sampling are not expected to be very efficient when the overburden is thick. In other words, in these conditions, drilling is the only definite way to evaluate the economic potential of the VLF EM anomalies and of the property.

November 10, 1982

Réjean Gosselin, M.Sc.
Jean Descarreaux, Ph.D.
Consulting Geologists