



42401NE0086 28 LEBEL

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TOWNSHIP: Lebel

REPORT No.: 28

WORK PERFORMED BY: M. Labine

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	Note
L 505051	1A	352.0	Jan/83	(1) (2)

NOTES: (1) #15-83 (2) O.M.E.P. Submittal: #OM82-6-I-147 MEMOR

TO: FILE

FROM: C.E. PAGE

RE: RESULTS OF DIAMOND DRILLING PROGRAM LEBEL 1WP, KIRKLAND LAKE

#### Results

Hole 1A located in the N.E. corner of claim 505051 in Lebel Twp, Kirkland Lake encountered two zones of mineralization at 91.5' to 102.5' and from 261.0' to 270.0'. These zones are represented by abundant guartz, carbonate and sericite with 2 to 15% fine grained pyrite and assayed .11 and .10 oz Au/ton respectively. The upper portion of the hole was dominantly in greywacke to approximately 150 feet, below which conglomerate was the principal lithology encountered. The two mineralized zones are the down dip projection of two surface veins that had been explored by trenching in the past. Drill hole 1A indicates that these veins are dipping approximately 70° to the south which is consistent to the attitude of the adjoining Toburn mineralization to the west.

#### Recommendations

This hole was successful in proving the down dip extention of two surface veins encountered in trenching which indicates a definable vein structure on the property.

To further define the strike extent, down dip continuity, and grade of this vein structure, further drilling is recommended for this property.

OM82-6-I-147



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OM82-6-I-147

DIA	MO	ND DRILL RECORD			:						- du	EET NO	1
NAME C	F PROPE	RTY Labine Claim 50 50 51	FOOTAGE	DIP	AZIMUTH	FOOTAGE	910	AZIMUTH	HOLE	NU	3⊓	LET NO.	· · · · ·
HOLE N	o1/	ALENGTH352'	175	560					REMA	~~ S		·	
LOCATIO	DN LE	ebel Twp., Kirkland Lake	352	62 <sup>°</sup>									
LATITU	DE	$\frac{1}{1000} \text{ DEPARTURE} = -45^{\circ}$											
STARTE	D Januar	ry 5, 1983 FINISHED January 8, 1983			1				LOGGE	D BY	C.E. 1	Page	
FOO	TAGE	······································				SAM	PLE			P	SSA	y s	
FROM	то	DESCRIPTION	-	1	10. SULF	FROM	FOOTA TO	GE TOTAL	- 76	%	OZ/TON	OZ/TON	
0	5.0	Casing											
5.0	16.5	Greywacke											
		Contains Bands of Fine Grained Argillite		-									
		Some Bands are Brecciated (ie. soft-sediment deformation	on)										
		Bedding 60 - 70° to Core Axis											
		Cut by Quartz-Carbonate Stringers 50° to CA.			-								
16.5	32.0	Tuff						-				•	
		Medium Grained, Grey Green Colour								1			
		Clasts of Orange Feldspar Contains Bands of Argillite											
		Bedding 60° to Core Axis											
													•
		240° to 27.0 - Brecciated Argillite Bedding 10 - 20° to CA											
		$\frac{1}{10000000000000000000000000000000000$											
1		Normal to Bedding.		-									
					-								
32.0	38.0	Alteration Zone Altered Fine Tuff and Argillite Overprinted by											
		Orange-Brown-Green Coloured Alteration Unit Cut											
	ŀ	Bedding 70° to CA.											
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NAME OF PROPERTY\_

HOLE NO.

1-A

\_ SHEET NO.

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FOOTAGE					SAMPL	Ξ		ASSAYS					
		DESCRIPTION		% SULPH		FOOTAGE		•	٣.	OZ/TON	OZ/TON		
FROM	то		NO.	IDES	FROM	TO	TOTAL		/•				
38.0	40.0	Fault Zone Green Chlorite with brecciated bands of stained quartz and	1	2%.	38	40	2			Nil			
		carbonate occurring at $70^{\circ}$ to CA at $40.0' \Rightarrow$ Brecciated - healed with calcite. Zone contains smears of orange and silver coloured metallic mineral.			-				-				
40.0	68.0	Greywacke - siltstone - quartz/carbonate Green-Gray-Brown in colour Bedding 70° to core Axis This unit contains bands of vuggy quartz-carbonate material. (This material is similar to fault zone but is not stained).											
		No sulphides indicated. Quartz banding: 46.5 to 47.5 49 to 50 54.5 to 55.5 60 to 62 65 to 65.2	2 3		46.5 60	47.5 62	1 2			Nil Nil	•		
68.0	77.5	Greywacke - Siltstone Grey-Green in colour, no quartz bands Bedding 70 to 75° to CA. cut by quartz-carbonate stringers No sulphides. 77.5 - 78.5 quartz vein.	25		77.5	78.5	1			.002			

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NAME OF PROPERTY

HOLE NO. 1A

SHEET NO. 3

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FOO	TAGE			SAMPLE					ASSAY	<sup>s</sup> Au	Au	
ERON	TO	DESCRIPTION		% SULPH		FOOTAGE		-	~	07/70*	07/70	
77.5	83.0	Greywacke Coarse grained, Bedding 70 <sup>°</sup> to Core Axis Jasper coloured clasts, possibly a fine grained conglomerate. No quartz-carbonate stringers.	NC.	IDES	FROM	TO	TOTAL	10	10			
83.0	91.5	Greywacke Fine Grained Bedding 70° to Core Axis Cut by quartz/Carbonate stringers at 45° to Core Axis, Stringers are parallel to Bedding. Tr. euhedral pyrite grains.										
91.5	102.5	Mineralized Zone 2 to 15% fine grained pyrite and sericite occurring with quartz and carbonate. Sulphides and quartz appear crudly banded and brecciated, Banding 70° to 80° to core axis. 91.5 to 93 - Altered, sericite, less quartz and sulphides 93 to 97 - Abundant quartz and sulphides 97 to 102.5- Sericite alteration, less quartz more regulary banded with green chlorite.	4 5 7 8	3% 10-15 5% 5% 2%	91.5 93.5 95.5 97.5 99.5	93.5 95.5 97.5 99.5 102.5	2 2 2 3			0.17 0.10 0.10 0.07 .005	0.15	0.18

NAME OF PROPERTY\_\_\_\_

1A 4 HOLE NO. \_ SHEET NO ... FOOTAGE SAMPLE ASSAYS DESCRIPTION FROM то FOOTAGE % SULPH NO. OZ/TON OZ/TON IDES FROM % 7 TO TOTAL 102.5 112.0 Greywacke Fine Grained, Grey-Green in colour Bedding 60° to 70° to CA 9 1% 106 107 1 Nil cut by quartz and carbonate veinlets at 50° to CA. 10 1% 111 112 1 .005 106 - 3" quartz vein trace sulphides and sericite,  $80^{\circ}$  to CA. 11 1% 117.5 118.5 1 .002 112 - 3" quartz vein, 5% pyrite 80° to CA 112.0 121.5 Tuff Coarse to Medium Grained, Red-Brown Bedding 80° to CA 118' - 1" quartz vein and alteration 121.5 143.0 Greywacke - Argillite Green-Grey in colour contains occasional carbonate-quartz bands appears vuggy, barren of sulphides. Cut by quartz-carbonate stringers occurring parallel to Bedding, 80° to CA. 143.0 143.5 Grgund Core Si 2 vein and pyrite 2 - 5% 2% 12 143 144 1 .04

NAME OF PROPERT

1A SHEET NO.\_ HOLE NO.

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FOOT	AGE				SAMPL		-			ASSAYS	<sup>5</sup> Au	
		DESCRIPTION		% SULPH		FOOTAGE			*	07/708	07/101	
FROM	то		NO.	IDES	FROM	TO	TOTAL	74	7.	02/10N	02/10N	
143.5	155.0	Conglomerate Massive-Brown										
	-	1/16" to 1" clasts dominantly volcanic and sedimentary in nature.					- -					
· ·		Occasional patches of carbonate.		ľ			-					
155.0	162.8	Greywacke Grey-Green in colour massive	13	2%	158.5	159.5	1 .			.07	.07	•
	-	158.5 to 159.5 - Quartz vein +5% Py.				-						
162.8	185.5	Conglomerate				-				-		
		Bedding 70 to 80 to CA. Clasts are sedimentary and volcanic in composition .2 to 3 cm clasts.							-			•
185.5	194.0	Greywacke Medium Grained, Grey-Green Colour. Contains Argillite Bands Bedding 70° to CA										
		quartz-carbonate veinlets 45° to 50° to core axis, parallelling bedding.										
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NAME OF PROPERTY\_\_\_\_

HOLE NO. \_\_\_\_\_ SHEET

SHEET NO. 6

FOO	TAGE				SAMPLI	SAMPLE			ASSAYS					
		DESCRIPTION		% SULPH		FOOTAGE			<del>4</del> 7	07/708	07/TON			
FROM	то		NO.	IDES	FROM	то	TOTAL		/•					
194.0	227.0	Conglomerate Interbedded with fine grained greywacke and siltstone Bedding 70° to 80° to CA Cut by SiO <sub>2</sub> - Co <sub>3</sub> veinlets 45° to CA which cuts bedding.												
									-					
		221.5 - 222.5 - Intrusive Porphyry (Syenite) Feldspar Clasts (Red-Orange Colour)	14	tr	221.5	222.5	1		-	Nil				
227.0	237.0	Altered Conglomerate Sericitized and Siliceous Clasts bealed by calcite and some quartz.	15	tr	227.5	230	2.5	-	-	Nil		•		
		tr. py.	16	tr	230.0	232.5	2.5	• •		NÍI				
237.0	243.0	Greywacke Massive, cut by quartz/carbonate veinlets 45 <sup>0</sup> to CA.		-										
243.0	261.0	Conglomerate large rounded clasts, up to 3" in Diameter	-											
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NAME OF PROPERTY HOLE NO. 1A

	SHEET	NO	7
_	SHEEI	NO.	

FOOT	TAGE				SAMPL	E				ASSAY	<sup>5</sup> λ	λ <sub>1</sub>
FROM	то	DESCRIPTION		% SULPH		FOOTAGE						
			NO.	IDES	FROM	TO	TOTAL	%	%	OZ/TON	OZ/TON	
261.0	270.0	Mineralized Zone (In Conglomerate) occurs 70° to Core Axis 21% to 10% pyrite - fine grained "zone is altered", abundant sericite sulphides occur around some clasts, with quartz veinlets.	17 18 19 20 21 -	5% 10% 10% 3% 1%	261 263 265 267 269	263 265 267 269 270	2 2 2 1			.06 .11 .14 .08 .05	.14	·.16
270.0	276.5	Altered Conglomerate Sericitized conglomerate bedding 70° to core axis										
		274 - 275 - mineralized zone 5% Py and sericite and quartz	22	5%	274	275	l			.06		
276.5	282.0	Greywacke Fine to medium Grained Bedding 70° to 80° to Core Axis										
		278.5 - 280.0-quartz carbonate vein, parallel to bedding, trace Py.	23	tr	278.5	280.0	1.5%			-002		
						-						
	•					-	-		-			

NAME OF PROPERTY\_\_\_\_

HOLE NO ...

1A

SHEET NO.

8

FOOTAGE					SAMPL	Ε		ASSAYS				
FROM	то	DESCRIPTION		% SULPH		FOOTAGE		-		Au		
			NO.	IDES	FROM	то	TOTAL	7.	%	OZ/TON	OZ/TON	
282.0	352.0	Conglomerate Contains up to 3' units of medium grained greywacke. Bedding 70° to CA.	24	tr	318.0	318.5	.5			.002		-
		318 - 318.5: Porphyry - Syenite Tr. Py + Contacts at 70° to Core Axis.										
52.0		End of Hole.										
			-							-		•
			-		x							
								-	-			
							-					
-												



