

DIAMOND DRILLING



42A01NE0086 28 LEVEL

010

TOWNSHIP: Lebel

REPORT No.: 28

WORK PERFORMED BY: M. Labine

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
L 505051	1A	352.0	Jan/83	(1) (2)

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

M E M O R

TO: FILE

FROM: C.E. PAGE

RE: RESULTS OF DIAMOND DRILLING PROGRAM
LEBEL TWP, 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 quartz, 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

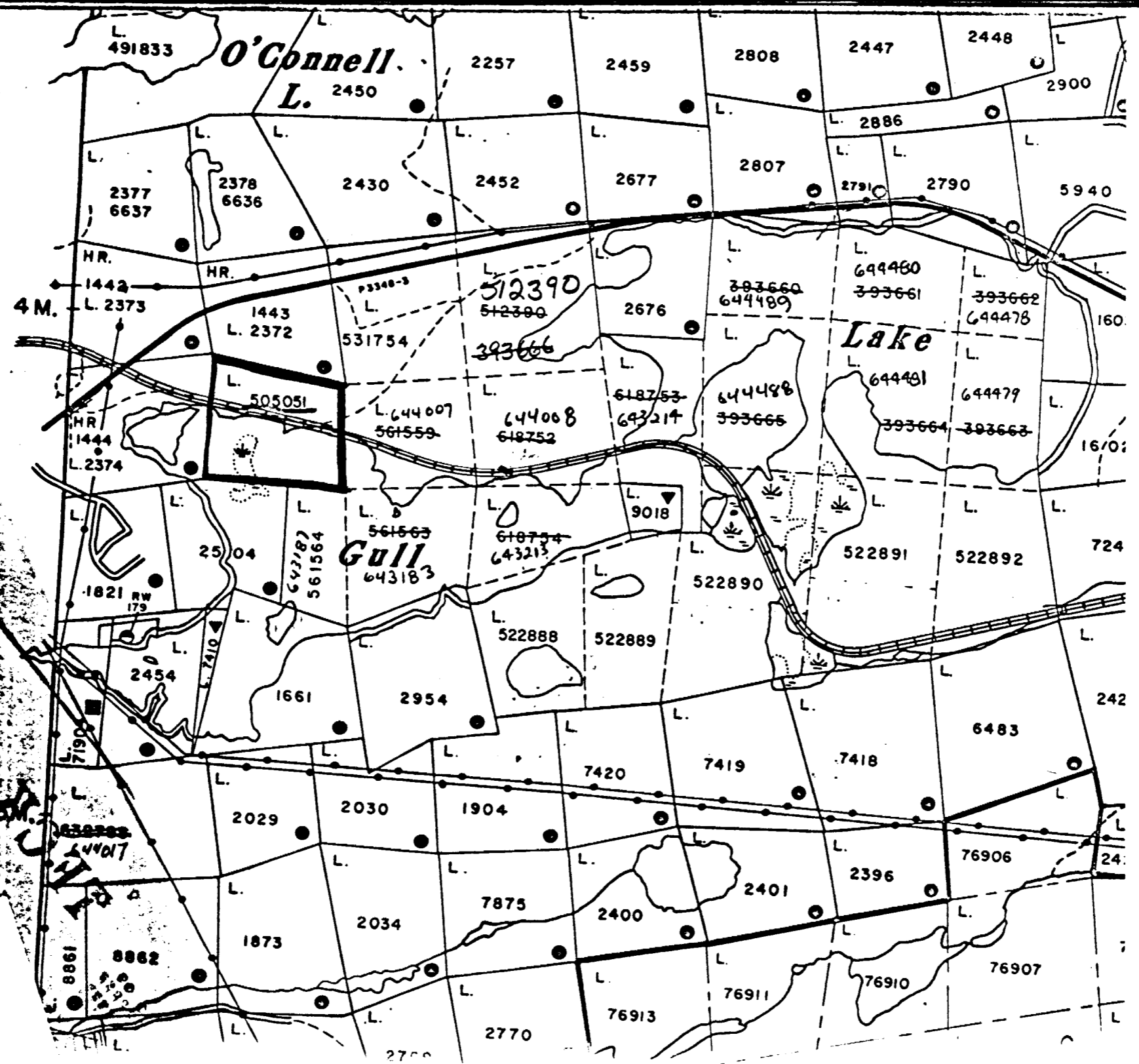
This hole was successful in proving the down dip extension of two surface veins encountered in trenching which indicates a definable vein structure on the property.

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

#15.83

M. LAGINE

LEBEL
TP.
G-639



DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. 1-A SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
38.0	40.0	Fault Zone Green Chlorite with brecciated bands of stained quartz and carbonate occurring at 70° to CA at 40.0' → Brecciated - healed with calcite. Zone contains smears of orange and silver coloured metallic mineral.	1	2%	38	40	2			Nil	
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		46.5	47.5	1			Nil	
			3		60	62	2			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	

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. 1A SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au	Au	Au
					FROM	TO			oz/TON	oz/TON	oz/TON
77.5	83.0	Greywacke Coarse grained, Bedding 70° to Core Axis Jasper coloured clasts, possibly a fine grained conglomerate. No quartz-carbonate stringers.									
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	3%	91.5	93.5	2		0.17	0.15	0.18
			5	10-15	93.5	95.5	2		0.10		
			6	5%	95.5	97.5	2		0.10	0.09	
			7	5%	97.5	99.5	2		0.07		
			8	2%	99.5	102.5	3		.005		

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. 1A SHEET NO. 4

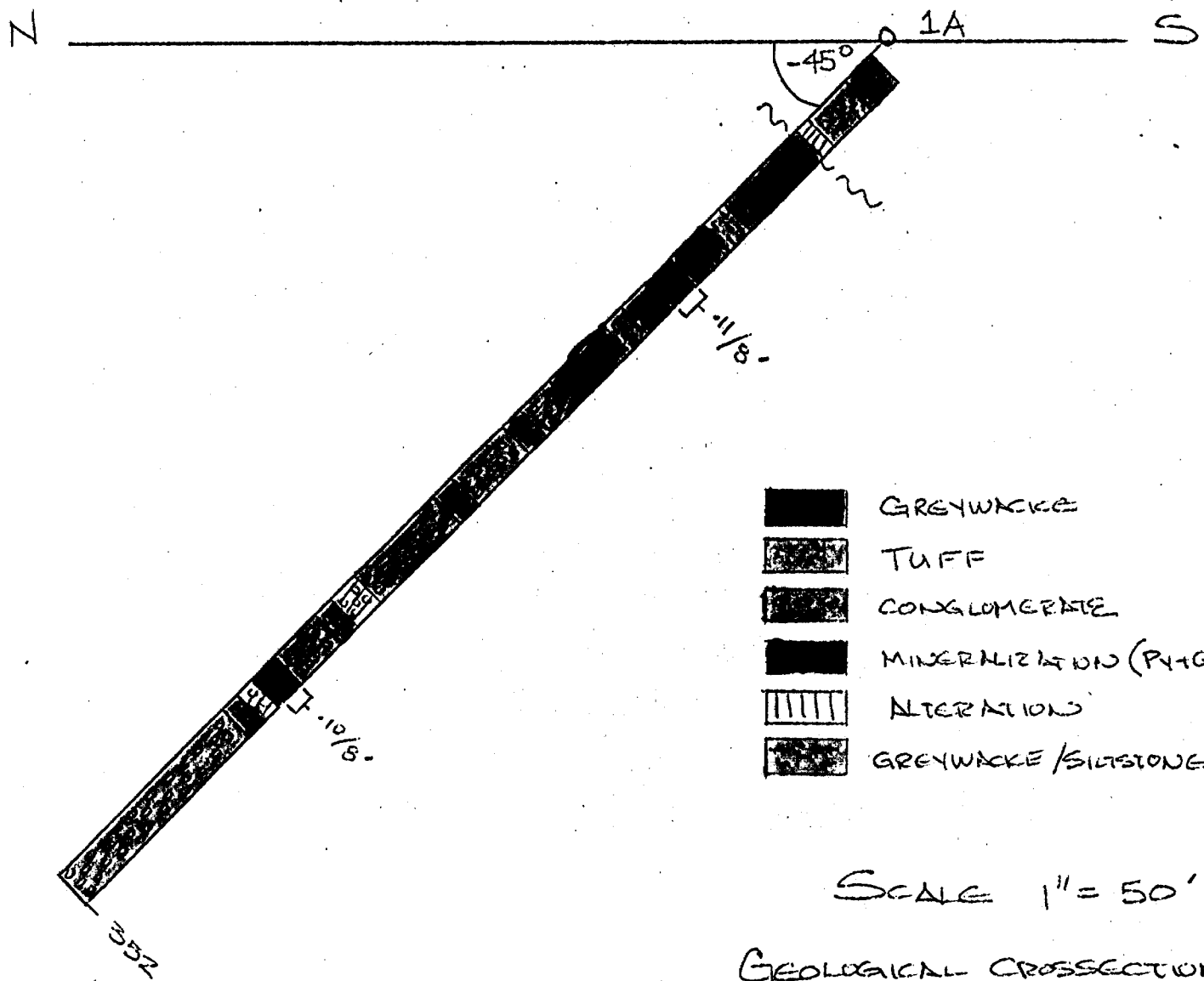
FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
102.5	112.0	Greywacke Fine Grained, Grey-Green in colour Bedding 60° to 70° to CA cut by quartz and carbonate veinlets at 50° to CA. <hr/> 106 - 3" quartz vein trace sulphides and sericite, 80° to CA. 112 - 3" quartz vein, 5% pyrite 80° to CA	9	1%	106	107	1			Nil	
			10	1%	111	112	1			.005	
			11	1%	117.5	118.5	1			.002	
112.0	121.5	Tuff Coarse to Medium Grained, Red-Brown Bedding 80° to CA <hr/> 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	Grond Core Si ₂ vein and pyrite 2 - 5%	12	2%	143	144	1			.04	

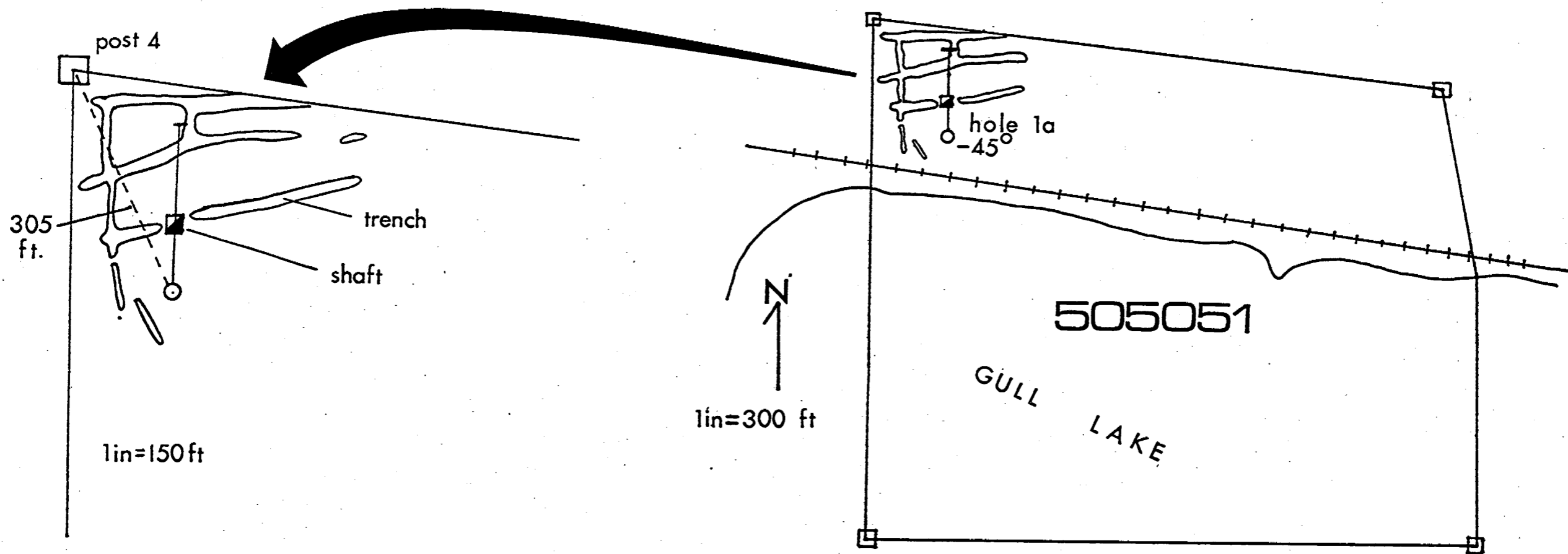
DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. 1A SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	Au		
					FROM	TO	TOTAL			OZ/TON	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	5%	261	263	2			.06		
			18	10%	263	265	2			.11		
			19	10%	265	267	2			.14	.14	.16
			20	3%	267	269	2			.08		
			21	1%	269	270	1			.05		
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	1			.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		





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Jan 17/83