010

Diamond Drilling

Township of CASSELS

Report Nº 16

Work performed by: Aldage Mines Limited

Claim Nº	Hole Nº	Footage	Date	Note
T 52656	1	50.0'	1964	
	2	101.0'	1964	
	4	101.0'	1964	
	5	116.0'	1964	
	6	116.0'	1964	
	7	101.0'	1964	
	8	102.0'	1964	
	9	101.0'	1964	
		8/ 788'		

Notes:

REPORT OF DIAMOND DRILLING DONE ON PROPERTY OF

ALDAGE MINES LIMITED

TIMISKAMING MINING DIVISION, ONTARIO

G.L. Kirwan
September 21, 1964

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REPORT OF DIAMOND DRILLING DONE ON PROPERTY OF

ALDAGE MINES LIMITED

TIMISKAMING MINING DIVISION, ONTARIO

PURPOSE OF REPORT:

The report contained herein evaluates the results of a diamond drill program carried out on the Timagami, Ontario, property of Aldage Mines Limited.

PROPERTY:

Location: Aldage Mines Ltd. is the recorded holder of 22 mining claims situated adjoining Cassel's Lake in the central portion of Cassel's Township, District of Nipissing, Timiskaming Mining Division, Province of Ontario.

Access: From Zimmerman's Camps situated one-half mile east of the townsite of Timagami, Ontario, a four mile water route northeast over Smoke Lake and Cassel's Lake affords the easiest access. Float-equipped or ski-equipped charter aircraft operate from Timagami.

Claim Group: Consisting of 22 unpatented, contiguous, mining claims in one block approximately 1¼ miles square, the Aldage group of claims may be described as follows:

T 52656 -659 incl.	4 claims
T 53370 - 371 incl	2 "
T 52456 - 466 incl.	11 "
T 53542 - 546 incl.	5 "
	22 claims

Company records indicate these mining claims are in good standing with the Ontario Department of Mines.

The report contained herein covers diamond drilling done on mining claims numbered T 53370 and T 52461.

HISTORY:

Originally the Aldage group consisted of six mining claims staked in 1961 on the north shore of Cassel's Lake. This group is overlain by Gosselin Lake. Since that time, another 16 mining claims have been added to the group on the west and north.

During the summer of 1963, a geological and prospecting program was carried out on the original 6 claim group. In the summer of 1964, the remaining 16 claim group was geologized and prospected.

During the 1963 program, various aplite structures occupying shear zones were noted and some of these zones contained narrow but substantial veins of chalcopyrite notably in claim No. T 53370 on the west shore of Gosselin Lake.

Subsequently, the most prominent structure was trenched for a distance of 113' to a depth of 6' and it was observed that the chalcopyrite vein increased in width with depth. Sampling for assay purposes proved the presence of commercial grade copper associated with interesting amounts of silver.

Because of the importance of the copper-silver values and because the aplite structure carrying the chalcopyrite vein showed strong continuity along a shear zone, short probe diamond drilling was recommended in order to ascertain the below groundlevel continuity, thickness, attitude and preponderance of the vein as well as to determine the copper-silver values that may occur below the trenched area.

DIAMOND DRILLING:

The diamond drill program was begun June 20, 1964, and terminated

September 7, 1964.

Employing a Packsack diamond drill, a total of 788 ' of 7/8 inch core was removed for examination from a total of 8 diamond drill holes. These holes are numbered 1-9 incl. (see enclosed map and drill logs) Hole No. 3 was not drilled. All holes were between 101' - 116' with the exception of No. 1 hole which is 50' in length. Holes 4-7 incl. were collared on claim No. T 52461 while holes 1,2,8, and 9 were collared on claim No. T 53370. Drill holes 4-7 incl. and 9 have a magnetic bearing of 312 while holes 1,2, and 8 have a magnetic bearing of 130 . All holes were drilled at 45 dip from the horizintal.

Drill holes 1,2; 4-7 inclusive were placed in a position to examine below the trenched area and were drilled on each side of the aplite-chalcopyrite structure taking into consideration possible rake of the structure, while No. 8 hole was collared some 100' south south-west of D.D.H. No. 1 on a small chalcopyrite vein which could be the south extension of the main target area. No. 9 hole was collared some 220' south of D.D.H. No. 1 to similarly investigate a chalcopyrite surface show which is located at the south surface end of another but parrellel aplite dike being 75' west of the target dike.

DIAMOND DRILL RESULTS:

Eleven core sections were removed for assay purposes, the maximum core length being 3". Of the samples, all were tested for silver content while 4 Of the 11 were assayed for copper where chalcopyrite was evidenced. The silver results ranged from nil to a high of 2.28 ounces per ton with an average silver content of 0.57 ounces per ton over an average width of 1.6". Copper values ranged from 0.33% copper per ton to 21.35% with an average value of 10.10% copper per ton. The average width of the copper

vein material is about one inch.

CONCLUSION:

Diamond drilling did not support previous surface indications. The aplite structure with the resident chalcopyrite vein appears to pinch out rapidly with depth. In most cases, the target aplite was not intersected.

Despite this, two copper veins were intersected that were not from the target aplite zone, notably in hole No. 5 and 8. These intersections indicate that copper veins do occur on the property in greater abundance than is evidenced on surface.

Because of the rapid pinching out of both the aplite and the copper vein material, it is unlikely that economic material would exist at greater depth than that arrived at under the Packsack drill program.

RECOMMENDATION:

Because of the lack of prominent copper intersections resulting from the diamond drill program and because of the negative results obtained from electro-magnetic and self-potential tests conducted by the writer over known chalcopyrite zones on the property, it is recommended that no further work be done on the claim group.

All of which is respectfully submitted,

Gerald L Kirman

GLK/lk

Gerald L. Kirman BSc., F.R.G.S.
Advance Geology & Geophysics Ltd.

September 21, 1964
Willowdale, Ont.

DIAMOND DRILL RECORD

Hole No. _____ Sheet No. 1

Property Aldage Mines Limited
Location Timagami, Ontario

Latitude _____
Departure _____
Bearing 312° (DDH 1&2); 130° (DDH 4&5)

	Dip
D.D.H. 1	45
D.D.H. 2	45
D.D.H. 3	Not drilled
D.D.H. 4	45
D.D.H. 5	45

Total Footage Holes 1-5 incl.: 368'

Elev. Collar _____
Datum _____
Date Started _____
Date Completed _____
Drilled by Advance Geology & Geophysics Ltd.
Logged by G.L. Kirwan BSc

Footage From	Footage To	Formation	Sample Number	Sample Footage	Sample Width	silver Gold Sample	copper Gold sample	Remarks
DRILL HOLE 1								
0	50	Diabase; Nipissing variety - even textured. Hole end.						
	23	1" calcite vein						
DRILL HOLE 2								
0	5	casing in sandy loam						
5	101	diabase; Nipissing variety End of hole.						
	29'6"	1" calcite vein with chalcopyrite (minor)	1	29'6"	1"	1.40 oz.	0.33%	
	53'0"	1.5" quartz-calcite stringer	2	53'0"	2"-1.5"	0 .16 oz.		
DRILL HOLE 3 (not drilled) DRILL HOLE 4								
0	6	casing						
6	101	diabase; Nipissing variety. End of hole.						
	17	1" calcite stringer						
	33	2" calcite stringer						
	42	1.5" calcite stringer						
	48	3" aplite vein						
	67	calcite vein (1")	3	67'0"	1"	0.38 oz.		
DRILL HOLE 5								
0	7	casing						
7	116	diabase; Nipissing variety. End of hole.						
	15	1" chalcopyrite vein	4	15	1"	2.28 oz.	21.35%	
25	40	15' aplite, pink, even textured, minor chalcopyrite						
	37	½" chalcopyrite vein	5	37	½"	1.26 oz.	10 .50%	
	65	2" aplite-quartz-calcite						

Date of Examination September 10, 1964

Gerald L Kirwan

SM-54-2887

DIAMOND DRILL RECORD

Hole No. ..... Sheet No. .....

Property: Aldage Mines Limited
Location: Timagami, Ont.

Latitude:
Departure:
Bearing: DDH 6-9 incl. 130

	Dip
D.D.H. 6	45
D.D.H. 7	45
D.D.H. 8	45
D.D.H. 9	45

Total Footage Holes 6-9 incl.: 420'

Elev. Collar:
Datum:
Date Started:
Date Completed:
Drilled by: Advance Geology & Coop[illegible]
Logged by: G.L. Kirwan BSc

Footage From	Footage To	Formation	Sample Number	Sample Footage	Sample Width	Gold Sample	silver copper Gold ~~XXXX~~ sample	Remarks
DRILL	HOLE 6							
0	116	Diabase; Nipissing variety. End of Hole						
	10	2" Calcite vein	S-2	10'	2"	0.05	oz.	
	55'	2" quartz-calcite vein	S-3	55'	2"	0 .07	oz.	
	93	4" aplite, pink.						
DRILL	HOLE 7							
0	101	Diabase; Nipissing variety. End of hole						
	7	2" quartz-calcite stringer						
	11	2" quartz-calcite stringer						
	22'	1" quartz-calcite stringer						
	26	1" quartz-calcite stringer						
	41	½" quartz-calcite stringer (some chalcopyrite)						
	48	3" quartz-calcite stringer	S-4	48'	3"	nil		
	83	1.5" aplite, pink.						
DRILL	HOLE 8							
0	102	Diabase; Nipissing variety. End of hole						
	27	2" aplite, pink						
	36	2" aplite, pink						
	49	2" calcite stringer	S-6	49'	2"	0.13	oz.	
	96	4" calcite stringer						
	2	1" calcite stringer	S-5	2'	1"	0.58	oz. 8.2%	
DRILL	HOLE 9	0-5' casing						
5	101	Diabase; Nipissing variety. End of hole						
48		3" calcite stringer	S-7	48'	3"	nil		
	74	1' aplite, pink						

Date of Examination: September 10, 1964

Kirwan

POST 4
CLAIM T 53370

M N

CLAIM T 52461

GOSSELIN

LAKE

DDH 7 (101')
45°

DDH 6 (116')
45°

(#10) 2.50 ; 12.70 3"
(#9) 3.90 ; 23.26 4"

'R' = RELIEF DDH TO VEIN

DDH 5 (116')
45°

(#8) 2.28 ; 13.18 6"
(#7) 1.78 ; 9.50 6" 95°
(#6) 9.02 ; 21.81 4"
(#5) 2.05 ; 14.62 6"

DDH 4 (101')
45°

(#4) 2.66 ; 15.23 6"
(#3) 2.08 ; 11.61 5"
(#2) 2.76 ; 19.93 3"

LOCATION POST : 300' SOUTH, 100' WEST OF POST 4, CLAIM T 53370

(#1) 1.28 ; 8.33 4"

(R:-20)

45°
DDH 2 (101)
(R:-8)

ASSAYS = SILVER IN OZS./TON, COPPER IN PERCENT — OVER GIVEN WIDTH

45°
DDH 1 (50')
(R:-15)

DDH 8 (102)
45°

DDH 9 (101)
45°

CASSEL'S TOWNSHIP

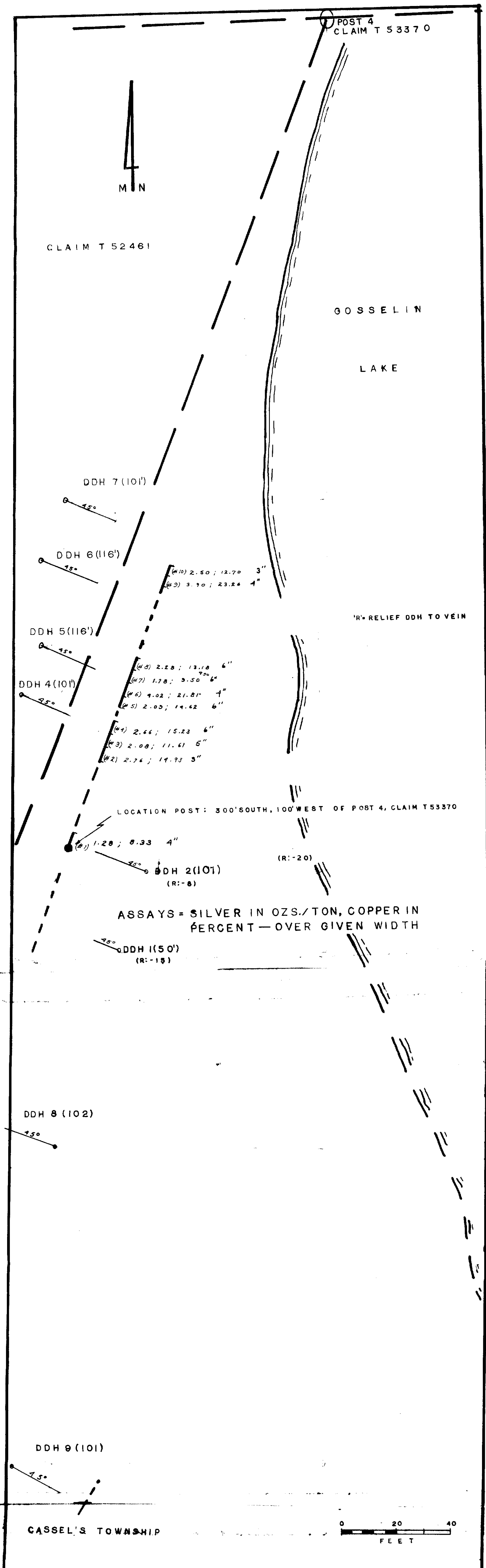
0 20 40
FEET

ALDAGE MINES LTD.

TIMAGAMI PROPERTY

ASSAY & PROPOSED D.D.H. MAP

G. KIRWAN 1964

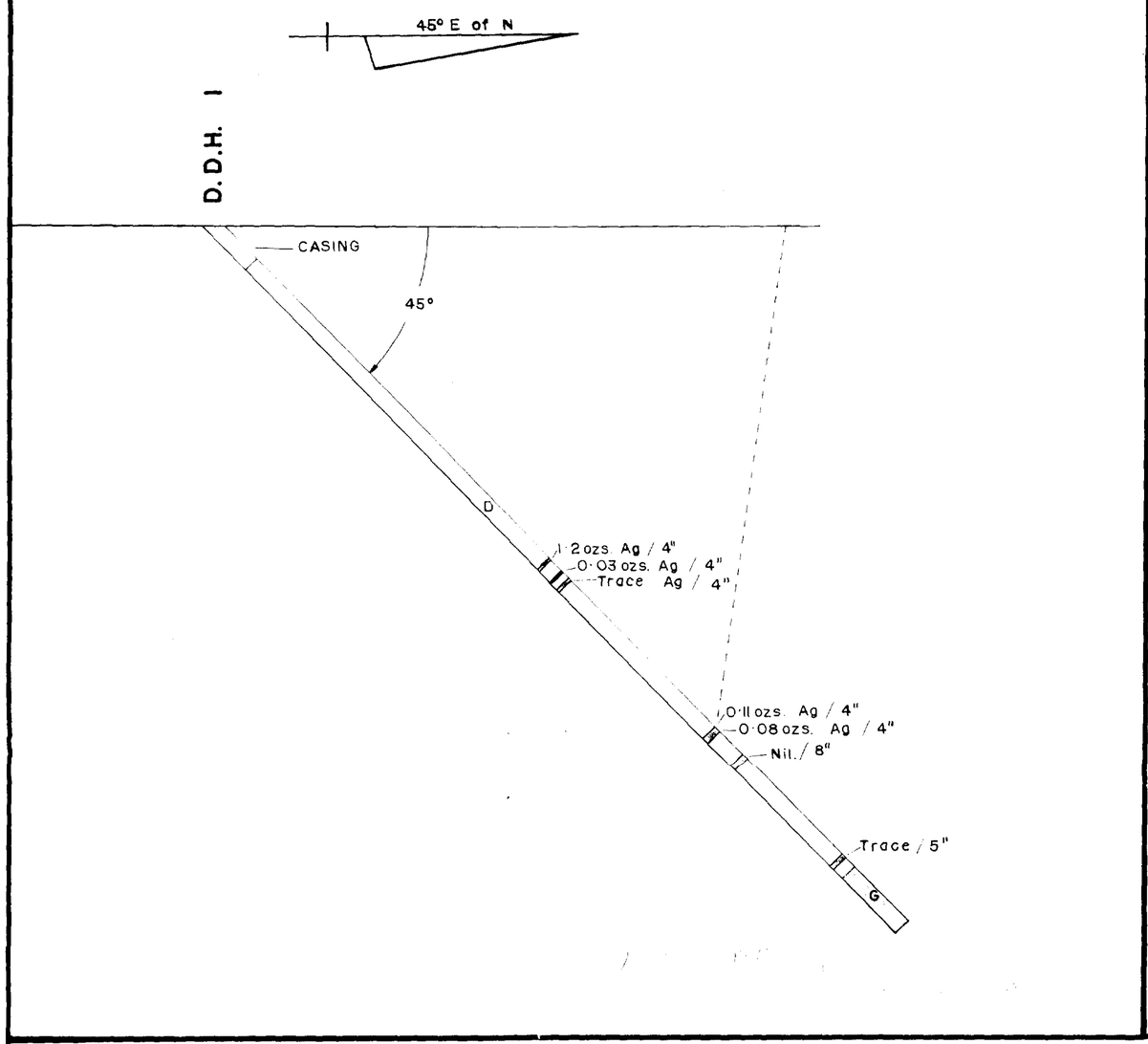


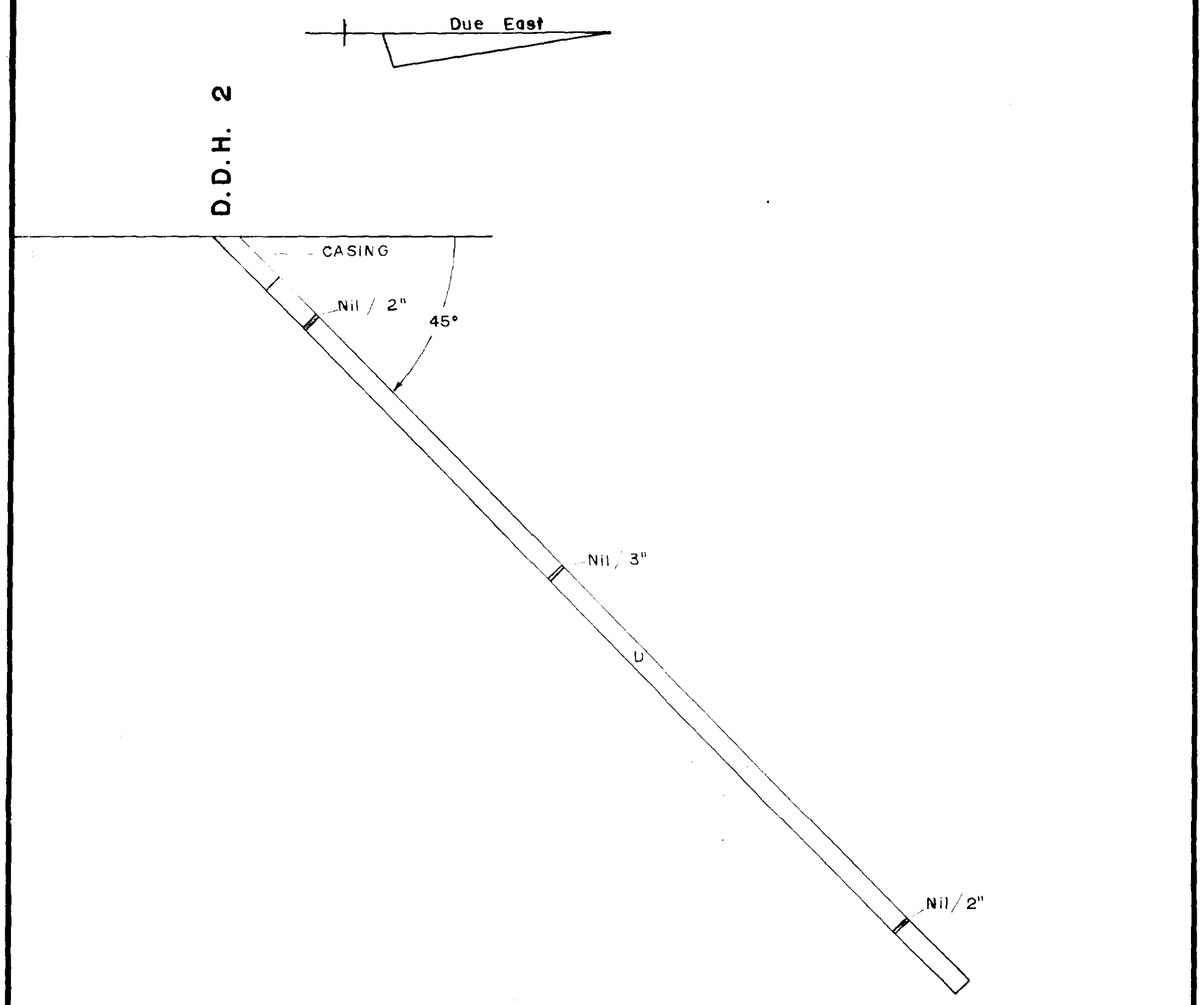
ALDAGE MINES LTD.

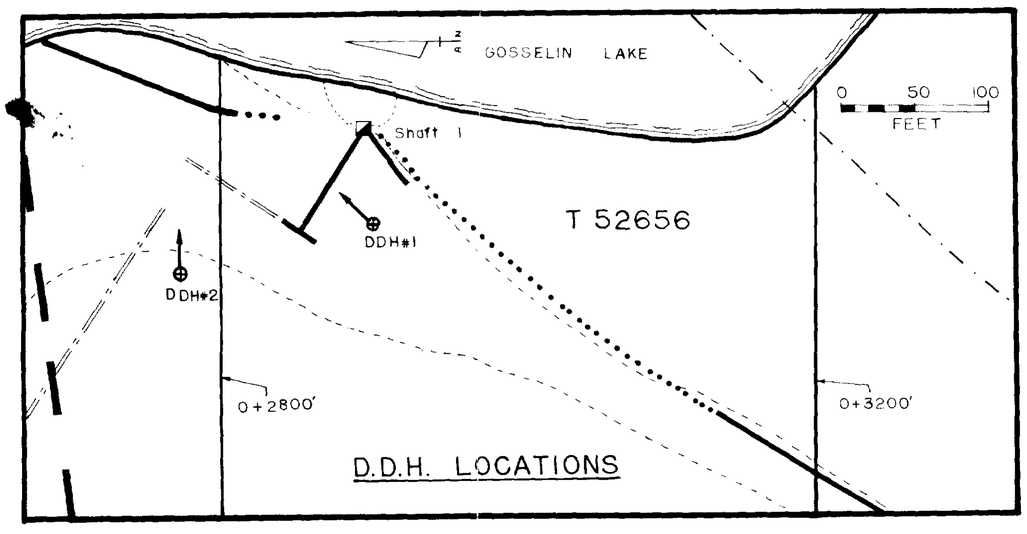
TIMAGAMI PROPERTY

ASSAY & PROPOSED D.D.H. MAP

G. KIRWAN 1964







ROCK TYPES

D	Diabase
G	Gabbro

ALDAGE MINES LIMITED

DIAMOND DRILL HOLE SECTIONS

SCALE

0 10 20 30 40 50

FEET

MAP No. 3.

G. L. KIRWAN. JUNE, 1963.

D.D. Report # 16