

report A



S2N04SW0243 63.3098 BAIRD TWP

63.3098

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INTERNATIONAL MINE SERVICES LIMITED

SUMMARY OF DIAMOND DRILL PROGRAM
ON THE BAIRD TOWNSHIP PROPERTY
OF AIKEN-RUSSET RED LAKE MINES LIMITED

JANUARY-MARCH 1974

RL-27

Toronto
February 25, 1974

J.L. Tindale, P.Eng.,
Geologist

Introduction

Aiken-Russet Red Lake Mines Limited commenced a diamond drilling program on their Baird Township gold property on January 6, 1974, and completed the drilling on February 22, 1974. Drilling was contracted to Barron Diamond Drilling Company Ltd. of Haileybury, Ontario. Supervision in the field was supplied by Alex Watt of MacKenzie Island, Ontario, and Chester Kuryliw of Kenora.

This diamond drilling program has been qualified under the Province of Ontario's Mineral Exploration Assistance Program, Contract RL-27. The following report, and enclosed maps, sections and drill logs, have been prepared to satisfy the requirements of this Assistance Program.

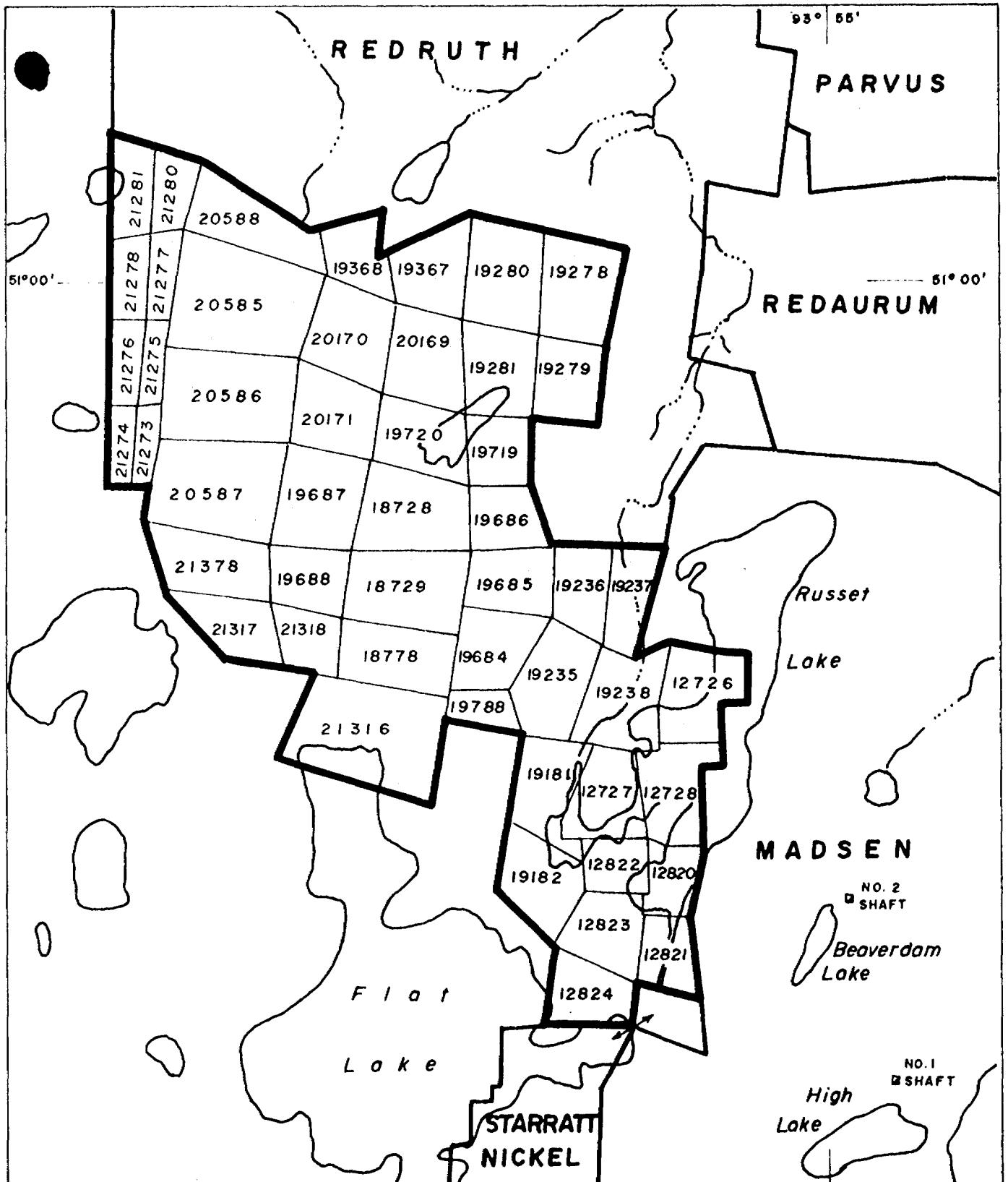
Property, Location and Access

The property consists of 50 patented claims located in the eastern portion of Baird Township. The eastern boundary adjoins the producing Madsen Red Lake Gold Mines Limited. The Madsen shaft is 3,000 ft. east of the mutual boundary. The Madsen mine is served by a highway, townsite, and hydro power. Access to the Aiken-Russet is by bush trail and water routes from Madsen.

The patented claim holdings which make up this property are listed as follows and are depicted on the accompanying location map.

KRL 18728, 18729, 19281, 19367, 19368
KRL 18778, 19278, 19684 to 19688, 19719, 19720,
KRL 19788, 20169 to 20171, 20585 to 20588,
KRL 21273 to 21278, 21280, 21281, 21316 to 21318
KRL 21378, 12726 to 12728, 12820 to 12824
19181, 19182, 19235 to 19238

The recently completed drilling program was carried out on the ice and shoreward portion of the property. Drill crews were accommodated in Red Lake and were transported to the property by truck every eight hours. Access from the Madsen road was accomplished with snowmobiles and tractors.



PROPERTY MAP

AIKEN-RUSSET RED LAKE MINES LTD.

BAIRD TWP., ONTARIO

SCALE : 1" = 1/2 MILE

Historical Summary

The period of greatest activity on the property occurred from 1944 to 1947 when prospecting, trenching and diamond drilling was carried out on a number of the claims.

On the western portion of the property tuff and iron formation on claims 18728 and 18729 were found to carry gold values. Over 8,000 ft. of x-ray and EX size core drilling was expended in tracing the tuffaceous horizons over a strike length of 3,000 ft. Visible gold was encountered in three intersections and assay values ranging from 0.10 to 0.22 oz. per ton in gold are reported in six widely scattered intersections.

On claim 19181 a band of iron formation and a parallel tuff horizon were drilled and found to be consistently mineralized over a length of 800 ft. The majority of the intersections are over narrow widths.

A similar occurrence was drilled on claims 19236 and 19237. Most assays were low though one intersection ran 0.27 oz. per ton gold across three feet.

Claim 12727 contains the most important gold mineralization found to date. A strike length of 1,200 ft. of sheared tuffaceous rock has been drilled with good widths of low grade gold mineralization being encountered. At least 30 holes were drilled in the zone prior to 1950 and great difficulty was encountered in correlating the mineralized zones. In 1967 the present management took over control of the property and remapped the area under the guidance of Chester Kuryliw. Kuryliw recognized that though the formations were striking north and dipping to the east, the schistosity which appears to control the mineralization has a northwesterly strike. Most previous drilling was seen to be running with the altered zones instead of crossing them.

This new interpretation led to a renewal of drilling in 1968 with 16 holes being put down and surveyed as presented on the enclosed drilling map at a scale of 1" = 100'. The 1974 program was designed to further test this zone and to test for extension of the Madsen structures under the waters of Russet Lake.

Geological Summary

Baird Township was mapped by S. A. Ferguson of the Ontario Department of Mines in 1962 at a scale of 1" = 1000', and subsequently published as Geological Report No. 39.

Diamond Drill Program - 1974

TABLE NO. 1

Hole No.	Claim No.	Latitude	Departure	Dip	Azimuth	Collar Elevation	Depth
1974-1	KRL 12727	5239.4N	4197.5E	49° 50'	214° 15'	14.1'	308
1974-2	"	5290.0N	4109.5E	49° 30'	215° 30'	16.0'	301
1974-3	"	5425.3N	4010.5E	50° 15'	215° 45'	15.7'	356
1974-4	"	5087.9N	4398.1E	49° 45'	214° 10'	0	200
1974-5	"	5047.3N	4457.1E	50° 10'	215° 10'	0	306
1974-6	"	4892.1N	4345.1E	50° 10'	213° 50'	1.4'	307
1974-7	"	4755.1N	4234.3E	50° 20'	214° 35'	1.5'	306
1974-8	"	5056.5N	4295.4E	49° 10'	214° 50'	18.05'	133
1974-9	"	5105.1N	4269.9E	50° 10'	214° 10'	19.20'	130
1974-10	"	5129.7N	4224.6E	50° 10'	214° 21'	20.50'	128
1974-11	"	5131.84N	4225.78E	49° 40'	237° 43'	20.50'	138
1974-12	"	5319.55N	4420.10E	49° 30'	214° 45'	1.5'	357
1974-13	"	5266.13N	4510.82E	60°	216° 10'	1.5'	359
1974-14	"	5249.64N	4309.09E	47°	214° 01'	1.6'	280
1974-15	KRL 12728	4554.22N	5291.33E	61° 50'	292° 29'	1.5'	951
1974-16	KRL 19238	5551.34N	4302.50E	49° 46'	215° 09'	2.5'	250
1974-17	"	5717.09N	4051.72E	50° 12'	215° 11'	8.9'	274
1974-18	KRL 12822	3260.00N	3995.00E	50° 17'	270°	16.30'	807
1974-19	KRL 12727	5259.00N	4158.00E	50° 45'	213° 15'	28.32'	298
1974-20	"	5326.00N	4056.00E	50° 10'	214° 55'	24.67'	402
1974-21	"	5201.00N	4390.00E	50° 20'	214° 45'	1.5'	240
1974-22	"	5387.00N	4101.00E	50° 15'	214° 45'	22.02'	358
TOTAL FOOTAGE							7189

NOTE: 1. Collar elevations measured from level of Russet Lake

The primary objective of the 1974 drilling program was to further delineate a broad zone of low grade gold mineralization along the western shore of Russet Lake. This zone was partially tested in 1968 and the current program was designed to block out sufficient mineralized material to warrant an underground test.

Holes 1974-1, 2, and 3 were drilled to the west of the previously indicated gold zone to test for an extension in this direction. A zone assaying 0.113 oz. per ton Au across

seven feet was encountered in hole no. 1. This mineralization was in a brownish biotite tuff zone at a deeper horizon than the previous zone to the east. Holes 2 and 3 intersected the same deeper zone, though values weakened as we proceeded west-erly. Near the end of the current program holes 19 and 20 were drilled half way between no.'s 1 and 2, and 2 and 3 respectively. Hole 20 intersected a six ft. band of brown tuff between 233 ft. and 239 ft. in the hole with visible gold apparent at 239 ft. Hole 22 was then drilled below no. 20 but exhibited poor alter-ation effects. Assays are awaited for these last holes.

The main mineralized lense was tested with a series of short holes at the 50 ft. horizon and a deeper tier at the 200 ft. horizon. These holes, numbered 4, 5, 8, 9, 10, 11, 12, 13, 14, and 21, were disappointing. The structure was inter-sected in many of the holes but assay values were lacking. Strong silicification, and pyrite, in the brown tuff were present but lacked the gold content previously located at the 100 ft. horizon.

Holes 6 and 7 were drilled to cross-section the area between hole 5 and 1968-15. No values were located. Holes 16 and 17 were drilled to offset mineralization also located in the 1968 program. Hole 16 intersected a wide lamprophyre dyke at the projection extension of the brown tuff band from previous drilling. Hole 17 cut low values under similar circumstances.

Hole 15 was drilled out in Russet Lake to attempt to pick up the upward extension of the Madsen No. 8 Zone. The hole failed to penetrate the footwall of the Russet Lake talc zone, which hosts the Madsen mineralization. Hole no. 18 was similarly drilled to test for reported up dip values from Madsen. Assay values are awaited from this hole.

All holes have been surveyed and tied to the co-ordinate system. The no. 1 post of surveyed claim KRL 12727, co-ordinates 5500N and 4300E, serves as the control point for this survey.

All core is stored in covered boxes on racks constructed on claim KRL 12727 within sight of the collar of hole no. 74-14.

Conclusions

1. The original definition of the "main" gold structure at Aiken appears to have been over optimistic. The gold appears to have concentrated within flatly plunging lenses with limited lateral extent.

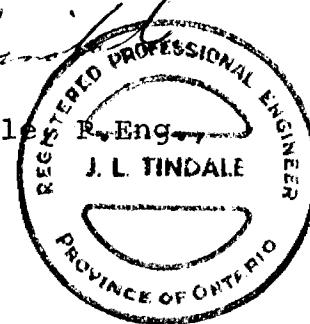
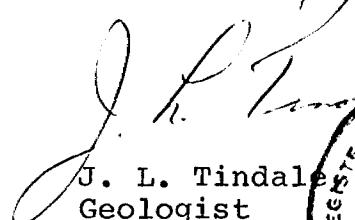
2. Mineralization exists in a number of these zones, perhaps in an en echelon pattern. Only underground development will conclusively define the orientation and controls existing.

3. The upward projection of the Madsen zones were not encountered.

4. Final conclusions on drilling results and future planning must await detailed compilation of all past and current drill results. This should be completed during the next two months.

Respectfully submitted,

J. L. Tindale
Geologist



Toronto, Ontario
February 25, 1974

DIAMOND DRILL LOGS

ATKEM-BUSSET RED LAKE MINES LIMITED
KAMLOOPS, B.C., CANADA

74-1

DIAMOND DRILL CORE LOG

CO-ORDINATES		No. 3 Zone	Section
LAT	41° 52' 39.4 N	Location KRL 12727	TOTAL DEPTH 308 Ft.
ELEVATION	344.1	HOLE NO. 74-1	FT. RECOVERED
AZIMUTH	234° 15'	SHEET NO. 1	% RECOVERY
HOR.	DIP	DATE BEGUN January 7/74	SIZE BIT
		DATE FINISHED January 8/74	EQ
VERT			

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
0								
25.0	Casing							
25.0								
95.5	Cryptic Groyish Andesite with occasional traces of tuffaceous bedding at 90° to core. 5% blue quartz stringer at 60° to core at 58.5'							
58.0'- 59.0'								
95.5	Greyish green chloritic tuff. Banding at 90° to core. No sil. or min.							
114.0	Brown Tuff. Small carbonate & quartz blobs throughout. 1% qtz. Slight silicification and occasional small blob pyrite (cubic).							
117.6	114.0'- 117.6'							
117.6								
157.1	Greyish green tuff, andesitic appearance except for traces of faint banding.							
168.0	157.1'- 168.0'							
168.0								
193.0	Greyish green tuff, andesitic appearance except for faint traces of bedding.							
193.0	193.0'- 195.6'							
195.6								
195.6	Brown tuff with some chloritic cuttings, and few carb filled fractures. Sparse fine py.							
210.0	195.6'- 210.0'							
210.0								
218.5	Similar to 168.0 to 193.0							
218.5								
218.5	Brownish tuff. Poorly banded. Chlorite, carbonate and minor quartz in thin fractures.							
218.5	Very little min. 210.0'-213.0'							
218.5	213.0'-216.0'							
218.5	216.0'-218.5'							
218.5								
249.0	Brown & green tuff. Well banded. Slight silicification throughout, with few sections well sil.							
249.0	3" blue grey quartz at 221', and quartz filled fractures 221'-229.							

DIAMOND DRILL CORE LOG

CORPORAL CO-ORDINATES

Location

Section

LAT

DEP

ELEVATION

HOLE NO.

TOTAL DEPTH

AZIMUTH

DIP

DATE BEGIN

108

VERITÉ

DATE FINISHED

100

• 100 •

ONE FINISHED

DIAMOND DRILL CORE LOG

GEAR CO-ORDINATES

No. 3 Rom.
 Location TRL 12787
 Section _____
 LAT 53° 20' N DEP 41° 09' S HOLE NO. 74-8
 ELEVATION 7,160. SHEET NO. 1
 TOTAL DEPTH 1301 FT. RECOVERED.
 AZIMUTH 214° 30' DIP 89° 30' DATE BEGUN January 8/74 % RECOVERY
 HOR. VERT DATE FINISHED January 10/74 SIZE BIT 15Q

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU	VALUE	AVGS	SLUDGES		
			PER TON	PER TON		SAMP.NO.	FROM	OZ.AU
0	Casing							
170								
170	Andesite. Fine grained.							
119.8	massive.							
119.7	Leucophyre. Pyrox.							
110.8	Dark brownish black.							
	Fine grained with fine brown biotite disseminated. Contact angle 35° to cora.							
		112.7 - 123.0	25	0.01				
140.8	Andesite. as 17.0 - 119.7							
190.0								
190.0	Brown tuff. Very slight							
194.0	silt. and sparse clss. by	26	0.02					
194.0	Brown silicified tuff.							
194.5	Chlorite and carbonato							
	color bands. 10% gray							
	blue. quartz in pseudomorphs							
	light fine py. disseminated							
	throughout. Occasional							
	black pyrr.	194.0 - 194.5	27	0.06				
197.3	Gray chloritic tuff.					194.5		
200.0	Andesitic appearance, white,							
	only fine traces banding							
		197.3 - 200.0	28	0.03	1			
200.0	Similar to previous							
236.0	50 feet.							
236.0	50 feet.							
		212.6 - 223.0	29	0.04				
236.0	Grayish Andesite.							
301.0	Section 266.0 - 267.0 Brown tuff with slight silt and sparse							
	fine py.	266.0 - 267.0	30	0.05				
301.0	End of Hole					LOG BY		
ANAL						D. M. Weller		

~~AIKEN - RUSSET RED LACE STONES 170.
MCKENZIE RED LACE GOLD MINE 170.~~

DIAMOND DRILL CORE LOG

COLLAR CO-ORDINATES

GOBBAR & CO. GROCERIES

LAT 33°23'.5 N DE

ELEVATION 4-15-7

AZIMUTH $214^{\circ} 45'$

HOB VE

Location KCL 12727

Location KR 12727

HOLE NO. 74-5

SHEET NO. 1

15 DATE BEGIN 7/2

DATE BEGUN _____

DATE FINISHED 1/1/03

SAMPLE OF

SAMPLE NO. 02 REF.

NO. PER

Table 1. Summary of the main characteristics of the three groups of patients.

Section

DEPTH

BY WHOM

COVERED

COVERY

BIT _____

—
—

5

SAMP.NO. F

— 1 —

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
0								
4.0	Casing							
7.0	Andesite							
114.0		301	10/20					
114.0	Grey, chloritic tuff	302	10/30					
224.0	Poor, faint banding at 90° to core.	303	10/40					
	Section 114.3' to 125.0'	304	10-50					
	lightly silicified with few blasts grayish white quartz and very sparse fine py.	305	50-60					
		306	60-70					
		307	70-80					
		308	80-90					
		309	90-100					
		310	100-110					
		311	110-120					
		312	120-130	0.01 ou.				
		313	130-140					
	114.3 - 117.0	31	0.01					
	10% quartz 117.0 - 120.0	32	0.04					
	60% quartz 120.0 - 122.2	33	0.03					
	122.2 - 125.0	34	0.02					
	154.7 - 156.7	35	0.01					
	187.3 - 190.7	36	0.02					
224.0	Komphyro Dyke. Lined	314	140-150					
241.5	with biotite	315	150-160					
241.5	Dark grey, chloritic tuff	316	160-170					
274.0	Andesitic appearance, except for faint traces of banding at 90° to core. 269.3 - 270.5	317	170-180					
		318	180-190					
		319	190-200					
		320	200-210					
		321	210-220					
		322	220-230					
		323	230-240					
		324	240-250	"				
		325	250-260	"				
		326	260-270	"				
		327	270-280	"				
		328	280-290	"				
		329	290-300	0.01				
		330	300-310	TR				
		331	310-320					
		332	320-330	0.01				
		333	330-340	0.01				
		334	340-350	TR				
	Brown tuff 288.0 - 289.4	36	0.04					
	60% quartz 290.4 - 292.0	37	0.02					
	294.4 - 297.5	42	0.04					
	308.7 - 311.6	43	TR					
	330.3 - 334.1	44	0.01					
	333.1 - 336.6	45	0.01					
	336.6 - 339.4	46	0.02					
	339.4 - 344.9	47	0.01					

DIAMOND DRILL CORE LOG

CIRCULAR CO-ORDINATES Location KRL 12728 Section
 LAT 50° 47' 3 N DEP 4457.1 E HOLE NO. 74-5 TOTAL DEPTH 306 Ft.
 ELEVATION 604' Lake Level SHEET NO. 1 FT. RECOVERED
 AZIMUTH 215° 10' DIP 50° 10' DATE BEGUN January 18/74 % RECOVERY
 HOR. 196.6 VERT 234.9 DATE FINISHED January 19/74 SIZE BIT EQ

AIKEN BUSSET RED LAKE MINES LIMITED

DIAMOND DRILL CORE LOG

4892-07 N
 LAR CO-ORDINATES Location No. 3 Zone
 LAT 43°22.08' N DEP 43°45.16' E HOLE NO. 74-6 Section
 ELEVATION 670 plus 1.4 Ft SHEET NO. 1 TOTAL DEPTH 307 Ft
 AZIMUTH 213°50' DIP 50°10' DATE BEGUN January 18/74 FT. RECOVERED
 HOR. VERT DATE FINISHED January 20/74 % RECOVERY
 SIZE BIT EQ

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
0 65.0	Casing							
65.0 165.0	Russet Iako Talc Rock. Slight talcosity in places.							
165.6 198.4	Andesite. Sharp contact with previous. Finograined, massive, no talc alteration.							
198.4 217.5	Lamprophyre Dike. Flecked with talc phenocrysts. Traces sparry disseminated in places.							
217.5 262.8	Andesite. Light grey, slightly tilted at 45° to core. Slight talc alteration in places. Occasional trace of banding							
262.8 264.7	Lamprophyre Dike. Flecked with talc phenocrysts.							
264.7 265.6	Grey altered andesite or tuff. Traces of banding throughout.							
265.6 267.0	Lamprophyre Dike.							
267.0 273.0	Chloritic Tuff. Greyish green, tilted at 45° to core. No Min.							
273.0 307.0	Andesite. Fine grained, massive, dark grey to black.							
307.0	End of Hole							

AWPL

LOG BY

Ricwall

DIAMOND DRILL CORE LOG

CARTER CO-ORDINATES

LAT $37^{\circ}55'10''$ N DEP $54^{\circ}34'35''$ E HOLE NO. 244-7
 ELEVATION 415' above 1000 foot SHEET NO. 1 of 2
 AZIMUTH $214^{\circ}25'$ DIP - $50^{\circ}30'$ DATE BEGUN January 21/24 % RECOVERY
 HOR. VERT DATE FINISHED January 23/24 SIZE BIT 1 1/2

No. 3 Zone.

Location KEL 13727

Section

TOTAL DEPTH 306.0

FT. RECOVERED

% RECOVERY

100

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SAMP. NO.	FROM	OZ.AU	SLUDGES VALUE
0									
20.0	Casing					369	50-60	.05	
20.0	Andesite. Grayish green.					370	10-15	.04	
36.0	Considerable fracturing with tiny gray blue quartz and carbonate filling.					371	50-80	TR	
						372	80-90	TR	
						373	80-100	TR	
36.8	Komprephyra Dika. Prominent brown biotite phenocrysts.					374	100-110	TR	
67.5	Light fine py. & fcc throughout Section 400-434 contains 10% blue gray quartz in fractures with blab. pyrc.					375	110-120	TR	
						376	120-130	TR	
						377	130-140	TR	
						378	140-150	TR	
						379	150-160	TR	
						380	160-170	TR	
						381	170-180	TR	
67.5	Andesite. Light gray.					382	180-190	TR	
99.1	Altered. Fine schistosity at 90°. Blue gray quartz filling in small scattered fractures.					383	190-200	0.03	
99.1	Black Dika. Massive								
106.6	and fine grained.								
106.6	Continuation of Andesite								
128.0	as in 67.5-99.1] 117.0-118.6 0.01								
128.0	Brownish Black Dika.								
141.3	Massive and fine grained.								
141.3	Andesite. Grey-green.								
158.0	Few point areas bonding								
158.0	Black Dika. Fine grained								
161.6	and massive.								
161.6	Gray green chloritic tuff.								
177.4	Very andesitic appearance Only point areas bonding								

Continued on Sheet No. 2

AIKEN ROSETT RED LAKE MINES LTD.

Fig. 7

DIAMOND DRILL CORE LOG

POLAR CO-ORDINATES

Location

Section

LAT DEC

HOLE NO. 74-7

TOTAL DEPTH

ELEVATION

SHEET NO. 2 OF 2

ET RECOVERED

AZIMUTH

DIP

DATE BEGUN

RECOVERIES

MOR

VERIT

DATE BEGUN
DATE FINISHED

TO RECEIVE
SIZE BIT

AWPL

LOG BY

Arlett

DIAMOND DRILL CORE LOG

GEODETIC CO-ORDINATES

Location 53° 2' 18.747

Section

LAT 50° 50' 50 N DEP 72225.53' HOLE NO. 714-8 TOTAL DEPTH 153.15'
 ELEVATION 6,160.05' SHEET NO. 1 FT. RECOVERED
 AZIMUTH 814° 53' DIP 48° 10' DATE BEGUN January 31/74 % RECOVERY
 HOR VERT DATE FINISHED January 31/74 SIZE BIT 1 1/4"

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SAMP.NO.	FROM	OZ.AU	SLUDGES VALUE
0									
110.0	Casing					374	10.30	TR	
110.0	Andesite Gray-green					375	20.50	TR	
350	Tuffs, boulders & gravel					376	50.40	TR	
350	Green tuff & tuff - boulders					377	90.50	0.00	
710	at 75° Very little silt or sand					378	50.60	TR	
	350 38.0 65	70				379	60.70	TR	
	36.0 41.0 66	70				400	10.80	TR	
	41.0 44.0 64	70							
	44.0 47.0 68	70							
	47.0 50.0 60	0.01				201	60.90	TR	
	50.0 53.0 60	70							
	53.0 56.0 71	0.01				202	80.100	TR	
	56.0 59.0 72	0.01				203	10.40	TR	
	57.0 62.0 73	70							
	62.0 65.0 74	70							
	65.0 68.0 75	0.01				204	10.100	TR	
	68.0 71.0 76	0.01							
710	Brown Tuff highly silty sand					205	10.100	TR	
104.0	Light fine py chalcedony throughout								
	Many tiny, threadlike, irregular								
	gray blue quartz stringers								
	71.0 74.0 77	0.01							
	74.0 77.0 78	0.01							
	77.0 80.0 79	0.01							
	80.0 83.0 80	70							
	83.0 86.0 81	70							
	86.0 89.0 82	70							
	89.0 92.0 83	0.01							
	92.0 95.0 84	0.01							
	95.0 98.0 85	0.01							
	98.0 101.0 86	70							
	101.0 104.0 87	0.01							
200									
109.0	Gray block porphyry 37ka								
109.0	Contacts at 90° to core								
109.0	Andesite Dark greenish								
133.0	block. Slight traces								
	boulders from 109.0-110.0								
133.0	End of hole								

NIGAR A MINE & C. LTD.
MANITOBALAKE GOLD MINING LTD.

DIAMOND DRILL CORE LOG

CORNER CO-ORDINATES

LAT $51^{\circ}30'10''N$ DEP $93^{\circ}07'45''E$ HOLE NO. 751-9
 ELEVATION 4,192.8 FT SHEET NO. 1
 AZIMUTH $219^{\circ}10'$ DIP $\pm 50^{\circ}10'$ DATE BEGUN January 25/74 % RECOVERY
 HOR. VERT DATE FINISHED " 30/1/74 SIZE BIT 6"8

No. 3 Zone

Location 1326 12127

Section

TOTAL DEPTH 160 FT

FT. RECOVERED

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
0								
8.0	Casing							
8.0	Andesite. Occasional py.					206	80-30	TR
23.7	Painit trace of banding					207	50-40	TR
23.7	Brown chloritic Tuff					208	40-50	0.10
28.0	Precipitate banding at 70° to 90°					209	50-60	TR
	Few short sections sheet					210	40-70	0.03
	Traces sil. & py	88	TC.			211	10-80	TR
	8.0 - 20.0	89	TC.			212	80-90	0.05
	20.0 - 32.0	90	TC.			213	90-100	TR
	32.0 - 36.0	91	TC.			214	100-110	TR
	36.0 - 37.0	92	TC.			215	110-120	TR
	37.0 - 42.0	93	TC.			216	120-130	TR
	42.0 - 45.0	94	TC.					
	45.0 - 48.0	95	TC.					
	48.0 - 51.0	96	0.02					
	51.0 - 54.0	97	0.01					
	54.0 - 57.0	98	0.01					
	57.0 - 60.0	99	0.01					
	60.0 - 63.0	100	TC.					
	63.0 - 66.0	101	TC.					
	66.0 - 67.0	102	0.01					
	67.0 - 72.0	103	0.01					
	72.0 - 73.0	104	TC.					
	73.0 - 78.0	105	TC.					
	78.0 - 78.0	106	TC.					
78.0	Brown Tuff. Highly silicified							
92.0	With light fine py & pyrite disseminated throughout rock							
	disseminated throughout rock							
	Thread-like quartz stringers							
	80.0 - 81.0	107	0.01					
	81.0 - 84.0	108	TC.					
	84.0 - 85.0	109	0.01					
	87.0 - 90.0	110	TC.					
	90.0 - 92.0	111	TC.					
92.0	Brown chl. Tuff							
127.0	Fine brownish leucite - 50% leucite							
	light py disseminated throughout							
	92.0 - 95.0	116	TC.					
	95.0 - 98.0	117	0.01					
	98.0 - 101.0	118	0.02					
	101.0 - 104.0	119	TC.					
	104.0 - 107.0	120	0.01					
	107.0 - 110.0	121	0.01					
	110.0 - 113.0	122	TC.					
	113.0 - 116.0	123	TC.					
	116.0 - 119.0	124	0.02					
	119.0 - 120.0	125	0.02					
	120.0 - 124.0	126	0.01					
	124.0 - 127.0	127	TC.					
	127.0 - 131.0	128	TC.					
130.0	Andesite							
130	End of Hole							

MAGNETIC ROSSER A.D.L. MINES LTD.
MAGNETIC LAKE COMPANY LTD.

DIAMOND DRILL CORE LOG

No 3 Zone

CORNER CO-ORDINATES

LAT $51^{\circ} 27' .70''$ N DEP $122^{\circ} 40' .6''$ E HOLE NO. 24-10 Section 128-11
 ELEVATION $4301.50'$ SHEET NO. 1 TOTAL DEPTH 128-11
 AZIMUTH $212^{\circ} 31'$ DIP $-30^{\circ} 10'$ DATE BEGUN Jan 26/74 FT. RECOVERED
 HOR. VERT DATE FINISHED Jan 26/74 % RECOVERY
 SIZE BIT 1/2"

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
0								
14.0	Casing					217	20.30	TR
14.0	Gray-green tephritic Tuff.					218	5.40	02
75.0	Faintly banded at 75° to core. Tecoc-py & sil. 10-20% pyrite sections	422	0.01			219	10.50	01
		423	0.01			220	5.50	TR
		421	0.01			221	6.00	TR
		422	0.01			222	4.00	TR
		423	0.01			223	6.0	TR
		424	0.01			224	20.00	04
		225	10.00			225	10.00	TR
		226	10.00			226	10.00	04
		227						
75.0	Brown Tuff. Fine biotite, & pyrite disseminated throughout. Light silicification. Fossils scattered, thread like, thin Stringers quartz in places.	425	0.01					
		426	0.01					
		427	0.01					
		428	0.01					
		429	0.01					
		430	0.01					
		431	0.01					
		432	0.01					
		433	0.01					
		434	0.01					
		435	0.01					
		436	0.01					
		437	0.01					
		438	0.01					
		439	0.01					
		440	0.01					
		441	0.01					
		442	0.01					
		443	0.01					
		444	0.01					
		445	0.01					
		446	0.01					
		447	0.02					
		448	0.02					
		449	0.01					
112.2	Brown Tuff.	449	0.01					
112.2	Poorly banded, Anodistic gneiss							
112.2		450	0.01					
126.0	Anodistic, 10% iron rims, and amygdalites showing							
128.	End of Hole							
ANPL								

LOG BY

Gardner

Nine o'clock AM, 1936, Pacific time
KODIAK OFFICE COMPANY LIMITED.

DIAMOND DRILL CORE LOG

No 5 Core

LAR CO-ORDINATES

Location 184° 12' 27"

Section

138° 17'

LAT 51° 51' 01" N DEP 422.5' H.D. HOLE NO. 784-11

TOTAL DEPTH

138.17

ELEVATION 720.50 ft sea level SHEET NO. 1

FT. RECOVERED

AZIMUTH 237° 43' DIP 42° 40' DATE BEGUN February 27/36

% RECOVERY

HOR. VERT DATE FINISHED January 31/36

SIZE BIT 6"

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SAMP.NO.	SLUDGES	FROM	OZ.AU	VALUE
0	Coring									
14.0	Gray-green Chertose Tuff									
30.8	Andesitic approach & wall soft joint traces banding. Section 25° N to 28° N with located with 10% gray green and brown py. 287 - 30.5 451 70.					237	10.20	0.12		
30.8	Andesitic & py. 60% fine ground					238	40.50	TR		
37.4	massive					239	30.40	TR		
37.4	Green Chertose Tuff					240	40.30	TR		
81.0	Banding at 35° to core Very little min. or silt					255	30.10	TR		
	61.5 - 61.5 452 70.					256	100.00	TR		
	64.5 - 66.5 453 70.					257	100.00	TR		
	66.0 - 68.7 454 70.					258	130.00	TR		
	68.7 - 71.7 455 70.					259	130.00	TR		
	71.7 - 74.1 456 70.									
	74.1 - 77.1 457 70.									
	77.7 - 81.0 458 70.									
81.0	Greenish Diatom Tuff									
90.0	slight siltification and sparous fine py throughout									
	81.0 - 84.0 459 0.01									
	84.0 - 87.0 460 70.									
	87.0 - 90.0 461 70.									
90.0	Green Chertose Tuff									
138.0	Very little min. or silt									
	90.0 - 95.0 462 70.									
	95.0 - 100.0 463 70.									
	100.0 - 105.0 464 70.									
	105.0 - 110.0 465 0.01									
	110.0 - 115.0 466 0.01									
	115.0 - 120.0 467 70.									
	120.0 - 125.0 468 70.									
	125.0 - 130.0 469 70.									
	130.0 - 138.0 470 70.									
138.0	End of 110.0.									

MACKENZIE & REDLAKE GOLD MINING LTD.

74-18

DIAMOND DRILL CORE LOG

CORAR CO-ORDINATES

LAT 55°18'55" N DEP 4480.00 ft HOLE NO. 74-121
 ELEVATION 1105.00 SHEET NO. 1 of 2 FT. RECOVERED
 AZIMUTH 244°44' DIP 718°58' DATE BEGUN January 28/1946 % RECOVERY
 HOR. VERY DATE FINISHED January 30/1946 SIZE BIT 1 1/8

No. 5 Zone

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
0								
43.0	Casing					240	52	cc
43.0	Russell Limestone Rock					241	00	Tr
167.0	Coarse granular with white chert nodules. Very fine-grained 1310 lbs gross green jasperite Secton 2000-2100 m					242	11	00
	60% best core. Poor zone?					243	00	90
167.0	Andesitic Grey-green					244	80	100
175.0	Fine granular and massive					245	00	100
175.0	Kampeophyllite 1310 lbs					246	00	100
177.0	Black, medium grained					247	00	100
177.0	Centration of Andesite					248	00	100
236.0	as in 167.0 - 175.0					249	00	100
236.0	Green chloritic Tuff					250	00	100
247.0	No sedimentation, no core					251	00	100
	247.0 248.0 470 TC					252	00	100
	247.0 248.0 471 TC					253	00	100
247.0	Brownish green Tuff					254	00	100
261.0	Chloritic and Biotite interbedded Very light sedimentation in places, and sparse fine py.					255	00	100
	261.0					256	00	100
	Very few, tiny, garnets 3.00 gms					257	00	100
	261.0 262.0 472 TC					258	00	100
	261.0 262.0 473 TC					259	00	100
	263.0 263.0 474 TC					260	00	100
	263.0 264.0 475 TC					261	00	100
261.0	Green chloritic Tuff					262	00	100
270.0	Only faint traces banding in places. Many 1.00 to mm. on set					263	00	100

Continued Sheet No. 2
LOG BY *anett*

AIRTEL ASSET R&C MINES LTD.
MONZONIC-PLATINIC GOLD MINES LTD.

74-12

Page 2

DIAMOND DRILL CORE LOG

CAR CO-ORDINATES

Location

Section

LAT REP

HOLE NO. 74-12

TOTAL DEPTH

ELEVATION

SHEET NO. 2 of 3

TOUR DE FRANCE
ET RECOVERED

ELEVATION
AZIMUTH

DIB

SHEET NO. DATE BEGUN

PT. RECOVERY

AZ
112

- 1 -

DATE BEGUN _____

70 RECOV

AIKEN RUSSET RED LAKE MINES LIMITED
YUKON RIVER GOLD & LEAD MINES LTD.

DIAMOND DRILL CORE LOG

POLAR CO-ORDINATES

W 5266.13N DE

EL ELEVATION 145 FT O.D.

ELEVATION 3,163 FT MSL
AZIMUTH 216° 50'

1125 1150

Location

E HOLE NO

No. 3 Zone

KBL 12728

Section

TOTAL DEPTH

359

FT. RECOVERED.

RECOVERY

SIZE BIT

Digitized by srujanika@gmail.com

UDG

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
0	64.0 - Gacing							
64.0	Russet Lake Talc Rock. Talcose, highly altered. Blobs Jadeite. Section 99.5' to 124.0' is less talcose. Black Gabbroic, med. grained, stals blurred, jet black massive stals in dark greyish matrix. Talcose alteration increasing after 241 feet. Few tiny Qtz.Stringers 207.5 -					272	70	80° Tr
206.2						273	80-	90 "
						274	90-100	"
						275	100-110	"
						276	110-120	"
						277	120-130	"
						278	130-140	"
						279	140-150	"
						280	150-160	"
						281	160-170	"
						282	170-180	"
						283	180-190	"
266.2	Andesite. Grey green, chloritic, fine grained.					284	190-200	"
295.7	Few Qtz Carb.Strgs. 270.0-273.8	485	Tr.			285	200-210	"
295.7	Green Chloritic Tuff. Poorly banded. Very little silicification or mineral.					286	210-220	"
324.7	318.5-322.0	486	0.01			287	220-230	"
	322.0-324.7	487	0.01			288	230-240	"
						289	240-250	"
						290	250-260	"
						291	260-270	"
						292	270-280	"
324.7	Brown Tuff. Biotitic, and highly silicified in places. Light fine pyrite diss. throughout.					293	280-290	"
338.0	Sil. Tuff 324.7-328.4	488	nil			294	290-300	"
	93% Blue Quartz 328.4-331.8	489	0.01			295	300-310	"
	Sil. Tuff 331.8-333.1	490	Tr.			296	310-320	"
	80% Blue Quartz 333.1-335.7	491	Tr.			297	320-330	"
	Sil. Tuff 335.7-338.0	492	Tr.			298	330-340	"
						299	340-350	0.03
338.0	Greenish brown Chloritic Tuff. Trace sil. & py. in places.							
359.0	338.0-341.0	493	Tr.					
	341.0-344.0	494	Tr.					
	344.0-347.0	495	nil					
	347.0-350.0	496	nil					
	350.0-353.0	497	0.01					
	353.0-356.0	498	Tr.					
	356.0-359.0	499	0.01					
359.0	End of Hole.							

AIKEN RUSSET RED LAKE MINES LIMITED
Y C A S U S O X M X X E I X X X X X G O O X X X M Y X X X M X

DIAMOND DRILL CORE LOG

No. 3 Zone

CORNER CO-ORDINATES
LAT 52°49.64' N DEP 4309.09 E HOLE NO. 74-14
ELEVATION 1,6 Ft above Lake Level SHEET NO. 1 of 2
AZIMUTH 211°01' DIP 47° DATE BEGUN February 1/74
HOR. VERT DATE FINISHED February 2/74

Section
TOTAL DEPTH 280 Ft.
FT. RECOVERED
% RECOVERY
SIZE BIT AQ

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP. NO.	FROM	OZ.AU
0								
17.0	Cooling							
17.0	Russet Lake Talc Rock.					102	20-	30
32.3						103	30-	40
32.3	Lamprophyre Dyke. Fine grained, massive, and jet black.					104	40-	50
34.6						105	50-	60
34.6	Andesite. Grey black, massive. Occasional trace of bedding, in tuffaceous streaks.					106	60-	70
68.7	Green Chloritic Tuff. Banding variable at 60° to 45°.					107	70-	80
68.7	Very little sil. or min.					108	80-	90
94.4	Green and Brown Tuff. Interbands of chloritic and biotitic material.					109	90-	100
94.4	Very little sil. or min.					110	100-	110
94.4	30% Qtz-Carb. 94.4 - 97.2	804	Tr			111	110-	120
97.2						112	120-	130
97.2	77.0 - 79.0	802	Tr			113	130-	140
98.6	Lamprophyre Dyke. Contacts at 90° to core.					No Sample	140-	150
98.6	81.0 - 83.0	803	Tr			114	150-	160
98.6						115	160-	170
111.0	Green and Brown Tuff. Interbands chloritic and carbonate, and biotitic material. Very little sil. or min. except for 101.1 ft. to 103.2 ft., which section is 70% blue grey, replacement quartz.					116	170-	180
111.0	Carb., 10% Qtz. 98.6 - 101.1	805	Tr			117	180-	190
111.0	70% Quartz. 101.1 - 103.2	806	Tr			118	190-	200
111.0	Carbonated 103.2 - 106.0	807	"			119	200-	210
111.0	" 106.0 - 108.5	808	"			120	210-	220
111.0	" 108.5 - 111.0	809	0.01			121	220-	230
143.4	Green chloritic Tuff. Very andesitic appearance, except for traces of banding in places. No sil. or Min.					122	230-	240
143.4	Shear & minor qtz 141.7 - 143.4	811	0.01			123	240-	250
143.4						124	250-	260
147.0	Dark green Tuff. Slight shear. Traces silicification, 2% py in blobs, traces pyrr.					125	260-	270
147.0	143.4 - 147.0	812	0.01			126	270-	280
167.2	Dark green chloritic Tuff. Only traces of banding in places. Slight sil. & min. in sampled sections.							

Continued on sheet No. 2 LOG BY

ATKEN BUSSET RED LAKE MINES LIMITED

DIAMOND DRILL CORE LOG

DDH 74-14

GEODEMIC CO-ORDINATES

LAT DEP
ELEVATION
AZIMUTH DIP
HOR. VERT

Location

HOLE NO. 74-14
SHEET NO. 2 OF 2
DATE BEGUN
DATE FINISHED

Section

TOTAL DEPTH
FT. RECOVERED
% RECOVERY
SIZE BIT

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
167.0	Continued from page 1.							
167.2	5% Qtz. 1% Py	147.0-150.7	813	0.01				
	Trace py.	150.7-153.5	814	0.03				
	2% Qtz. trace py.	153.5-157.0	815	Tr				
	Trace py.	157.0-160.0	816	0.02				
	1% Qtz. trace py.	160.0-163.0	817	Tr				
	Trace sil.	163.0-167.2	818	Tr				
167.2	Green and Brown Tuff. Wall sil.							
173.5	In places. Traces py.					C.		
	Trace py & sil	167.2-171.7	819	Tr				
	Sil. & light py	171.7-173.5	820	Nil				
173.5	Brown Folddspar Porphyry Dyke.							
177.0	Sheared & sericitic. Trace py.	173.5-177.0	821	0.02				
177.0	Brownish green Tuff. Light sil.							
183.6	In places, and traces py.	177.0-180.0	822	6.10				
		180.0-183.6	823	0.02				
183.6	Dark green Tuff. Only traces of slate banding in places. Slight					C.		
226.3	sil. & py in sampled sections.							
	Minor Qtz & py	209.5-211.2	824	Nil				
	5% blue Qtz.	214.2-216.7	825	Tr				
	Slight sil.	222.2-224.9	826	0.02				
	2% Qtz. trace py	227.5-229.7	827	0.01				
	Light sil.	244.7-247.0	828	0.02				
	Slight sil.	249.5-252.4	829	Tr				
	Slight sil.	252.4-254.2	830	Tr				
256.3	Brown blotitic Tuff. Very little							
263.1	sil or min.	256.3-260.1	834	17.15				
		260.1-263.1	831	0.03				
263.1	Blue gray, barren Quartz Vein.							
265.6	Trace py in wall rock. Core angle 35°.	263.1-265.6	832	0.02				
265.6	Park greenish black chloritic							
280.0	Tuff.					C.		
	Very light py.	278.0-280.0	833	0.01				
280.0	End of Hole							

AIKEN-RUSSET RED LAKE MINES LIMITED
XXV XIX XXI XXII XXIII XXIV XXV XXVI

DIAMOND DRILL CORE LOG

DDH 74-15

GEAR CO-ORDINATES

LAT 45° 54' 22" N DEP 5291.33 E HOLE NO. 74-15
 ELEVATION 1,500' above Lake Level SHEET NO. 1
 AZIMUTH 292° 29' DIP 61° 50' DATE BEGUN February 10/74
 HOR. VERT. 12° 50' DATE FINISHED February 14/74

Section

TOTAL DEPTH 951
 FT. RECOVERED
 % RECOVERY
 SIZE BIT AQ

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES
		SAMP.NO.	FROM	OZ.AU	VALUE	
0	Casing.					
28.0	Russet Lake Talc Rock.					
44.5	Black Lamprophyre Dike. Black fine grained, fairly siliceous.					
47.0	Russet Lake Talc Rock. Talcose and carbonated throughout. Light grey with considerable breccia in places. Few seams with hematite filling. Decrease in alteration, and becoming more gabbroic after 95.5 ft.					
129.0	Black Dike. Very fine grained. Traces disseminated py in places.					
133.5	Black, altered Gabbro. Jet black raffic minerals in greyish chloritic material. Crystals blurred. Slightly talcose. Section 133.5 to 137.0 is bleached to greyish green.					
139.5	Talcose Breccia. Light green endesitic fragments in dark chloritic material.					
170.0	Russet Lake Talc Rock. Mottled, jet black and grey. Talcose alteration throughout, but more intense from 202.5 to 214.0					
222.5	Continuation of Russet Lake Talc Rock. Finer grained than previous, and decreasing talc.					
240.5	Black, altered Gabbro. Medium grained, xtals blurred. Talcose.					
366.0	Continuation of previous altered gabbro. More alteration and talc. Xtals obliterated. Traces hematite in seams and small blcbs.					
439.0	Russet Lake Talc Rock. Fine grained, talcose, greenish grey, with numerous fine striations. Continued on page 2.					
454.6						

AIKEN-BUSSET RED LAKE MINES LIMITED
XXVII
DIAMOND DRILL CORE LOG

DDII 74-15
Page 2

CARTAR CO-ORDINATES

LAT DEP
ELEVATION
AZIMUTH DIP
HOR. VERT

Location

HOLE NO. 74-15
SHEET NO. 2
DATE BEGUN
DATE FINISHED

Section

TOTAL DEPTH
FT. RECOVERED
% RECOVERY
SIZE BIT

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
439.0	Continued. Striations form small parallel groups, which intersect other groups at different direction.							
454.6	Russet Lake Talc Rock. Greyish black, medium grained, xtals blurred, talcose, with blobs Jadeite. 478.5 to 481.2 is 80% ground coro.							
454.6								
478.5								
478.5	Grey blue, hard, fine grained porphyry dike.							
481.2								
481.2	Russet Lake Talc Rock. Medium grained, xtals blurred, gabbroic, talcose, with blobs Jadeite. Brecciated in places.							
497.0								
505.4	Russet Lake Talc Rock. Light greenish grey, slight talc, andesitic appearance. grades into previous.							
505.4								
506.0	Russet Lake Talc Rock. Similar to section 481.2 to 497.0							
516.0								
572.0	Andesite. Dark greenish grey, fine grained, talcose. Contacts gradational.							
572.0								
580.3	Russet Lake Talc Rock. Gabbroic, with blobs Jadeite.							
580.3								
607.0	Russet Lake Talc Rock. Similar to previous but finer grained.							
616.0								
616.0	Russet Lake Talc Rock. Light greenish grey, considerable breccia, with blobs Jadeite.							
616.0								
678.3	Altered Gabbro. Course grained, xtals blurred & obliterated. Black except for bleached sections.							
678.3								
685.0	Jadeite.							
685.0								
746.0	Altered Andesite. Light grey green, bleached, slightly talcose.							
746.0								
746.0	Altered Gabbro. Black, med grain, xtals obliterated, slight talc.							
746.0								

Continued on Page 3

AIKEN-RUSSET RED LAKE MINES LIMITED
DIAMOND DRILL CORE LOG

DDH 74-15
Page 3

AIKEN RUSSET RED LAKE MINES LIMITED

DIAMOND DRILL CORE LOG

DDII 74-16

COLLAR CO-ORDINATES

LAT 55° 51' 34" N DEP 4302' 50" E HOLE NO. Y4-26
 ELEVATION 2250 ft above lake SHEET NO. 1
 AZIMUTH 225° 09' DIP -49° 46' DATE BEGUN February 8/74
 HOR. VERT DATE FINISHED February 9/74

No. 3 Zone

KBL 19238

Section

TOTAL DEPTH 250 Ft.
 FT. RECOVERED
 % RECOVERY
 SIZE BIT AQ

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
0 34.0	Casing							
34.0 142.5	Russet Jcke Talc Rock. Light greyish green, mottled, and streaked with greyish white talcose and carbonate blobs. Scattered blebs feldite (actinolite) Section 45.0 to 75.0 is fairly schistose.					All sludge sample assayed trace of cu.		
139.3-142.5	Few tiny quartz carbonate stringers	845						
142.5 229.8	Lamprophyre Dike. Brownish black, massive, with biotite phenocrysts. Fresh unaltered appearance. Sparse fine pyrr & py disseminated in places.							
180.0-183.0 214.0-217.0 225.0-229.8	Sparce pyrr & py	836 837 838	74 " " "	"				
229.8 232.5	Green chloritic Tuff. Banding contorted. Slight shear. Very little min. or sil.	229.8-232.5	839	"				
232.5 250.0	Lamprophyre Dike. Similar to section described in 142.5 to 229.8.							
250.0	End of Hole.							

AIKEN RUSSET RED LAKE MINES LIMITED
A KENZIKXREKKAKKEXXGOKDXMAMXXXXXX

DDH 74-82

DIAMOND DRILL CORE LOG

COLLAR CO-ORDINATES

LAT 57°17'09" N DEP 4051.72 E HOLE NO. 74-18

ELEVATION 69 Ft. above Lake Level No. 1

AZIMUTH 225° 11' DIP -50° 12' DATE BEGAN February 9/74

HOR. VERT DATE FINISHED February 10/74

No. 8 Zone

Location KRL 19238

Section

274 Ft.

TOTAL DEPTH

FT. RECOVERED

% RECOVERY

SIZE BIT 4Q

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU	VALUE	AVGS	SLUDGES			
			PER TON	PER TON		SAMP. NO.	FROM	OZ. AU	
0	15.0 Gossing					904	20-	30	0.04
15.0	Iamprophyre Dyke. Brownish black,					905	30-	40	0.03
63.9	massive, red. grained. With few biotite phenocrysts. Fine py. & pyrr. disse. in places.					906	40-	50	0.02
63.9	Qtz. Stringer 27.2 - 27.8	840				907	50-	60	Tr
63.9	1% pyrr. 29.8 - 31.7	841				908	60-	70	0.04
66.6	Greenish chloritic Tuff. 20% barren, blue quartz strgrs.					909	70-	80	Tr
66.6	63.9 - 66.6 842					910	80-	90	0.01
70.1	Iamprophyre Dyke. Similar to section 15.0 - 63.9					911	90-100		0.01
70.1	Dark greenish chloritic Tuff.					912	100-110		Tr
94.6	Faint banding at 80°.					913	110-120		Tr
94.6	10% barren quartz 71.0 - 73.0 843					914	120-130		Tr
94.6	Iamprophyre Dyke. Brownish black,					915	130-140		Tr
125.1	225.1 massive, with prominent biotite phenocrysts.					916	140-150		Tr
125.1	Barren Qtz. along core.					917	150-160		Tr
125.1	104.7 - 106.2 844					918	160-170		Tr
125.1	Dark greenish grey chloritic Tuff.					919	170-180		Tr
156.0	156.0 Andesitic appearance except for few traces faint banding.					920	180-190		0.02
156.0	156.0 Green & Brown Tuff. Interbands chloritic, carbonated, and					921	190-200		Tr
156.0	biotitic material. lightly sil. in places, traces py.					922	200-210		Tr
156.0	156.0 - 157.4 845					923	210-220		0.04
156.0	157.4 - 159.0 846					924	220-230		0.03
156.0	159.0 - 160.8 847					925	230-240		0.01
160.8	Iamprophyre Dike. Greenish brown,					926	240-250		Tr
177.4	massive, & fine grained.					927	250-260		Tr
177.4	Greenish grey chloritic Tuff.					928	260-270		Tr
199.0	199.0 Only faint traces of banding.								
216.0	216.0 Greenish brown Tuff. Very well silicified in places. Many blebs bluish-grey quartz. Very little fine py in places.								

continued on page 2

AIKEN RUSSET RED LAKE MINES LIMITED

DIAMOND DRILL CORE LOG

DDH 74-17
Page 2

GEODETIC CO-ORDINATES

LAT _____
ELEVATION _____
AZIMUTH _____
HOR. VERT _____

Location _____

HOLE NO. 74-17
SHEET NO. 2
DATE BEGUN _____
DATE FINISHED _____

Section _____

TOTAL DEPTH _____
FT. RECOVERED _____
% RECOVERY _____
SIZE BIT _____

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES
		SAMP.NO.	FROM	OZ.AU	VALUE	
199.0	Continued from page 1.					
216.0	Sparce sil & min	199.0-202.0	848			
	5% qtz Sparse py	202.0-204.5	849			
	60% qtz "	204.5-207.0	850			
	30% qtz "	207.0-210.0	851			
	10% qtz "	210.0-213.0	852			
	5% qtz "	213.0-216.0	853			
216.0	Greenish chloritic Tuff, with some brownish biotitic phases. Very light silicification in places, and very light (less than $\frac{1}{2}\%$) fine py.	216.0-219.0	854			
		219.0-222.0	855			
		222.0-225.0	856			
		225.0-228.0	857			
		228.0-231.0	858			
		231.0-234.0	859			
		234.0-237.0	860			
		237.0-240.0	861			
		240.0-243.0	862			
		243.0-246.7	863			
		246.7-250.2	864			
251.8	Black Dike. Fine grained, massive, chloritic.					
255.6	Brown Tuff. Lightly silicified, and traces py in places. 5% bluish quartz in plumes of fine (1/8") stringers. 255.6-257.4	865				
257.4	Green chloritic Tuff.					
264.2	4" qtz carbonate	262.0-264.2	866			
264.2	Andesite. fine grained, massive.					
274.0	End of Hole.					

ATKEN BUSSET RED LAKE MINES LIMITED

DIAMOND DRILL CORE LOG

DDN 74-10

COLLAR CO-ORDINATES Location KRL 12022
 LAT 32° 00' E 62° 13' DEP 3995 ± 62' HOLE NO. 714-28 Section
 ELEVATION 1630 ft. above Lake SHEET NO.
 AZIMUTH 270° 15' DIP ± 50° 12' DATE BEGUN February 12/74
 HOR. VERT DATE FINISHED February 15/74 % RECOVERY
 SIZE BIT 10

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
0	15.0 Casing							
15.0								
23.0	Indigo Lake Talc Rock. Slightly schistose at 60° to core. Streaked & mottled light grey & black. Much talc & carbonate alterations.					929	20- 30	0.02
23.0						931	40- 50	trace
23.0						932	60- 70	"
23.0						933	80- 90	"
23.0						934	100- 110	"
23.0						935	120- 130	"
23.0						936	140- 150	"
23.0						937	160- 170	"
29.5	Andesite Dike. Dark greenish brown with biotite phonocrysts.					938	180- 190	"
29.5	Andesite. Dark green. 29.5°-32.8°					939	200- 210	"
30.2	and slightly schistose at 70°.	892	.01			940	120- 130	"
30.2	Andesite. Light grey, mainly					941	140- 150	"
101.8	residuo, except for section 93.0 to 101.8 which section is slightly schistose at 70°. Considerable talc alteration from 38.2 to 59.0, and decreasing towards 70.0.	99.8-101.8	893	Tr		942	150- 160	"
101.8						943	160- 170	"
101.8						944	170- 180	"
101.8						945	180- 190	"
101.8						946	190- 200	"
209.6	Andesite. Dark green, mainly residuo, except for trace of schistosity 194.0 to 196.0. Occasional narrow, faint trace of fuscoaceous material 188-209.6					6207	200-210	"
209.6	Crustal chloritic tuff with occasional brown biotite interbands. Traces					6208	210-220	"
209.6	pyro, disseminated py in places.					6209	220-230	"
209.6	Light all trace py	226.1-228.5	894	.01		6201	220-230	0.05
209.6	" " "	228.5-232.0	895	.02		6202	240-250	trace
209.6	" " "	232.0-235.0	896	Tr		6203	250-260	"
209.6	" " "	235.0-238.5	897	Tr		6204	260-270	"
209.6	" " "	238.5-242.0	898	Tr		6205	270-280	"
209.6	" " "	242.0-245.0	899	Tr		6206	280-290	"
209.6	" " "	245.0-248.0	900	.01		6207	290-300	"
209.6	" " "	248.0-250.0	6001	Tr		6208	300-310	"
209.6	" " "	250.0-253.7	6002	Tr		6210	320-330	0.02
209.6	" " "	253.7-257.0	6003	Tr		6211	330-340	trace
209.6	Mica-gtz Blobs pyrr	275.8-278.0	6004	.01		6212	340-350	"
209.6	Slight oil & min	278.8-281.1	6005	Tr				
209.6	Blobs gtz Blobs pyrr	281.1-283.1	6006	.01				
209.6	Slight oil & py	283.1-285.1	6007	.01				
285.1	Dark green Andesite. Massive, very little fracturing. Section 322.1 to 324.3 is schistose with 8° blue quartz vein at 60° to core.							
317.0	Light py in gtz, streaks heavy py in wall rock.	322.1-324.3	867	0.06				

continued on page 2

AIKEN RUSSET RED LAKE MINES LIMITED
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DDN 74-18
Page 2

DIAMOND DRILL CORE LOG

COLLAR CO-ORDINATES

LAT DEP
ELEVATION
AZIMUTH DIP
HOR. VERT

Location

HOLE NO. 74-10
SHEET NO. 202-3
DATE BEGUN
DATE FINISHED

Section

TOTAL DEPTH
FT. RECOVERED
% RECOVERY
SIZE BIT

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES			
						SAMP.NO.	FROM	OZ AU	VALUE
285.1 317.0	Continued from page 1.					6213	350-360	0.04	
	10% blue grey qtz ctgns. Fcu blobs					6214	360-370	0.02	
	pyrr & py	310.2-312.6	868	0.02		6215	370-380	0.03	
						6216	380-390	Traces	
347.0 522.0	Continuation of previous Andesite, with occasional small streaks tuffaceous material, especially in section 347.0 to 368.1 Vol. 11 tuff with 1% pyrr & py	350.0-352.4	6028	.01		6217	320-330	"	
	10% qtz in sil. Tuff					6218	400-410	"	
	Pyrr & py	367.0-368.1	6029	.02		6219	410-420	"	
	53 qtz carb at 600°					6220	420-430	"	
	5 pieces pyrr & py	374.6-377.4	6030	.02		6221	430-440	"	
	1% blue qtz strgr O 400					6222	440-450	"	
	Light pyrr, py, chalco 383.5-384.1	6068				6223	450-460	"	
	12% blue qtz strgr O 400					6224	460-470	"	
	5% pyrr & py	385.4-386.6	6069			6225	470-480	"	
	1% blue qtz blobs.					6226	480-490	0.02	
	Light pyrr, py, chalco 388.3-391.8	6070				6227	490-500	Traces	
	6% blue qtz vein O 550°					6228	500-510	"	
	3% pyrr & py	406.6-407.7	6071			6229	510-520	"	
	1mm qtz vein O 35° + 58.0-459.1	6072				No sample	520-530		
	Pyrr & py	422.2-493.2	6084			6232	530-550	Traces	
512.0 518.0	Light grey Tuff. Banding at 70° to core. Few traces of min., except for occasional blob pyrr, py, & chalco.	6085				6233	550-560	"	
	few blobs pyrr, py, & chalco	512.5-513.5	6086			6234	560-570	"	
518.0 614.0	Andesite. Dark green, very little fracturing. Occasional tiny streaks & blob pyrr & py. Slight shear 591.0-596.0 few blobs pyrr, py					6235	570-580	"	
	In schist	593.2-596.0	6087			6236	580-590	"	
614.0 618.0	Green chloritic schist O 350° to core,					6237	590-600	"	
618.0 623.0	Black Dillo. Fine grained, massive.								
623.0 630.5	Continuation of green chloritic schist O 350° to core.								
630.5 666.3	Slightly echistose Andesite. continued on page 3								

A.W.

LOG BY

AIKEN RUSSET RED LAKE MINES LIMITED

DIAMOND DRILL CORE LOG

DDR 74-18
Page 3

COLOUR CO-ORDINATES

Location

Section

LAT _____
ELEVATION _____
AZIMUTH _____
HOR.

DEP

HOLE NO

74-18

TOTAL DEPTH

ET RECOVERED

PI. RECOVERED

70 RECOVERY

SIZE BIT

AIKEN-RUSSET RED LAKE MINES LIMITED
RED LAKE ONTARIO CANADA

DIAMOND DRILL CORE LOG

CO-ORDINATES

LAT ~~42°28'07" N~~ DEP ~~91°50'47" E~~ HOLE NO. 74-19

ELEVATION ~~2032 ft above lake~~ SHEET NO. 1

AZIMUTH ~~233°50'~~ DIP ~~50°45'~~ DATE BEGUN February 16/74

HOR. VERT DATE FINISHED February 17/74

No. 3 Zone

Location KEL 12722

Section

TOTAL DEPTH 298 FT.

FT. RECOVERED

% RECOVERY

SIZE BIT 10

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
0	11.0 - Coring							
11.0	Light grey, altered Andesite.							
37.0	Talcoc & carbonate alteration throughout.							
37.0	Muchly sheared Andesite. Dark							
50.5	green to black, with much talc. Shearing at 80° to core.							
50.5	Andesite. Grey blue, massive.							
58.2						All sludges reported		
59.0	Leimrophyre Dike. Brown, biotitic.					as required	750cc	
59.0	Tuffaceous.							
59.9	Andesite. Dark green, massive.							
76.5								
76.5	Leimrophyre Dike. Brown, massive.							
78.7								
78.7	Andesite. Dark green, massive.							
85.6								
85.6	Leimrophyre Dike. Brown, massive.							
88.0								
88.0	Andesite. Dark green, massive.							
118.4								
118.4	Dark green chloritic Tuff.							
139.1								
139.1	Very little sil or nin except in crenulated sections.							
	10% qtz carb. Tr py. 125.6-127.6	869	Tr					
	20% qtz carb. Tr py. 136.5-139.1	870	Tr					
139.1								
176.0	Andesite. Dark grey green, massive.							
176.0								
176.0	Green, chloritic Tuff.							
182.3								
182.3	Very little sil. or nin.							
182.3								
190.1								
190.1	Green and Brown Tuff. Traces silicification & fine py.							
	182.3-185.0	871	Tr					
	185.0-187.6	872	Tr					
	187.6-190.1	873	.01					
193.0	Brown Tuff. Fairly well sil. Carbonate streaks & blobs quartz.							
	continued							

Aiken-Russet Red Lake Mines Limited
DIAMOND DRILL CORE LOG

DDH 74-19
Page 2

CO- σ OR CO-ORDINATES

Location

Section

LAT ____ DEP ____
ELEVATION ____
AZIMUTH ____
HOR. ____ VERT ____

HOLE NO. 74-19
SHEET NO. 2
DATE BEGUN
DATE FINISHED

TOTAL DEPTH ____
FT. RECOVERED ____
% RECOVERY ____
SIZE DIT ____

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
190.0 193.0	Continued.	190.1-191.7 191.7-193.0	874 875	.05 Tr				
193.0 209.0	Mainly green chloritic Tuff. Few brown, biotitic interbands in places. Very little oil, or min., except as noted in sampled sections.	Treco sil. & py Treco sil. & py Treco sil. & py Treco sil. & py John sil. & py Good sil. light py.	193.8-195.7 195.2-199.0 199.0-202.0 202.0-204.5 204.5-207.3 207.3-209.0	876 877 878 879 880 881	Tr Tr Tr Tr Tr .01			
209.0 228.0	Green chloritic Tuff. Only faint traces of banding in places. Very little calcification or mineral except as noted in sampled sections.	Treco py. Felt sil. & carb. Treco py. Treco py. Light sil. & py. Light sil. Treco py Light sil. Blobs pyrrhotite 50% gta along coro	209.0-212.0 223.0-224.8 224.8-227.7 227.7-231.0 239.4-242.0 243.0-244.7 245.0-249.0 261.3-262.5	882 883 884 885 886 887 888 889	.01 .01 .02 .01 Tr .01 Tr .01			
228.0	End of Hole	Treco sil & py	279.7-283.5 283.5-287.0	890 891	.02 Tr			

AIKEN BUSSET RED LAKE MINES LIMITED
KARLZENZIEZREBZABREZGOIZZKUNESZDZED.

DDH 74-20

DIAMOND DRILL CORE LOG

CORNER CO-ORDINATES

LAT 5326.11 N DEP 4056.23 E

Location KRL 12722

Section

ELEVATION 1200 ft above sea

HOLE NO. 74-20

TOTAL DEPTH 492 ft.

AZIMUTH 236.055°

SHEET NO. 1

FT. RECOVERED

DIP -50°10'

DATE BEGUN February 17/74

% RECOVERY

HOR. VERT

DATE FINISHED February 19/74

SIZE BIT 10

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
13.0	Corings							
13.0	Andesite							
16.6	Ierprophyro Diko	6266	80-	80	tr			
17.9		6267	80-	80	0.01			
		6268	10-	50	tr			
17.9	Andesite. Occasional narrow streak tuffaceous material. Few scattered blobs pyrr.	6269	50-60	50	tr			
18.7	Ierprophyro Diko. Brownish, with ilotito-phonoorycts.	6270	60-	70	tr			
18.0		6271	70-	70	tr			
18.0		6272	80-	80	tr			
		6273	80-90	80	tr			
		6274	100-180	100	tr			
18.0	Andesite. Occasional narrow streak tuffaceous material and few tiny blobs pyrr in places.	6275	110-120	110	tr			
129.4	10% qtz carb stringrs. 48.0-50.6 6040	6276	120-160	130.2				
129.4	129.4-130.0 6041	6277	180-190	180	tr			
129.4	129.4-130.9 6042	6278	150-160	150	tr			
129.8	5% qtz carb in stringers.	6282	180-190	180	tr			
129.8	129.8-130.8 6043	6283	190-200	190	tr			
129.8	129.8-130.8 6044	6284	200-210	200	0.07			
130.0	Continuation of Andesite as	6285	210-220	210	0.01			
226.0	in section 48.0 to 129.4	6286	220-230	220	tr			
226.0	226.0-202.4 6045	6287	230-240	230	0.12			
226.0	Green chloritic Tuff. Few biotitic interbands. Banding at 60°	6288	240-250	240	0.01			
230.0	Tracea silification & py in placos. 80% blue grey quartz in section 221.3 to 222.0							
	226.0-219.0 6008 .01							
	221.3-222.0 6009 .01							
	222.0-224.0 6010 tr							
	227.0-230.0 6011 7r							
230.0	Brown Tuff. Fairly well sil throughout. Many tiny (1/16" to 1") quartz-carbonate stringers.							
244.3	Sparsely fine py & pyrr disseminated in many sections, very occasional small blob-py. Grey blue quartz with py & pyrr as noted in sampled sections. Cluster of 12 tiny specks VG in 4" qtz stringer at 239.4.							

continued

*V.G. not in sample
split core with 1/8" material.

ANPL

LOG BY

DIAMOND DRILL CORE LOG

DDN 74-20
Page 2

COLOUR CO-ORDINATES

Location

LAT DFP

HOLE NO.

71-20

ELEVATION

SHEET NO

TOTAL DEPTH

FT. RECOVERED.

AZIMUTH

DIP

DATE BEG

HOR.

— VERT

DATE FINI

SIZE BIT _____

% RECOVERY

SIZE BIT _____

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
230.0	Continued.	230.0-233.4	6012	0.10				
244.0	80% Grey quartz	233.4-235.6	6013					
		235.6-237.2	6014					
		237.2-239.2	6015					
	Jn strgrg. qtz. VG	239.2-239.8	6016					
		239.8-241.2	6017					
		241.2-244.3	6018					
244.3	From tuff. Very little quartz					6289	250-250	0.13
250.0	In stringers. Slight sil. & very recent fine disseminated py.					6290	260-270	Tr
		244.3-247.0	6019			6291	270-270	0.03
		247.0-250.0	6020			6292	280-290	Tr
250.0	Green chloritic Tuff, with few					6293	290-300	Tr
263.2	green biotitic interbands.					6294	300-310	Tr
	tracea sil. & py. in places.					6295	310-320	0.01
		250.0-253.0	6021			6296	320-330	Tr
		253.0-257.0	6022			6297	330-340	Tr
		257.0-260.0	6023			6298	340-350	Tr
		260.0-263.2	6024			6299	350-360	Tr
263.2	From Hornfels					6300	360-370	Tr
286.6	Park green chloritic tuff. Only					6301	370-380	Tr
332.7	Joint traces of bonding in places.					6302	380-390	Tr
	Four scattered qtz stringers.					6303	390-400	Tr
	Very little sil. or mtn mineralization							
	10% white quartz	311.9-315.0	6025					
	5% white quartz	315.0-318.0	6026					
	2% white quartz	330.0-332.7	6027					
332.7	Continuation of previous chloritic							
359.0	Tuff, with increase in quartz blobs							
	and coquints. Quartz in bluish							
	white & white, and mainly barren,							
	except for few tiny blobs pyrr & py							
		332.7-336.0	6031					
		336.0-339.0	6032					
		339.0-342.0	6033					
		342.0-344.0	6034					
		344.0-347.0	6035					
		347.0-350.0	6036					
		350.0-353.0	6037					
		353.0-356.0	6038					
		356.0-359.0	6039					
359.0	Green chloritic Tuff. Only faintly							
402.0	banded.							
402.0	End of Hole							

AIKEN-BUSSET RED LAKE MINES LIMITED

DIAMOND DRILL CORE LOG

DDH 71-21

COLLAR CO-ORDINATES

LAT 52°01'.45" N DEP 4380.72' E HOLE NO. 71-21
 ELEVATION 3,500 ft above Lake Level SHEET NO. 9
 AZIMUTH 214°45' DIP -50°20' DATE BEGUN February 19/74
 HOR. VERT DATE FINISHED February 20/74

Location No. 3 Zone

Section

TOTAL DEPTH 240 FT
 FT. RECOVERED
 % RECOVERY
 SIZE BIT 10

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU VALUE
0	Coring.							
17.0								
17.0	Busset Joko Talo Rock. Mottled grey & black. Very talcose throughout. Much dolomite. Some feldspar fracturing and pyroxene in places. Section (6.0 to 20.5) is Talo Schist. Many grained endosilic sections from (2.0 to 64.0, & 77.5 to 79.5). 1% qtz carb stringer with light ephalcite & chalco from 69.0-70.5	6046	6'05 6'06 6'07 6'08 6'09 6'10	30- 40- 50- 60- 70- 80-	40 50 60 70 80 90			
100.0								
100.0	Ardosita. Grey green, massive, very little fracturing. Occasional grey speck chalcopyrite.					6'17 6'18	150- 160-	260 270
186.3								
186.3	Pink green chloritic tuff. Very faint banding at 60° to core.					6'19 6'20 6'21 6'22	170- 180- 190- 200-	180 190 200 210
194.6						No sample		
194.6	Black Dike. Fine grained, massive.					6'23 6'24	210- 220-	220 230
202.4								
202.4	Green chloritic tuff. Well banded at 60° to core. Few brown biotite bands. Very little silicification or min.					6'25	230-	250
224.2								
224.2	Brown Tuff. Fairly well silicified green chloritic & carbonate interbeds. Numerous quartz & carbonate stringers & blebs. Very sparse fine pyrr & py disseminated throughout.							
224.2	10% qtz carb	214.2-217.0	6048					
224.2	20% qtz carb	217.0-220.0	6049					
224.2	30% qtz carb	220.0-223.0	6050					
224.2	10% qtz carb	223.0-224.8	6051					
224.2	15% qtz carb	224.0-227.3	6052					
227.3								
227.3	Green chloritic Tuff. Poorly banded, with only few faint fuscos banding after 240 ft.							
249.0	6% qtz. Sparse py. 227.3-229.4 10% qtz. Trace pyrr 229.4-232.0 28% qtz carb.	6053 6054 6056						
249.0	End of Hole.							

AIKEN BUSSET RED LAKE MINES LIMITED
2222222222222222222222222222

DIAMOND DRILL CORE LOG

DDH 74-22

CO-ORDINATES

LAT 53°27'40" N DEP 4101.22 E HOLE NO. 74-22
 ELEVATION 21102 ft. above Lake SHEET NO. 1 OF 2
 AZIMUTH 234°15' DIP - 50°15' DATE BEGUN February 23/74
 HOR. VERT. DATE FINISHED February 24/74

No. 3 Zone

Location KRL 12727

Section

TOTAL DEPTH 350 Ft.
 FT. RECOVERED
 % RECOVERY
 SIZE BIT 40

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
0	Cooling							
16.0								
16.0	Ardonite. Dark green, with few qtz carbonate filled fractures. Few scattered blebs pyrr & py. 3% qtz carb. 3% pyrr	6055	40.4-49.5	6055		6426	20-	30
16.6						6427	30-	40
28.0	Green & Brown Tuff. Interbands of chloritic & biotitic material. Very little sil. or min.	86.0- 88.6	6057			6428	40-	50
28.6						6429	50-	60
88.6	Brown Tuff. Fairly well silic- fied. Few green chloritic & carbonate interbands. Bands at 50° to core. Much blue grey quartz & carbonato in stringers and blebs. Very sparse pyrr & py disseminated throughout. 15% qtz Sparse pyrr	88.6- 92.0	6058			6430	60-	70
105.8						6431	70-	80
105.8	6% py	88.6- 92.0	6058			6432	80-	90
	50% qtz.	" "	92.0- 95.0	6059		6433	90-100	
	40% qtz.	" "	95.0- 98.0	6060		6434	100-110	
	80% qtz.	" "	98.0-101.2	6061		6435	110-120	
	2% qtz.	" "	101.2-103.8	6062		6436	120-130	
	6" white qtz stringer					6437	130-140	
	Light pyrr & py	103.8-105.8	6063			6438	140-150	
105.8	Brown & green Tuff. Very					6439	150-160	
123.2	little sil or min.	105.8-109.0	6064			6440	160-170	
		115.0-117.8	6065			6441	170-180	
123.2						6442	180-190	
153.0	Greyish green Tuff. Only traces banding in places. Few tiny qtz carb filled fractures. No sil. & only traces min.							
153.0								
133.0	Ardonite. Grey green, fine grained, with few scattered qtz carb filled fractures & myndules.							
168.0								
168.0	Green & brown Tuff. Banded at 60° & 80° to core. Tiny quartz & carb bands in places. Very little silicification. Traces pyrr & py in places.	168.0-171.0	6066					
168.0	5% qtz carb	168.0-171.0	6066					
168.0	10%qtz carb	171.0-175.0	6067					

Continued

LOG BY

A. Watt

AIKEN RUSSET RED LAKE MINES LIMITED
1950-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72

DIAMOND DRILL CORE LOG

DDH #4-22
Page 2

CO-ORDINATES

LAT DEP
ELEVATION
AZIMUTH DIP
HOR. VERT

Location

HOLE NO. 71-22
SHEET NO. 2 OF 2
DATE BEGUN
DATE FINISHED

Section

TOTAL DEPTH
FT. RECOVERED
% RECOVERY
SIZE BIT

DEPTH FEET	FORMATION	SAMPLE NO.	OZ AU PER TON	VALUE PER TON	AVGS	SLUDGES		
						SAMP.NO.	FROM	OZ.AU
185.0	Park green chloritic Tuff.					G443	190-200	
226.3	Very faintly banded at 60°. Very little sil., carb, or min.					G444	200-210	
226.3	Green chloritic Tuff with few brown biotitic interbands.					G445	210-220	
235.4	Only occasional small quartz carbonate stringers. Pending at 55°. Only traces sil & min.					G446	220-230	
						G447	230-240	
						G448	240-250	
						G449	250-260	
235.4	Irregular. With occasional streak faintly sulfaceous material.					G450	260-270	
270.0						G451	270-280	
270.0	Green chloritic Tuff. Light biotitization in places. Faintly banded at 70°. Scattered, narrow, white quartz stringers, parallel with lenses. Slight sil. & light, fine py disseminated in places. Occasional tiny blob of streak pyrr.					G452	280-290	
	53.0-2 Tr py & pyrr 275.6-278.0	6073				G453	290-300	
	53.0 " 0 " 0 " 279.0-281.1	6074				G454	300-310	
	53.0 " 0 " 0 " 281.1-284.2	6075				G455	310-320	
204.2	Brown Lamprophyre Dike.					G456	320-330	
308.0	Continuation of chloritic Tuff					G457	330-340	
353.0	as in section 270.0 to 284.2					G458	340-350	
	53.0-1 Tr pyrr & py	6076						
	53.0 " 0 " 0 " 315.3-318.0	6077						
	53.0 " 0 " 0 " 319.9-323.1	6078						
	53.0 " 0 " 0 " 323.0-329.6	6079						
	53.0 " 0 " 0 " 329.6-330.8	6080						
	53.0 " 0 " 0 " 331.9-333.8	6081						
	53.0 " 0 " 0 " 333.8-335.9	6082						
	53.0 " 0 " 0 " 337.0-340.7							
258.0	End of Hole.							

report B
63.3098



52N04SW0243 63.3098 BAIRD TWP

020

REPORT ON THE PROPERTY OF
AIKEN-RUSSET RED LAKE MINES LIMITED
BAIRD TOWNSHIP, RED LAKE AREA, ONTARIO

July 1973

J. L. Tindale, P.Eng.
International Mine Services Limited

Introduction

Aiken-Russet Red Lake Mines Limited, a Canadian unlisted mining company, is managed by International Mine Services Limited with offices at 1601, 8 King Street East, Toronto, Ontario. The Company owns a gold property in Baird Township, Red Lake Area of Ontario, which is the subject of this report.

Property, Location and Access

The property consists of 50 patented claims located in the eastern portion of Baird Township. The eastern boundary adjoins the producing Madsen Red Lake Gold Mines Limited. The Madsen shaft is 3,000 feet east of the mutual boundary. The Madsen mine is served by a highway, townsite, and hydro power. Access to the Aiken-Russet is by bush trail and water routes from Madsen.

The patented claim holdings which make up this property are listed as follows and are depicted on the accompanying location map.

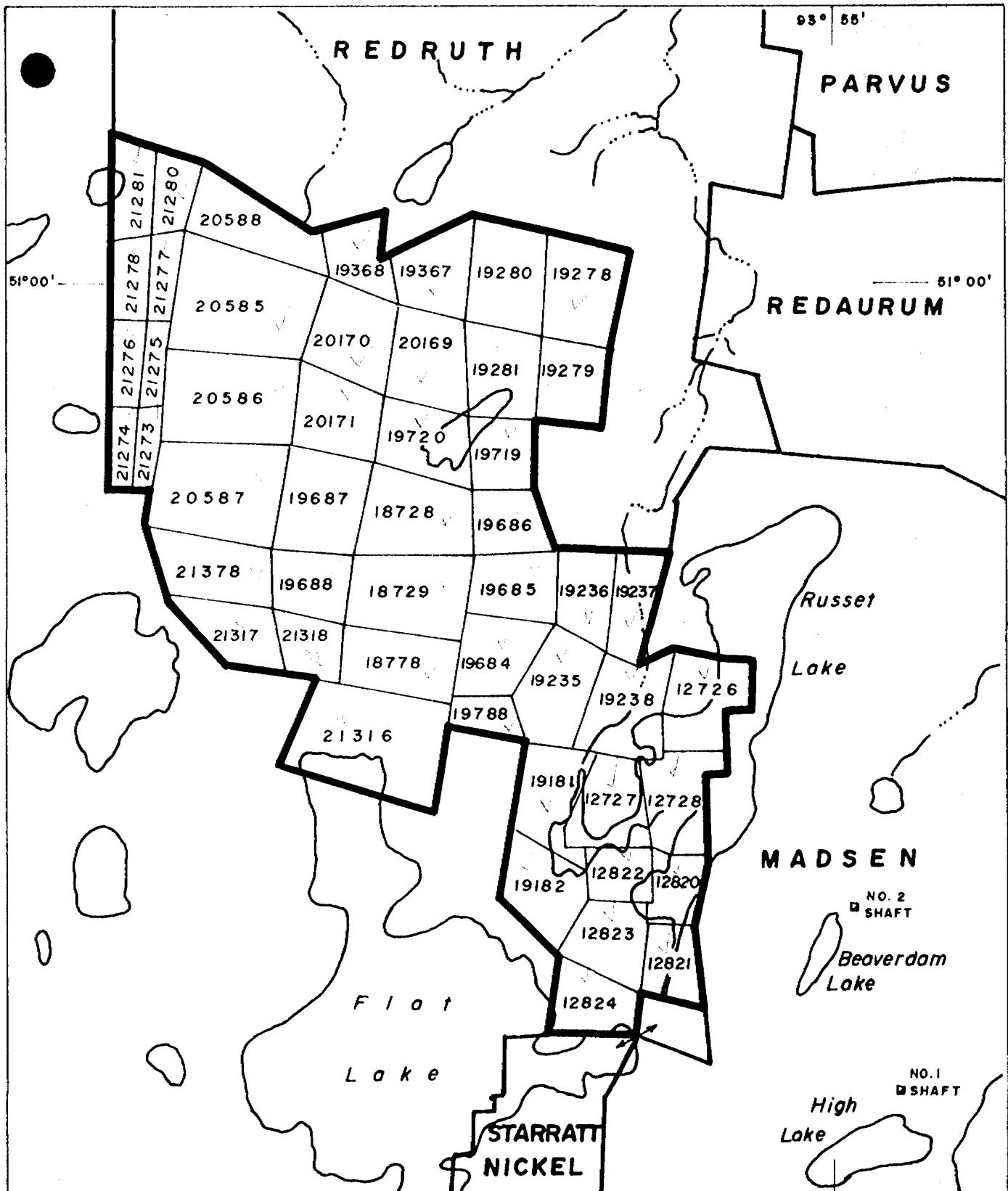
KRL 18728, 18729, 19281, 19367, 19368,
KRL 18778, 19278, 19684 to 19688, 19719, 19720,
KRL 19788, 20169 to 20171, 20585 to 20588,
KRL 21273 to 21278, 21280, 21281, 21316 to 21318,
KRL 21378, 12726 to 12728, 12820 to 12824
19181, 19182, 19235 to 19238

Historical Summary

The period of greatest activity on the property occurred from 1944 to 1947 when prospecting, trenching and diamond drilling was carried out on a number of the claims.

On the western portion of the property tuff and iron formation on claims 18728 and 18729 were found to carry gold values. Over 8,000 ft. of x-ray and EX size core drilling was expended in tracing the tuffaceous horizons over a strike length of 3,000 ft. Visible gold was encountered in three intersections and assay values ranging from 0.10 to 0.22 oz. per ton in gold are reported in six widely scattered intersections.

On claim 19181 a band of iron formation and a parallel tuff horizon were drilled and found to be consistently mineralized over a length of 800 ft. The majority of the intersections are over narrow widths.



PROPERTY MAP

AIKEN-RUSSET RED LAKE MINES LTD.

BAIRD TWP., ONTARIO

SCALE : 1" = 1/2 MILE

N

A similar occurrence was drilled on claims 19236 and 19237. Most assays were low though one intersection ran 0.27 oz/ton gold across three feet.

Claim 12727 contains the most important gold mineralization found to date. A strike length of 1,200 ft. of sheared tuffaceous rock has been drilled with good widths of low grade gold mineralization being encountered. At least 30 holes were drilled in the zone prior to 1950 and great difficulty was encountered in correlating the mineralized zones. In 1967 the present management took over control of the property and remapped the area under the guidance of Chester Kuryliw. Kuryliw recognized that though the formations were striking north and dipping to the east, the schistosity which appears to control the mineralization has a northwesterly strike. Most previous drilling was seen to be running with the altered zones instead of crossing them.

This new interpretation led to a renewal of drilling in 1968 with 16 holes being put down and surveyed as presented on the enclosed drilling map at a scale of 1" = 100'. A promising zone, called the No. 3 tuff zone is indicated which requires further drilling.

Geological Summary

Baird Township was mapped by S. A. Ferguson of the Ontario Department of Mines in 1962 at a scale of 1" = 1000', and subsequently published as Geological Report No. 39.

All consolidated rocks underlying the claim area are of Pre-Cambrian age; they are listed as follows:

<u>ALGOMAN</u> (intrusive rocks)	Lamprophyre and granite
<u>PRE-ALGOMAN</u> (intrusives)	Quartz porphyry, feldspar porphyry, hornblend diorite and gabbro
<u>TEMISKAMING</u>	Sediments, (not represented in area)
<u>KEEWATIN</u>	Andesite flows, tuffs and iron formations.

Pillowed andesite flows can be traced along strike for several thousands of feet and are interbanded with massive flows including minor flow top breccia.

Most conspicuous formations are the banded cherty iron formations including magnetite-rich layers highly magnetic and soft chloritic layers. Tuffs, often associated with iron formations, are seldom well exposed, and, where seen, are well banded.

Early intrusive rocks of dioritic composition, possibly contemporaneous of the Howey diorite, have a distinctive porphyritic appearance on outcrops and form dykes up to 1,200 ft. in width and several miles long.

Later dykes are mainly of the quartz-porphry type and are up to 300 ft. in width and 6,000 ft. in length.

The contact of the Killala granite batholith occurs in a northwesterly direction along the southwest and west boundaries of the property. The contact is very sharp and almost straight, and very little alteration can be seen in its vicinity.

Narrow biotite-rich lamprophyre dykes cut across all other formations including the Killala granite.

Exploration Targets

There are three zones of prime exploration potential on the property.

Zone No. 1 is a chloritic tuff horizon which has a northwesterly strike and easterly dip and averages about 20 ft. wide. The zone occurs northwest of the western bay of Russet Lake. Drilling in 1968 intersected the horizon but returned low erratic values. Previous drilling in 1947 returned some promising results from the horizon. These results are not plotted on the accompanying map due to uncertainty of hole locations.

Zone No. 2 is an interflow iron formation exposed in trenches and outcrops over a length of about $\frac{1}{2}$ mile. The rock is finely banded greenish and vitreous chert with some pyrrhotite and pyrite mineralization in bands and with some bands rich in magnetite. This formation strikes due north and dips east at 50-55°. It reaches widths up to 6 ft. in exposures. The zone overlays the Zone No. 1 tuff being separated by a narrow band of andesite. The old original drilling along this zone gave quite encouraging values at shallow depths. The 1968 drilling cut the zone in 3 holes and returned low values over narrow widths.

Zone No. 3 occurs along the western shore of Russet Lake on claim 12727. Drilling in 1968 established the presence of several promising gold bearing zones within a band of tuffaceous host rock. The best values were present in W.N.W. trending brown tuffs which bear a marked similarity to the Madsen ore horizons. Large portions of the brown tuffs are mineralized with finely disseminated pyrite and pyrrhotite associated with varying amounts of silicification and carbonatization. Significant gold values are associated with these mineralized and silicified portions of the brown tuffs. The zones appear to have good depth continuity. Lateral correlations require further drilling to indicate the strike extent of the

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ALGOMAN (intrusive rocks) Lamprophyre and granite

PRE-ALGOMAN (intrusives) Quartz porphyry, feldspar porphyry hornblend diorite and gabbro

TEMISKAMING Sediments, (not represented in area)

KEEWATIN Andesite flows, tuffs and iron formations.

Pillowed andesite flows can be traced along strike for several thousands of feet and are interbanded with massive flows including minor flow top breccia.

Most conspicuous formations are the banded cherty iron formations including magnetite-rich layers highly magnetic and soft chloritic layers. Tuffs, often associated with iron formations, are seldom well exposed, and where seen, are well banded.

Early intrusive rocks of dioritic composition, possibly contemporaneous of the Howey diorite, have a distinctive porphyritic appearance on outcrops and form dykes up to 1,200 ft. in width and several miles long.

Later dykes are mainly of the quartz-porphyry type and are up to 300 ft. in width and 6,000 ft. in length.

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Narrow biotite-rich lamprophyre dykes cut across all other formations including the Killala granite.

individual shoots.

Madsen has, for the past two years, been mining a zone in the footwall of the Russet Lake Talc known as the No. 8 Zone. Further significant values are known to be present west of their stoping area. This No. 8 Zone on projection would occur at the approximate position of our No. 3 Zone. The enclosed cross-section depicts the interpreted structural position of this ore zone in relation to the No. 3 tuff zone. It is admittedly a long projection, however, there is sufficient encouragement to probe for the upward extension of this ore zone on the west side of the Madsen boundary. It is possible the No. 3 and No. 8 Madsen zones are part of the same ore bearing structure. As a matter of interest, the Madsen No. 8 averages 120 ft. in length, 20 ft. in width and grades 0.40-0.50 oz./ton gold.

Proposed Exploration Program

A program of diamond drilling to extend the known gold bearing brown tuff horizons in a lateral and vertical sense is proposed to further explore the property. This work should be aimed at outlining sufficient mineralization to warrant going underground to prove up a mineable tonnage. It is my opinion that only underground work will prove ore reserves at this property. This has been normally the case in the Red Lake camp.

Holes should be drilled east and west of previous drill collars 68-18 and 68-20 respectively. Offsetting holes to previous intersections in 68-12 and 68-13 are required to establish strike continuity on these isolated occurrences. A line of holes to section the area between holes 68-18 and 68-15 should be drilled to test for gold bearing horizons. Offset holes to 68-15 are required to establish the value of the two gold zones present in this hole. The 0.24 oz./ton gold in iron formation in hole 68-15 appears to corroborate similar intersections reported in 1944 vintage drilling in this area.

Several holes are required to probe for the upward extension of the Madsen No. 8 Zone from the peninsula in Russet Lake on claims 12728 and 12822.

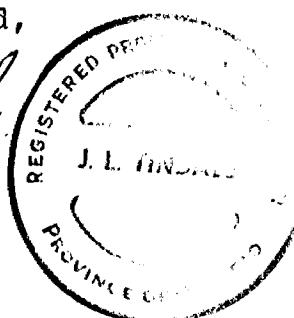
Total drill footage involved will be in the order of 6,000 ft. All holes should be surveyed and tied to the coordinate system. Drilling should be planned to take advantage of freezing since several holes will be required from the ice of Russet Lake. A late fall startup to the drilling is envisaged.

Cost of the above program is estimated as follows:


Direct drilling costs 6,000 ft. @ \$10/ft.	\$60,000
Assaying, supplies, surveys	2,500
Geological supervisor 3 months @ \$1,500	4,500
Transportation, lodging	1,500
Consulting fees	3,000
Contingencies @ 10%	<u>7,000</u>
Total Cost Estimate	\$78,500

Respectfully submitted,

J. L. Tindale, P.Eng.



July 17, 1973
Toronto, Ontario



LEGEND

9	Feldspar porphyry dyke	—○—	Fault	— — —	Claim line
8	Lamprophyre dyke	——○—	Geological contact	— — —	Property boundary
7	Russet Lake tuff	○—○—	Outcrop		
6	Brown tuff	○—○—			
5	Chloritic tuff	○—○—			
4	Andesite	○—○—			
3	Iron formation	○—○—			
		—○—	Diamond drill hole		
		—○—	Assay, ozs. gold/feet		
		—○—	Sludge assay		



200

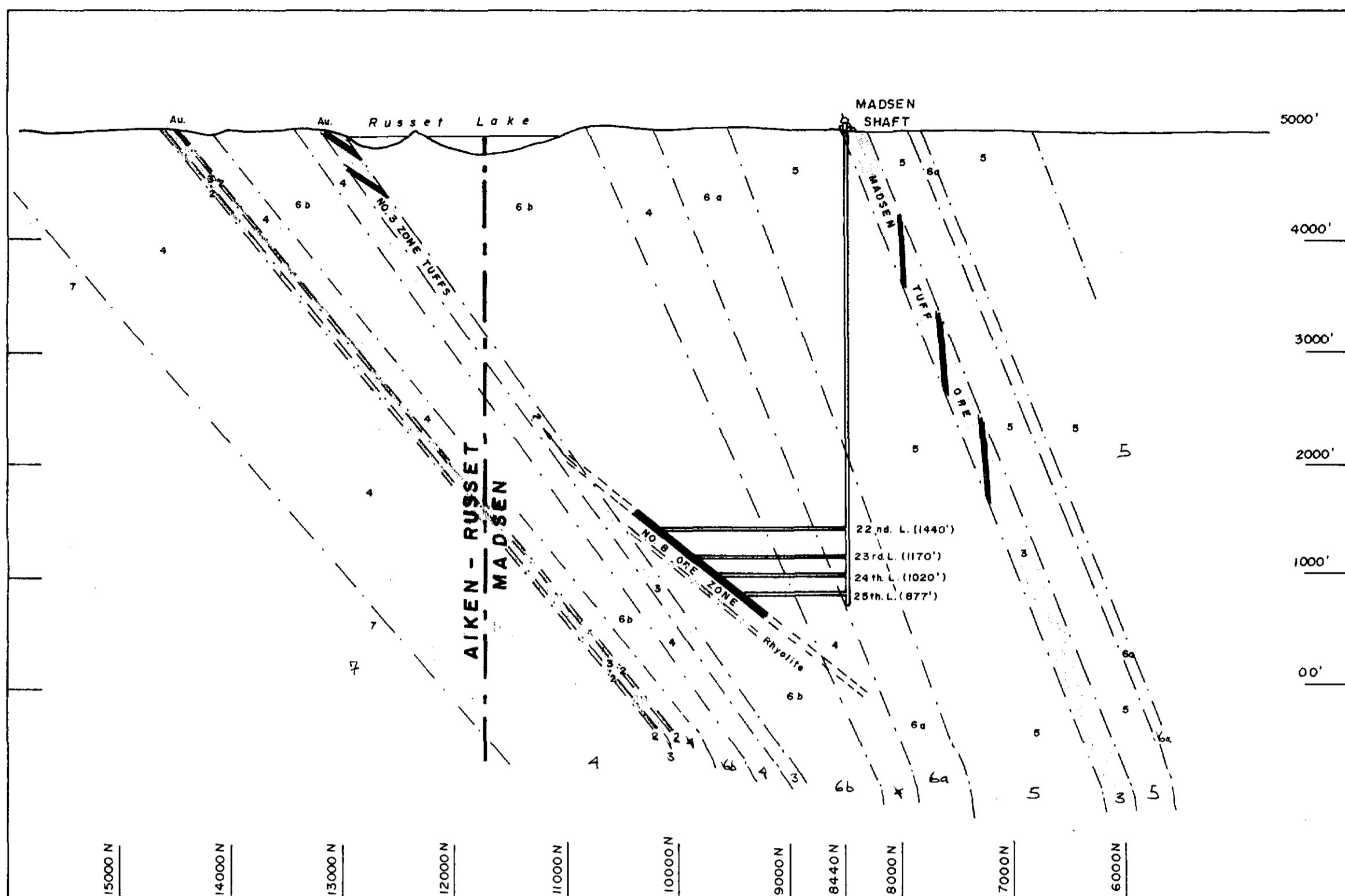
SOMMSP424 63.3600 8410 TWP

3½ x 5 17½ sq ft.

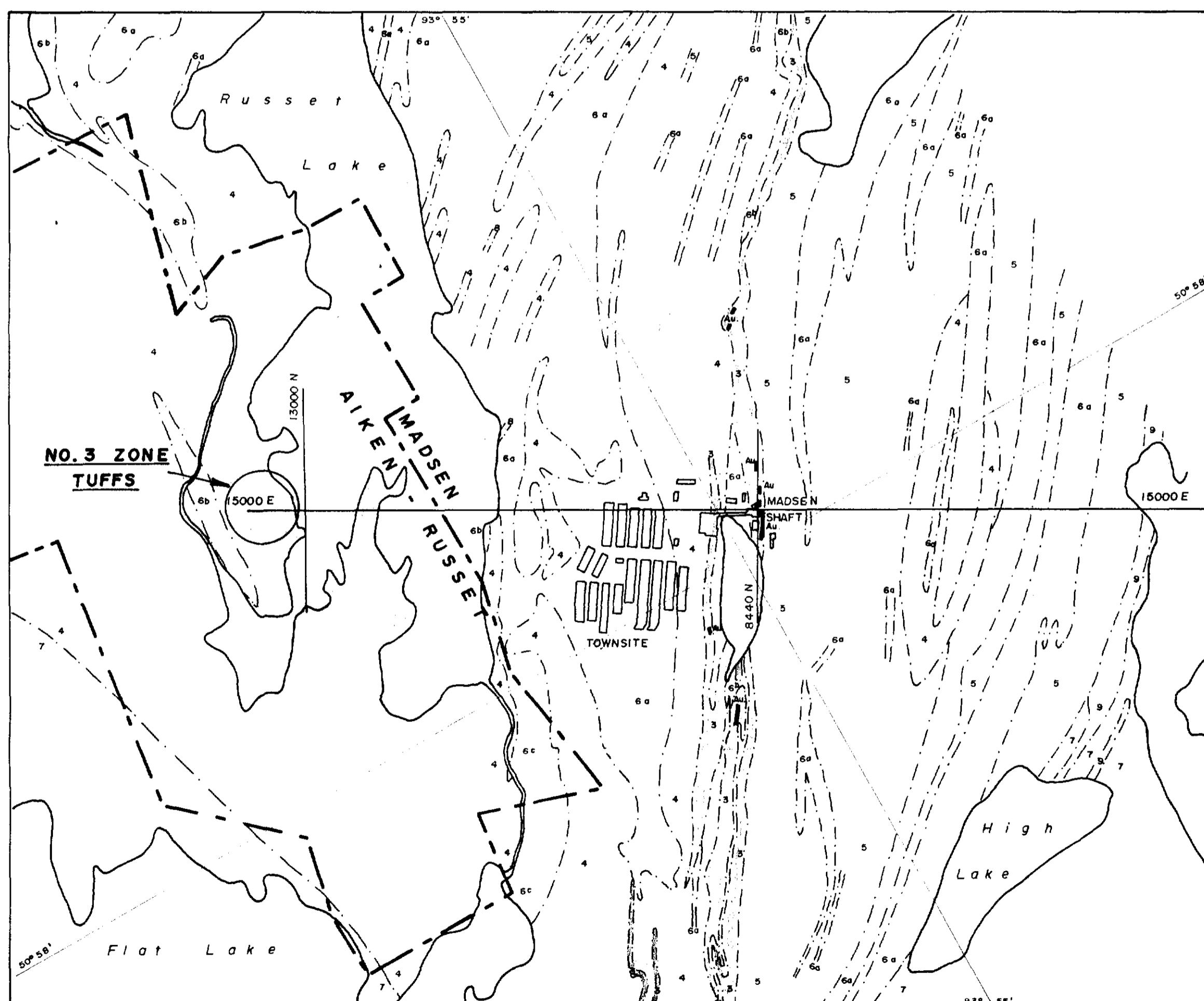


L E G E N D

9	Feldspar porphyry dyke	—/— Fault	—/— Claim line
8	Lamprophyre dyke	—/— Geological contact	—/— Property boundary
7	Russet Lake talc	○○ Outcrop	
6	Brown tuff	○○ Assay, ozs gold/feet	
5	Chloritic tuff	○○ Assay, ozs gold/feet	
4	Andesite	○○ Sludge assay	
3	Iron formation	○ Diamond drill hole	
2	Diorite		



MADSEN SHAFT SECTION ALONG 15000E

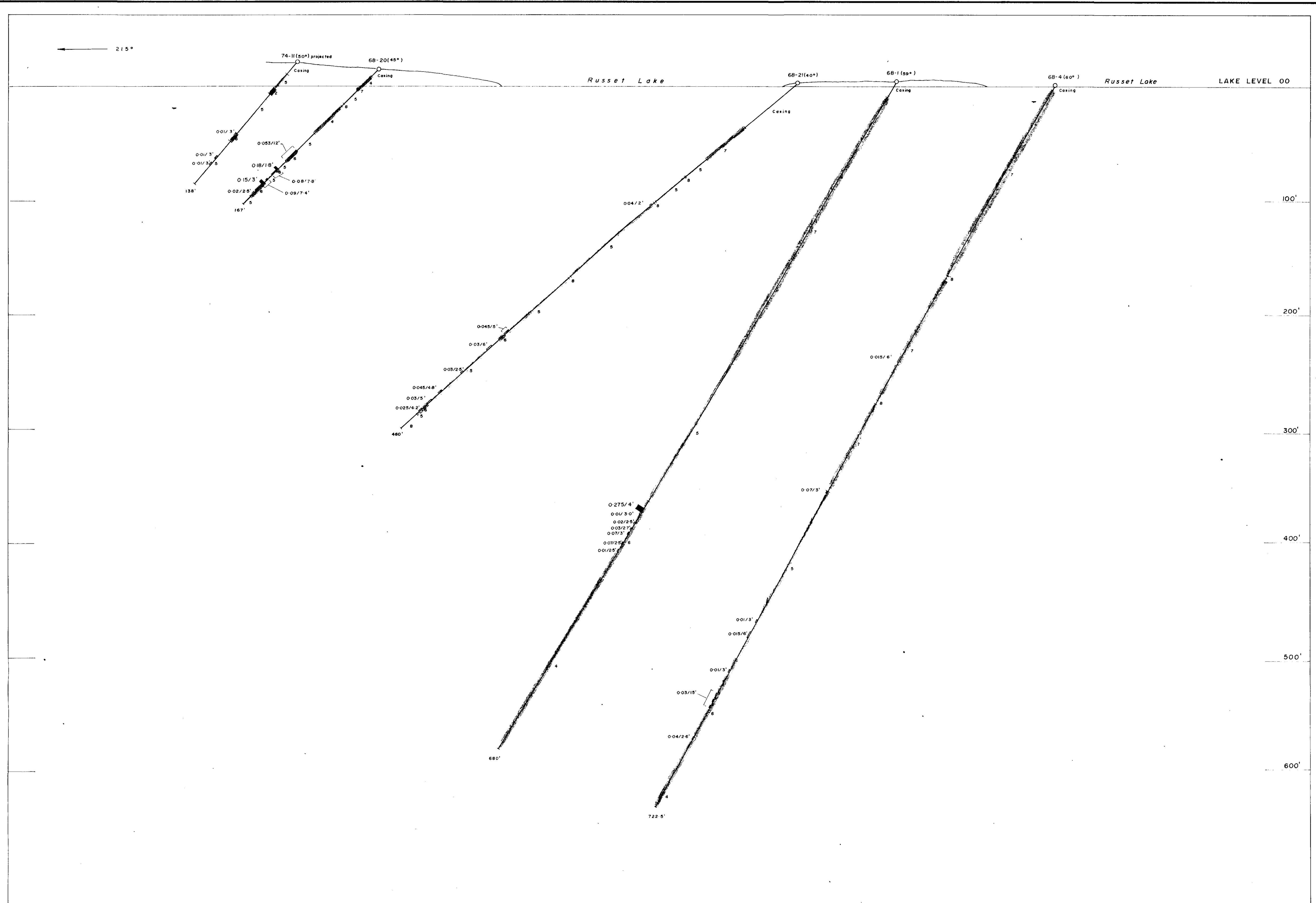


LEGEND

9	Porphyritic metagabbro
8	Quartz feldspar porphyry
7	Granodiorite
6	(a) Metagabbro (b) Serpentinite, tremolite-talc schist
5	Latite
4	Andesite basalt
3	Tuff
2	Iron formation
	Au zone

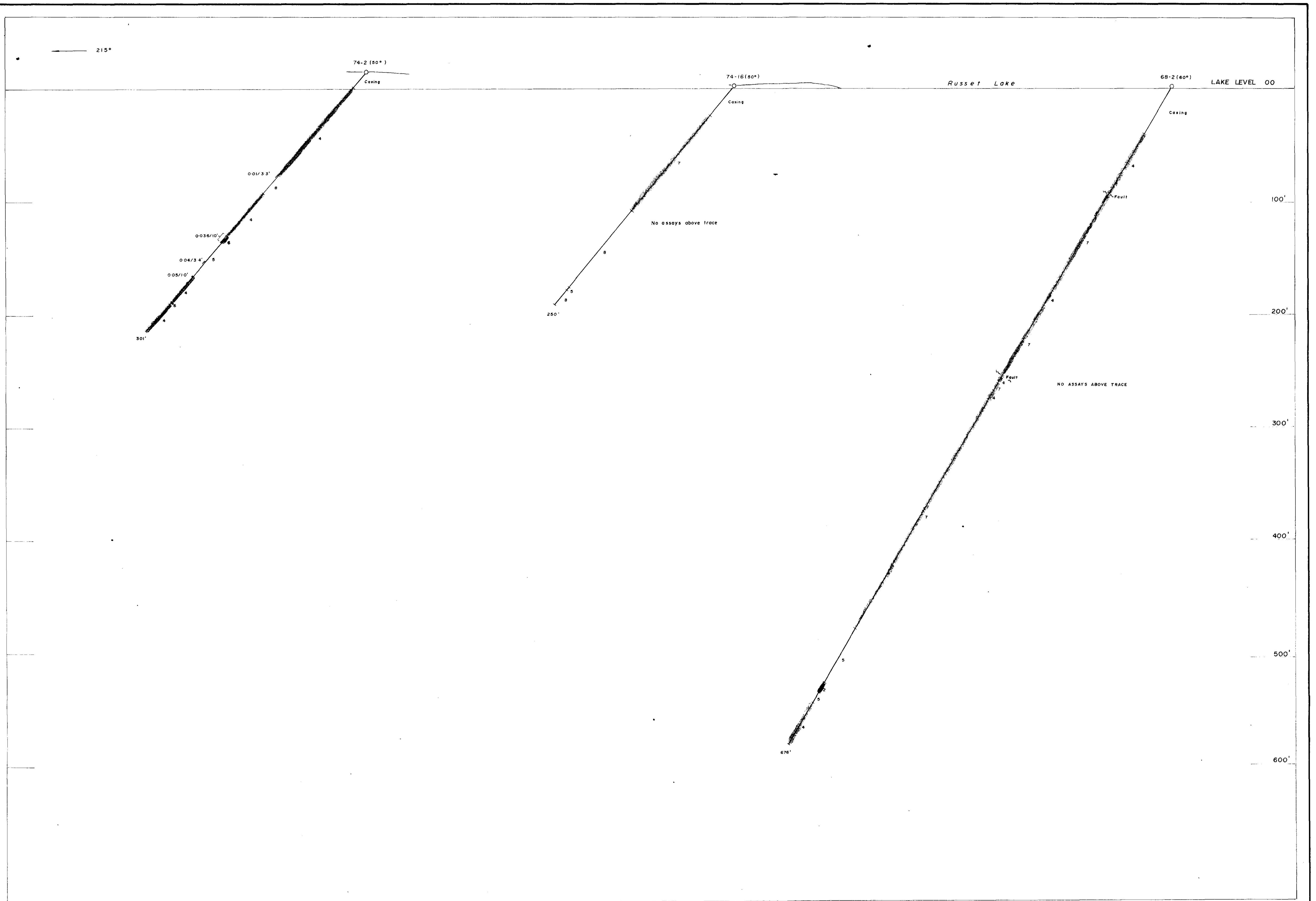
GEOLOGICAL PLAN & SECTION
MADSEN SHAFT AREA
BAIRD TWP., RED LAKE AREA, ONT.
SCALE : 1" = 1000'

52N04SW0243 63.3098 BAIRD TWP



- 8 Lamprophyre dike
- 7 Russet Lake talc
- 6 Brown tuff
- 5 Chloritic tuff
- 4 Andesite
- 2 Diorite





AIKEN - RUSSET RED LAKE GOLD MINES LTD.

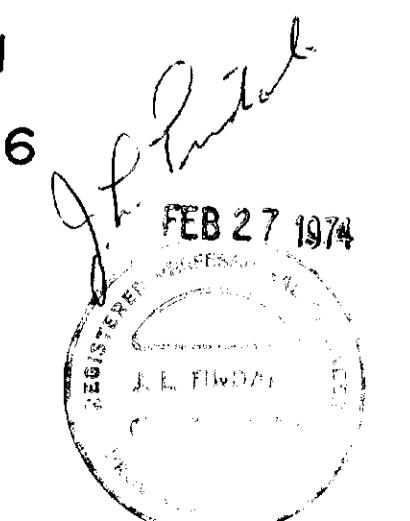
GEOLOGICAL SECTION

D.D.H. - 68-2, 74-2, 74-16

NO. 3 TUFF ZONE

BAIRD TWP., ONTARIO

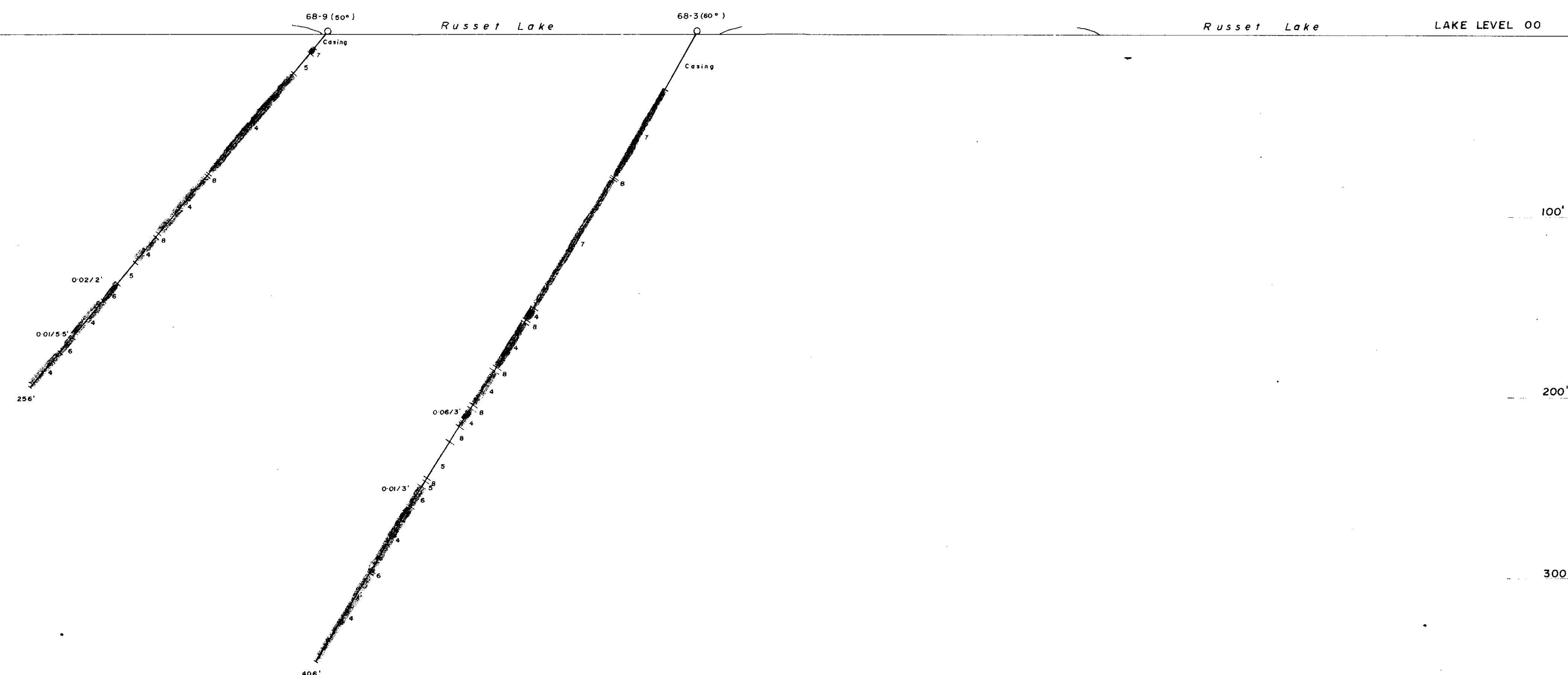
SCALE : 1" = 40'



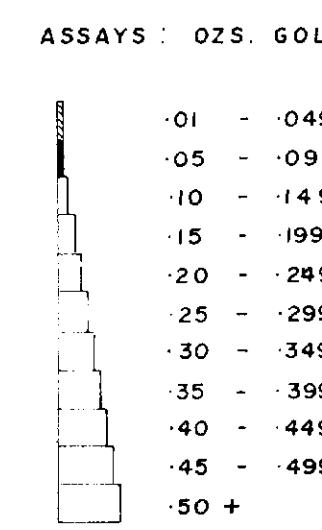
- 8 [] Lamprophyre dike
- 7 [] Russet Lake talc
- 6 [] Brown tuff
- 5 [] Chloritic tuff
- 4 [] Andesite
- 2 [] Diorite

~~~~~ Fault

215°



- 8 Lamprophyre dike
- 7 Russet Lake tuff
- 6 Brown tuff
- 5 Chloritic tuff
- 4 Andesite
- 2 Diorite



|            |
|------------|
| .01 - .049 |
| .05 - .099 |
| .10 - .149 |
| .15 - .199 |
| .20 - .249 |
| .25 - .299 |
| .30 - .349 |
| .35 - .399 |
| .40 - .449 |
| .45 - .499 |
| .50 +      |

AIKEN - RUSSET RED LAKE GOLD MINES LTD.

GEOLOGICAL SECTION

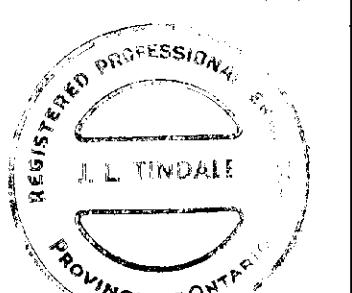
D.D.H. - 68-3, 68-9

FEB 27 1974

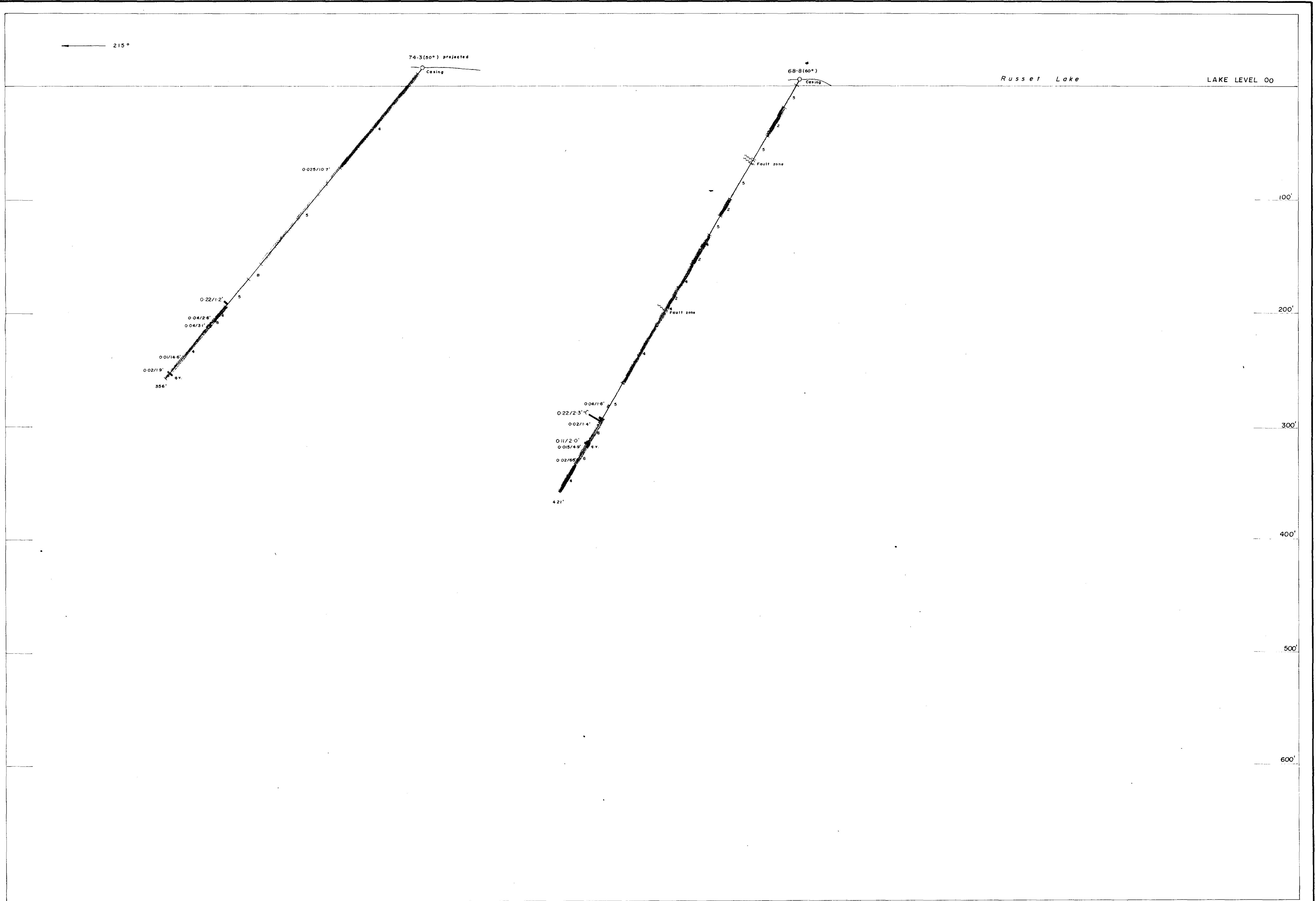
NO. 3 TUFF ZONE

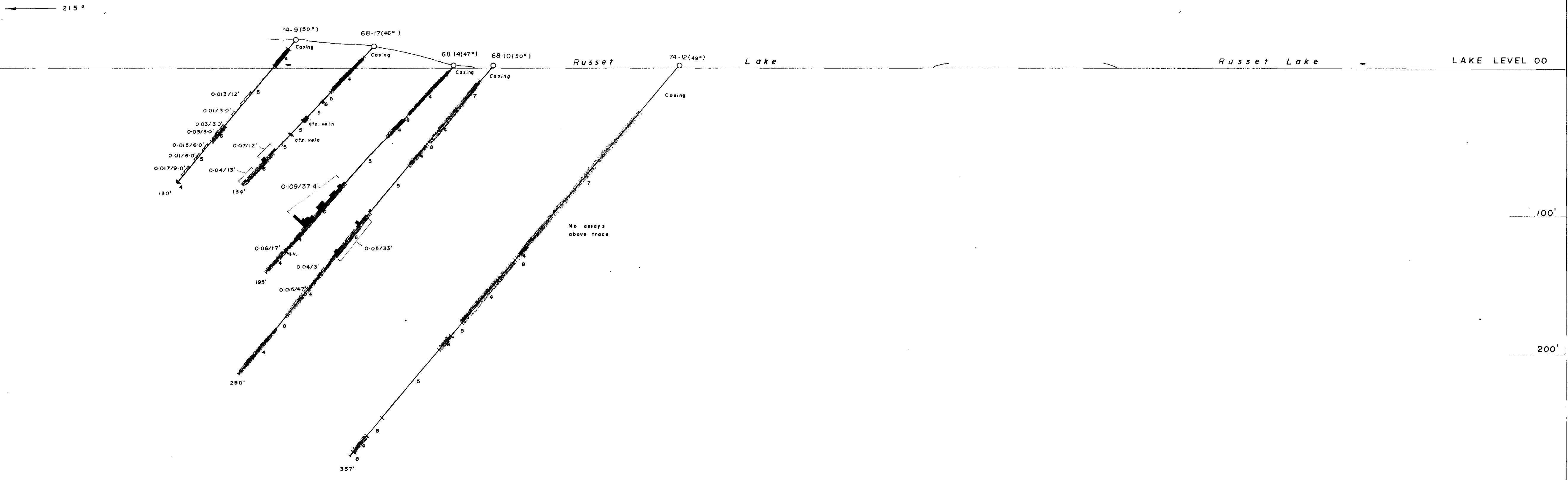
BAIRD TWP., ONTARIO

SCALE : 1" = 40'



63° 30' E (5 sq ft)





- 8 Lamprophyre dike
- 7 Quartz vein
- 6 Russel Lake talc
- 5 Brown tuff
- 5 Chloritic tuff
- 4 Andesite
- 2 Diorite

ASSAYS: OZS GOLD

|     |        |
|-----|--------|
| 01  | - .049 |
| 05  | - .099 |
| 10  | - .149 |
| 15  | - .199 |
| 20  | - .249 |
| 25  | - .299 |
| 30  | - .349 |
| 35  | - .399 |
| 40  | - .449 |
| 45  | - .499 |
| 50+ |        |

AIKEN - RUSSET RED LAKE GOLD MINES LTD.

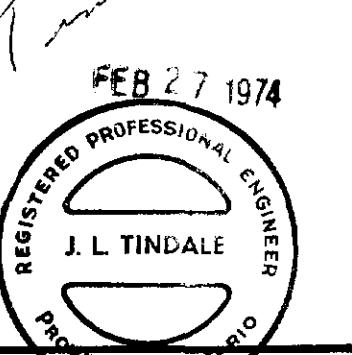
GEOLOGICAL SECTION

D.D.H. - 68-10, 68-14, 68-17, 74-9, 74-12

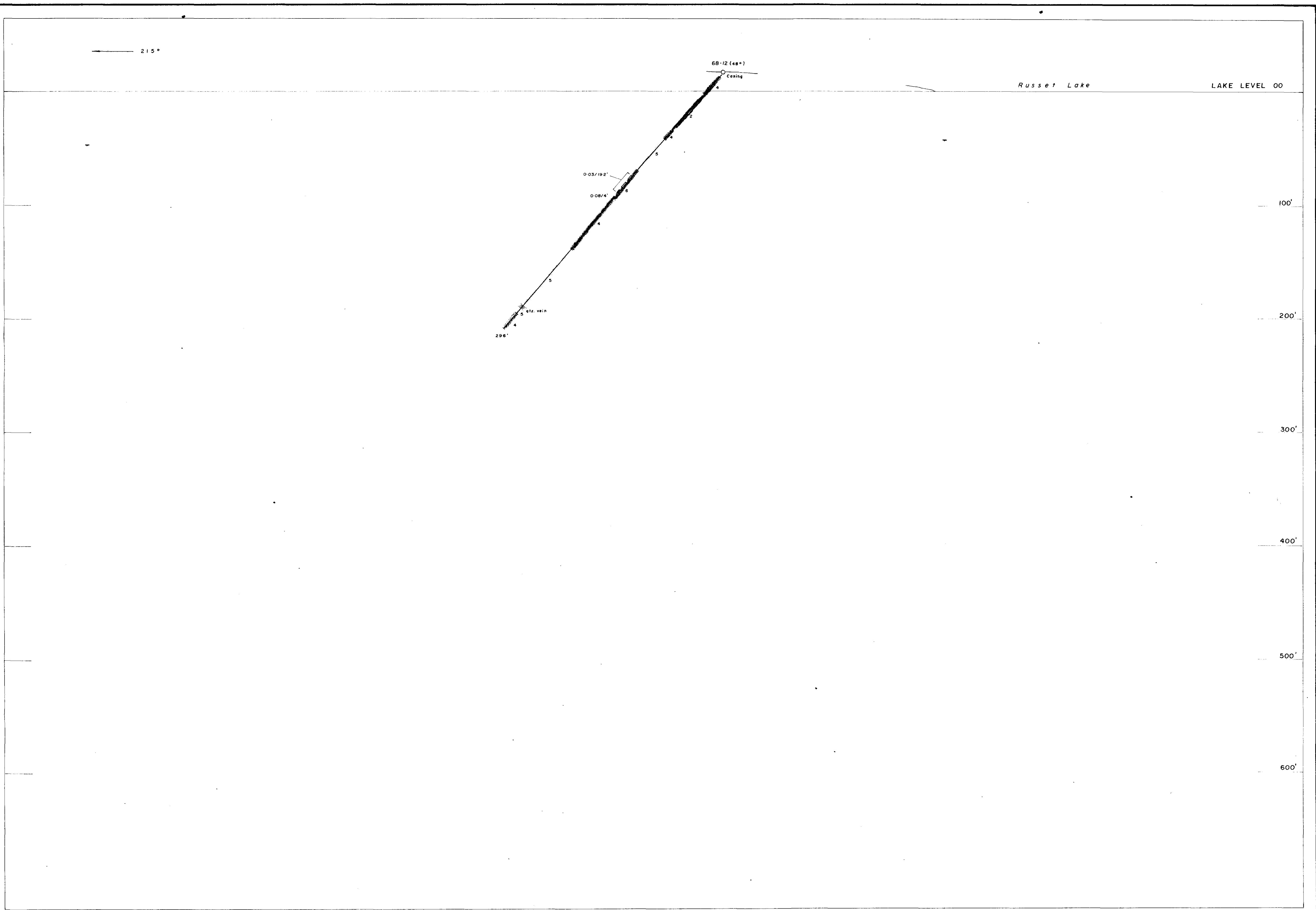
NO. 3 TUFF ZONE

BAIRD TWP., ONTARIO

SCALE : 1" = 40'







|   |                                                                                     |                  |                                                                                                      |
|---|-------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------|
| 8 | 8                                                                                   | Lamprophyre dike | <br>Quartz vein |
| 7 | 7                                                                                   | Russet Lake talc |                                                                                                      |
| 6 |  | Brown tuff       |                                                                                                      |
| 5 | 5                                                                                   | Chloritic tuff   |                                                                                                      |
| 4 |  | Andesite         |                                                                                                      |
| 2 |  | Diorite          |                                                                                                      |

**ASSAYS : OZS. GOLD**

|     |   |      |
|-----|---|------|
|     | - | .049 |
| .05 | - | .099 |
| .10 | - | .149 |
| .15 | - | .199 |
| .20 | - | .249 |
| .25 | - | .299 |
| .30 | - | .349 |
| .35 | - | .399 |
| .40 | - | .449 |
| .45 | - | .499 |
| .50 | + |      |

**AIKEN-RUSSET RED LAKE GOLD MINES LTD.**

## GEOLOGICAL SECTION

D.D.H. - 68-12

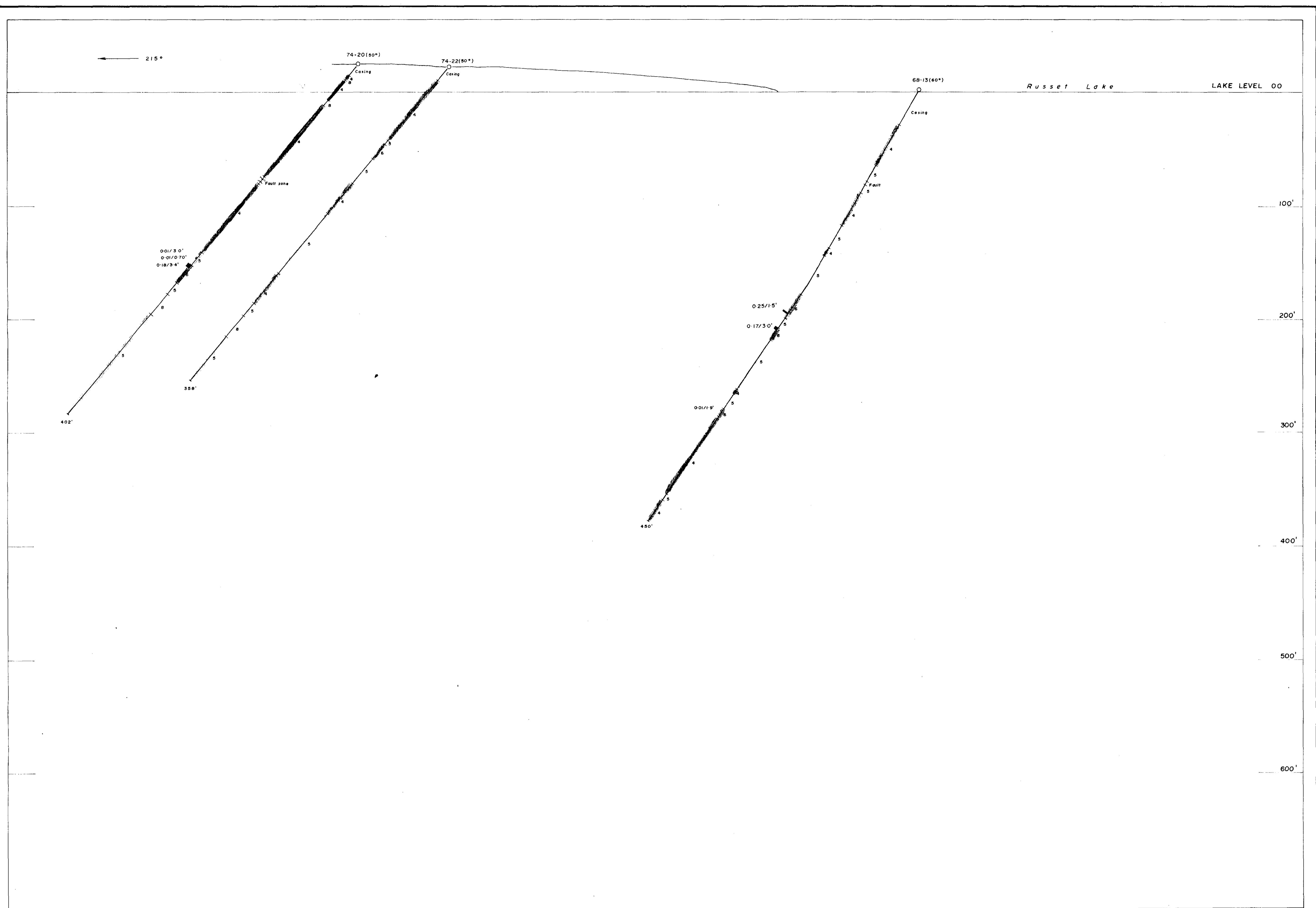
### NO. 3 TUFF ZONE

BAIRD TWP. ONTARIO

SCALE: 1" = 40'

*Priddle*





- 8 Lamprophyre dike  
7 Russet Lake talc  
6 Brown tuff  
5 Chloritic tuff  
4 Andesite  
2 Diorite
- ~~~~ Fault

## ASSAYS : OZS. GOLD

|     |      |
|-----|------|
| 01  | .049 |
| 05  | .099 |
| 10  | .149 |
| 15  | .199 |
| 20  | .249 |
| 25  | .299 |
| 30  | .349 |
| 35  | .399 |
| 40  | .449 |
| 45  | .499 |
| 50+ |      |

AIKEN-RUSSET RED LAKE GOLD MINES LTD.

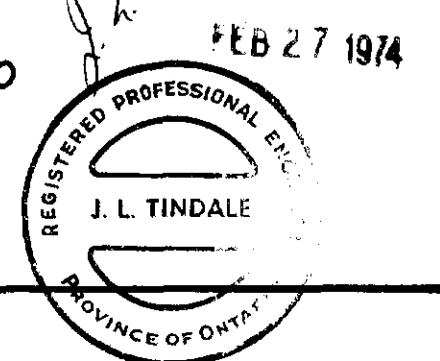
## GEOLOGICAL SECTION

D.D.H. - 68-13, 74-20, 74-22

NO. 3 TUFF ZONE

BAIRD TWP., ONTARIO

SCALE : 1" = 40'

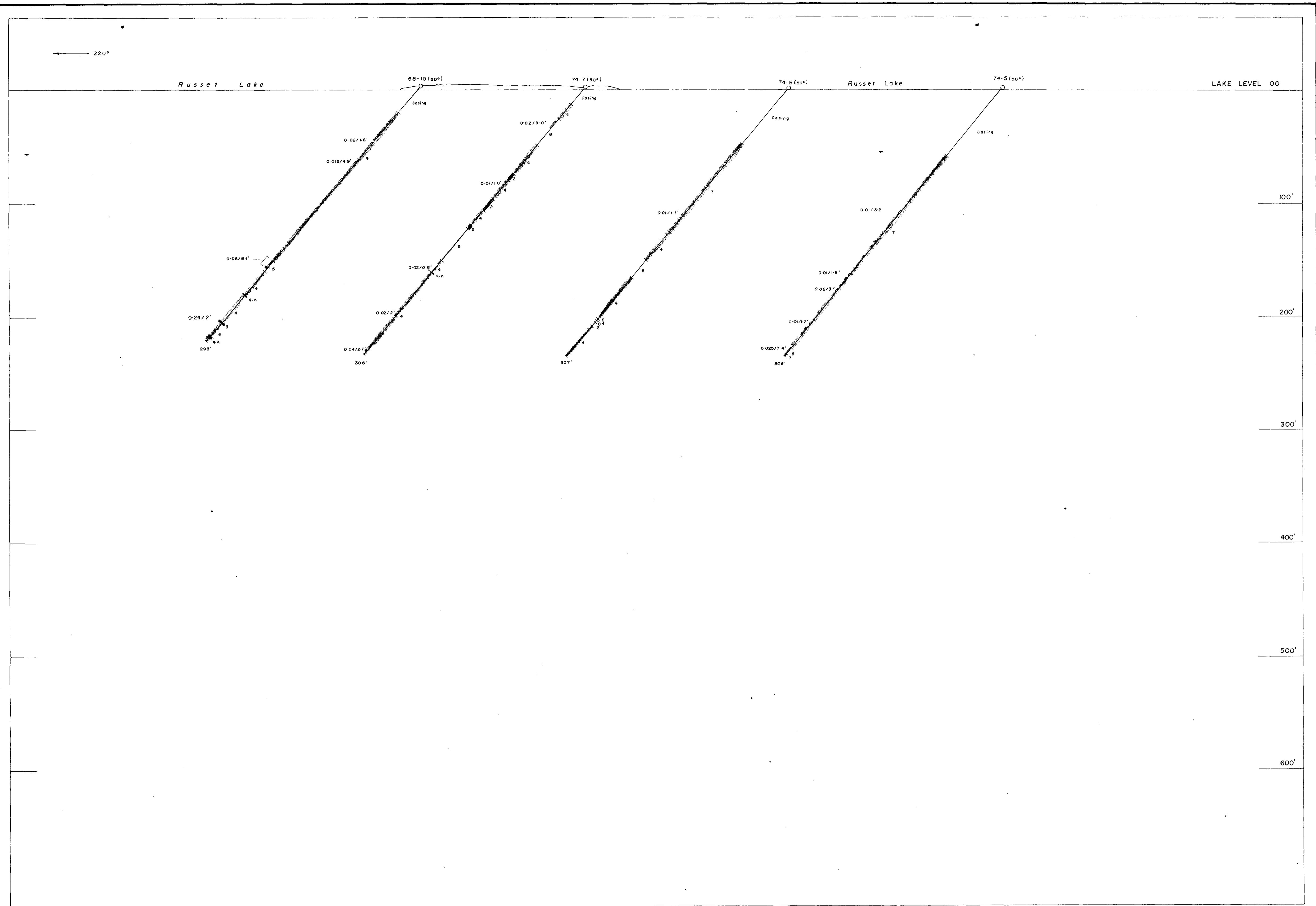


63.3098 (5 sq ft)



300

SHE408243 63.3098 BAIRD TWP



|   |   |                  |
|---|---|------------------|
| 8 | 8 | Lamprophyre dike |
| 7 | 7 | Russet Lake talc |
| 6 | 6 | Brown tuff       |
| 5 | 5 | Chloritic tuff   |
| 4 | 4 | Andesite         |
| 3 | 3 | Iron formation   |
| 2 | 2 | Diorite          |

### Quartz vein

ASSAYS : OZS. GOL

A bar chart with 'Grade' on the x-axis and '% in Top 10%' on the y-axis. The y-axis has major ticks at 0, 10, 20, 30, 40, 50, and 60. The bars show the following data:

| Grade | % in Top 10% |
|-------|--------------|
| 01    | ~0           |
| 05    | ~0           |
| 10    | ~14          |
| 15    | ~11          |
| 20    | ~21          |
| 25    | ~29          |
| 30    | ~33          |
| 35    | ~33          |
| 40    | ~41          |
| 45    | ~41          |
| 50    | ~41          |

**AIKEN-RUSSET RED LAKE GOLD MINES LTD.**

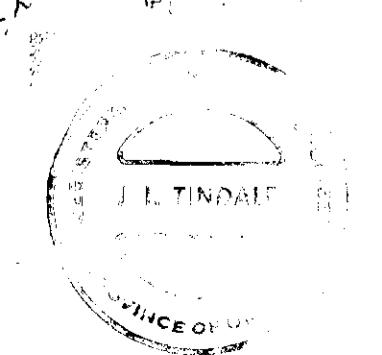
## GEOLOGICAL SECTION

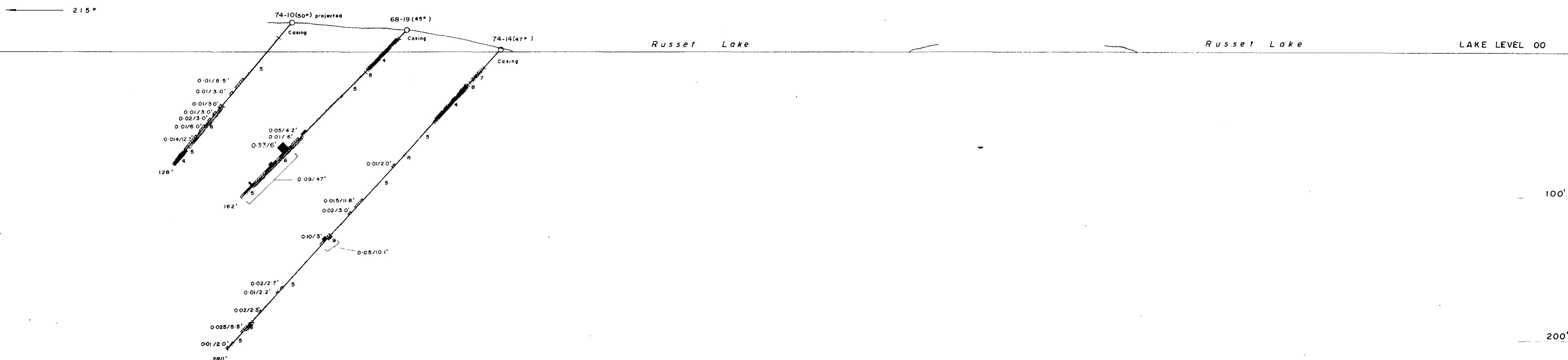
D.D.H. - 68-15, 74-5, 74-6, 74-7

### NO 3. TUFF ZONE

**BAIRD TWP., ONTARIO**

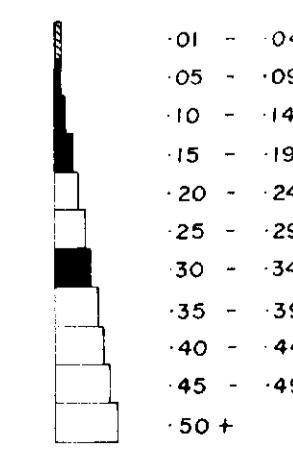
SCALE : 1" = 40'





- 9 Feldspar porphyry dike
- 8 Lamprophyre dike
- 7 Russet Lake talc
- 6 Brown tuff
- 5 Chloritic tuff
- 4 Andesite
- 2 Diorite

ASSAYS : OZS GOLD



AIKEN-RUSSET RED LAKE GOLD MINES LTD.

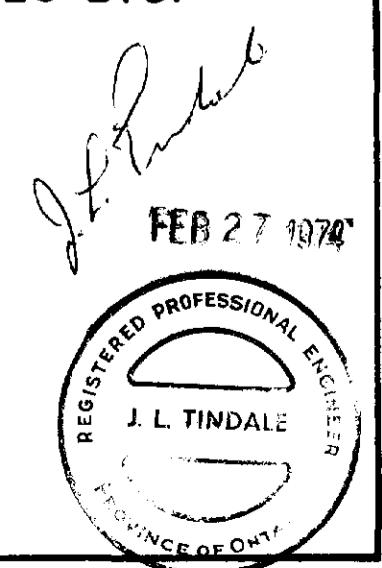
GEOLOGICAL SECTION

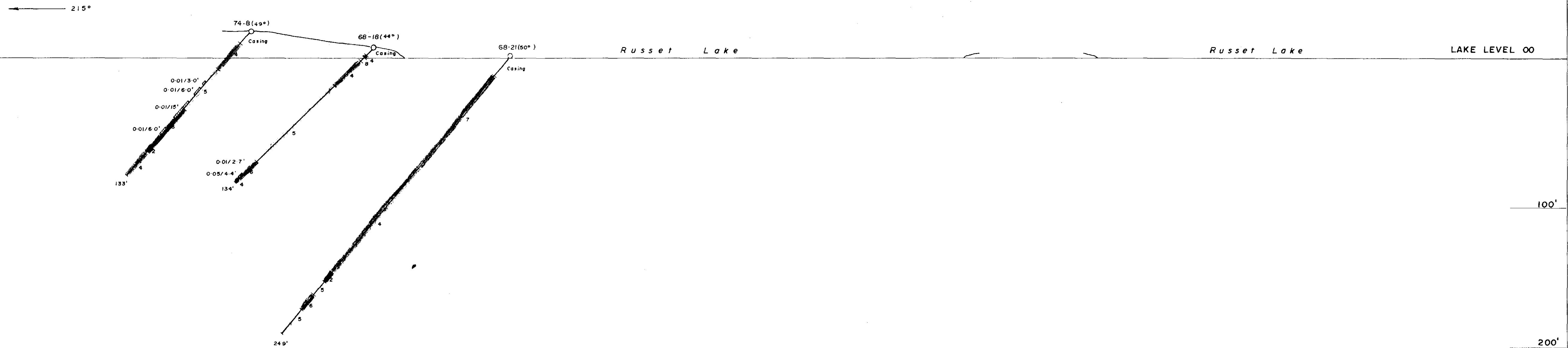
D.D.H. - 68-19, 74-10, 74-14

NO. 3 TUFF ZONE

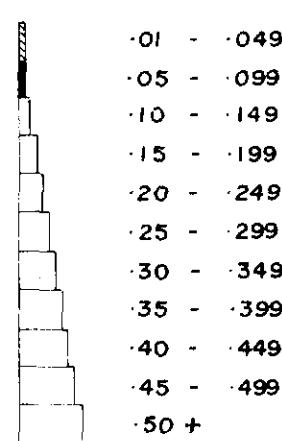
BAIRD TWP., ONTARIO

SCALE : 1" = 40'





ASSAYS : OZS. GOLD



AIKEN-RUSSET RED LAKE GOLD MINES LTD.

GEOLOGICAL SECTION

D.D.H. - 68-18, 74-8, 74-21

FEB 27 1974  
J. L. TINDALE

NO. 3 TUFF ZONE

BAIRD TWP., ONTARIO

SCALE : 1" = 40'

- 8 Lamprophyre dike
- 7 Russet Lake talc
- 6 Brown tuff
- 5 Chloritic tuff
- 4 Andesite
- 2 Diorite



330

63-3098 (5.8 sq ft)

215°

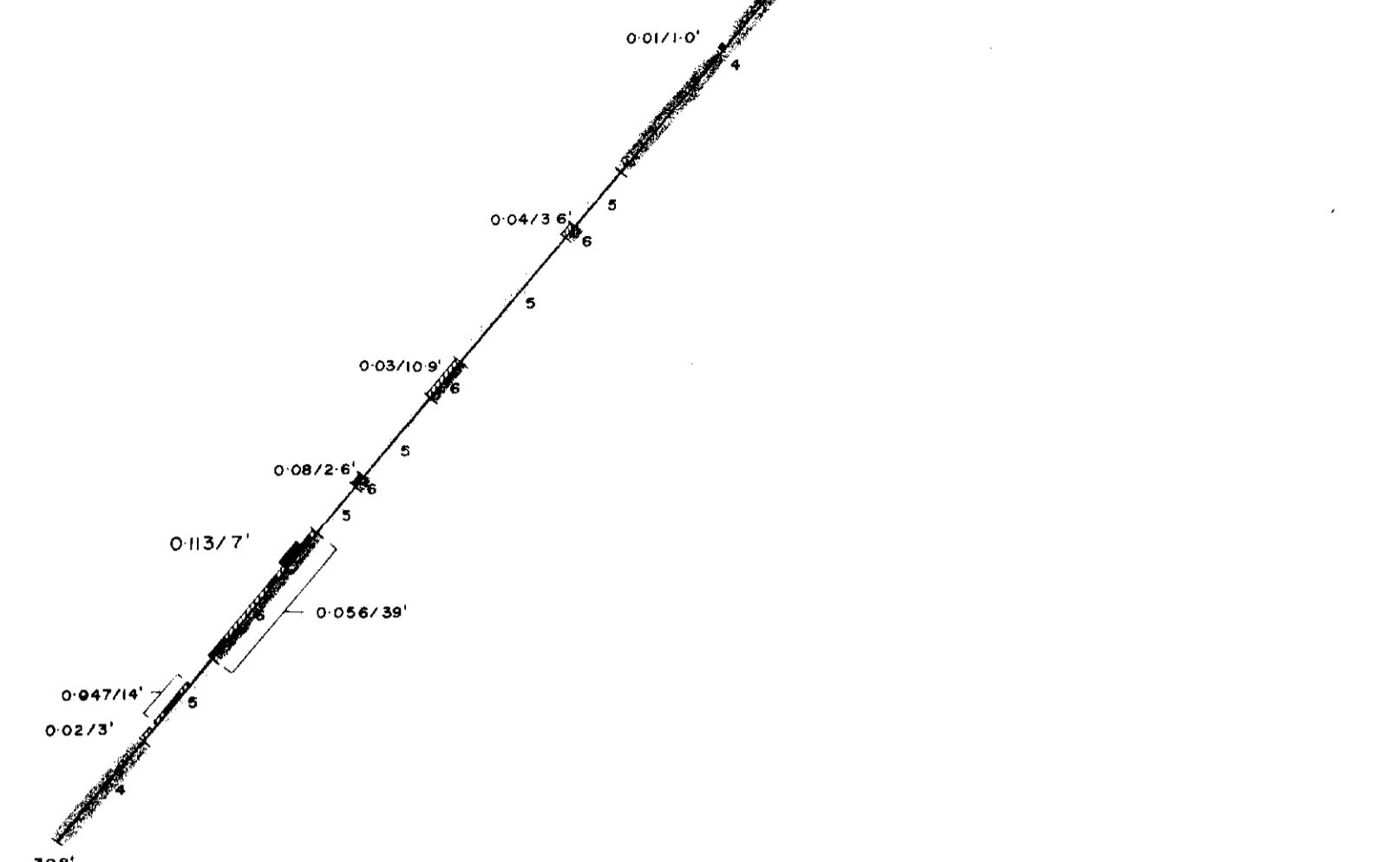
74-1 (50°)

Casing

Russet Lake

Russet Lake

LAKE LEVEL 00



100'

200'

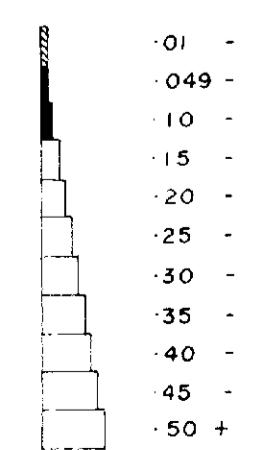
300'

400'

500'

600'

## ASSAYS : OZS. GOLD



AIKEN-RUSSET RED LAKE GOLD MINES LTD.

## GEOLOGICAL SECTION

D.D.H. - 74-1

NO. 3 TUFF ZONE

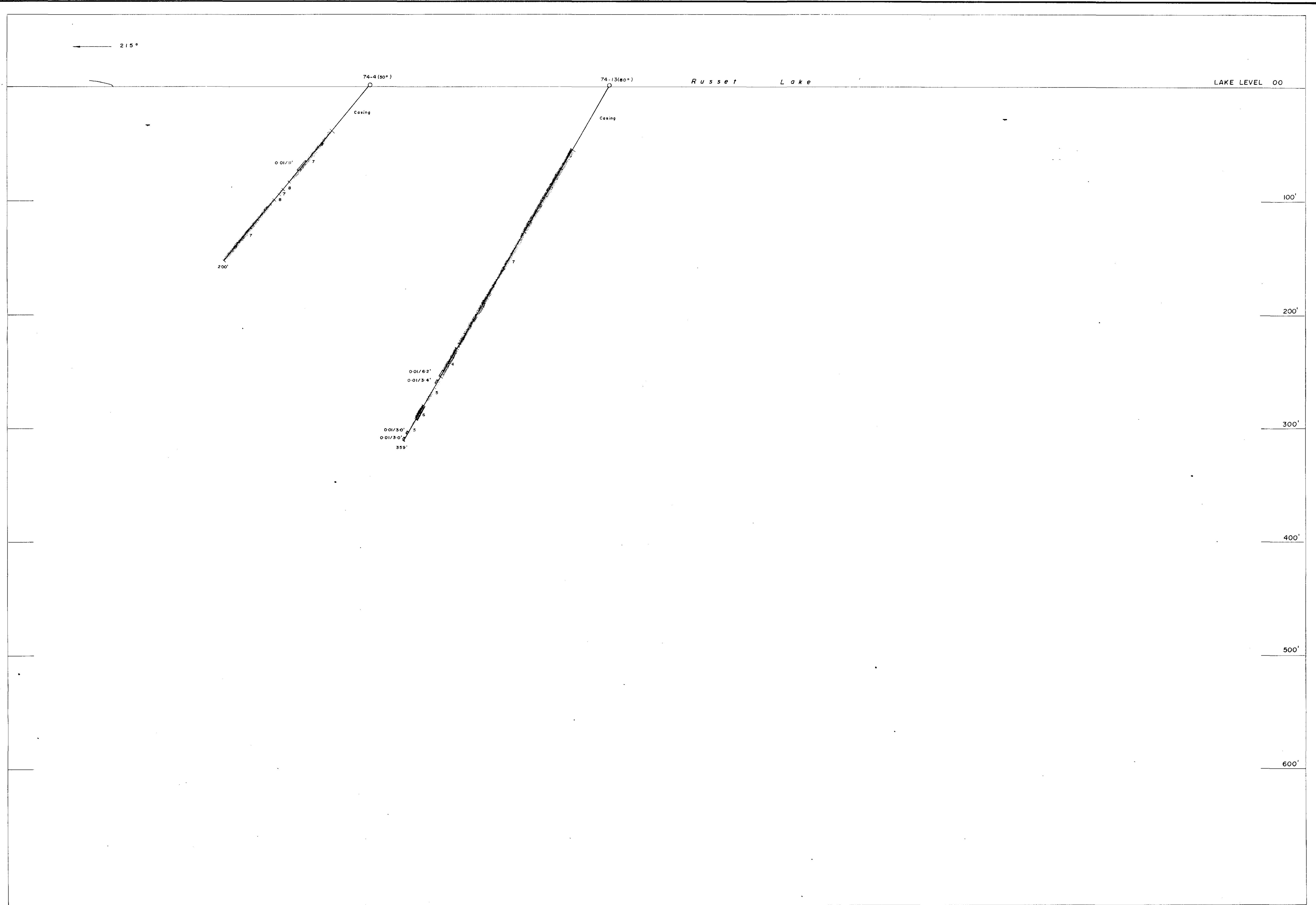
BAIRD TWP., ONTARIO

SCALE : 1" = 40'



- |   |                  |
|---|------------------|
| 8 | Lamprophyre dike |
| 7 | Russet Lake tuff |
| 6 | Brown tuff       |
| 5 | Chloritic tuff   |
| 4 | Andesite         |
| 2 | Diorite          |





- 8 Lamprophyre dike
- 7 Russet Lake talc
- 6 Brown tuff
- 5 Chloritic tuff
- 4 Andesite
- 2 Diorite

## ASSAYS : OZS. GOLD

|    |        |
|----|--------|
| 01 | - .049 |
| 05 | - .099 |
| 10 | - .149 |
| 15 | - .199 |
| 20 | - .249 |
| 25 | - .299 |
| 30 | - .349 |
| 35 | - .399 |
| 40 | - .449 |
| 45 | - .499 |
| 50 | + .50  |

AIKEN - RUSSET RED LAKE GOLD MINES LTD.

## GEOLOGICAL SECTION

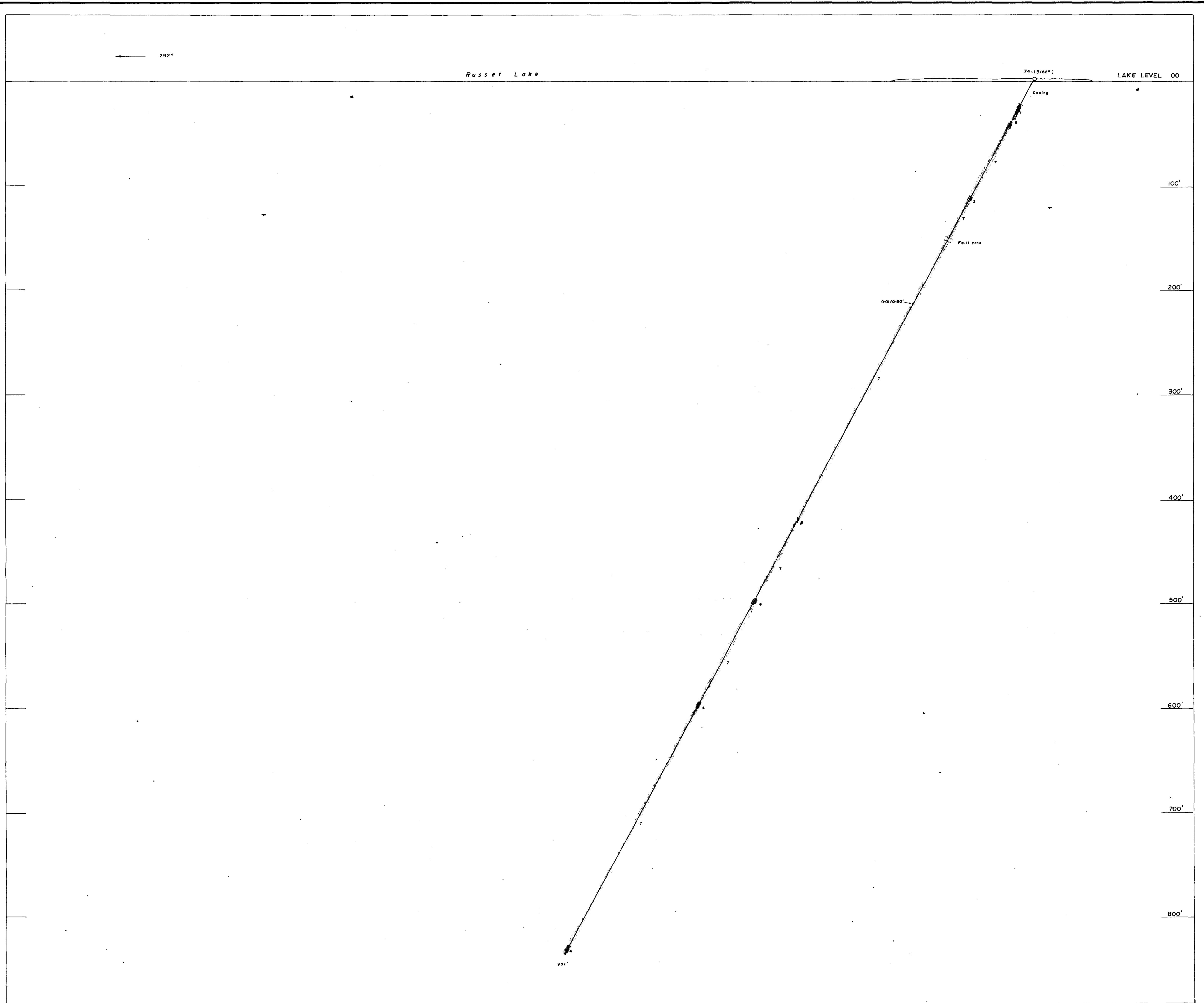
D.D.H. - 74-4, 74-13

NO. 3 TUFF ZONE

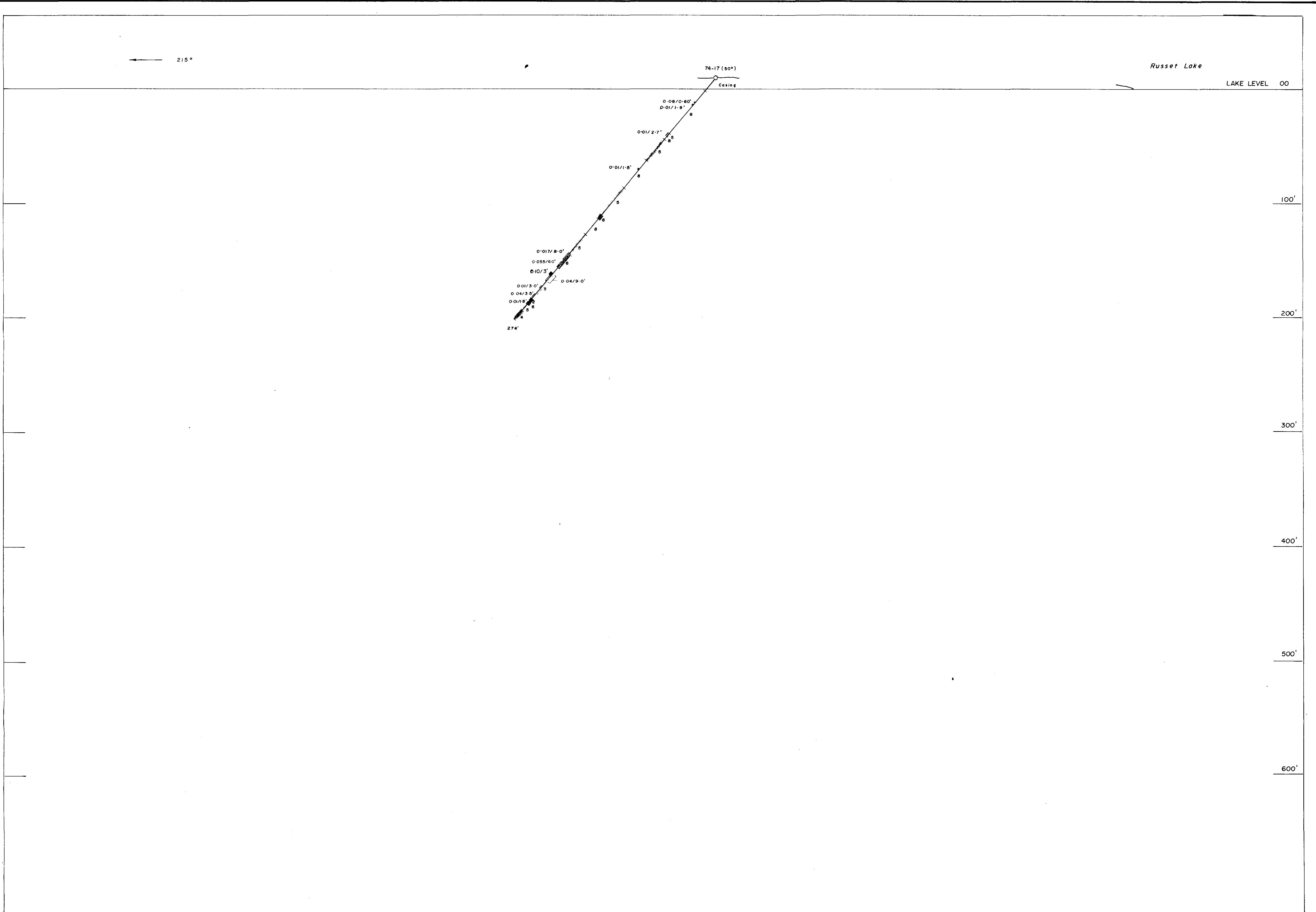
BAIRD TWP., ONTARIO

SCALE : 1" = 40'

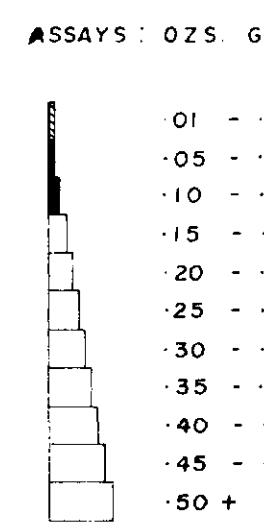




- ASSAYS : OZS. GOLD
- |     |      |
|-----|------|
| .01 | .049 |
| .05 | .099 |
| .10 | .149 |
| .15 | .199 |
| .20 | .249 |
| .25 | .299 |
| .30 | .349 |
| .35 | .399 |
| .40 | .449 |
| .45 | .499 |
| .50 | +    |
- AIKEN-RUSSET RED LAKE GOLD MINES LTD.  
GEOLOGICAL SECTION  
D.D.H. - 74-15
- J. L. TINDALE  
FEB 27 1974
- REGISTERED PROFESSIONAL GEOSURVEYOR  
J. L. TINDALE  
PROVINCE OF ONTARIO
- BAIRD TWP., ONTARIO  
SCALE: 1" = 40'
- 63-3098 (64 ft)
- 52N040X0243 63,3098 BAIRD TWP.
- 360



- 8 Lamprophyre dike
- 7 Russet Lake tuff
- 6 Brown tuff
- 5 Chloritic tuff
- 4 Andesite
- 2 Diorite



AIKEN - RUSSET RED LAKE GOLD MINES LTD.  
GEOLOGICAL SECTION  
D.D.H. - 74-17  
NO. 3 TUFF ZONE  
BAIRD TWP., ONTARIO  
SCALE : 1" = 40'  
FEB 27 1974

← 270°

74-18(50°)

LAKE LEVEL OO

8

Casing

7

6

5

4

3

2

1

100'

200'

300'

400'

500'

600'

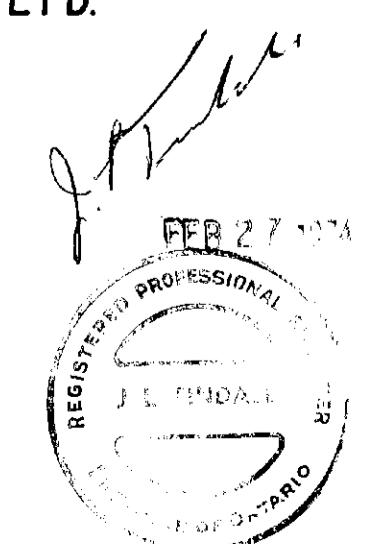
ASSAYS : OZS. GOLD

|   |           |
|---|-----------|
| 8 | 01 - .049 |
| 7 | 05 - .099 |
| 6 | 10 - .149 |
| 5 | 15 - .199 |
| 4 | 20 - .249 |
| 3 | 25 - .299 |
| 2 | 30 - .349 |
|   | 35 - .399 |
|   | 40 - .449 |
|   | 45 - .499 |
|   | 50 +      |

AIKEN-RUSSET RED LAKE GOLD MINES LTD.

GEOLOGICAL SECTION

D.D.H. - 74-18



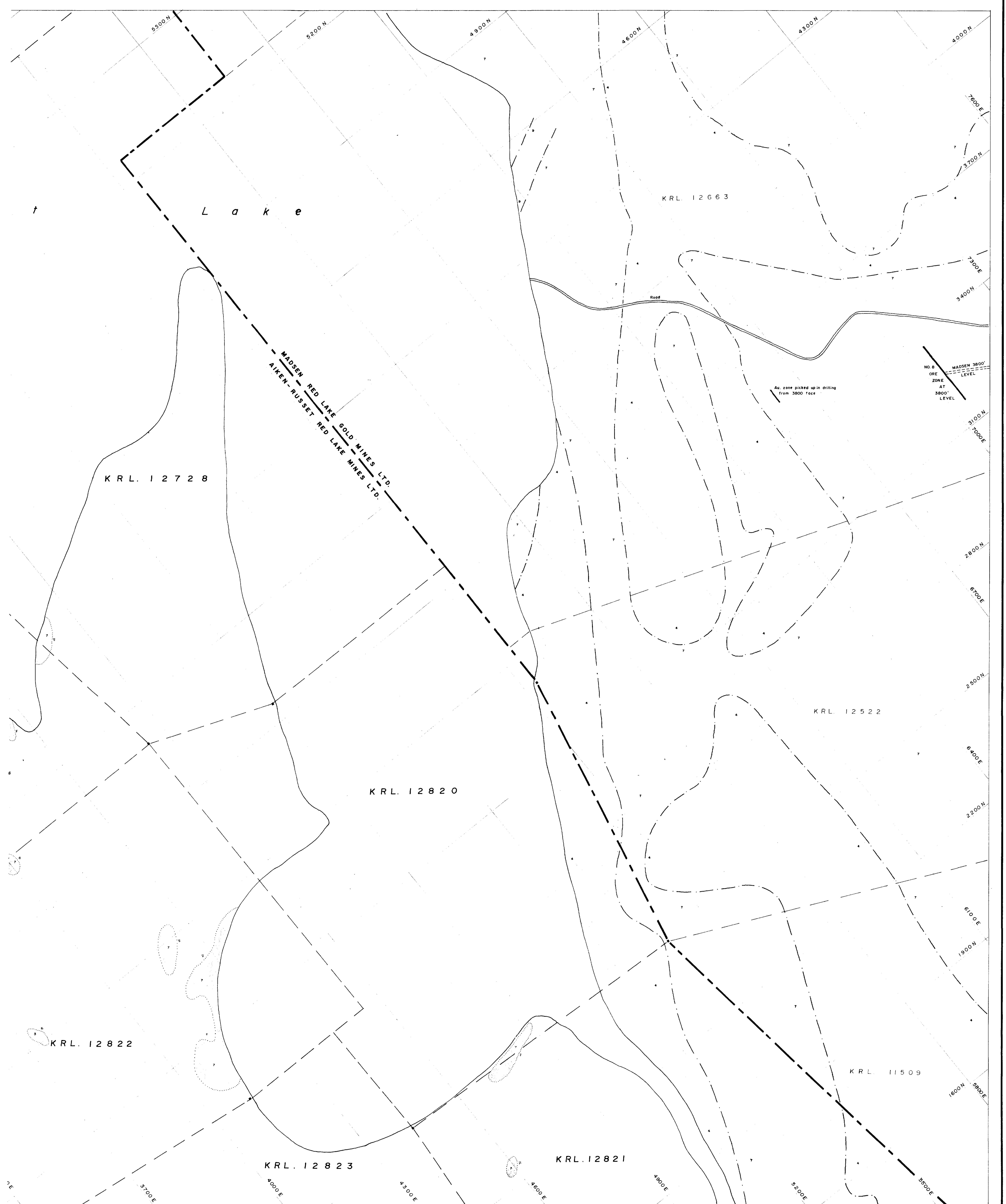
BAIRD TWP., ONTARIO

SCALE : 1" = 40'

63-3098 (5sq ft)

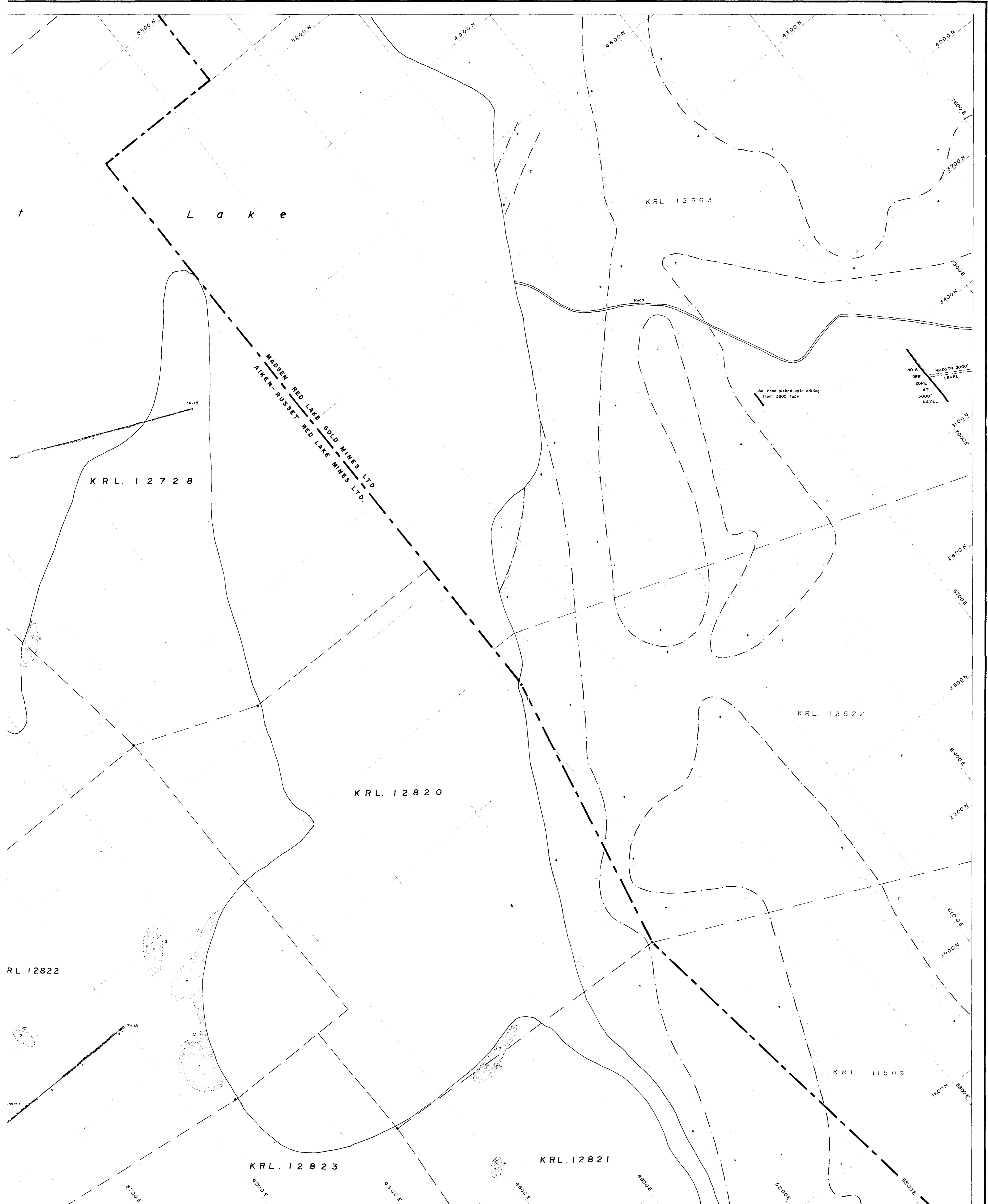
- 8 Lamprophyre dike  
7 Russet Lake talc  
6 Brown tuff  
5 Chloritic tuff  
4 Andesite  
2 Diorite





GEOLOGICAL MAP  
AIKEN - RUSSET RED LAKE MINES LTD.  
BAIRD TWP., ONTARIO  
SCALE : 1" = 100'

do?



GEOLOGICAL MAP  
AIKEN-RUSSET RED LAKE MINES LTD.  
BAIRD TWP., ONTARIO

SCALE : 1" = 100'  
FEB 27 19 J.L.T.  
REGISTERED PROFESSIONAL ENGINEER  
ROBERTSON