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52J02SW0004 63.5040 FOURBAY LAKE

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ALMADEN RESOURCES CORPORATION

KING BAY PROPERTY

STURGEON LAKE (N.W.ONTARIO)

DRILL PROGRAM JANUARY/FEBRUARY 1987

project no.: 1193

NTS 52J/2

claim map : Fourbay Lake

R. van Enk

Dryden, march 31, 1987

**ALMDEN RESOURCES CORPORATION****KING BAY PROPERTY: DRILL PROGRAM JANUARY/FEBRUARY 1987****CONTENTS**

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- II ASSAY RESULTS

PLANS AND SECTIONS (in backpocket)

DRILL PLAN	1/500
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CROSS SECTION LINE 0+80E	1/500
CROSS SECTION LINE 1+00E	1/500
CROSS SECTION LINE 1+10E	1/500
CROSS SECTION LINE 1+30E	1/500
CROSS SECTION LINE 1+40E	1/500
CROSS SECTION LINE 1+50E	1/500
CROSS SECTION LINE 1+75E	1/500

ALMADEN RESOURCES CORPORATION

KING BAY PROPERTY, DRILL PROGRAM JANUARY/FEBRUARY 1987

INTRODUCTION

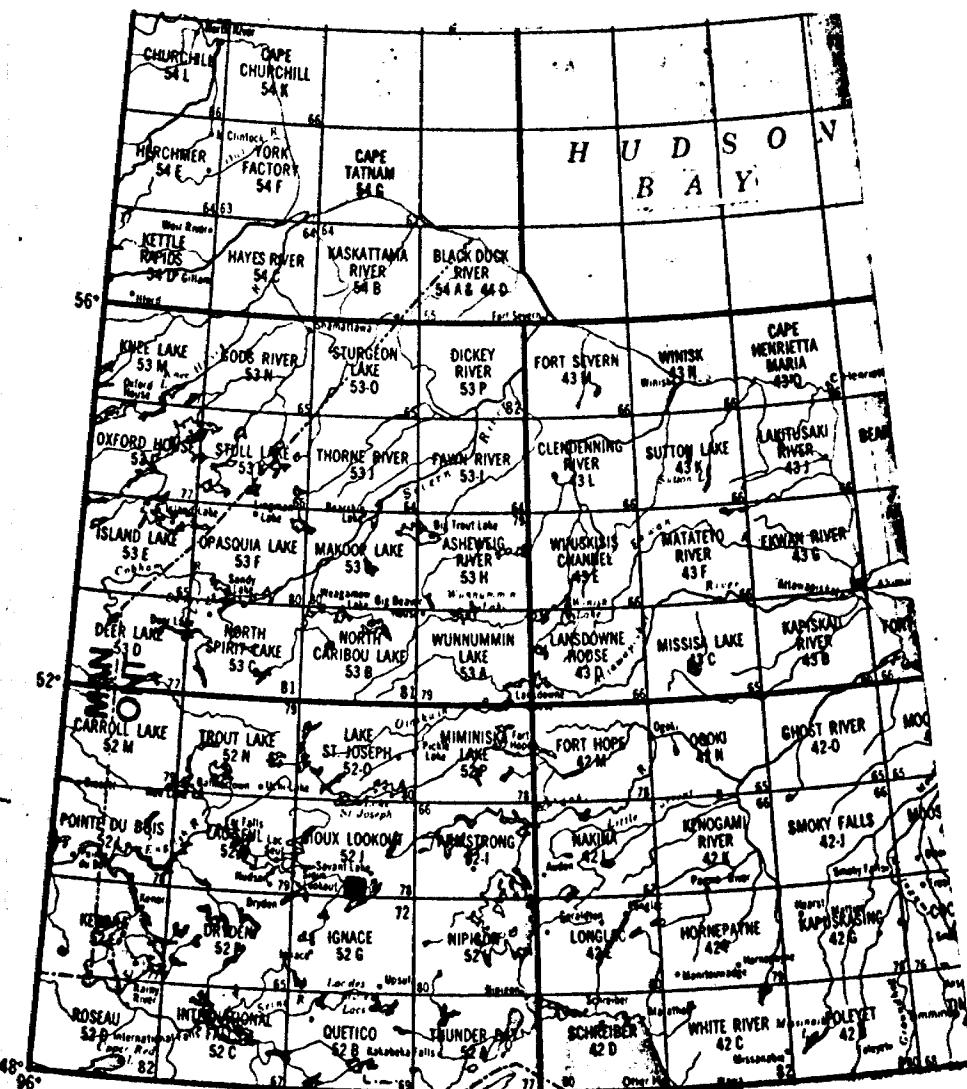
From january 29 to february 27, 1987 924.3 meters(3032.5 ft.) of diamond drilling were carried out on Almaden Resources Corporation's King Bay property on Sturgeon Lake,N.W.Ontario. The main purpose of this drilling was to asses a tonnage figure indicated by earlier work in the central or pit area of the property; holes KB-87-1 to KB-87-10 served this objective. Hole KB-87-11 was designed to check a westward, down-plunge extension of the "pit zone" and KB-87-12 was to test mineralization under old trenches approximately at coordinates 2+20W,1+20S. These trenches are accompanied by anomalous VLF characteristics similar to those encountered in the pit area. Table I gives a summary of holes KB-87-1 to 11.

TABLE I

<u>Hole no.</u>	<u>Coordinates</u>	<u>Depth</u>	<u>Angle</u>	<u>Claim no.</u>
KB-87-1	0+92E,0+15S	41.1m.	-50°	437022
KB-87-2	0+89E,0+63S	71.7m.	-50°	437022
KB-87-3	0+79E,0+33S	66.1m.	-45°	437022
KB-87-4	1+50.5E,0+43S	56.1m.	-45°	437022
KB-87-5	1+50E,0+71S	90.5m.	-45°	437022
KB-87-6	1+68E,0+50S	77.7m.	-45°	475232
KB-87-7	1+40E,0+40S	57.0m.	-45°	437022
KB-87-8	1+30E,0+74S	84.4m.	-45°	437022
KB-87-9	1+40E,0+77S	93.6m.	-50°	437022
KB-87-10	1+18E,0+46S	53.0m.	-45°	437022
KB-87-11	0+50E,1+08S	151.5m.	-60°	475234
KB-87-12	2+25W,1+51S	61.6m.	-45°	487674

904.3m.

Holes KB-87-1 and KB-87-2 were drilled by Delorme Diamond Drilling of Surrey,B.C., whereas holes KB-87-3 through KB-87-12 were drilled by Midwest Diamond Drilling of Winnipeg, Man.



PROPERTY LOCATION

Figure 1: King Bay property location

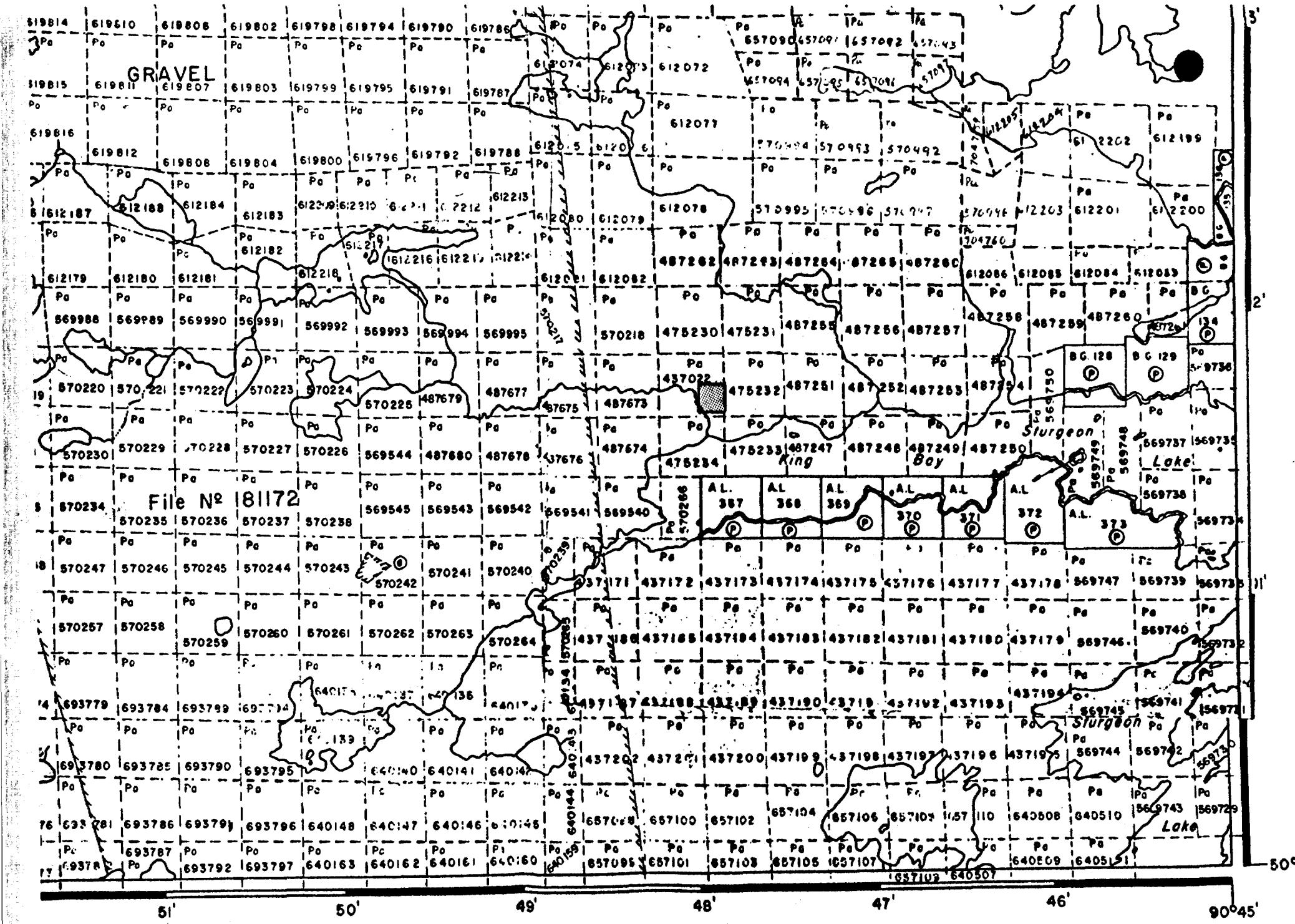


Figure 1a: part of claim map M-2879(Fourbay Lake)

pit area

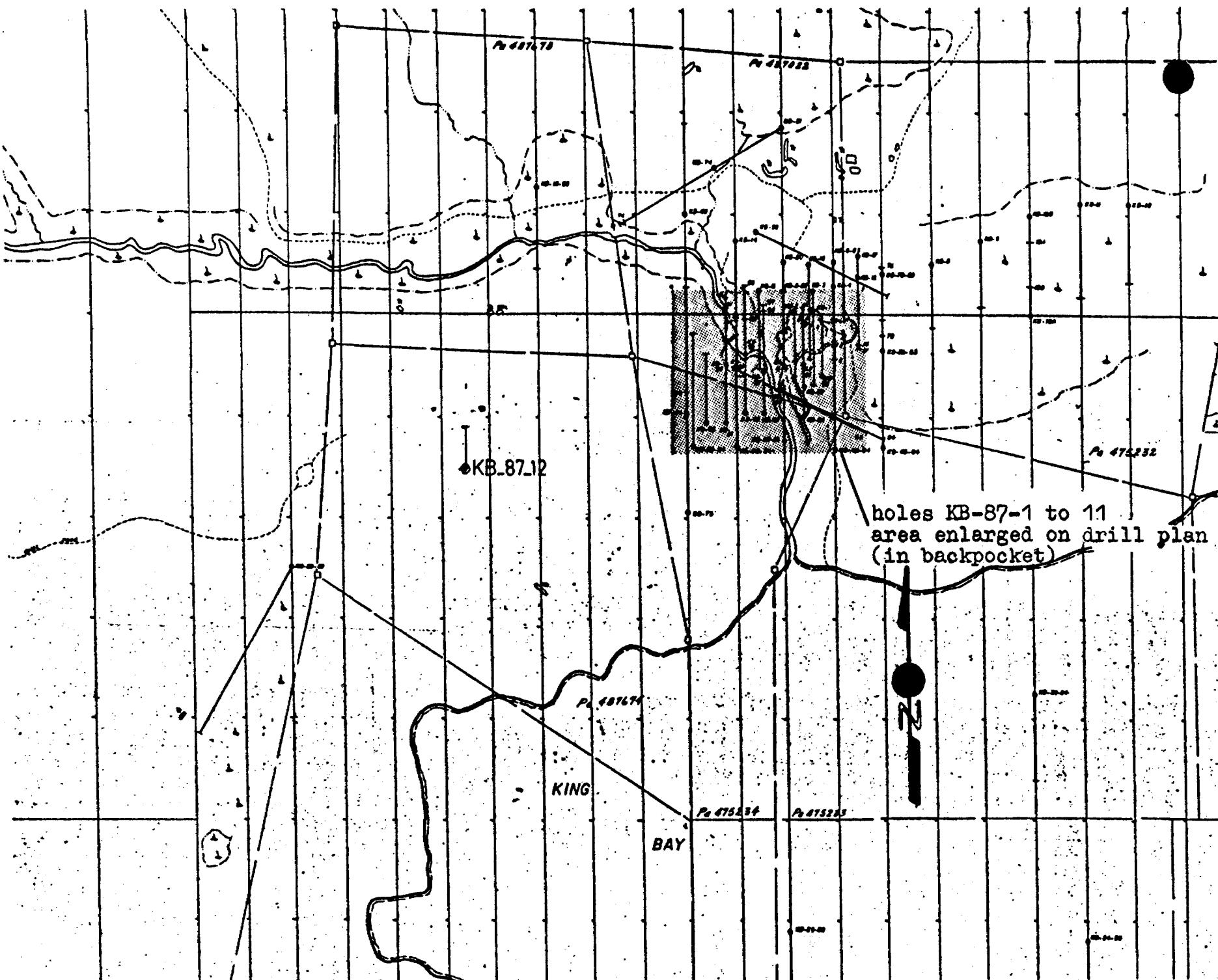


Figure 2: Location of drill holes KB-87-1 to 11

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The program was supervised and the core logged by Norontex Exploration of Dryden, Ont. The core samples were assayed by Paul's Custom Fire Assaying in Cochenour, Ont.

The core is stored on the property, with the exception of certain sections which have been taken to Dryden for further examination and/or sampling

LOCATION, ACCESS

The King Bay property is located north and west of King Bay of Sturgeon Lake, N.W.Ontario(see fig. 1). The area is covered by NTS map 52J/2(1/250 000) and by claim map M2879 (Fourbay Lake).

Access to the property is via Highway 599, leading from Ignace on the Trans Canada Highway to Pickle Lake and via the Sixmile Lake logging road which turns south off the highway 26 kms south of Savant Lake. An east turn onto a bush road some 9 kms after leaving the highway finally leads to the property. This road (3 kms.) generally necessitates the use of a fourwheel drive vehicle.

GEOLOGY

The geology of the Sturgeon Lake area has been studied by N.F.Trowell(Geology of the Sturgeon Lake Area, O.G.S. Report 221, 1983, and: Geology of the Squaw Lake-Sturgeon Lake Area, O.G.S. Report 227, 1983). Rocks underlying the King Bay property consist of mafic volcanic flows with narrow intercalations of sediments and felsic to intermediate tuffs. These rocks are part of a wide east-west trending belt of volcanic rocks, identified by Trowell as the Jumping-Sixmile Lake cycle of the Sturgeon Lake

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metavolcanic-metasedimentary belt.

More detailed geological work has been done by various companies on the King Bay property. The outcome of this work will not be discussed here in detail. Reference is made to the reports of Steeprock Resources Inc, Hudson Bay Exploration and Development Company Ltd. and Falconbridge Nickel Mines Ltd.

Within the scope of this report it suffices to state that the main result of previous exploration work has been the delineation of a goldbearing structure, consisting of a number of blue-grey quartz veins, which are contained within an alteration zone of 1-7m. wide. This alteration zone strikes at a westerly to west-southwesterly direction and dips steeply to the south.

RESULTS OF CURRENT DRILLING

All holes drilled during the january/february 1987 program intersected the alteration zone and several returned goldbearing intersections of economic interest. The results are presented in Table II. Sections of these holes are presented on 9 cross sections in the backpocket of this report. The location of the holes KB-87-1 to KB-87-11 is plotted on a Drill Plan (also in backpocket). This plan also shows the vertical projection of the goldbearing intersections. Because of the uncertain attitude of most of the quartz veins it is difficult to convert the core length of the intersections to true width.

INTERPRETATION

Mineralization, alteration

Gold mineralization in the pit area of the King Bay property

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TABLE II

<u>hole no.</u>	<u>alteration</u>	<u>intersection</u>	<u>core length</u>	<u>average grade</u>
	from to	from to	(meters)	g/t Au
KB-87-1	19.7-25.0 33.4-37.5	34.47-35.14	0.67	0.3 (v.g.)
KB-87-2	26.8-31.1 48.4-59.2	25.74-25.93 50.69-51.15	0.19 0.46	8.2 13.6 (v.g.)
KB-87-3	44.0-55.3	48.01-49.32	1.31	36.9 (v.g.)
KB-87-4	38.1-47.9 50.9-53.6	40.69-41.76	1.07	10.0 (v.g.)
KB-87-5	71.8-77.1			
KB-87-6	53.1-55.2 56.2-58.5	56.66-56.94	0.28	11.0
KB-87-7	22.5-24.9	23.10-23.32	0.22	112.0 (v.g.)
KB-87-8	65.8-76.2 77.7-83.3	67.39-67.73 73.76-73.94	0.34 0.18	19.9 (v.g.) 22.6 (v.g.)
KB-87-9	82.1-83.6			
KB-87-10	38.2-41.4			
KB-86-11	92.0-98.1 115.9-118.5 124.4-127.7 129.2-139.0	132.80-133.17	0.37	9.6 (v.g.)

occurs almost invariably in blue-grey quartz veins located in alteration zones of up to 7 m. wide.

Table II shows that most of the auriferous intersections contain visible gold (v.g.), which is found as small isolated specks, generally less than 1 mm. in size. This mode of occurrence leads to the conclusion that the gold mineralization in the pit area of the King Bay property is of the free milling type. It also may be the cause of some low assay returns from intersections in which gold was clearly visible.

The alteration containing the auriferous veins consists of strong carbonate and pyrrhotite enrichment and local fracturing

with carbonate fracture filling. The altered rock has a grey to buff colour. In several holes the alteration is associated with intercalations of dacitic tuff and cherty or shaly sediments. In these rocks the carbonate and pyrrhotite enrichment is accompanied by sericitization and talc development.

In general the 1987 drilling confirms the intersections encountered during earlier programs with the exception of the longer intersections in holes drilled from the north, e.g. KB-4 (61.8 g/t over 6.70 m.), KB-3(7.5 g/t over 3.3 m.) and KB-5 (41.1 g/t over 3.32 m.). It must be assumed that these intersections are due to drilling with the dip of the vein(s). This is in agreement with the fact that the cross sections show the mineralized structure almost invariably dipping to some degree to the south.

It is difficult to determine the true width of the mineralized intersections, as core angles vary considerably and individual veins cannot be correlated from hole to hole.

Structure

Correlation of the individual goldbearing veins from hole to hole is virtually impossible. To envisage a model of the mineralization becomes somewhat easier by taking into consideration the intersection of the alteration zone(s) instead of the quartz veins. The best fitting model is a structure which, in N-S section, looks as a slightly forward leaning y (see figure 3).

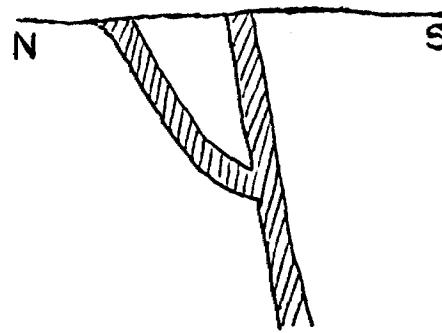


Figure 3

The leg of the structure represents the main alteration zone. This zone outcrops as the almost westerly striking part of the vein structure in the central pit. The limb of the y

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represents the northwesterly striking portion of the vein structure in the pit. The difference in strike between the two portions is obtained by letting the line of intersection (where leg and limb meet) plunge at an angle of some 35 to 40° to the west.

Evidence for this model is best illustrated by cross sections 0+80 E and 1+00 E. The main zone has been intersected as far west as line 0+00 in hole KB-64 and possibly in hole KB-87-12 on line 2+25 W. Drill intersections to the west of the pit area indicate that the main zone dips steeply to the south and may locally consist of several subzones separated by unaltered rock. Within the main zone gold bearing intersections occur in a "shoot" plunging at about 40° to the west. Gold has been intersected as far west as 0+50 E within the shoot. Holes further to the west may very well have "over- or undershot" the mineralization. Consequently the mineralized zone remains open to the west.

CONCLUSIONS, RECOMMENDATIONS

The current drill program on the King Bay property in combination with results of earlier work has led to the following conclusions:

- 1) Gold mineralization in the pit area of the King Bay property occurs in a number of discontinuous blue-grey quartz veins, generally less than 40 cms. in width.
- 2) The auriferous veins are located in an altered structure which, in N-S section resembles a γ , the leg of which represents the main alteration zone. The main zone trends east-west and dips steeply to the south. Locally it consists of several sub-zones separated by unaltered rock. Widths of the individual zones vary from 1 to 7 m.
- 3) Some of the best intersections in earlier drilled holes are due to drilling with the dip of the veins in the lower portion of the limb of they.

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- 4) Conclusions 1) and 3) considerably diminish the potential for small scale mining of the pit area of the King Bay property.
- 5) Within the main zone auriferous intersections occur in a shoot plunging at an angle of about 40° to the west. This goldbearing shoot is open to the west.

It is therefore recommended to direct further exploration efforts to the extension of the main alteration zone west of the pit area. In addition, the regional potential of this zone should be explored.



Rein J. van Enk, MSc.
Dryden, march 31, 1987

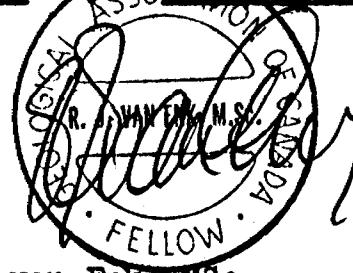
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CERTIFICATE

I, Rein van Enk, hereby certify that:

- 1) I am a consulting geologist residing at Dryden, Ont.
- 2) I am a graduate of the State Universities of Groningen and Utrecht, the Netherlands, and hold a Bachelor of Science and a Master of Science degree in Geology, Geophysics and Petrography.
- 3) I have been practising my profession as a geologist in Africa, Central America and Canada since 1971
- 4) I am a Fellow of the Geological Association of Canada
- 5) I am a member of the Association of Exploration Geochemists
- 6) I have no interest, either direct or indirect, nor do I expect to receive any interest, either directly or indirectly, in the property described in this report

Dated at Dryden, Ont., this 3rd day of April, 1982



Rein van Enk, MSc.

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ALMADEN RESOURCES CORPORATION

KING BAY PROPERTY: DRILL PROGRAM JANUARY/FEBRUARY 1987

ANNEX I

DRILL LOGS HOLES KB-87-1 to KB-87-12

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY King Bay		CLAIM NO. Pa 437022	BEARING 27°	LAT: $0+92\text{ E}$	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-1		
DAY STARTED jan.29, 1987 DAY COMPL. jan.31		SIZE NQ	ANGLE 50°	DEP: 0+15 S	TOTAL DEPTH 41.1 m.			
LOGGED BY R. van Enk,		GRID NO. 52J/2	ELEV: 2 m.		PAGE NO. 1			
FOOTAGE (metric)	Rock Classification	MINERALIZATION						
From	To	Type	%	Sample				
0	3.0	overburden(casing)						
		sand, boulders						
3.0	19.72	pillow lavas						
		dark green; andesitic; massive in places;		8201	6.49-7.01 numerous, very thin (1mm.) carb. veinlets at core angle of 60°			
		brecciated selvages; interval depths						
		approximate in first 13 m. due to sections of ground core; 7.0-7.5 m. recovery 50%		8202	8.11-8.51 partially brecciated epidote, qtz/carb.			
				8203	8.51-9.18 partially brecc., qtz/ carb.			
				8204	9.18-10.37 partially brecc., qtz/carb., some po/py blebs, includes pillow selvage			
19.72	24.96	felsic volcanics (tufts?)		8205	20.59-21.50 fractured, carbo- nate fracture filling, no sul- phides			
		greenish grey; carbonatized; fractured;						
		fractures filled with white to locally pink carbonates; upper contact of section		8206	21.50-22.11 as above, occasional blue qtz mixed with carbonate			
		at core angle of $60-65^{\circ}$, lower contact gradual		8207	22.11-23.18 as above, with 7 blue/grey qtz veinlets(0.5- 4cm.) at high core angles, v.g.(?) at 72.6			

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY	CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-1
DAY STARTED	J.V. NO.	ANGLE	DEP:		TOTAL DEPTH
LOGGED BY	GRID NO.	NTS	ELEV:		PAGE NO. 2

FOOTAGE metric		Rock Classification	MINERALIZATION			oz/ton Au	oz/ton Ag	Avg.	
From	To		Type	%	Sample				
-24.96	38.43	<u>pillow lavas, as 3.0-19.72</u> <u>dark green; some brecciated selvages;</u> <u>altered(carbonatized) section from 33.4</u>			8208 8209 8210	23.18-23.67 as 8205 23.67-24.16 as 8205 26.84-27.14 contains 10 cm. of brecciated pillow selvage, epi- dote			
	37.52				8211 8242 8213	32.48-32.73 pillow selvage 33.40-33.86 carb. veinlets, as 8201 33.86-34.47 fractured with carb. filling			
			V.G.		8244	34.47-35.14 intensely altered, 2 qtz veins(1.5 and 2 cm.) at 34.84 and 34.92, v.g. at 34.88 1% po, tr. cpy.; qtz. veins at core angles of 60°			
38.43	41.1	<u>andesite/basalt</u> <u>dark green; massive; dyke?</u>			8215 8216 8201 8217	35.14-35.75 as 8213 35.75-36.66 carb. veinlets, as 8201 36.66-37.27 carb. veinlets up to 3 mm., po blebs			
		<u>END OF HOLE AT 41.1 METERS</u> <u>(casing pulled)</u>							

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EXPLORATION LOG SHEET

PROPERTY King Bay	CLAIM NO. Pa 437022	BEARING 17°	LAT: 0+89 E	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-2
DAY STARTED febr.2, 1987 DAY COMPL. febr.4	SIZE. NQ	ANGLE -50°	DEP: 0+63 S		TOTAL DEPTH 21.68m.
LOGGED BY R. van Enk	GRID NO.	NTS 52J/2	ELEV: 1 m.		PAGE NO. 1

From	To	Rock Classification	MINERALIZATION			oz/ton Au	oz/ton Ag	Avg.
			Type	%	Sample			
0	7.3	overburden (casing)						
		sand, boulders						
7.3	18.0	pillow lavas						
		dark green; selvages with epidote; thin						
		carbonate veinlets at varying core						
		angles						
18.0	21.7	dacite(?)			8218	18.0-18.30 carb.veinlets, 2 cm.		
		grey-green; numerous carbonate veinlets				qtz.vein with py blebs		
		up to 3 mm.; possibly altered equivalent			8219	19.09-19.70 more frequent carb.		
		of previous section; contact with next				veinlets, small breccia pod		
		section gradual			8220	20.65-20.95 altered dacite		
					8221	20.95-21.11 10 cm. white qtz+		
						py blebs, some cpy, sample in-		
					8222	cludes some wallrock		
						21.11-21.41 as 8220		
21.7	26.75	mafic tuff						
		dark green; medium grained			8223	25.74-25.93 brecciated with		
						carb.veinlets, py pods+stringers		
26.75	31.11	mafic lava			8224	28.52-28.98 altered lava, 1 nar-		
		grey green; andesitic; fractured with carb.				row qtz/carb veinlet		
		fracture filling			8225	28.98-29.34 several irregular,		
						contorted, brecciated grey qtz,		
						carb/py veinlets		

DIP TESTS ON PAGE ...3.....

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EXPLORATION LOG SHEET

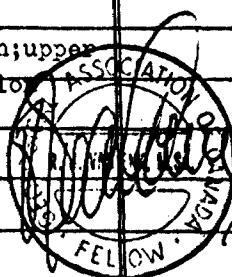
PROPERTY			CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-2
DAY STARTED		DAY COMPL.	J.V. NO.	ANGLE	DEP:		TOTAL DEPTH
LOGGED BY			GRID NO.	NTS	ELEV:		PAGE NO. 2
FOOTAGE	Metric		Rock Classification	MINERALIZATION			
From	To			Type	%	Sample	oz/ton Au oz/ton Ag Avg
26.75	31.11		cont.			8226	29.34-30.20 altered wallrock as 8224; 2 brecciated qtz/carb veinlets; less sulphides than 8225
31.11	31.96		<u>mafic dyke (gabbro)</u> dark green; medium grained				
31.96	33.40		<u>mafic tuff</u> dark green; fine grained				
33.40	35.47		<u>felsic tuff (chemical sediment?)</u> grey green; very fine, in places cherty; po/py enriched from 34.16-34.89 (semi- massive py from 34.84-34.89); fractured from 34.89-35.40			8227	34.16-34.89
35.47	48.43		<u>mafic to intermediate tuffs</u> grey green; fine to medium grained; slight ly porphyritic; lower part of section increasingly fractured; 131.5-134.0 irreg- ular carb/epidote/hematite veinlets			8228	40.63-40.87

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-2
DAY STARTED		J.V. NO.	ANGLE	DEP:		TOTAL DEPTH
LOGGED BY		GRID NO.	NTS	ELEV:		PAGE NO. 3
FOOTAGE metric		Rock Classification	MINERALIZATION			
From	To		Type	%	Sample	oz/ton Au oz/ton Ag Avg.
48.43	59.23	altered tuff			8229	48.71-49.01 altered, fractured tuff
		grey to buff; strong carbonate alteration; locally sericitic and talcose; fractured with carbonate fracture filling			8230	49.01-49.47 2 irregular grey qtz veins(1-2 cm.) at core angles 45-75°, py/po
					8231	49.47-50.08 as 8229
					8232	50.08-50.69 as 8229, tr-½% po
			V.G.		8233	50.69-51.15 3 irregular grey qtz veinlets at varying core angles, 1-5 cm. wide, po/py, tr. cpy, few specks of v.g.
					8234	50.69-51.45 as 8229
					8238	56.43-56.70 altered tuff
					8237	56.70-56.91 blue/grey qtz vein few blebs of po/py
59.23	71.86	mafic tuff			8236	56.91-57.21 altered tuff
		medium to fine grained; dark green; upper portion slightly altered, alteration decreasing with depth			8235	58.35-58.65 altered tuff; 1 narrow(½ cm.) irr. grey qtz vein
		END OF HOLE AT 71.86 METER			8239	58.87-59.23 3 qtz veinlets (1.5-0.3 cm.) at various c.a.
		dip test at 71.80 m. uncorr. 49.5° corr. 44°			8240	62.74-63.13 fractured, white/grey qtz fracture filling
		(casing pulled)				



DIP TESTS ON PAGE ...?.....

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EXPLORATION LOG SHEET

PROPERTY <u>King Bay</u>		CLAIM NO. <u>437022</u>	BEARING <u>3°</u>	LAT: <u>04° 59' E</u>	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST: 85 m. W and 67 m. N of no. 2 post	HOLE NO. <u>KB-87-3</u>
DAY STARTED <u>feb. 20, 1987</u> DAY COMPL. <u>feb. 21</u>		SIZE <u>BQ</u>	ANGLE <u>-45°</u>	DEP: <u>0+33 S</u>	TOTAL DEPTH <u>66.1m.</u>	
LOGGED BY <u>R. van Enk</u>		GRID NO. <u>52J/2</u>	NTS <u>52J/2</u>	ELEV: <u>1.5 m.</u>	PAGE NO. <u>1</u>	
FOOTAGE metric		MINERALIZATION				
From	To	Rock Classification	Type	%	Sample	oz/ton Au oz/ton Ag Avg
0	22.9	<u>overburden</u> <u>sand, boulders</u>				
22.9	34.9	<u>pillow lavas</u> green to dark green; fine to medium grained grain size increasing from 26.5m.; selvages 1-10 cm. wide with caoite-epidote filling (locally brecciated, esp. from 22.5-26.1m.; thin hematite stringers at 28.5m); locally fractured with fine cal- cite stringers, more intense fracturing from 20.1-21.3 with very irregular carb. stringers and some grey quartz			8241 8242 8243	20.88-21.49 irr.qtz/carb strin- gers, some grey qtz 23.16-23.47 selvage breccia 24.08-24.38 as 8241
-34.9	39.9	<u>mafic to intermediate lavas</u> green; medium to fine grained; contacts with overlying and underlying sections gradual; possibly massive flow; narrow carbonate and qtz/carbonate seams at core angles of 45° and 25-30°; slight fracturing from 38.4-39.3			8244	39.01-39-62 fractured with carb. stringers

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-3
DAY STARTED _____ DAY COMPL. _____		J.V. NO. _____	ANGLE _____	DEP: _____		TOTAL DEPTH _____
LOGGED BY _____		GRID NO. _____	NTS _____	ELEV: _____		PAGE NO. 2
FOOTAGE metric	Rock Classification		MINERALIZATION			
From	To		Type	%	Sample	oz/ton Au oz/ton Ag Avg
39.9	44.0	<u>pillow lavas</u>	..			
		as 22.9-34.9				
44.0	55.3	<u>alteration zone</u>				
		grey to buff; fine grained; talc-sericite			8245	
		alteration; fractured with calcite fracture filling; probably altered pillow lavas;			8246	46.63-46.93 fractured with carb. filling
		1-2% po finely disseminated and on jointing and fracture planes; 46.5-53.1			8247	46.93-47.55 as above with some grey qtz, tr. po.
		several blue-grey to white quartz and qtz/carb. stringers (0.5-7 cm.) at various core angles (mostly greater than 50°);	V.G.		8248	47.55-48.01 as 8246
		qtz and qtz/carb stringers generally containing 1% po in small pods and stringers along edges; visible gold at 48.07 and at 48.83			8249	48.01-48.10 blue-grey to white qtz with po and speck of v.g.
			V.G.		8250	48.10-48.71 altered, fractured, some qtz/carb stringers and pod (10 cm.) of blue-grey qtz at 48.3
					8251	48.71-49.32 altered, fractured, irregular, brecciated, blue-grey qtz/carb stringer at 48.8 with po and v.g.
					8252	49.32-49.93 altered, fractured, 2 qtz/carb stringers (0.5-1 cm.) with 5% po
						49.32-50.54 altered, fractured, 2 thin qtz/carb stringers

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:		HOLE NO. KB-87-3				
DAY STARTED _____ DAY COMPL. _____		J.V. NO. _____	ANGLE _____	DEP: _____			TOTAL DEPTH _____				
LOGGED BY _____		GRID NO. _____	NTS _____	ELEV: _____			PAGE NO. 3				
FOOTAGE metric		Rock Classification	MINERALIZATION			Type	%	Sample	oz/ton Au	oz/ton Ag	Avg
From	To										
44.0	55.3	<u>alteration zone (cont.)</u>	..			8253		50.54-51.15 altered, fractured. 1.5 cm. blue-grey qtz+po at 35.57, 5-7 cm. white+some grey qtz at 51.02			
						8254		51.15-51.45 fractured with carb. filling, no grey qtz.			
						8255		51.97-52.43 altered, fractured with carb filling, few small pods of grey qtz, tr. po.			
						8256		52.88-53.04 2 narrow grey qtz/ carb veinlets (3 mm.)			
						8257		53.95-54.25 3cm. grey qtz/carb +py pods at 54.07			
55.3	66.1	<u>PILLOW LAVAS</u> <u>as 22.9-34.9</u>									
<u>END OF HOLE AT 66.1 M.</u>											
Dip test at 66.1 m.: 44° (casing pulled)											
											

DIP TESTS ON PAGE 4

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EXPLORATION LOG SHEET

PROPERTY King Bay	CLAIM NO. 437022	BEARING 357°	LAT: 1+50.5 E	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST: 14m. W and 67 m. N of no. 2 post	HOLE NO. KB-87-4
DAY STARTED feb. 21, 1987 DAY COMPL. feb. 21	SIZE BQ	ANGLE -45°	DEP: 0+43 S	TOTAL DEPTH 56.1m.	PAGE NO. 1
LOGGED BY R. van Enk	GRID NO.	NTS 52J/2	ELEV: 3.0 m.		

FOOTAGE metric		Rock Classification	MINERALIZATION			oz/ton Au	oz/ton Ag	Avg
From	To		Type	%	Sample			
0	5.8	<u>overburden</u> sand, boulders						
5.8	32.3	<u>pillow and massive lavas</u> green to dark green; fine to very fine grained; upper portion (to -15m.) carbonate veins (0.5-5 cm., irregular, locally brecciated) at various core angles, some containing up to 2 % po. in fine grained pods; selvages narrow and wide spaced; also narrow carb. seams (4mm.) at various core angles			8258	22.98-23.29 irregular carb. stringers and few py seams		
32.3	36.4	<u>mafic lava or tuff</u> green to dark green; medium grained; upper contact gradual, lower sharp at core angle of 75°; in places porphyritic			8259	28.16-28.80 strongly sheared and chloritic with irregular vuggy py stringers in centre part of section		
36.4	38.1	<u>mafic lava</u> green to dark green; fine grained; as 5.8-32.3; fracturing and alteration increasing with depth						

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY	CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-4
DAY STARTED	J.V. NO.	ANGLE	DEP:		TOTAL DEPTH
LOGGED BY	GRID NO.	NTS	ELEV:		PAGE NO. 2
FOOTAGE metric	Rock Classification	MINERALIZATION			
From	To	Type	%	Sample	oz/ton Au oz/ton Ag Avg
38.1	47.9	alteration zone	..		
		grey to buff; fine grained; altered leaves; in places fractured with carbo- nate fracture filling; several grey quartz veins from 3 mm. to 48 cm. with po, py and tr. cpy; visible gols at 40.75, 40.83, 41.51 and 45.69(?); most frequent veining from 40.1 to 43.8		8260	38.50-38.80 well fractured with carb. filling
				8261	40.23-40.69 weak alteration, 2 narrow blue-grey qtz veinlets
			V.G.	8262	40.69-41.18 grey qtz vein, v.g. py and some po fracture filling tr. cpy, total sulphides 1-2 %, upper contact at 35-40° core angle
			V.G.	8263	41.18-41.76 several blue-grey qtz stringers(3mm.-2cm.) at various core angles, vuggy py and po in veins(1-5%), v.g. at 40.42
				8264	41.76-42.15 2 thin(2mm.) grey qtz veinlets, weak alteration
				8265	42.15-42.55 weak to moderate alteration, 3 1-2cm. wide qtz veins with 5-10% po., at core angles from 35-50°
				8266	42.15-43.19 weak alteration, fractured

DIP TESTS ON PAGE

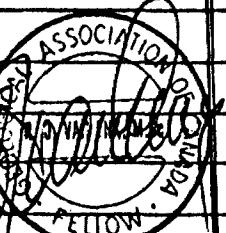
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EXPLORATION LOG SHEET

PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-4		
DAY STARTED	DAY COMPL.	J.V. NO.	ANGLE	DEP:		TOTAL DEPTH		
LOGGED BY		GRID NO.	NTS	ELEV:		PAGE NO. 4		
FOOTAGE metric		Rock Classification	MINERALIZATION					
From	To		Type	%	Sample	oz/ton Au	oz/ton Ag	Avg
47.9	50.9	<u>pillow lavas</u> as 5.8-32.3						
50.9	53.6	<u>altered lavas</u> as 38.1-47.9 but with less qtz veining			8273			
					8274			
53.6	56.1	<u>mafic lavas</u> dark green; medium grained; fractured with calcite filling						
		<u>END OF HOLE AT 56.1 M.</u>						
		Dip test at 56.1 m.: 44° (casing left in hole)						
								

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DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-5
DAY STARTED		J.V. NO.	ANGLE	DEP:		TOTAL DEPTH
LOGGED BY		GRID NO.	NTS	ELEV:		PAGE NO. 2
FOOTAGE metric	Rock Classification				MINERALIZATION	
From	To		Type	%	Sample	oz/ton Au oz/ton Ag Ave
35.3	53.9	<u>pillow lavas</u> dark green; fine to medium grained; as 5.8-14.6 but with more frequent selvages and less calcite veining				
53.9	57.0	<u>gabbro or massive flow</u> dark green; coarse grained; gradual transitions to underlying and overlying sections				
57.0	62.3	<u>pillow lavas</u> as 35.3-53.9			8276	60.29-60.59 pillow selvage with 2 calcite veins (5 and 10 cm.)
62.3	63.1	<u>intermediate tuffs</u> grey to grey-green; fine grained; schis- tose at core angles 45-50°; no seams; 62.42-62.61 and 62.70-62.79: more felsic subsections with abundant po/py seams and 1 massive band			8277	62.33-63.09
63.1	63.7	<u>mafic lava</u> dark green; fine grained				

DIP TESTS ON PAGE

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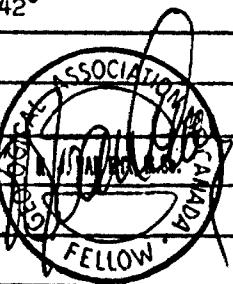
EXPLORATION LOG SHEET

PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO.
DAY STARTED		J.V. NO.	ANGLE	DEP:		TOTAL DEPTH
LOGGED BY		GRID NO.	NTS	ELEV:		PAGE NO.
FOOTAGE metric			MINERALIZATION			
From	To	Rock Classification	Type	%	Sample	oz/ton Au oz/ton Ag Avg
63.7	68.6	<u>gabbro?</u> fractured with irregular calcite filling				
68.6	71.8	<u>pillow lavas</u> as 35.3-53.9; weak alteration in lower portion of section			8278 8279 8280 8281	69.86-70.16 wallrock to 8279 70.16-70.41 weakly altered, fractured band of 5 cm with py stringers (5% py) 70.41-71.02 wallrock to 8279 71.02-71.81 lower portion of sample weakly altered
71.8	72.5	<u>alteration zone, felsic tuff-chert</u> grey to buff; very fine grained to aphanitic, locally laminated at core angles of 45-50°; in places fractured with irregular and discontinuous grey qtz filling; tr-1% po			8282	71.81-72.51
72.5	72.7	<u>chert+massive sulphide(po)(altered)</u> 7 cm. of laminated chert and 10 cm. of massive to semi-massive po with grey qtz and tr. of py; altered			8283	72.51-72.69

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY _____	CLAIM NO. _____	BEARING _____	LAT: _____	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST: _____	HOLE NO. KB-87-5	
DAY STARTED _____ DAY COMPL. _____	J.V. NO. _____	ANGLE _____	DEP: _____		TOTAL DEPTH _____	
LOGGED BY _____	GRID NO. _____	NTS _____	ELEV: _____		PAGE NO. 4	
FOOTAGE metric	Rock Classification	MINERALIZATION				
		Type	%	Sample	oz/ton Au	oz/ton Ag
72.7	77.1	felsic to intermediate tuff grey to buff; fine grained; moderately to weakly altered from 72.7 to 74.7, fractured with carb. filling		8284	72.69-73.03 wallrock to 8283, upper portion laminated	
				8285	75.59-75.90 moderately altered with grey qtz stringer (3 mm.)	
77.1	90.5	pillow lavas dark green to grey; fine to medium grained; in places porphyritic; altered and fractured grey section from 83.8- 86.7 with several grey qtz veinlets (5 mm. or less)		8286	84.67-85.59 altered and frac- tured with few grey qtz vein- lets, po pods and blebs	
				8287	85.59-86.20 as above	
<u>END OF HOLE AT 90.5 M.</u>						
Dip test at 90.5 m. : 42° (casing pulled)						
						

DIP TESTS ON PAGE 3

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EXPLORATION LOG SHEET

PROPERTY King Bay	CLAIM NO. 475232	BEARING 0°	LAT: 1+68 E	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST: 4m. E and 50 m. N of no. 3 post	HOLE NO. KB-87-6
DAY STARTED feb.22, 1987 DAY COMPL. feb.23	SIZE BQ	ANGLE -45°	DEP: 0+50 S		TOTAL DEPTH 22.7m.
LOGGED BY R. van Enk	GRID NO. _____	NTS 52J/2	ELEV: 3.6 m.		PAGE NO. 1

From	To	Rock Classification	MINERALIZATION			oz/ton Au	oz/ton Ag	Avg
			Type	%	Sample			
0	13.0	overburden	..					
		sand, boulders						
13.0	19.5	mafic intrusive (gabbro)						
		dark green; medium to coarse grained;						
		locally gabbroic; narrow (less than 5						
		mm.) calcite veins at various core angles;						
		occasional small po pods						
19.5	29.0	pillow lavas						
		dark green; fine grained; transition						
		from previous section gradual; selvages						
		up to 15 cm. wide, filled by calcite/						
		epidote						
29.0	43.5	mafic intrusive or massive flow						
		much like 13.0-19.5 but finer grained;						
		occasional po pods and stringers;						
		increasingly coarse towards bottom of						
		section						
43.5	53.4	pillow lavas/massive lavas						
		fine grained; dark green; as 19.5-29.0						
		but less frequent and narrower selvages						

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-6
DAY STARTED		J.V. NO.	ANGLE	DEP:		TOTAL DEPTH
LOGGED BY		GRID NO.	NTS	ELEV:		PAGE NO. 2
FOOTAGE metric	Rock Classification		MINERALIZATION			
From	To		Type	%	Sample	oz/ton Au oz/ton Ag Avg
53.1	55.2	<u>intermediate to felsic tuffs(alteration zone)</u>				
		dark grey; fine grained to aphanitic; locally cherty and sulphide rich, 53.1- 52.2(15% po), 53.6-53.6(2 bands of mass- ive po, 1cm); locally fractured with carbonate filling; core angle banding 45°			8288	53.10-54.41
					8289	54.41-54.71
55.2	56.5	<u>mafic lava (tuff?)</u>				
		dark green; fine grained; thin calcite veins(less than 2mm.); lower portion fractured and altered. 56.2-56.5			8290	56.17-56.48 fractured, altered
56.5	58.5	<u>interm. to felsic tuff(alteration zone)</u>				
		grey to buff; fine grained; fractured with calcite filling; brecciation and grey qtz/carb from 56.66-56.94 with pods and stringers of po (2-5%), partly laminated			8291	56.48-56.66 altered tuff
					8292	56.66-56.94
					8293	56.94-57.39 altered, fractured tuff with carb. filling
58.5	77.7	<u>mafic lava</u>				
		dark green; fine to medium grained; locally porphyritic; slight fracturing			8294	71.02-71.48 thin irregular black(magnetite?) stringer + few mm. of massive po.

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY _____

CLAIM NO. _____

BEARING _____ LAT: _____

HOLE NO. KB-87-6

DAY STARTED _____ DAY COMPL. _____

J.V. NO. _____

ANGLE _____ DEP: _____

TOTAL DEPTH _____

LOGGED BY _____

GRID NO. _____

NTS _____ ELEV: _____

PAGE NO. 3

DIP TESTS ON PAGE?

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EXPLORATION LOG SHEET

PROPERTY <u>King Bay</u>		CLAIM NO. <u>437022</u>	BEARING <u>0°</u>	LAT: <u>1+40 E</u>	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST: <u>24m. W and 60m. N of no. 2 post</u>	HOLE NO. <u>KB-87-7</u>	
FOOTAGE metric	Rock Classification	MINERALIZATION			TOTAL DEPTH <u>57.0m.</u>	PAGE NO. <u>1</u>	
From	To	Type	%	Sample	oz/ton Au	oz/ton Ag	Avg
0	7.0	<u>overburden</u>	..				
		sand, boulders					
7.0	22.5	<u>pillow lavas</u>			16.95-17.25 10 cm. of altered and brecciated lava,tr.po		
		dark green; fine to medium grained; narrow wide spaced selvages; may be massive flows in part; 71.6-22.1 altered and fractured with carb. filling		8295			
22.5	23.8	<u>felsic tuff</u>			22.19-22.49 fractured mafic lavas		
		grey to buff; strongly altered, talcose sericitic; irregular blue qtz veinlets and stringers with po; upper 10 cm. of section contain 2 bands of semi-massive po/py, 23.10-23.32 2 blue qtz veins, 10 and 6 cms., with 2-5% po (10 cm. contains v.g.); section slightly schistose and foliated at core angles of 55°; lower contact of section at core angle of 65°		8296	22.49-23.10 felsic tuff(?), strongly altered, top of sec- tion contains 2 bands of semi- massive po, bottom part num- erous grey qtz str. + po		
				8297	23.10-23.32 2 grey qtz veins + v.g.		
				V.G. 8298	23.32-23.84 felsic tuff, strongly altered, 2 grey qtz veinlets		
				8299			
23.8	36.0	<u>mafic lavas</u>			23.83-24.13 altered, fractured		
		dark green; fine to medium grained; porphyritic; altered, fractured from 23.8-24.9		8300			

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-7		
DAY STARTED _____ DAY COMPL. _____		J.V. NO.	ANGLE	DEP:		TOTAL DEPTH _____		
LOGGED BY _____		GRID NO.	NTS	ELEV:		PAGE NO. 2		
FOOTAGE metric		Rock Classification		MINERALIZATION				
From	To	Type	%	Sample		oz/ton Au	oz/ton Ag	Avg
36.0	57.0	mafic lavas	..	8301	36.72-37.30 narrow po/py stringers, sometimes with vuggy qtz carb, 37.12-37.28 2 qtz veins (3 and 7 cms., white) with tr. to 1% po (blebs)			
		dark green to grey-green; fine grained to aphanitic; in places fractured with carb. filling (and epidote); becoming coarser grained towards bottom of hole		8302	38.31-38.70 slightly altered with grey qtz vein + po (0.5cm.) partly fractured with carb/epidote filling			
		41.7-45.6 fracture zone under very low core angle; filled by white qtz and carb;		8303	42.18-42.38 1-2 cm. qtz/carb vein at core angle 5-10°, tr. of po			
		47.1-51.6 fracture zone under very low core angle, filled by white qtz/carb and epidote stringers and pods and locally by dense network of thin, contorted calcite/epidote stringers		8304	45.51-46.12 qtz/carb stringers and pods, parallel to core axis			
		END OF HOLE AT 57.0 M.		8305	49.99-50.59 epidote/calcite stringers			
		Dip test at 57.0 m.: 43° (casing pulled)		8306	51.45-51.96 as 8304			

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DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. <u>KB-87-8</u>
DAY STARTED	DAY COMPL.	J.V. NO.	ANGLE	DEP:		TOTAL DEPTH _____
LOGGED BY		GRID NO.	NTS	ELEV:		PAGE NO. <u>2</u>
FOOTAGE metric	Rock Classification				MINERALIZATION	
From	To		Type	%	Sample	oz/ton Au oz/ton Ag Avg
46.3	62.4	<u>mafic lava</u>			8307	54.71-55.32 fractured with calcite filling, few thin po/py stringers (overall less than 1%)
		dark green; medium grained massive flows; locally slightly foliated at core angles of 30° appr.; becoming coarser grained and porphyritic towards bottom of section; lower contact at core angle of 60°; fractured with calcite filling (not altered) from 54.7-				
		58.7				
62.4	84.4	<u>mafic lava</u>			8308	65.84-66.14 slightly altered, locally fractured, irregular po seams
		as above; underlying flow; fractured from 62.3-64.9			8309	66.14-66.60 slightly altered
		<u>alteration zone from 65.8 to 76.2</u> ; grey fine grained; talcose; sericitized; locally slightly schistose; occasionally fractured with several grey qtz veins ranging from few mm. to 33 cms. (67.39-67.73)			8310	66.60-67.39 4 grey qtz stringers (1 cm.) + po at various core angles
		77.7-80.77 fractured and locally <u>weakly altered</u>			V.G. 8311	67.39-67.73 blue-grey and white qtz, upper portion with py pods (5%), lower with small po pods (1-2%), tr. of cpy, v.g. at 67.60
		<u>80.7-83.3 moderately to strongly altered</u>				

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-8
DAY STARTED	DAY COMPL.	J.V. NO.	ANGLE	DEP:		TOTAL DEPTH
LOGGED BY		GRID NO.	NTS	ELEV:		PAGE NO. 3
FOOTAGE		Rock Classification	MINERALIZATION			
From	To		Type	%	Sample	oz/ton Au
62.4	84.4	mafic lava(cont.)			8312	67.73-68.64 4 blue-grey qtz veins (1 cm. and less)+ po, at core angles varying from 45-60°
		83.3-84.4 fractured, locally brecciated with calcite/epidote filling; calcite-epidote vein from 84.25-84.43			8313	68.64-69.40 2 qtz stringers + po
					8314	69.40-70.10 3 thin blue qtz stringers at low core angles. 15 cm. qtz vein at core angle of 45°
					8315	70.10-70.29 blue and white qtz vein, partly brecciated, some po along edges.
					8316	70.29-71.29 altered, 3 qtz veins (less than 1cm.)+po at core angles of 40-60°
					8317	71.29-71.47 7-10 cms. of blue and grey qtz with abundant py pods(15%) and po band(1cm.), tr, of cpy, upper contact at 45° lower at 20°
					8318	71.47-72.24 altered, fractured, 3 qtz veins+po(0.5-3cm.) at high core angles
						oz/ton Ag
						Avg

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY _____
DAY STARTED _____ DAY COMPL. _____
LOGGED BY _____

CLAIM NO. _____	BEARING _____	LAT: _____
J.V. NO. _____	ANGLE _____	DEP: _____
GRID NO. _____	NTS _____	ELEV: _____

LOCATION OF D. DRILL HOLE HOLE NO. KB-87-8
IN RELATION TO NEAREST TOTAL DEPTH _____
CLAIM POST: PAGE NO. 4

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EXPLORATION LOG SHEET

PROPERTY <u>King Bay</u>		CLAIM NO. <u>437022</u>	BEARING <u>0°</u>	LAT: <u>1+40 E</u>	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST: 24 m. W and 23 m. N of no. 2 post	HOLE NO. <u>KB-87-9</u>
DAY STARTED <u>feb. 24, 1987</u> DAY COMPL. <u>feb. 25</u>		SIZE: <u>B Q</u>	ANGLE <u>-50°</u>	DEP: <u>0+77 S</u>	TOTAL DEPTH <u>93.6m.</u>	
LOGGED BY <u>R. van Enk</u>		GRID NO. <u></u>	NTS <u>52J/2</u>	ELEV: <u>3.5 m.</u>	PAGE NO. <u>1</u>	
FOOTAGE metric		Rock Classification			MINERALIZATION	
From	To	Type	%	Sample	oz/ton Au	oz/ton Ag Avg
0	6.5	<u>overburden</u>				
		sand, boulders				
6.5	11.6	<u>mafic lavas</u>				
		green to grey green; fine grained;				
		9.1-10.8 fractured with calcite stringers				
		at core angles of 25-40°				
11.6	21.9	<u>pillow lavas</u>				
		dark green; very fine to fine grained;				
		with narrow selvages with calcite/epidote				
		filling; occasional narrow calcite veins				
		at different core angles, containing				
		some po				
21.9	42.1	<u>mafic lavas</u>				
		green; medium grained; massive; grain				
		size increasing with depth to 38.5				
		(gabbroic) then decreasing back to fine				
		at bottom of section				
42.1	54.9	<u>pillow lavas</u>				
		as 11.6-21.9 but with wider and more frequent				
		selvages (locally brecciated)				
				8332	46.02-46.63 partly brecciated	
					selvage at low core angle, small po pods	

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

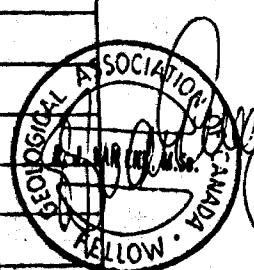
PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-9		
DAY STARTED _____ DAY COMPL. _____		J.V. NO. _____	ANGLE	DEP:		TOTAL DEPTH _____		
LOGGED BY _____		GRID NO. _____	NTS	ELEV:		PAGE NO. 2		
FOOTAGE metric	Rock Classification		MINERALIZATION					
From	To		Type	%	Sample	oz/ton Au	oz/ton Ag	Avg
54.9	71.3	<u>mafic lavas</u> (partly tuffs?)						
		(boundary with overlying section ill defined)						
		dark green; medium grained; grain size increasing with depth; top portion of section (10 m.) fractured, filled with irregular calcite and calcite/epidote stringers (less than 2 cm.) with occasional small po pods; fracturing decreasing with increasing depth; also fractured from 64.4-64.8 with some fine shaly seams; grain size decreasing towards bottom of section			8333	59.68-59.89 folded calcite/epidote vein with 1-2 cm. wide band of black shale and fine po seams		
						64.37-64.77		
71.3	71.6	<u>intermediate tuff</u>						
		grey-green; fine to medium grained; laminated with numerous po seams at care angles 35-40° (overall po 15%)			8335	71.29-71.59		
71.6	79.3	<u>mafic lava</u>						
		dark green; fine to medium grained; massive; grain size increasing with depth						

DIP TESTS ON PAGE

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PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-9
DAY STARTED	DAY COMPL.	J.V. NO.	ANGLE	DEP:		TOTAL DEPTH
LOGGED BY		GRID NO.	NTS	ELEV:		PAGE NO. 3
FOOTAGE metric		Rock Classification			MINERALIZATION	
From	To	Type	%	Sample		
79.3	81.05	mafic lava				
		dark green; fine grained		8336	80.74-81.04 wallrock to altered section	
81.05	82.11	felsic tuff (alteration zone)			81.04-82.11	
		grey to buff; very fine grained; locally slightly laminated with thin po seams (overall po less than 4%) at core angles of 55-60°; 2.5 cm. of brecciated grey and white qtz + po at 81.1 and at 81.8 (at core angles of 45°); few thin grey qtz veinlets and stringers at core angles of 55-60°		8337		
82.11	83.6	mafic lavas(alteration zone)		8338	82.11-83.06	
		grey to green; fine to medium grained; altered and fractured				
83.6	93.6	mafic lavas				
		dark green; fine grained at top, becoming coarser grained with depth; calcite veinlets(1-5 mm.) at core angles of 45-80°				
		END OF HOLE AT 93.6 M.				
		Dip test at 93.6 m.: 48° (casing pulled)				



DIP TESTS ON PAGE

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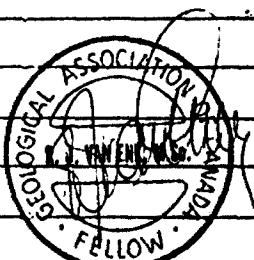
EXPLORATION LOG SHEET

PROPERTY King Bay		CLAIM NO. 437022	BEARING 345°	LAT: 1+18 E	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST: 46 m. W and 54 m. N of no. 2 post	HOLE NO. KB-87-10
DAY STARTED feb. 24, 1987 DAY COMPL. feb. 25		SIZE BQ	ANGLE 45°	DEP: 0446 S	TOTAL DEPTH 53.0m,	PAGE NO. 1
LOGGED BY R. van Enk		GRID NO. _____	NTS 52T/2	ELEV: 3.0m		
FOOTAGE metric	Rock Classification		MINERALIZATION			
From	To		Type	%	Sample	
0	12.9	<u>overburden</u>				oz/ton Au
		sand, boulders				oz/ton Ag
12.9	?	<u>felsic tuff</u>				Avg
		grey to light grey; fine to medium grained;				
		banded				
?	22.9?	<u>intermediate porphyry</u>			15.1-22.9 numerous ground core sections overall recovery 20%	
		grey; medium grained				
22.9?	53.0	<u>mafic lavas</u>			37.89-38.19 mafic lava, no alteration	
		dark green; fine to medium grained; with some irregular calcite veins and stringers;			38.19-38.98 several grey qtz stringers with occasional po	
		fractured with calcite filling from 35.4-38.2 and 57.3-57.9			38.98-39.41 blue qtz, tr.-1% po in small pods and stringers	
		38.19-41.39 alteration zone			39.41-40.33 fractured, altered	
		grey to buff; fractured with calcite filling; 38.19-38.98 several blue qtz stringers with some po (2cm. and less);			40.33-41.39 fractured, altered locally strong alteration	
		38.98-39.41 blue qtz, locally brecciated, with small po pods and stringers			41.39-41.76 fractured lava	
		section becoming coarser grained towards bottom of hole			48.77-49.07 mafic lava with 10 cm. white qtz, tourmaline and few small pods of po	

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

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EXPLORATION LOG SHEET

PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:		HOLE NO. KB-87-11	
DAY STARTED _____ DAY COMPL. _____		J.V. NO. _____	ANGLE _____	DEP: _____			TOTAL DEPTH _____	
LOGGED BY _____		GRID NO. _____	NTS _____	ELEV: _____			PAGE NO. 2	
FOOTAGE metric		Rock Classification	MINERALIZATION					
From	To		Type	%	Sample		oz/ton Au	oz/ton Ag
28.2	33.7	<u>pillow lavas</u> <u>as 15.5-23.9</u>						
33.7	56.1	<u>mafic lava</u> dark green; fine to medium grained; massive with occasional thin calcite seams (1 mm.); grain size increasing with depth; locally fractured with more fre- quent calcite veining from 38.7-41.8; from 51.2 downwards decreasing grain size						
56.1	72.4	<u>pillow lavas</u> dark green; fine grained; selvages containing calcite and epidote; frequen- cy and width of selvages increasing with depth 62.36-62.61 5 cm. wide selvage with grey/ green calcite/epidote filling with red hematite stains 63.1-63.4 fractured with tr. po 74.4-75.7 fractured with calcite filling				8341	62.36-62.61	

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PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-11
DAY STARTED _____ DAY COMPL. _____		J.V. NO. /	ANGLE	DEP:		TOTAL DEPTH _____
LOGGED BY _____		GRID NO. _____	NTS	ELEV:		PAGE NO. 3
FOOTAGE metric			MINERALIZATION			
From	To	Rock Classification	Type	%	Sample	oz/ton Au oz/ton Ag Avg
72.4	92.0	<u>mafic lava</u> dark green; fine to medium grained; <u>72.4-75.9 locally fractured, numerous calcite veinlets and stringers; very slightly altered with few grainy, thin grey qtz stringers at core angles 5-10° from 73.8-74.4</u> <u>70.7-71.3 frequent thin calcite veinlets at core angles 60-65°</u> <u>section becoming massive with depth with only occasional thin calcite veinlets</u>			8342	73.76-74.36
92.0	98.1	<u>alteration zone</u> altered lava; grey; fine to medium grained; locally fractured with calcite filling; strongly carbonatized; po disseminations throughout (tr.=1%)			8343	93.76-94.06 slightly altered tr. of diss. po
					8344	94.06-94.49 altered with 2 mixed white and grey carbonate veins (25 and 5 cm.) with fuchsite and disseminations and small pods of po (2-3 %)
					8345	94.49-95.10 altered, 0.5 cm. white carb. at 95.04, 2-3% diss. po, core angle 30°

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PROPERTY			CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-11
DAY STARTED _____ DAY COMPL. _____			J.V. NO. _____	ANGLE	DEP:		TOTAL DEPTH _____
LOGGED BY _____			GRID NO. _____	NTS	ELEV:		PAGE NO. 4
FOOTAGE metric			MINERALIZATION				
From	To	Rock Classification	Type	%	Sample	oz/ton Au	oz/ton Ag
92.0	98.1	<u>alteration zone (cont.)</u>			8346	95.10-95.71 altered, few thin grainy, blue qtz veinlets (less than 3 mm.) at low core angles; 1-2% diss. po	
					8347	95.71-96.01 slightly altered with 10 cm. pod of blue-grey carbonate breccia, 2% diss. po	
					8348	96.01-96.32 slightly altered, few carb. stringers, tr. of diss. po	
					8349	97.54-98.14 9 thin (less than 5 mm.), grainy, white and grey qtz stringers at core angles of 25-40°, 1-2% of diss. po	
					8350	98.14-98.75 as above but less qtz stringers	
					8351	96.32-97.54 weakly altered, tr. of diss. po	
98.1	115.9	<u>mafic lava</u> dark green; fine to medium grained; locally porphyritic; top part of section locally fractured with calcite and calcite/epidote filling					

DIP TESTS ON PAGE

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PROPERTY	CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-11		
DAY STARTED	J.V. NO.	ANGLE	DEP:		TOTAL DEPTH		
LOGGED BY	GRID NO.	NTS	ELEV:		PAGE NO. 5		
FOOTAGE metric	Rock Classification	MINERALIZATION			oz/ton Au	oz/ton Ag	Avg.
		Type	%	Sample			
115.9	<u>alteration zone</u> grey to buff; fine grained; locally fractured with carbonate filling			8352	116.34-116.65 altered, no qtz veins		
	116.65-117.77 subsection with 5 irregular blue qtz veins and stringers at core angles of 45-60°, width 0.5-15 cms., veins contain 1-2% po in pods and tr. of cpy; subsection has very fine, shaly appearance with moderate schistosity			8353	116.65-117.77		
				8354	117.77-118.37 altered, fractured no qtz veins		
118.5	<u>mafic lava</u> as 98.1-115.9; locally fractured with calcite filling						
124.4	<u>alteration zone</u> grey to buff; locally fractured with calcite filling; 1 irregular white-grey qtz vein at 127.0; from 125.8-127.1 locally shaly and schistose			8355	125.52-125.82 moderate alteration		
				8356	125.82-126.43 moderate to strong alteration, 2 grey qtz stringers		
				8357	126.43-127.04 strong alteration 1 qtz stringer (1-2cm.)		
				8358	127.04-127.34 weak alteration, fractured		
127.7	<u>mafic lava</u> dark green; fine grained						

DIP TESTS ON PAGE

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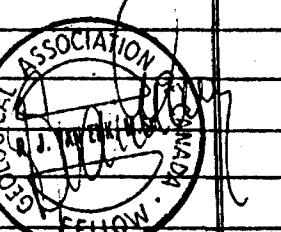
EXPLORATION LOG SHEET

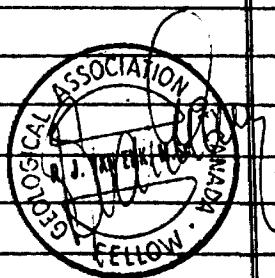
PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-11
DAY STARTED		J.V. NO.	ANGLE	DEP:		TOTAL DEPTH
LOGGED BY		GRID NO.	NTS	ELEV:		PAGE NO. 6
FOOTAGE metric			MINERALIZATION			
From	To	Rock Classification	Type	%	Sample	oz/ton Au oz/ton Ag Avg
129.2	139.0	alteration zone (main alteration zone); grey to buff; fine grained; locally fractured with calcite filling; several blue-grey qtz veins; 132.83-133.13 blue qtz with wallrock inclusions, small po pods (~% po), tr. of cpy, visible gold 136.98-137.10 7 cm. grey qtz vein at core angle of 55°, po along edges 136.64-137.37 several smaller grey qtz veinlets and stringers 137.07-137.37 silicified, fractured with grey qtz filling			8359 8360 V.G. 8361 8362 8363 8364 8365	131.58-132.19 strongly altered with white qtz stringer+po 132.19-132.80 2 grey qtz veins (1 and 0.5cm.) at core angle of 55°, some po., strongly altered 132.80-133.17 grey qtz+some wallrock 133.17-134.08 strongly altered, fractured, 1 cm. grey qtz + po at top of sample section 136.09-136.64 moderate altera- tion, 2 grey and 1 white qtz stringer 136.64-137.37 137.37-137.68 weakly to modera- tely altered
139.0	150.4	maric lava dark green; fine to medium grained; massive				

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PROPERTY	CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-87-11			
DAY STARTED	DAY COMPL.	J.V. NO.	ANGLE	DEP:	TOTAL DEPTH			
LOGGED BY	GRID NO.	NTS	ELEV:		PAGE NO. 7			
FOOTAGE		Rock Classification	MINERALIZATION			oz/ton Au	oz/ton Ag	Avg
From	To		Type	%	Sample			
150.4	151.5	mafic tuff (fine diorite?) grey green; medium grained; of slightly less mafic composition than previous section; holocrystalline appearance						
<u>END OF HOLE AT 151.5 M.</u>								
dip test at 151.5 m.: 58°								
(casing pulled)								
								



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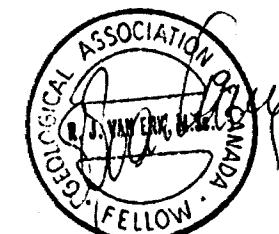
PROPERTY King Bay		CLAIM NO. 487674	BEARING 0°	LAT: 2+25 W	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST: 170 m. W and 110 m. S of no. 1 post	HOLE NO. KB-87-12
DAY STARTED feb. 27, 1987 DAY COMPL. feb. 27		SIZE: B4	ANGLE 45°	DEP: 1+51 S	TOTAL DEPTH 61.6m.	
LOGGED BY R. van Enk		GRID NO. 52J/2		ELEV: 21m. appr.	PAGE NO. 1	
FOOTAGE		MINERALIZATION				
From	To	Rock Classification	Type	%	Sample	oz/ton Au oz/ton Ag Avg.
0	4.9	<u>overburden</u>				
4.9	32.4	<u>mafic lava</u> dark green; medium grained; massive with occasional fine (less than 2 mm.) calcite veins at various core angles; locally with fine grained intrusive appearance; in places small pods of fine grained po coarse grained from 17.1 to 18.9 with gradual transitions in grain size; bottom part of section very fine grained, locally fractured and brecciated 21.8-22.1 selvage like structure with calcite filling and po/py 25.5 sharp transition from medium to fine grained at core angle of 42° 27.0 sharp transition from fine to medium grained at core angle 48° 28.6-28.8 and 30.1-30.3: sub-sections with small pillows				
32.4	37.3	<u>intermediate to felsic tuffs</u> grey; fine grained, in places aphanitic; altered appearance; moderately to strongly			8366	33.99-34.59 fractured with calcite filling, 0.5 cm. of semi-mass. po. at 34.53

DIP TESTS ON PAGE

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EXPLORATION LOG SHEET

PROPERTY		CLAIM NO.	BEARING	LAT:	LOCATION OF D. DRILL HOLE IN RELATION TO NEAREST CLAIM POST:	HOLE NO. KB-82-12	
DAY STARTED _____ DAY COMPL. _____		J.V. NO. _____	ANGLE _____	DEP: _____	TOTAL DEPTH _____		
LOGGED BY _____		GRID NO. _____	NTS _____	ELEV: _____	PAGE NO. 2		
FOOTAGE		Rock Classification			MINERALIZATION		
From	To	Type	%	Sample	oz/ton Au	oz/ton Ag	Avg
32.4	37.3	intermediate tuffs(cont.)	..	8367	34.59-35.20 partly fractured, brecciation and semi-massive po from 34.81-34.90, 1-2% of finely diss. po		
		foliated, locally slightly schistose at core angle of 45°, locally fractured with calcite filling; massive to semi-			35.20-35.63 strongly siliceous from 35.27-35.54, mass. po bands from 35.54-35.63		
		massive po bands at 34.53(0.5 cm., core angle 50°), at 34.90(1 cm., c.a. 45°), at 35.23(4 cm., c.a. 75°), at 35.27(2 cm., c.a. 75°), and 35.54-35.63(c.a. 50°);		8368	35.63-36.03 siliceous, fractured		
		35.51-35.60 banded at core angle of 75°		8369	36.03-36.33 as above, but weaker,		
		lower contact of section sharp at core angle of 45°		8370	upper contact sharp at core angle of 50°		
37.3	57.6	mafic lava					
		dark green; medium to coarse grained (top of section fine grained); massive flows; porphyritic; thin calcite veins at various core angles					
57.6	61.6	pillow lavas					
		dark green; fine grained; wide selvages and calcite/epidote cemented brecciated sections					
		END OF HOLE AT 61.6 M.					
		dip test at 61.6 m.: 43° (casing pulled)					

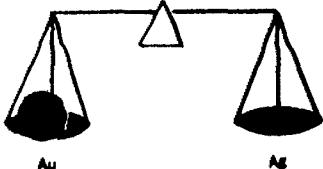


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ALMADEN RESOURCES CORPORATION

KING BAY PROPERTY: DRILL PROGRAM JANUARY/FEBRUARY 1987

ANNEX II
ASSAY RESULTS



PAUL'S CUSTOM FIRE ASSAYING LTD.

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Res. (807) 662-3361

PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

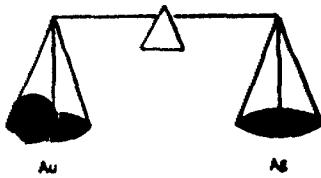
Almaden Resources Ltd.

ASSAY CERTIFICATE

Date: Feb. 12=87

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	A-8201		Trace	
2	02		"	
3	03		"	
4	04		"	
5	05		"	
6	06		"	
7	07		"	
8	08		"	
9	09		"	
10	10		"	
11	11		"	
12	12		"	
13	13		"	
14	14		.01	
15	15		Trace	
16	16		"	
17	17		"	
18	18		"	
19	19		"	
20	20		"	
21	21		"	
22	22		"	
23	23		.24	
24	23 24		Trace	
25	25		.01	

Assayer:



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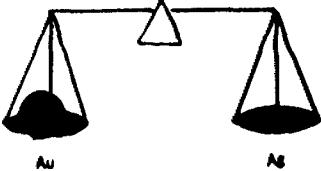
ASSAY CERTIFICATE

Date: Feb. 12-87

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	A-8226		Trace	
2	27		"	
3	28		"	
4	29		"	
5	30		"	
6	31		"	
7	32		"	
8	33-A		.44	
9	B		.26	
10	C		.28	
11	34		Trace	
12	35		"	
13	36		"	
14	37		.02	
15	38		Trace	
16	39		"	
17	40		.08	
18				
19				
20				
21				
22				
23				
24				
25				

Assayer:

A handwritten signature in black ink that reads "Paul Okanski".



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PAUL OKANSKI, Assayer
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Almaden Resources Ltd.

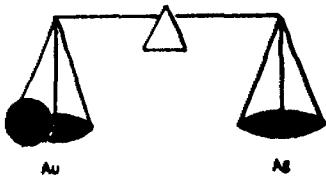
ASSAY CERTIFICATE

Date: Feb. 26-87

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	8241	King Bay	Trace	
2	42		"	
3	43		"	
4	44		"	
5	45		"	
6	46		"	
7	47		"	
8	48-A		.22	
9	B		.36	
10	49		.01	
11	50-A		2.48	
12	B		2.04	
13	51		Trace	
14	52		"	
15	53		"	
16	54		"	
17	55		"	
18	56		"	
19	57		"	
20	58		"	
21	59		"	
22	60		"	
23	61		"	
24	62-A		.44	
25	B		.70	

880X

Assayer:



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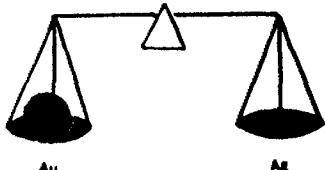
Almadin Resources

ASSAY CERTIFICATE

Date: Feb. 26=87

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	8263-A	King Bay	.08	
2	B		.04	
3	64		Trace	
4	65		"	
5	66		"	
6	67		"	
7	68		.68	
8	69		Trace	
9	70-A		.04	
10	B		.04	
11	71		Trace	
12	72		"	
13	73		"	
14	74		"	
15	75		"	
16	76		"	
17	77		"	
18	78		"	
19	79		"	
20	80		"	
21	81		"	
22	82		"	
23	83		"	
24	84		"	
25	85		"	

Assayer:



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PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

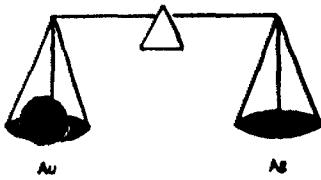
Almadin Resources Ltd.

ASSAY CERTIFICATE

Date: Feb. 28-87

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	8286	King Bay	Trace	
2	87		"	
3	88		"	
4	89		"	
5	90		"	
6	91		"	
7	92		.32	
8	93		Trace	
9	94		"	
10	95		"	
11	96		"	
12	97		,01	
13	98-A		2.90	
14	B		3.64	
15	99		Trace	
16	8300		"	
17	01		"	
18	02		"	
19	03		"	
20	04		"	
21	05		"	
22	06		"	
23	07		"	
24	08		"	
25	09		"	

Assayer:



PAUL'S CUSTOM FIRE ASSAYING LTD.

Phone: Bus. (807) 662-8171
Res. (807) 662-3361

PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

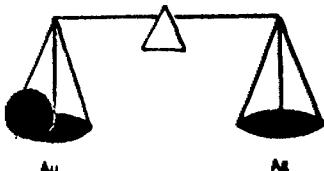
Almadam Resources

ASSAY CERTIFICATE

Date: Feb. 28-87

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	8310	King Bay	Trace	
2	11-A		.56	
3	B		.60	
4	12		Trace	
5	13		"	
6	14		"	
7	15		"	
8	16		"	
9	17		"	
10	18		"	
11	19		"	
12	20		"	
13	21-A		.82	
14	B		.50	
15	22		Trace	
16	23		"	
17	24		"	
18	25		"	
19	26		"	
20	27		"	
21	28		"	
22	29		"	
23	30		"	
24	31		"	
25	32		"	

Assayer: *Paul Okanski*



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Box 253, Cochenour, Ontario P0V 1L0

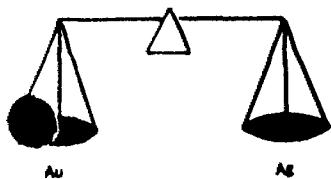
Almadin Resources

ASSAY CERTIFICATE

Date: Feb. 28=87

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	8333	King Bay	Trace	
2	34		"	
3	35		"	
4	36		"	
5	37		"	
6	38		"	
7	39		"	
8	40		"	
9	41		"	
10	42		"	
11	43		"	
12	44		"	
13	45		"	
14	46		"	
15	47		"	
16	48		"	
17	249		"	
18	50		"	
19	51		"	
20	52		"	
21	53		"	
22	54		"	
23	55		"	
24	56		"	
25	57		"	

Assayer:



PAUL'S CUSTOM FIRE ASSAYING LTD.

Phone: Bus. (807) 662-8171
Res. (807) 662-3361

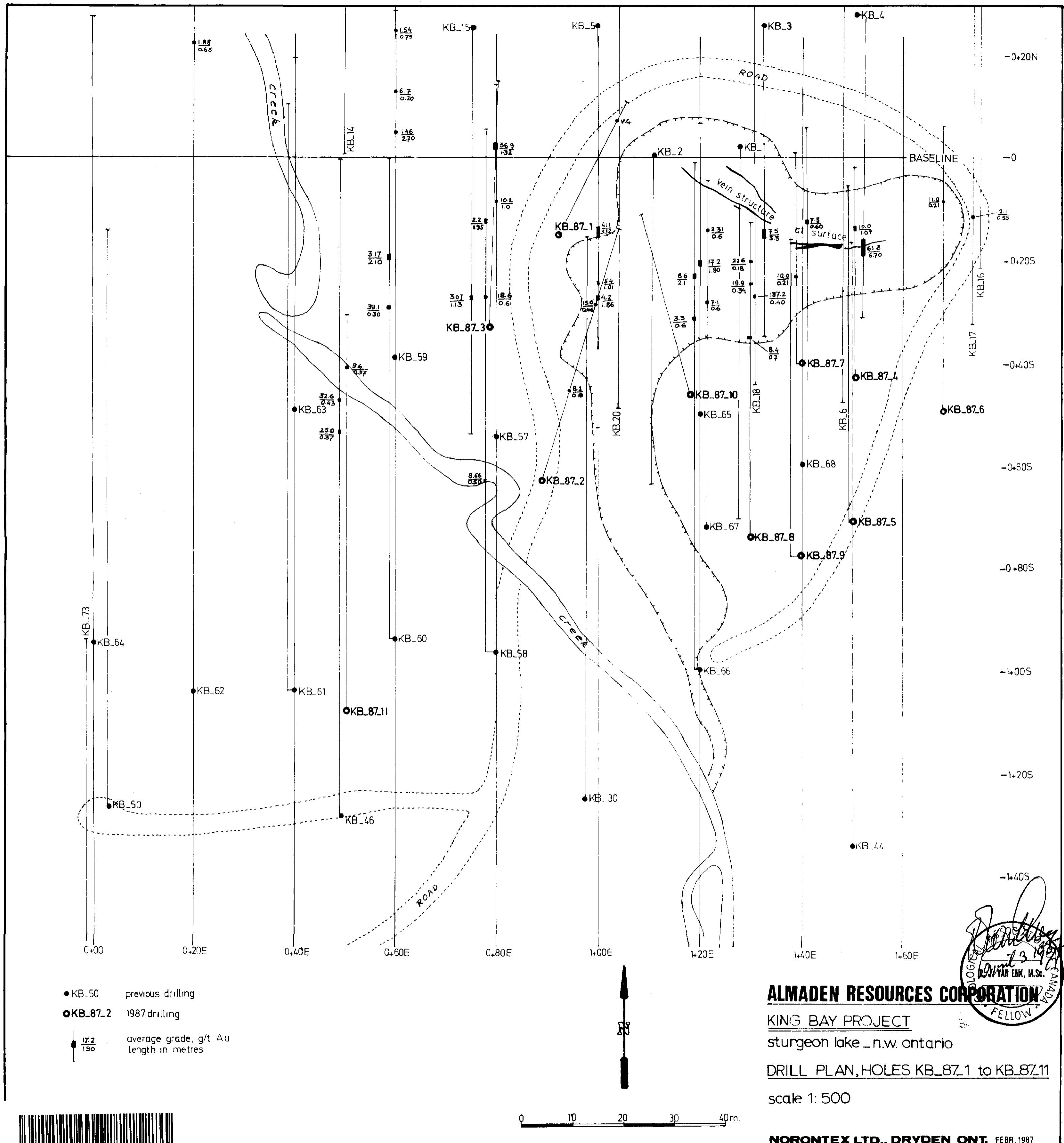
PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

Almaden Resources

ASSAY CERTIFICATE

Date: Feb. 28-87

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	8358	KIng Bay	Trace	
2	59		"	
3	60		"	
4	61-A		.26	
5	B		.30	
6	62		.01	
7	63		.01	
8	64		.01	
9	65		Trace	
10	66		"	
11	67		"	
12	68		"	
13	69		"	
14	70		"	
15	71		"	
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				



0+50N

0+00

0+50S

1+00S

1+50S

0

-50

-100

-150

GEOLOGY LEGEND

- 7 SHEAR ZONE
- 6 CALCITE BRECCIA
 - 6a Strong Calcite Alteration
- 5 QUARTZ FELDSPAR PORPHYRY
- 4 MAFIC INTRUSION
- 3 CHEMICAL SEDIMENT
 - 3a Banded Semi-Massive Pyrite
 - 3b Banded Chert
 - 3c Banded Pyrrhotite
- 2 DACITE (Sericite-Calcite-Pyrrhotite Alteration)
 - 2a Coarse Fragments (Originally Hyaloclastite ?)
 - 2b Fine Fragments
- 1 MAFIC FLOWS
 - 1a Massive Flows
 - 1b Pillowed Flows
 - 1c Hyaloclastite
 - 1d Tuff
 - 1e Aphanitic
 - 1f Porphyritic Flow

QV Quartz Vein

CA Matrix Calcite Replacement



S2J02SW0004 63.5040 FOURBAY LAKE

210

NORONTEX LTD., DRYDEN ONT. FEBRUARY 1987

0186-2-P-230

63.5040

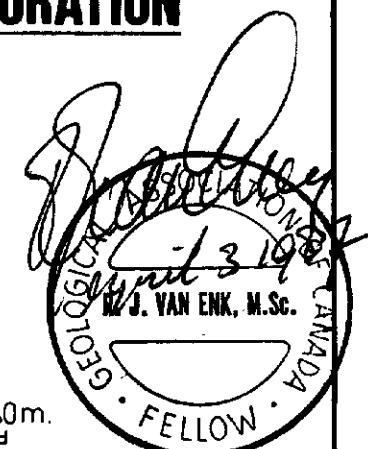
ALMADEN RESOURCES CORPORATION**KING BAY PROJECT**

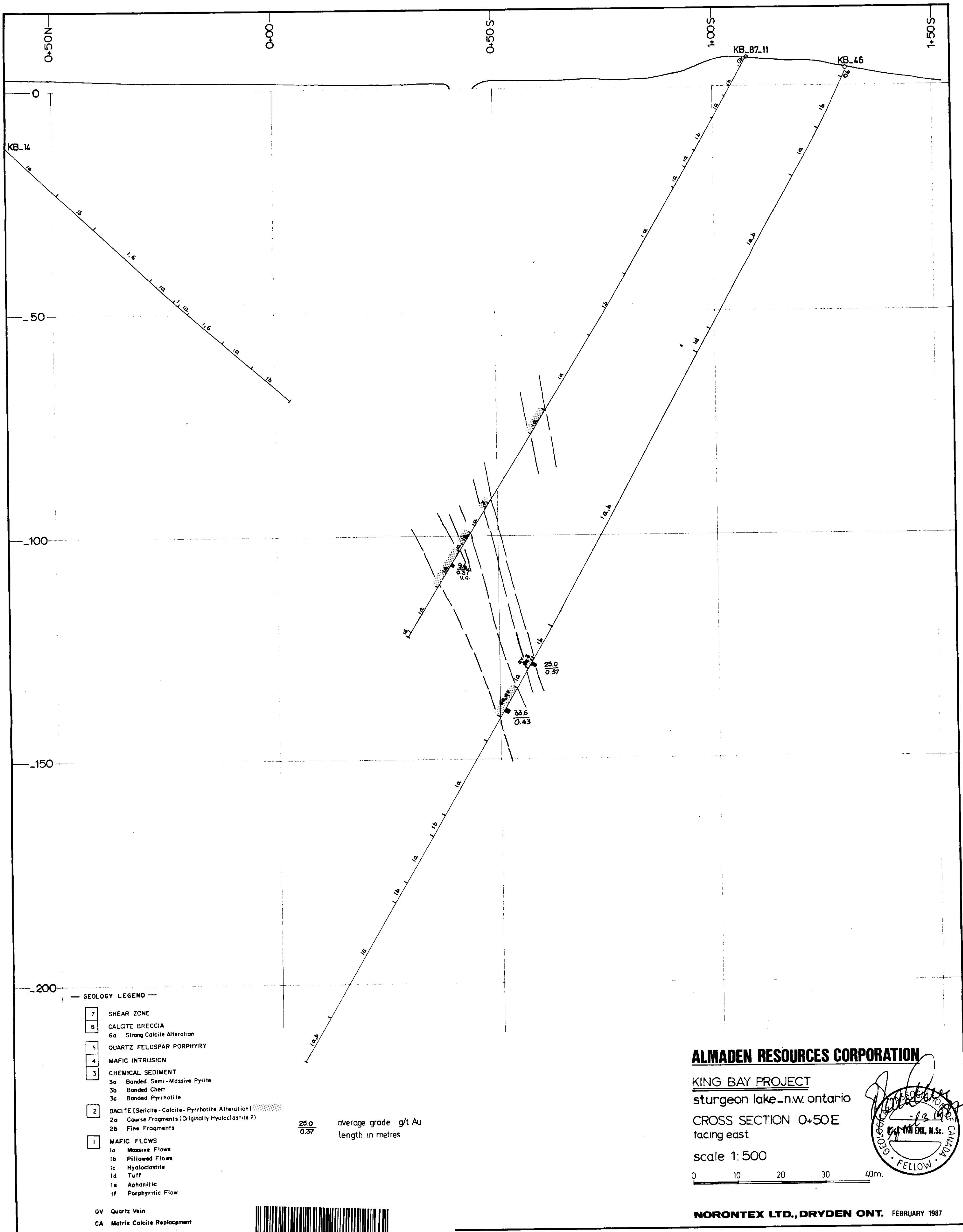
sturgeon lake - n.w. ontario

CROSS SECTION 2+25W
facing east

Scale 1: 500

0 10 20 30 40m.



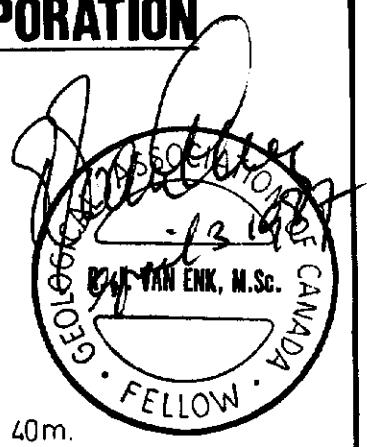


ALMADEN RESOURCES CORPORATION

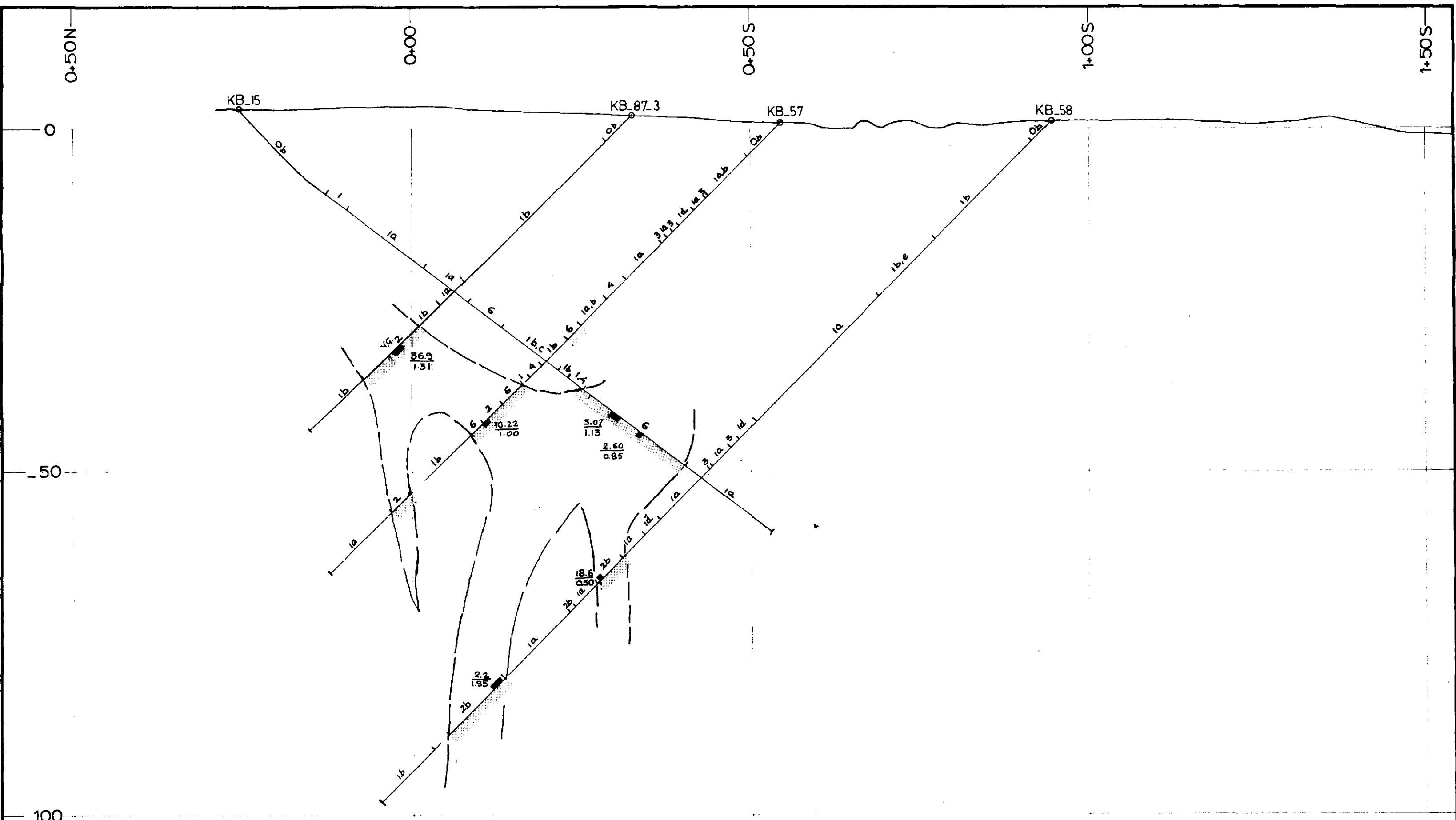
KING BAY PROJECT
sturgeon lake - n.w. ontario

CROSS SECTION 0+50 E
facing east

scale 1:500



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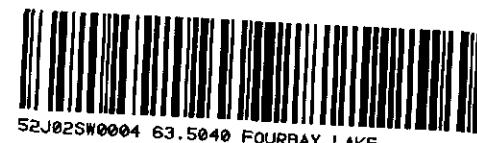
-150-

-200-

GEOLOGY LEGEND

- [7] SHEAR ZONE
- [6] CALCIATE BRECCIA
 - 6a Strong Calcite Alteration
- [5] QUARTZ FELDSPAR PORPHYRY
- [4] MAFIC INTRUSION
- [3] CHEMICAL SEDIMENT
 - 3a Banded Semi-Massive Pyrite
 - 3b Banded Chert
 - 3c Banded Pyrrhotite
- [2] DACTITE (Sericite-Calcite-Pyrrhotite Alteration)
 - 2a Coarse Fragments (Originally Hyaloclastite ?)
 - 2b Fine Fragments
- [1] MAFIC FLOWS
 - 1a Massive Flows
 - 1b Pillowed Flows
 - 1c Hyaloclastite
 - 1d Tuff
 - 1e Aphanitic
 - 1f Porphyritic Flow

QV Quartz Vein
CA Matrix Calcite Replacement



S2U025W0004 63.5040 FOURBAY LAKE

2.2
1.95
average grade, g/t Au
length intersection, metres

ALMADEN RESOURCES CORPORATION

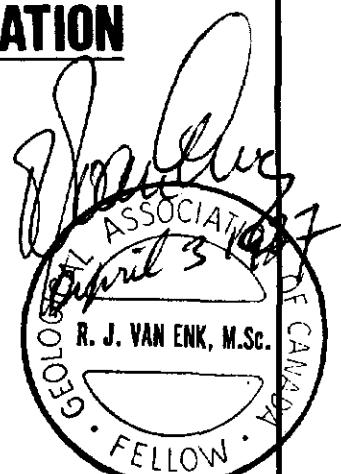
KING BAY PROJECT
sturgeon lake - n.w. ontario

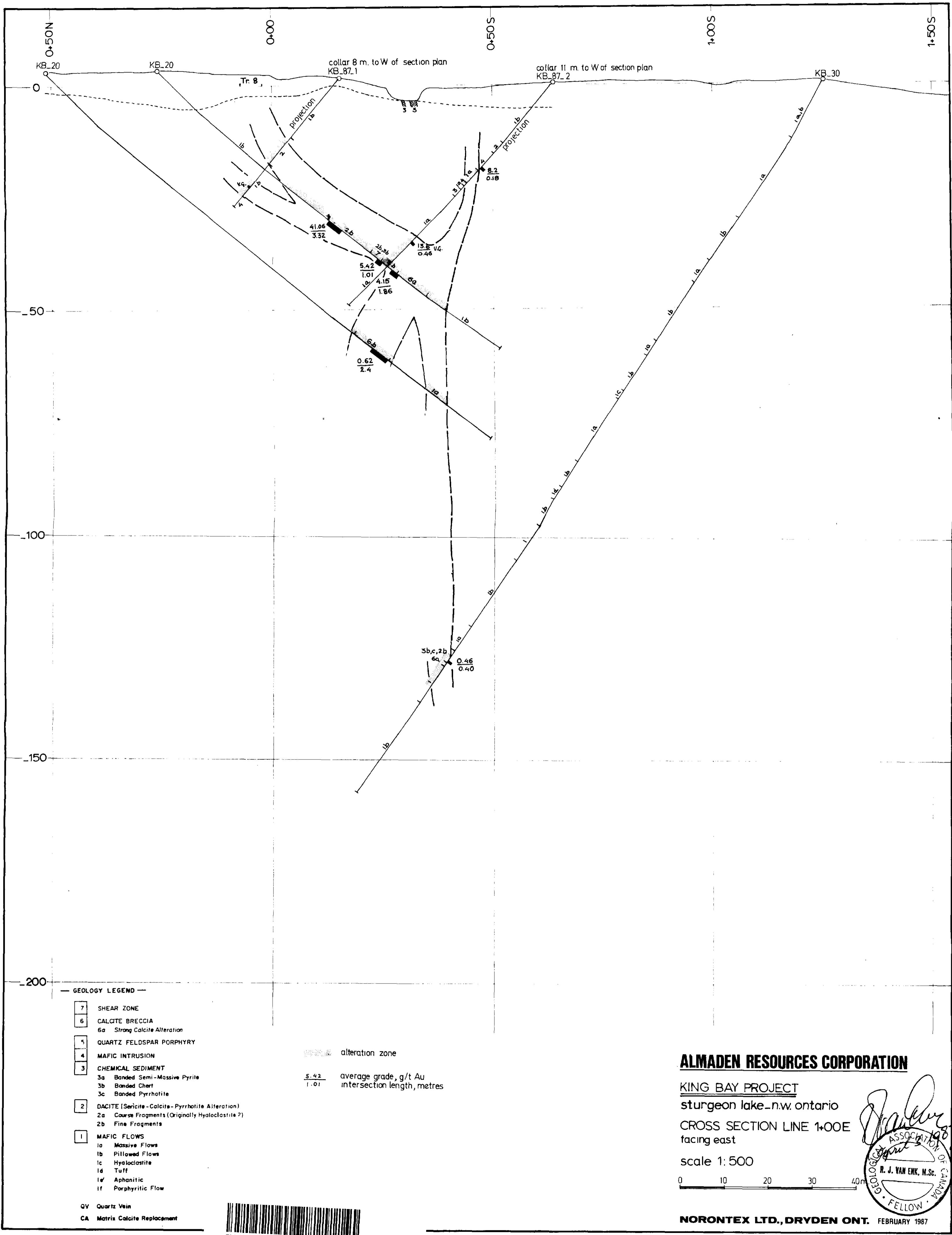
CROSS SECTION LINE 0+80 E
facing east

scale 1: 500

0 10 20 30 40m

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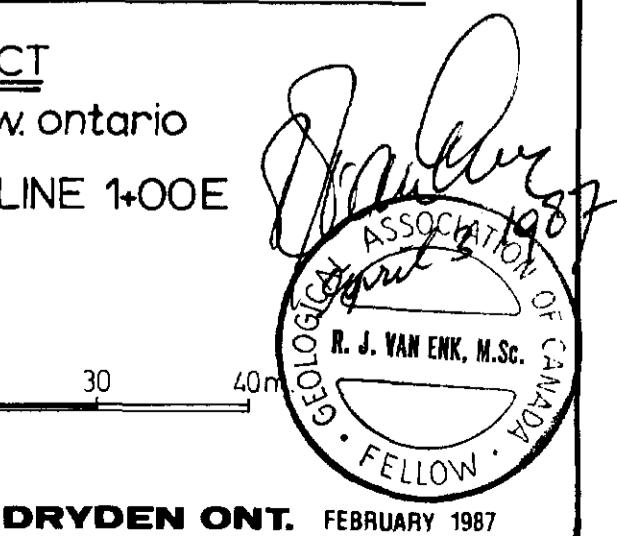
ALMADEN RESOURCES CORPORATION

KING BAY PROJECT

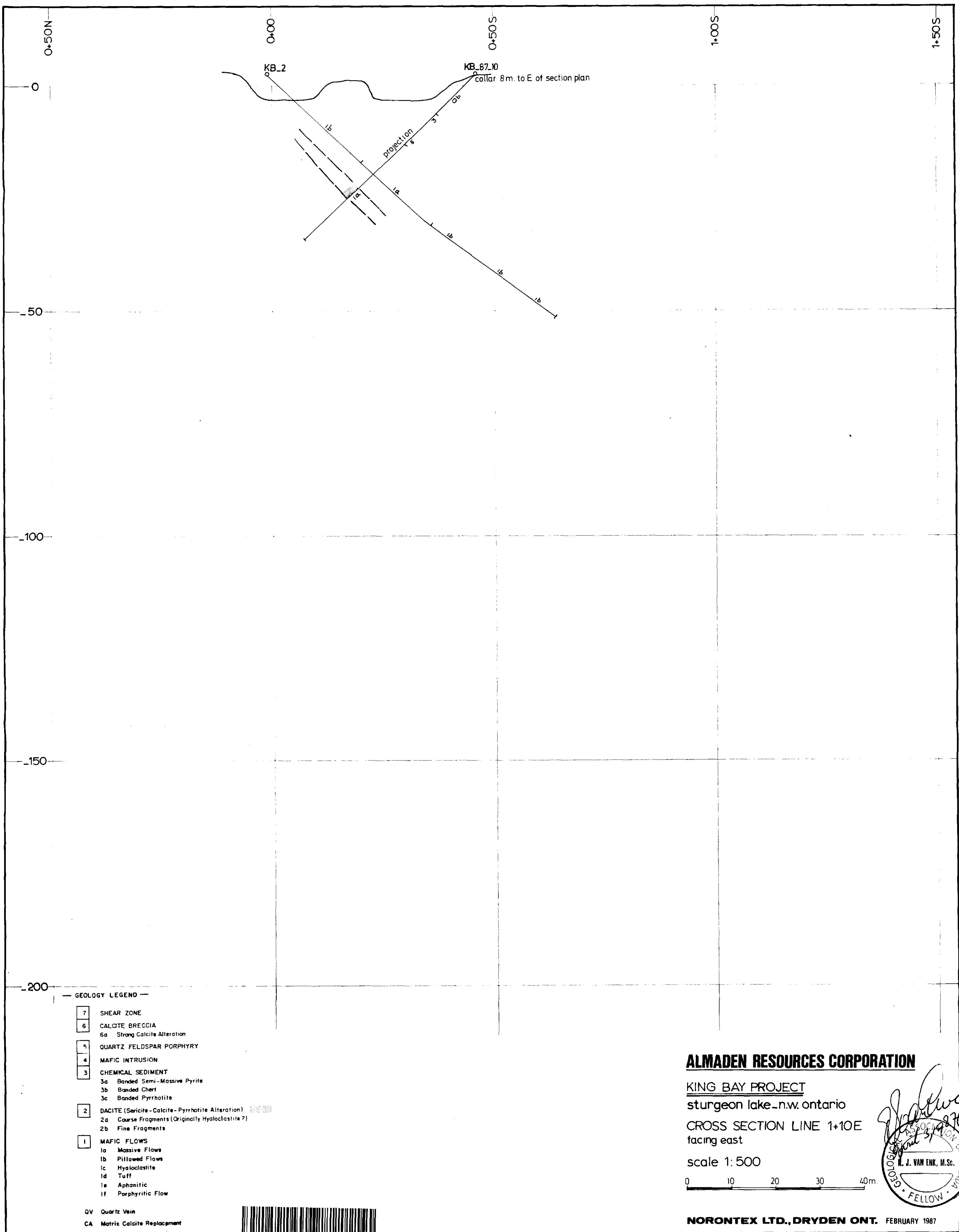
sturgeon lake_n.w. ontario

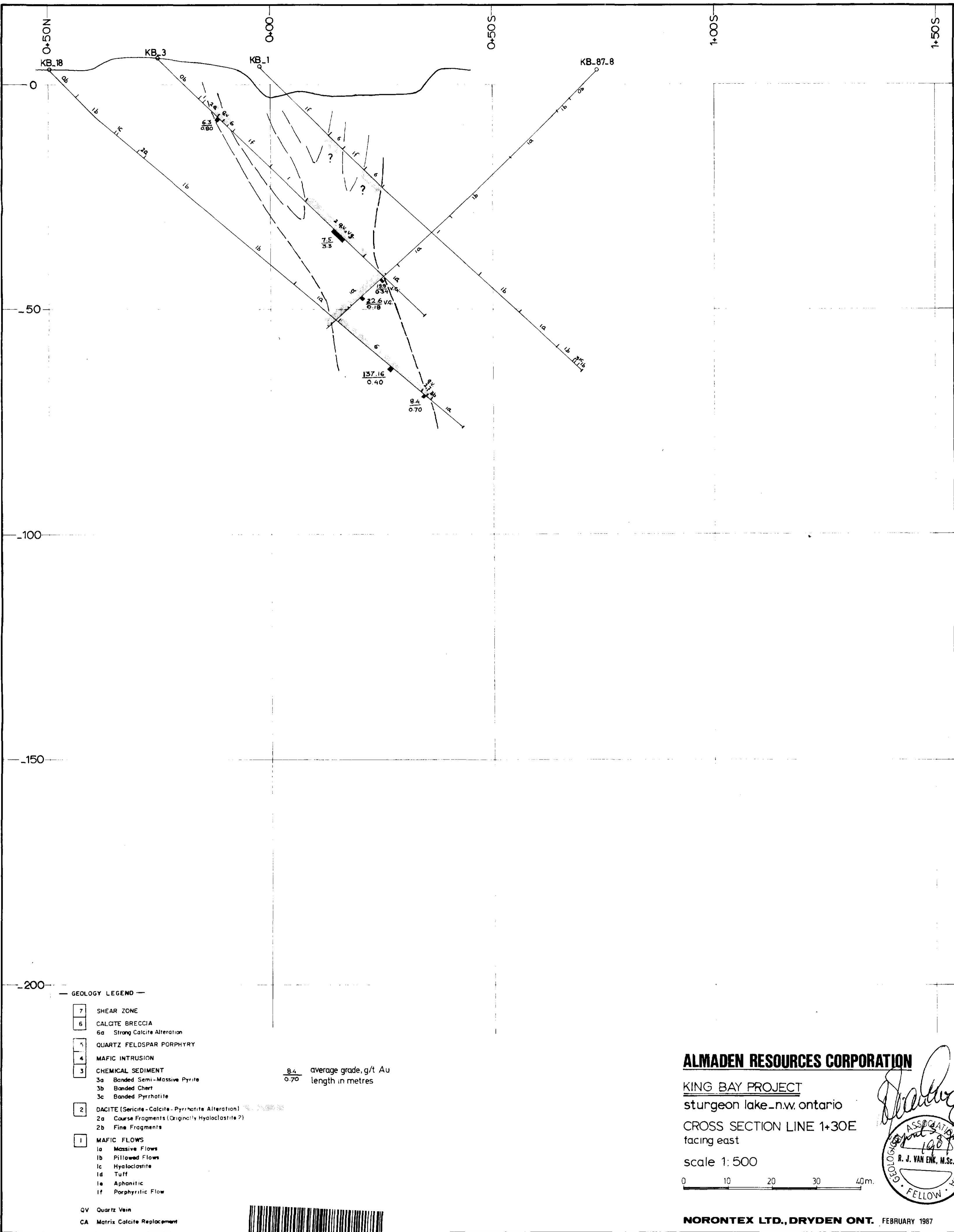
CROSS SECTION LINE 1+00E
facing east

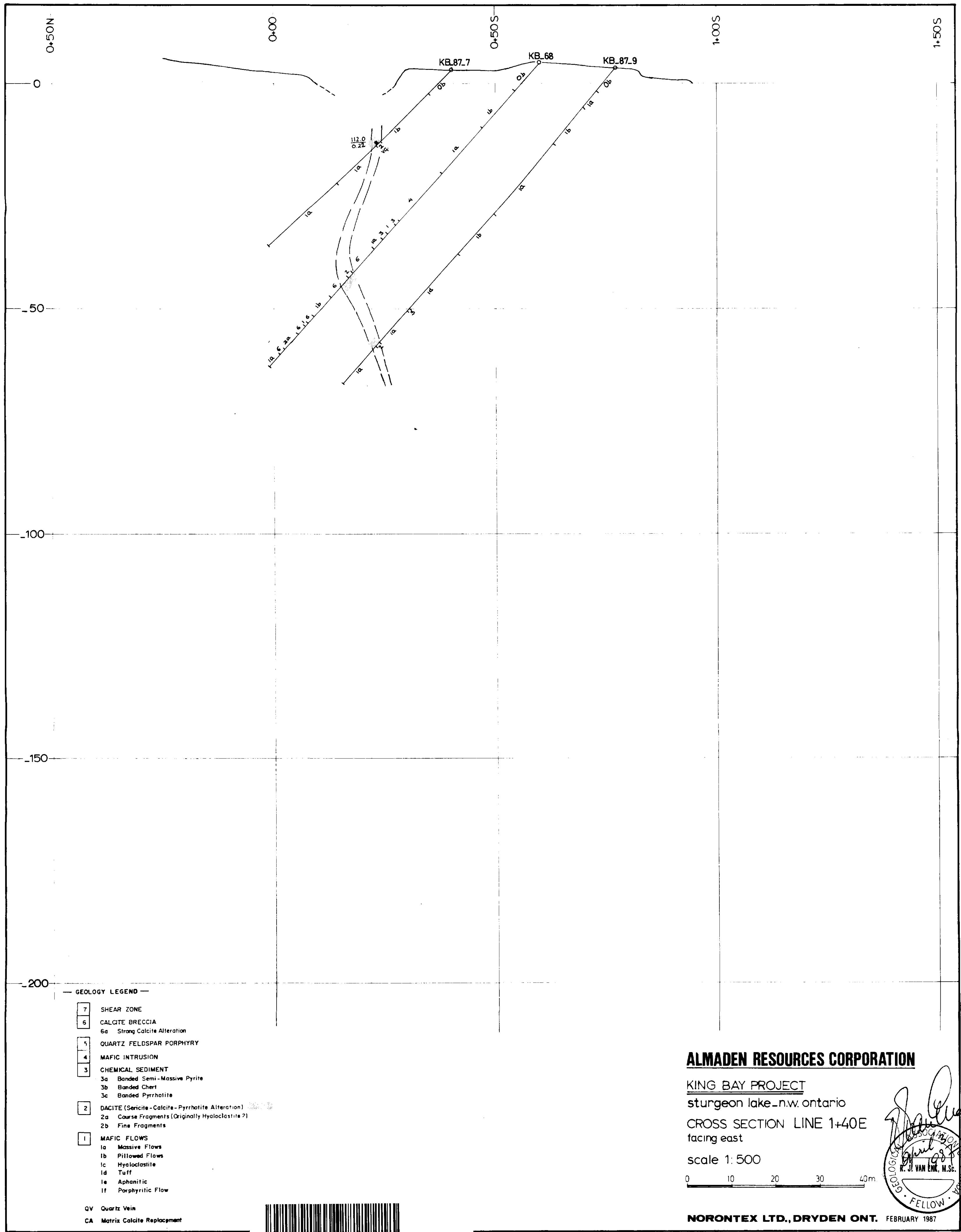
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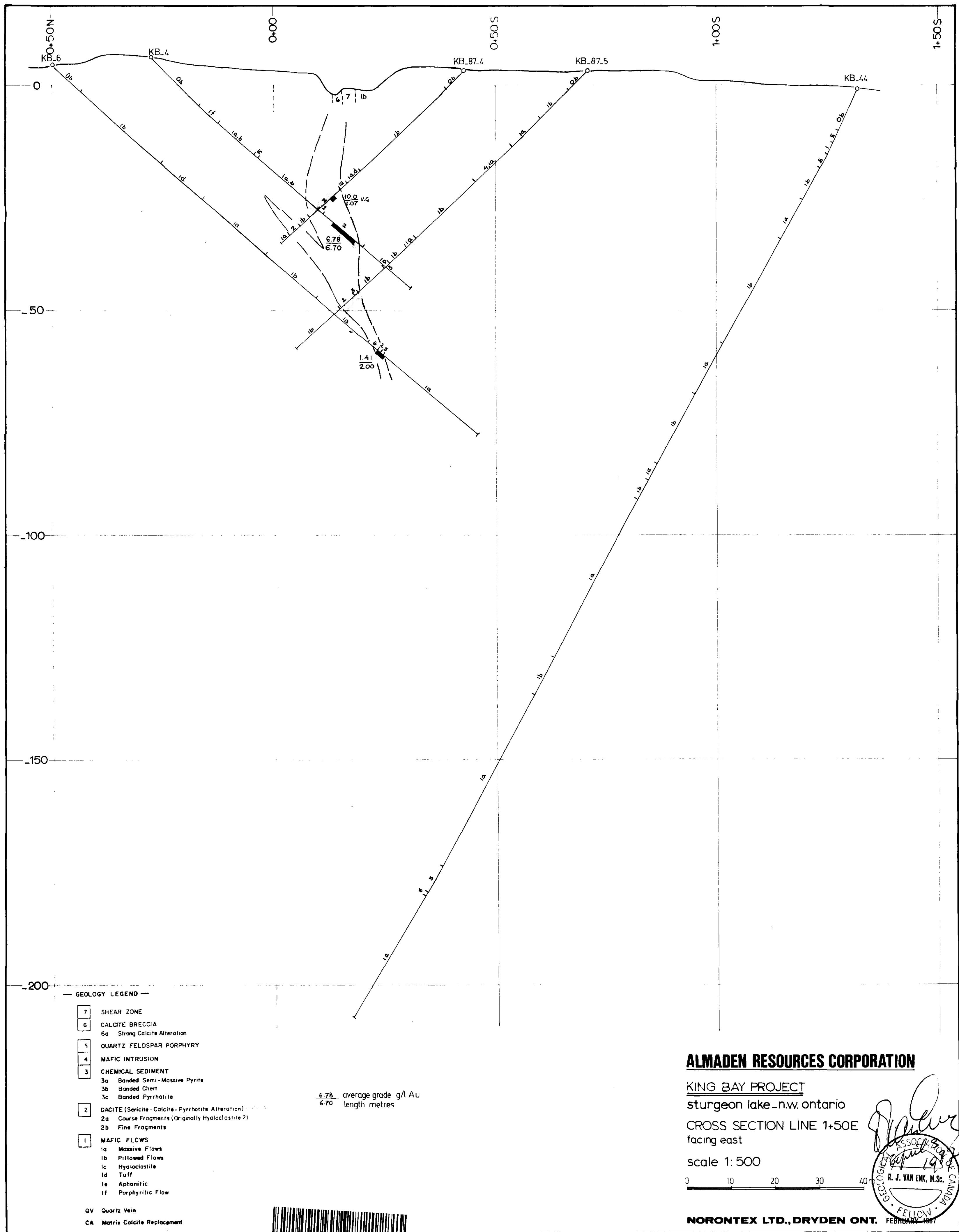


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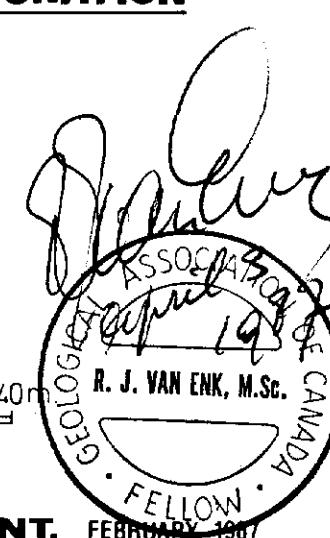
ALMADEN RESOURCES CORPORATION

KING BAY PROJECT

sturgeon lake_n.w. ontario

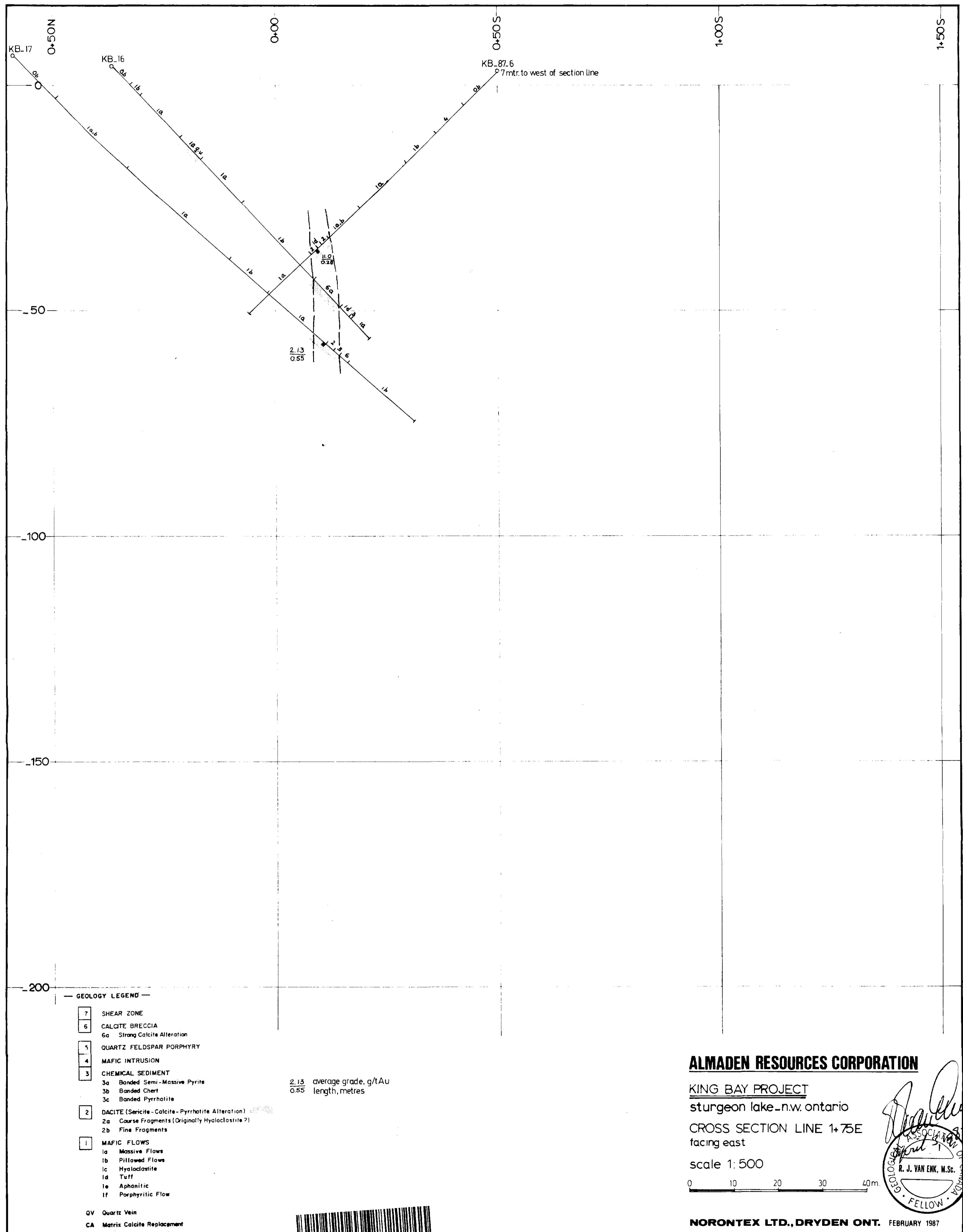
CROSS SECTION LINE 1+50E
facing east

scale 1: 500



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63.5040



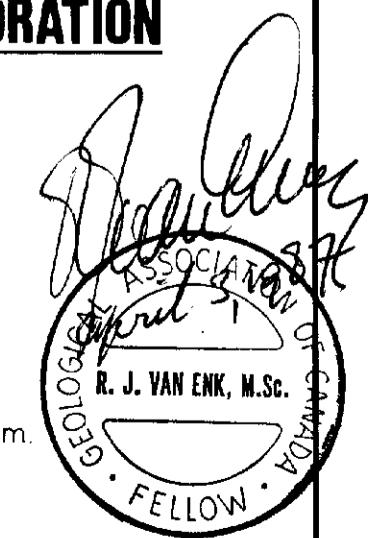
ALMADEN RESOURCES CORPORATION

KING BAY PROJECT

sturgeon lake - n.w. ontario

CROSS SECTION LINE 1+75E
facing east

scale 1:500



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63.5040

