



S2F10NW0011 13 AUBREY

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DIAMOND DRILLING

Township: Aubrey

Report No: 13

WORK PERFORMED FOR: Kidd Creek Mines Ltd.

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER [ ]

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
K 590318	K84-8	61.94m	Aug/84	(1)

NOTES: (1) #64-87 (filed in July/87)

# DRILL HOLE RECORD

## KIDD CREEK MINES LTD. EXPLORATION DIVISION

HOLE NO. ...K84-8..... PROPERTY ..Kozowy..... PROJECT NO. ..991..... CONTRACTOR .....

START August 14, 1984  
FINISH August 15, 1984

COORDINATES Grid Location: Latitude ..0+95H..... UTM: Lat. .... Surveyed: Lat. .... Mine Grid: Lat. ....  
Departure ..45S..... Dep. .... Dep. .... Elev. ....  
Elevation .....

COLLAR ATTITUDE Azimuth ..160..... Dip .....-45... LENGTH ..61.94 m. CORE SIZE ...80.....

### INCLINATION TESTS

#### Acid Tests

#### Compass Tests

Depth	Dip	Depth	Dip	Depth	Dip	Azimuth	True Azimuth
60.1	-44						

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### REMARKS

*DA Bosawac*

FROM	TO	DESCRIPTION	SAMPLE			ASSAY * (AU)	
			NO.	FOOTAGE			
				FROM	TO		TOTAL**
0	3.66	CASING					
3.66	34.0	<p>INTERMEDIATE-MAFIC QUARTZ AMYGDULE FLOW</p> <p>f-mg, foliated to locally massive, weakly carbonatized to very weakly carbonatized, qtz amygdules, 1/2 mm to 5 mm, locally stretched - amygdules are not particularly abundant and are locally absent; rock is grey green; CI 30-40; non magnetic;</p> <p>locally rock exhibits a protomylonitic fabric and these weak shear zones are silicified (they are slightly more felsic) and locally appear fragmental; these siliceous zones are only very weakly carbonatized;</p> <p>the more foliated zones and the protomylonitic shears carry 1-2% py as diffuse/disseminated trains parallel to foliation - these individual trains are approx 1 cm wide but collectively form zones up to 10-20 cm wide where the core averages 4-5% py - nil pyrite below 20.0 m;</p> <p>there are some qtz veins - here the pyrite increases to 5-8% along qtz vein margin.</p> <p>3.66- 5.53* foliated f-mg, no amygdules, foln throughout is 45° CA</p> <p>5.53-11.5* massive to locally weakly foliated, gradational contacts; no amygdules; foln is locally developed - consistently 45° CA at 6.07 m, 7.15 m and 9.5-10.1 m respectively; minor qtz veining as follows:</p> <p>7.46- 7.65 qtz + carb + tour (3-4% fg py in host) 65° CA; foln at 7.77 is 65° CA</p> <p>9.62 qtz vein (1 cm) 68° CA; foln at 9.87 is 50° CA</p> <p>10.2 -11.5 only very weakly carbonatized versus weakly carbonatized above; 10.2 m foln is 52° CA</p> <p>* possibly mg intrusive as no amygdules are present</p> <p>11.07-11.2 qtz vein 30° CA, true width approx 8-9 cm, minor tour + 3-4% py in first 6 cm of host contact</p> <p>11.5 -11.87 weakly silicified, protomylonitic; shears spaced 1 cm apart</p> <p>11.87-12.70 massive to weakly-foliated, with amygdules; minor qtz veining at 12.11 (7 cm) 58° CA, less than 1% py; 12.66 (4 cm) 52° CA; less than 1% py</p> <p>12.7 -12.9 foliated with amygdules, foln 52° CA</p> <p>12.9 -13.47 silicified in part</p> <p>13.47 qtz vein (3 cm) 52° CA</p> <p>13.47-14.23 massive to wky foliated</p> <p>14.23-14.75 protomylonitic (weaker than above) foln at 14.68 is 58° CA; almost appears pyroclastic, is less silicified than 11.5-11.87 (above)</p> <p>14.75-16.1 massive to weakly foliated</p> <p>15.34 qtz veins (0.25 cm and 1 cm) at 45° CA</p> <p style="text-align: right;">(**as measured in core tray)</p>	8901	7.33	7.93		.274
			8902	10.93	11.5		tr
			8903	11.5	12.11		tr
			8904	12.11	12.63	.57	tr
			8905	12.63	13.26		tr
			8906	13.26	13.95		tr
			8907	13.95	14.53		tr
			8908	14.53	15.1		tr
			8909	15.1	15.76		tr
			8910	15.76	16.35		tr

FROM	TO	DESCRIPTION	SAMPLE			ASSAY (AU)
			NO.	FOOTAGE		
				FROM	TO	
		16.1 -19.41 protomylonitic to well foliated may in part be pyroclastic, siliceous but overall is intermediate, foln to CA varies from 60° (at 17.15 m) near top to 52° towards base; overall 1-2% py but essentially are barren zones with other zones averaging 4-5% py; no qtz veins; sulphide zones as follows: 17.47-18.02 5-7% py - parallel to shears 18.3 -18.86 5-7% py - parallel to shears; foln at 18.75 is 58° CA 18.97-19.03 5-7% py parallel to shears 19.54-19.76 10-15% dissem py	8911	16.35	16.96	tr
			8912	16.96	17.6	.069
		19.41-34.0 well foliated to locally massive amygdular flow, coarse qtz amygdules, weakly to uncarbonatized 20.4 foln is 52° CA 21.42 qtz vein (1 cm) 90° CA 21.8 foln 52° CA; 23.35 foln 47° CA 23.04 qtz vein (4 cm) 58° CA, no pyrite 25.49 qtz + carb vein (3.5 cm) 50° CA 27.35 foln 49° CA 27.9 foln 43° CA 28.2 minor whispy silicified zones 30.6 -30.9 moderately carbonatized 31.15 qtz vein (1 cm) 75° CA 32.15 foln 48° CA 33.15 foln 48° CA 33.5 -34.0 moderately carbonatized	8913	17.6	18.21	tr
			8914	18.21	18.86	tr
			8915	18.86	19.41	tr
			8916	19.41	20.01	tr
			8917	20.01	20.6	tr
			8918	23.72	24.4	tr
			8919	28.41	29.01	tr
34.0	35.35	<u>INTERMEDIATE-MAFIC DIKE/FLOW</u> med-grained intrusive or very cg flow? CI 30-35, possibly a phase of the amygdaloidal unit above - there are some minor qtz amygdules in first 5 cm of unit, upper contact 30° CA; uncarbon, unmagnetic; several qtz + tour veins: 34.2 (1 cm) 30° CA; 34.35 (8-10 cm) with tour, 30° CA; 35.1 (7 cm) 90° CA lower contact at 30° CA (approx. - not sure due to splitting)	8920	33.9	34.45	.137
			8921	34.45	35.05	.069
			8922	35.05	35.7	tr
35.35	42.9	<u>MASSIVE TO LINEATED* BIOTITE TRONDHJEMITE (INTERMEDIATE SUBTLE FELDSPAR PORPHYRY?)</u> f-mg (vfg matrix - appears silicified or quite siliceous), lineation approx 60° CA, spotty to rare (less than 0.1% py, rare qtz veining; CI 5-8 average 5-6 - probably subvolcanic phase but not like the typical hololeucocratic phase; *lineation only prominent near margin of zone				

FROM	TO	DESCRIPTION	SAMPLE			ASSAY (AU)
			NO.	FOOTAGE		
				FROM	TO	
		36.06 qtz vein (3 cm) 70° CA				
		37.3 qtz vein (10 cm?) dip?	8923	36.52	37.18	.137
		37.5 qtz vein (8-10 cm?) 65° CA?	8924	37.18	37.76	tr
		40.0 qtz vein (3 cm) 78° CA; qtz vein at 42.25 (5-7 cm?) 75° CA?				
		42.9 contact sharp at 18° CA	8925	42.17	42.77	tr
42.9	51.08	<u>INTERMEDIATE-MAFIC AMYGDALOIDAL FLOW</u> massive to weakly foliated, as in 19.41-34.0 weakly carbonatized increasing to moderate down hole, non magnetic; rare qtz veins, nil py; amygdules more prominent toward bottom (47.0-48.0 and 49.0-51.08)				
		42.9-43.8 contact zone marked by several qtz veins at 43.11 (5 cm qtz + carb + chlorite) 58° CA; 43.2 (4 cm qtz + carb + chl) 58° CA - both with nil py; 43.55 (2.5 cm qtz + carb) 52° CA; 43.72 (5 cm) 55° CA?;	8926	42.77	43.46	.069
		44.67 (1 cm qtz + carb, nil py) 72° CA; 44.73 (1 cm qtz + carb) 58° CA; 48.92 (2 cm qtz + carb) 60° CA	8927	43.46	43.99	tr
		45.5-45.7 foln 45° CA	8928	43.99	44.60	tr
		47.35 foln 45° CA	8929	44.60	45.2	.069
		qtz + carb veins at 49.67 (1 cm) 45° CA; 49.72 (3 cm) upper contact 70° CA, lower contact 90° CA;	8930	49.58	50.11	.55
		50.71 (1 cm) 52° CA; 51.06 (2 cm) 65° CA				
		50.18 foln 50° CA	8931	50.11	50.65	tr
		51.08 contact marked by qtz vein? (65° CA)	8932	50.65	51.25	tr
51.08	53.91	<u>INTERMEDIATE-FELSIC SUBVOLCANIC/FLOW-PROTOMYLONITIC</u> protomylonitic fabric variably developed but dominantly shears are spaced 0.5-1 cm apart, upper contact not readily apparent due to spitting; fracturing/cleavage at 45°-55° CA throughout - prob averaging 52° CA	8933	51.25	51.93	tr
		53.74-53.91 qtz (massive bull qtz) at 68° CA this qtz vein marks lower contact of protomylonitic subvolcanic & underlying trondhjemite	8934	51.93	52.5	tr
			8935	52.5	53.07	tr
			8936	53.07	53.74	tr
53.91	61.94	<u>MASSIVE BIOTITE TRONDHJEMITE (INTERM. SUBTLY PROPHYRITIC (PLAG) SUBVOLCANIC)</u> as in 35.35-42.9 Cl 3-5, grey, some qtz veining (generally no pyrite);	8937	53.74	54.25	.52
		54.75-55.05 qtz vein upper contact 45°-50° CA, lower contact 20° CA				
		56.05-56.18 qtz + tour vein upper contact 15° CA, lower contact 45° CA				
		56.80-56.85 qtz + chl vein at 80° CA				
		57.1-57.19 qtz vein contact at 55° CA, lower contact at 80° CA				

FROM	TO	DESCRIPTION	SAMPLE			ASSAY (AU)
			NO.	FOOTAGE		
				FROM	TO	
		58.08 qtz vein (1.5 cm) 40° CA				
61.94		END OF HOLE				

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 APR 7 1987  
  
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*Access files*

Mining Act

Name and Postal Address of Recorded Holder: **Kidd Creek Mines Ltd.** Prospectors' Licence No. **T 1848**

Box 40, Commerce Court West, Toronto, Ontario

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim		Work Days Cr.	Pr
	Prefix	Number		
5.5	K	706030	5.5	
for Performance of the following work. (Check one only)				
<input type="checkbox"/> Manual Work				
<input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work.				
<input type="checkbox"/> Compressed Air, other Power driven or mechanical equip.				
<input type="checkbox"/> Power Stripping				
<input checked="" type="checkbox"/> Diamond or other Core drilling				
<input type="checkbox"/> Land Survey				



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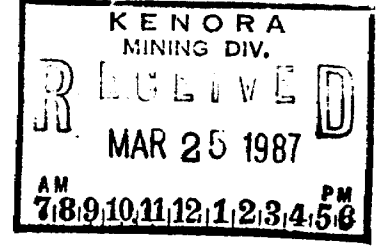
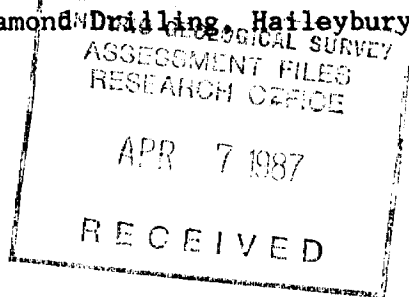
All the work was performed on Mining Claim(s): **K 590318**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

**K 84-8 61.94m (203.2 feet) - donation to Kenora Core Library, Kenora, Ontario**

203.2 feet = 8.1 days filed  
 25 = 5.5 days applied  
 2.6 days retained for future consideration

Contractor: **Morrisette Diamond Drilling, Haileybury, Ontario**



Date of Report: **March 23, 1987** Recorded Holder or Agent (Signature): *[Signature]*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: **D.F. Bosowec 100-3074 Portage Avenue, Winnipeg, Manitoba R3K 0Y2**

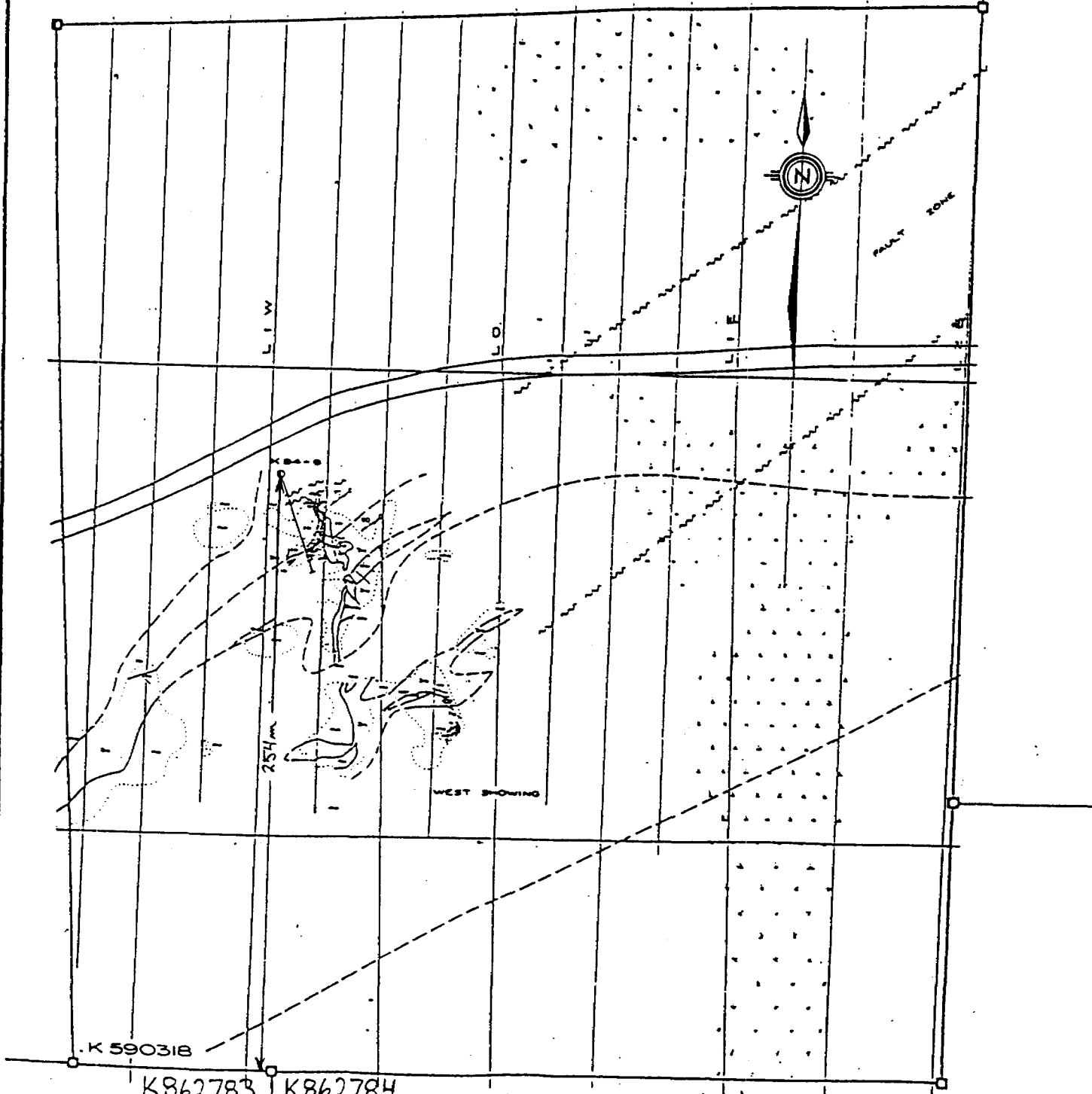
Date Certified: **March 23, 1987** Certified by (Signature): *[Signature]*

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	706029	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

K 590552

B. PERRY  
PAT. CL.



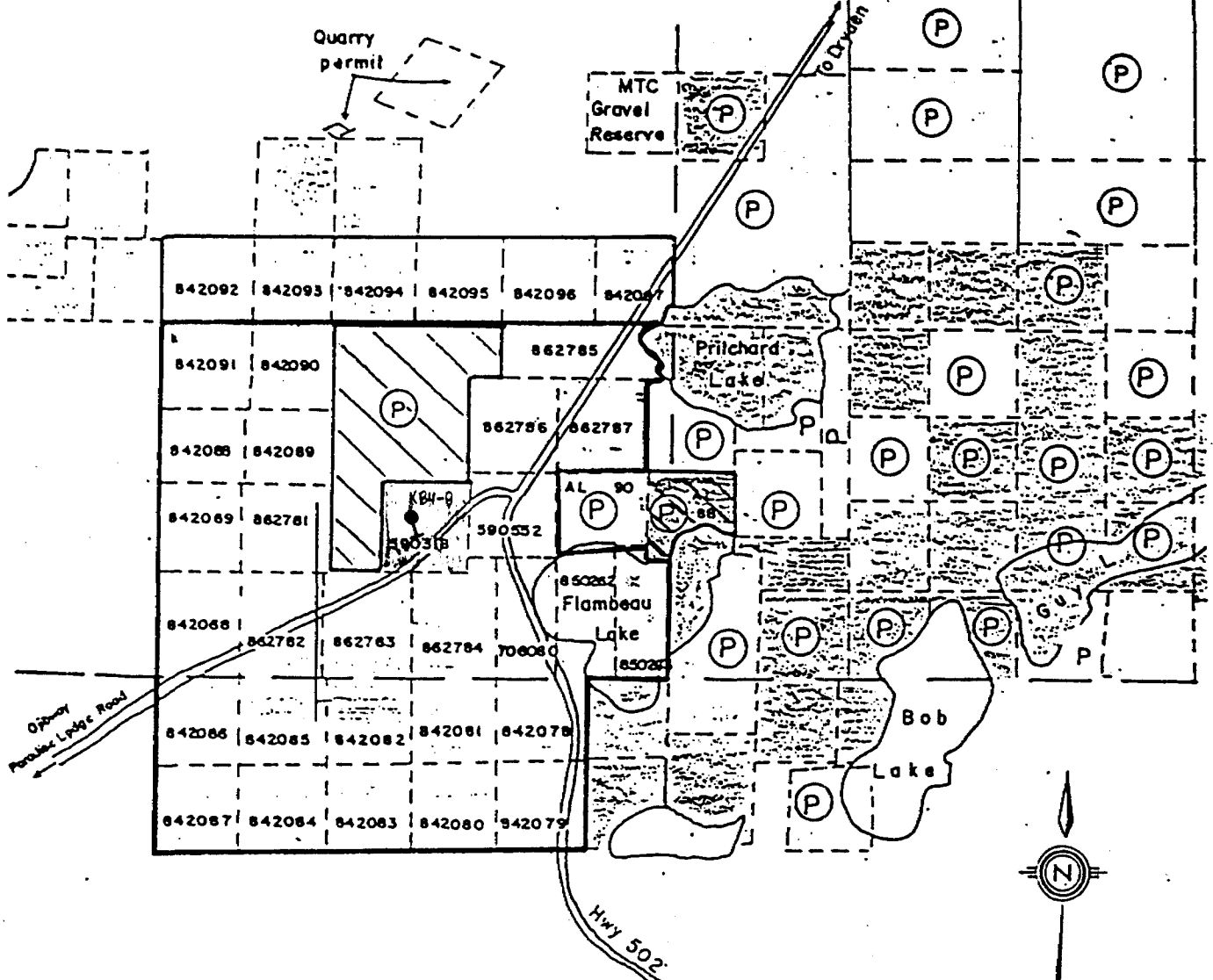
*N.T. Brown* PN

FALCONBRIDGE LIMITED	
KOZOWY PROJECT	
DRILLHOLE LOCATION PLAN	
DDH K84-8	
SCALE 1: 2500	DRAWN R.S. / D.F.B.
DATE MARCH 23, 1997	DATA BY D.F.B.



AUBREY Twp.

VAN HORNE Twp.



*W. B. Bawec*

FALCONBRIDGE LIMITED	
KOZOWY-FLAMBEAU LAKE CLAIM GROUP AND DDH K84-8 LOCATION	
SCALE	DRAWN I.P.
DATE MARCH 23/87	DATA BY D.F.B.