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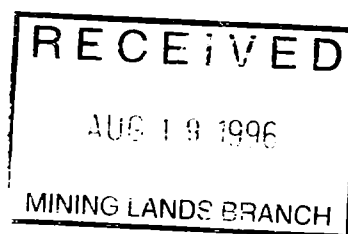
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COMSTATE RESOURCES LTD.

Report on Geochemistry

Samples 21109 - 21116

Mountjoy Township Gold Property, Timmins, Ontario



2.16720

June, 1996

Timmins, Ontario

Quail # 2.3899

Dale R. Pyke

**Comstate Resources Ltd
Report on Geochemistry
Mountjoy Township Property, Timmins Ontario**

Introduction

The property, 6 km northwest of Timmins City Centre (Figure 1), is in part located in Lot 8, Conc 1V, Mountjoy Township (Figure 2)

Comstate Resources Ltd is the owner of the mining rights on claims P568931, P568934 and the patented half lot (N1/2, Lot 8, Conc 1V) immediately to the north.

The property is readily accessed via the Sandy Falls road.

Previous reports on the property have described the general geology (Timmins files - T2359 and T2526).

This report discusses the geochemistry of eight samples of diamond drill core from hole MJ-86-06, located near the south boundary of the patented half lot (Figure 3). The hole, 487 feet in length, was drilled by Zahaffy Mines Limited in 1986 and collared at -50 degrees, azimuth 110.

The core is stored at the regional core library. Numbers of the analyzed samples and corresponding footages are as follows:

<u>Sample</u>		<u>Footage</u>
21109	-	389
21110	-	483
21111	-	184
21112	-	279
21113	-	209
21114	-	146
21115	-	103
21116	-	89

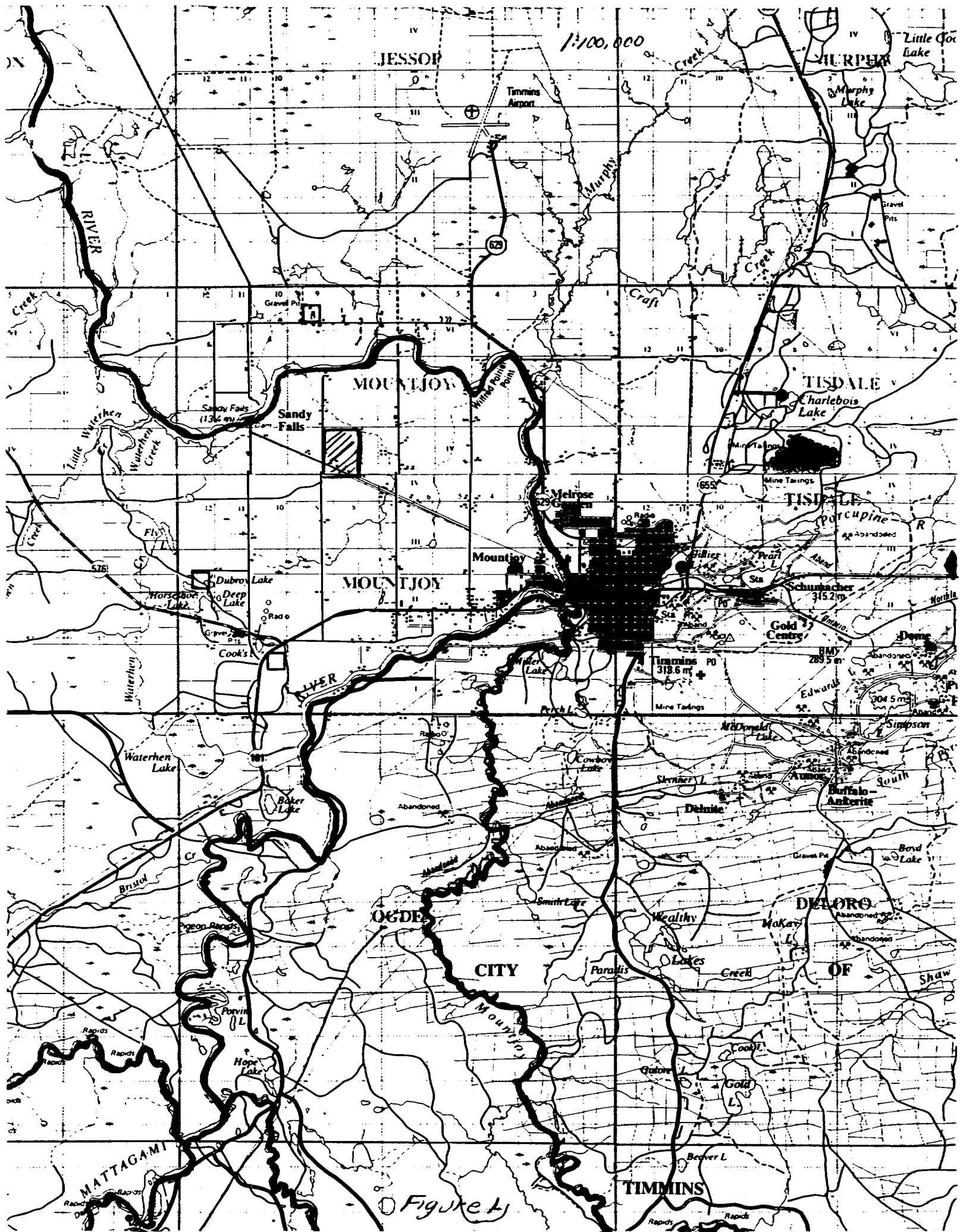
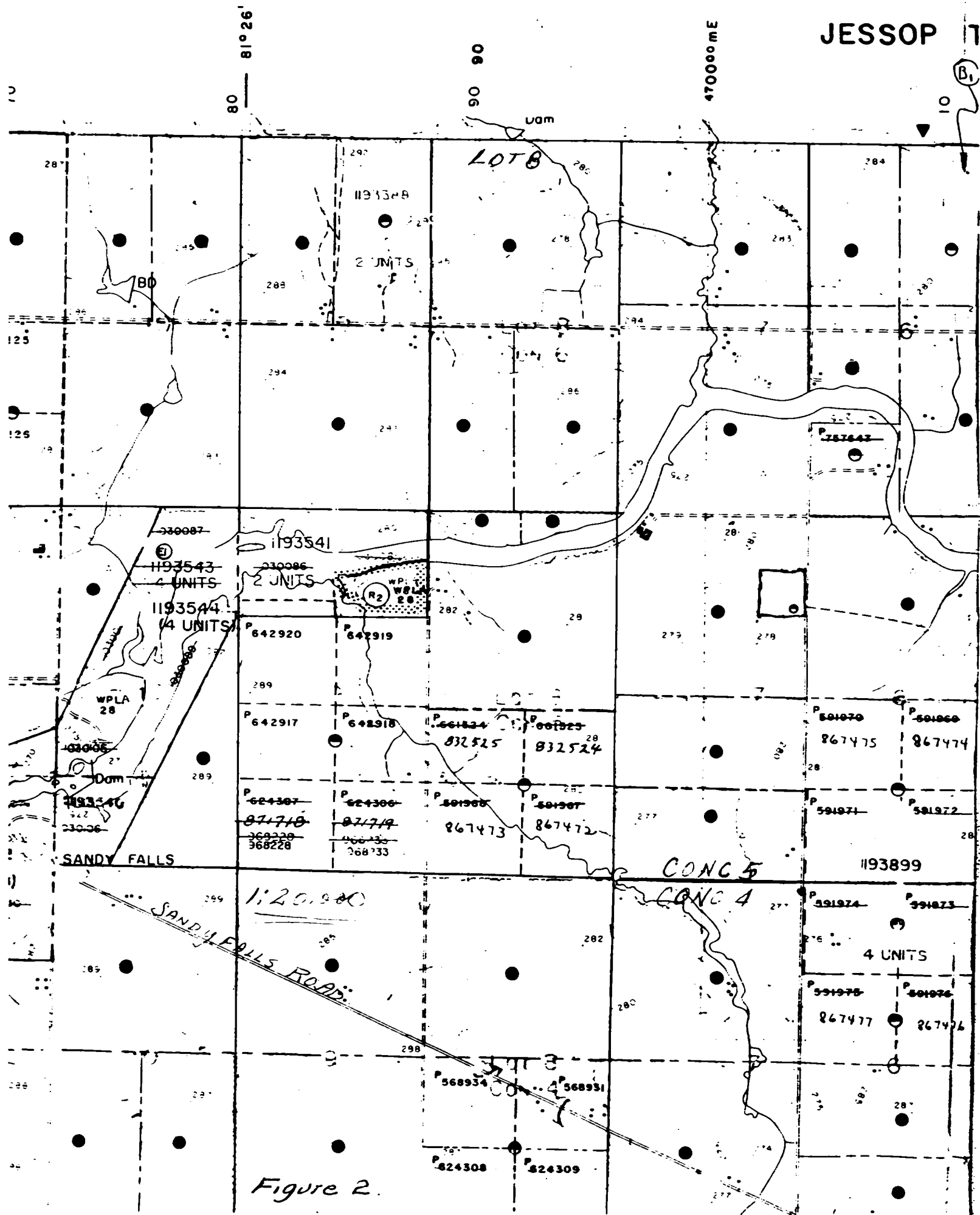


Figure 1



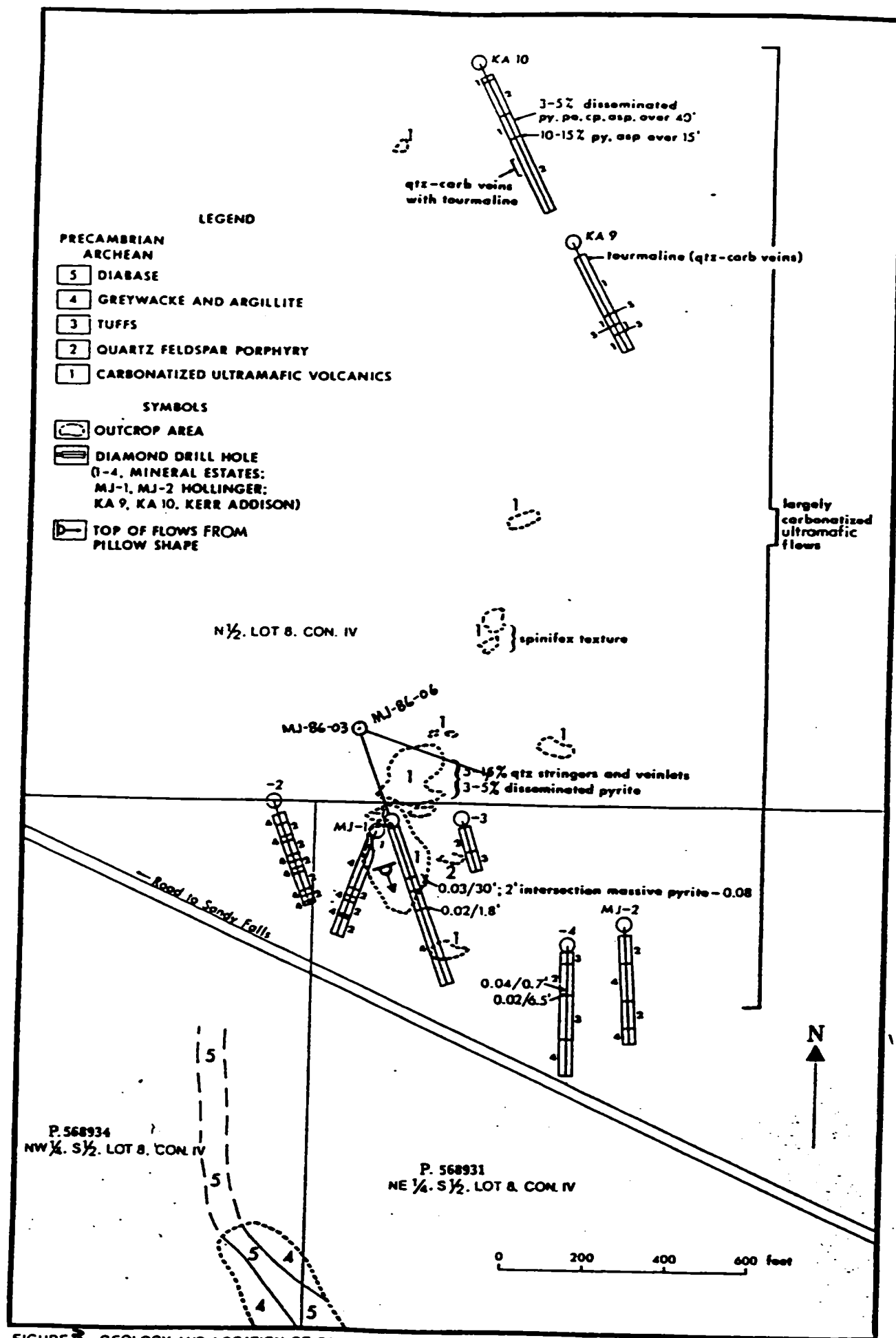


FIGURE 2 - GEOLOGY AND LOCATION OF PREVIOUS DIAMOND DRILL HOLES IN AREA OF OUTCROP ON LOT 8, CON. IV, MOUNTJOY TOWNSHIP. (BEATON, 1983)

Geochemistry of Samples 21109 - 21116

Diamond Drill Hole MJ-86-96, Mountjoy Township

Discussion

Eight samples of highly altered core were obtained from diamond drill hole MJ-86-96, drilled on Comstate Resources Mountjoy Township gold property. Samples 21109, 21112 - 21114 were originally logged as komatiites, samples 21110 - 21111 as mafic volcanics and samples 21115 - 21116 as porphyry. Sample descriptions are given in Table 1 and the geochemical data are presented in Table 2 and in the appended original data sheets.

On both the Jensen Cation Plot (Figure 4) and the AFM Diagram (Figure 5), none of the samples plot within the komatiitic field. This is unusual since samples 21112 and 21114 are very chrome rich (0.34 and 0.35 weight percent respectively) and both samples contain some chrome mica (fuchsite). Iron enrichment during carbonatization, to form ferroan dolomite-ankerite and pyrite, may account for the unusually high iron to magnesium ratios in these rocks. Samples 21109 and 21113 plot as tholeiites and are not significantly chrome bearing; as such, they are likely tholeiitic basalts. Samples 21110 and 21111 were logged as magnesium tholeiites and both samples plot within the calc-alkaline field. This is likely due to intense sericitization and possible albitization of the rocks during gold related hydrothermal alteration. Samples 21115 and 21116, logged as highly carbonatized and sericitized feldspar porphyries, both plot as predicted within the more differentiated portions of the calc-alkaline field on the Jensen Plot and the AFM diagram. A plot of TiO_2 versus Zr (Figure 6) supports the interpretation that these samples represent original basalt and komatiitic compositions.

Bivariate plots utilizing relatively immobile trace elements (Figures 7 and 8) indicate that the rocks are sub-alkaline, with the single exception of 21114 on the $\text{Zr}/\text{TiO}_2 \cdot 0.001$ vs. Nb/Y plot. Plots utilizing silica and total alkalies (Figures 9 and 10) differ in that three of the eight samples (21111, 21113 and 21114) lie well within the alkaline fields. This discrepancy may support the mobility of K_2O and Na_2O , and demonstrate their enrichment during carbonatization, sericitization and albitization.

All the rocks are quite strongly carbonatized, with a very large proportion of the total loss on ignition being related to the content of CO₂ (Figure 11). The porphyry samples (21115 and 21116) are lower in CO₂ and display higher LOI/CO₂ ratios, likely reflecting more abundant sericite and chlorite in these rocks and a less intense degree of carbonatization.

Pearson Coefficients of Correlation for gold and related pathfinder elements are presented in Figure 12. Gold correlates moderately strongly with copper (Figure 16), silver (Figure 17), tungsten (Figure 18) as well as with CO₂, molybdenum and strontium. It is interesting to note the fairly strong *negative* correlation between gold and K₂O (-0.59), gold and arsenic (-0.43) and between CO₂ and K₂O (-0.68) (Figure 13); these negative correlations are unusual for gold related alteration systems. CO₂ and copper are quite strongly correlated (0.80) (Figure 14), as are K₂O - Rb (0.99) (Figure 15) and K₂O - Ba (0.97). The latter two correlations likely relate to the presence of barium-bearing muscovite/sericite in varying abundance in the rocks. The quite strong correlation between nickel and arsenic (0.83) (Figure 19) may result from both these elements now residing within the structure of pyrite - an ubiquitous mineral in the rocks sampled.

D. R. Lyke.

1996 Geochemical Analyses

Diamond Drill Hole MJ-86-06, Mountjoy Township

<u>Sample Number</u>	<u>Description</u>
21109	Komatiite?, carbonatized, sericitized, medium grey brown in colour, 3-5% pyrite grains to 2-3 mm in size.
21110	Basalt, medium grey brown, well foliated, carbonatized, Mg- tholeiite?, 1% coarse euhedral pyrite grains to 3-4 mm.
21111	Medium grey brown, fine grained, well foliated mafic volcanic; 2-3% coarse pyrite blebs to 3-4 mm.
21112	Komatiite; highly carbonatized, grey green brown in colour, talc-sericite and carbonate altered. Trace pyrite.
21113	Komatiite; carbonatized, medium-fine grained, medium grey brown in colour, 10-15% talc?, 3% coarse (3-5 mm) pyrite.
21114	Komatiite; medium dark green, carbonatized, 1-2% coarse (3-4 mm) pyrite, trace chalcopyrite.
21115	Feldspar porphyry, light grey, massive, minor wispy green carbonate inclusions.
21116	Breccia zone at contact between feldspar porphyry and possible komatiite.

Table 1

Sample Descriptions

Sample	21109	21110	21111	21112
Rocktype	Komatiit	Basalt	Basalt	Komatiit
SiO2	27.4	44	45.6	46
TiO2	0.426	0.419	0.421	0.522
Al2O3	14.9	15.6	16.2	9.28
Fe2O3	14.6	9.07	7.33	12.5
MnO	0.36	0.31	0.23	0.33
MgO	7.4	5.05	4.23	6.84
CaO	14	8.84	8.36	9.71
Na2O	2.38	1.94	4.96	0.61
K2O	0.22	1.17	0.36	0.07
P2O5	0.03	0.03	0.03	0.02
Cr2O3	0.03	0.05	0.03	0.34
CO2	19.8	12.5	11.9	12.8
LOI	18.5	13.7	11.5	14.3
Total	100.3	100.3	99.3	100.5
Ba	183	391	190	39
Rb	10	27	13	8
Sr	252	198	158	82
Y	18	18	21	11
Zr	25	47	32	33
Nb	6	6	5	4
Au	14	5	13	5
As	9	25	34	94
Sb	0.05	0.05	0.05	0.05
W	3	0.02	5	0.02
Mo	2	0.5	0.5	0.5
Pb	4	0.02	0.02	0.02
Ni	166	127	195	672
Cu	142	62.8	77.8	62.2
Zn	116	155	39.1	66.9
V	52	37	33	129
Cr	62	72	61	1480
Sc	23.3	11.4	14.1	20.4
Co	54	38	46	87
Be	0.5	0.5	0.5	0.5
Ag	0.4	0.2	0.1	0.1
Bi	-	-	-	-
La	1.6	1	0.9	1
Ce	-	-	-	-
Pr	-	-	-	-
Nd	-	-	-	-
Sm	-	-	-	-
Eu	-	-	-	-
Gd	-	-	-	-
Tb	-	-	-	-
Dy	-	-	-	-
Ho	-	-	-	-
Er	-	-	-	-
Tm	-	-	-	-
Yb	-	-	-	-
Lu	-	-	-	-
Th	-	-	-	-
U	-	-	-	-

Table 2

Geochemical Data, Mountjoy Township Property

Sample	21113	21114	21115	21116
Rocktype	Komatiit	Komatiit	Porphyry	Porphyry
SiO2	37.4	33.2	67.2	48.3
TiO2	0.344	0.471	0.161	0.468
Al2O3	13.4	9.45	10.7	18.1
Fe2O3	13.2	13.3	0.95	0.74
MnO	0.32	0.45	0.09	0.09
MgO	6.22	6.15	0.43	5.35
CaO	11.3	15.7	8.93	6.1
Na2O	2.32	1.06	3.83	2.32
K2O	0.18	0.45	0.9	1.71
P2O5	0.03	0.03	0.04	0.04
Cr2O3	0.03	0.35	0.03	0.04
CO2	15.9	20.3	6.59	4.62
LOI	14.2	19.8	6.85	8.05
Total	99	100.5	100.2	99.4
Ba	107	194	336	736
Rb	7	13	24	42
Sr	217	150	98	99
Y	18	6	19	9
Zr	33	19	25	39
Nb	3	6	5	4
Au	11	9	5	5
As	7	96	28	60
Sb	0.05	0.05	0.05	0.05
W	3	7	2	3
Mo	0.5	0.5	0.5	0.5
Pb	2	3	4	3
Ni	222	864	32	164
Cu	200	138	4	41.9
Zn	210	71	15.7	101
V	52	61	5	64
Cr	83	737	78	100
Sc	18.7	14	3.3	10.6
Co	57	81	6	47
Be	0.5	0.5	0.5	0.5
Ag	0.3	0.2	0.1	0.1
Bi	-	-	-	-
La	1.4	1.9	2.3	2
Ce	-	-	-	-
Pr	-	-	-	-
Nd	-	-	-	-
Sm	-	-	-	-
Eu	-	-	-	-
Gd	-	-	-	-
Tb	-	-	-	-
Dy	-	-	-	-
Ho	-	-	-	-
Er	-	-	-	-
Tm	-	-	-	-
Yb	-	-	-	-
Lu	-	-	-	-
Th	-	-	-	-
U	-	-	-	-

Table 2

Geochemical Data, Mountjoy Township Property (cont.)

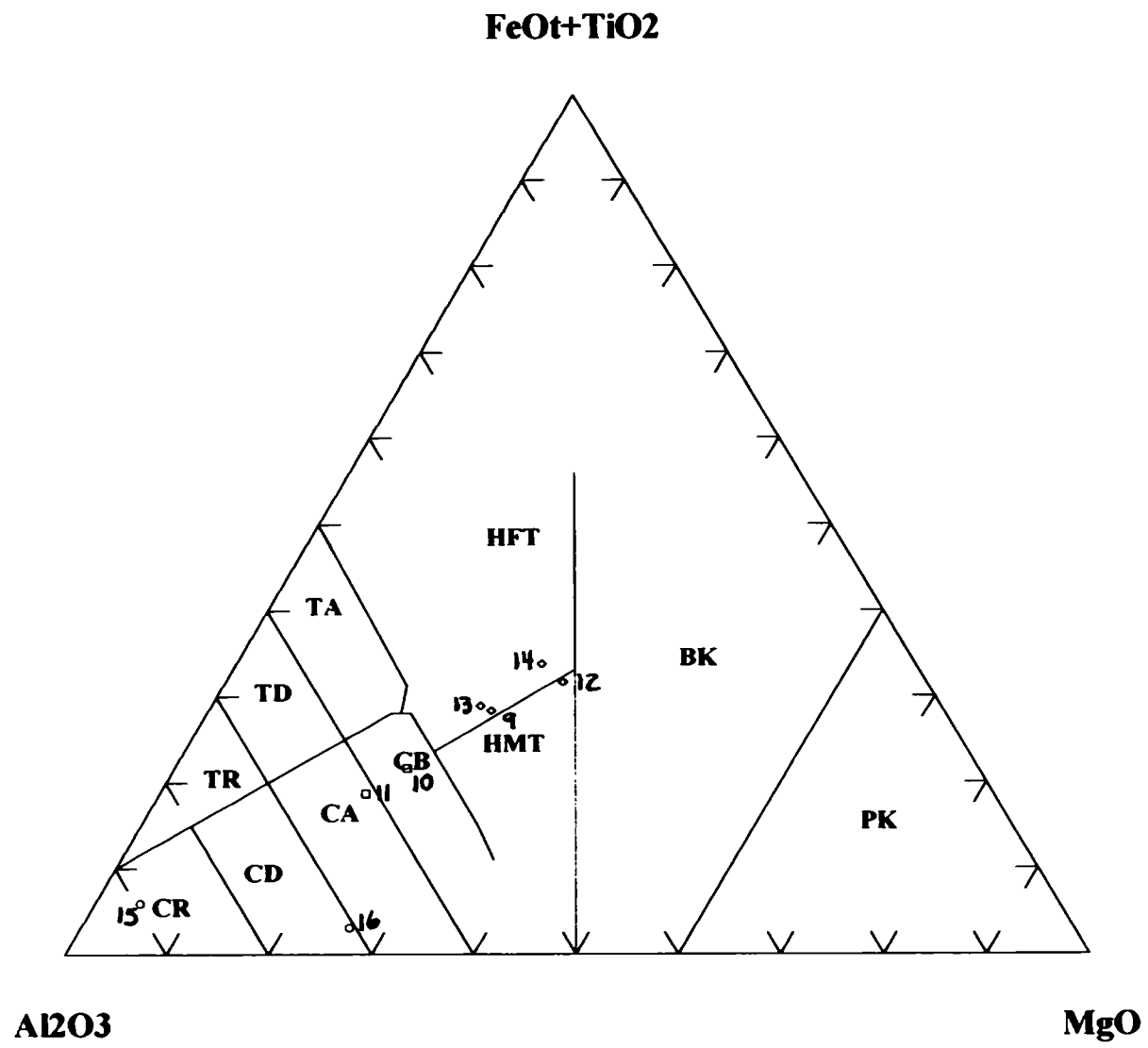


Figure 4 Jensen Cation Plot (Jensen, 1976)

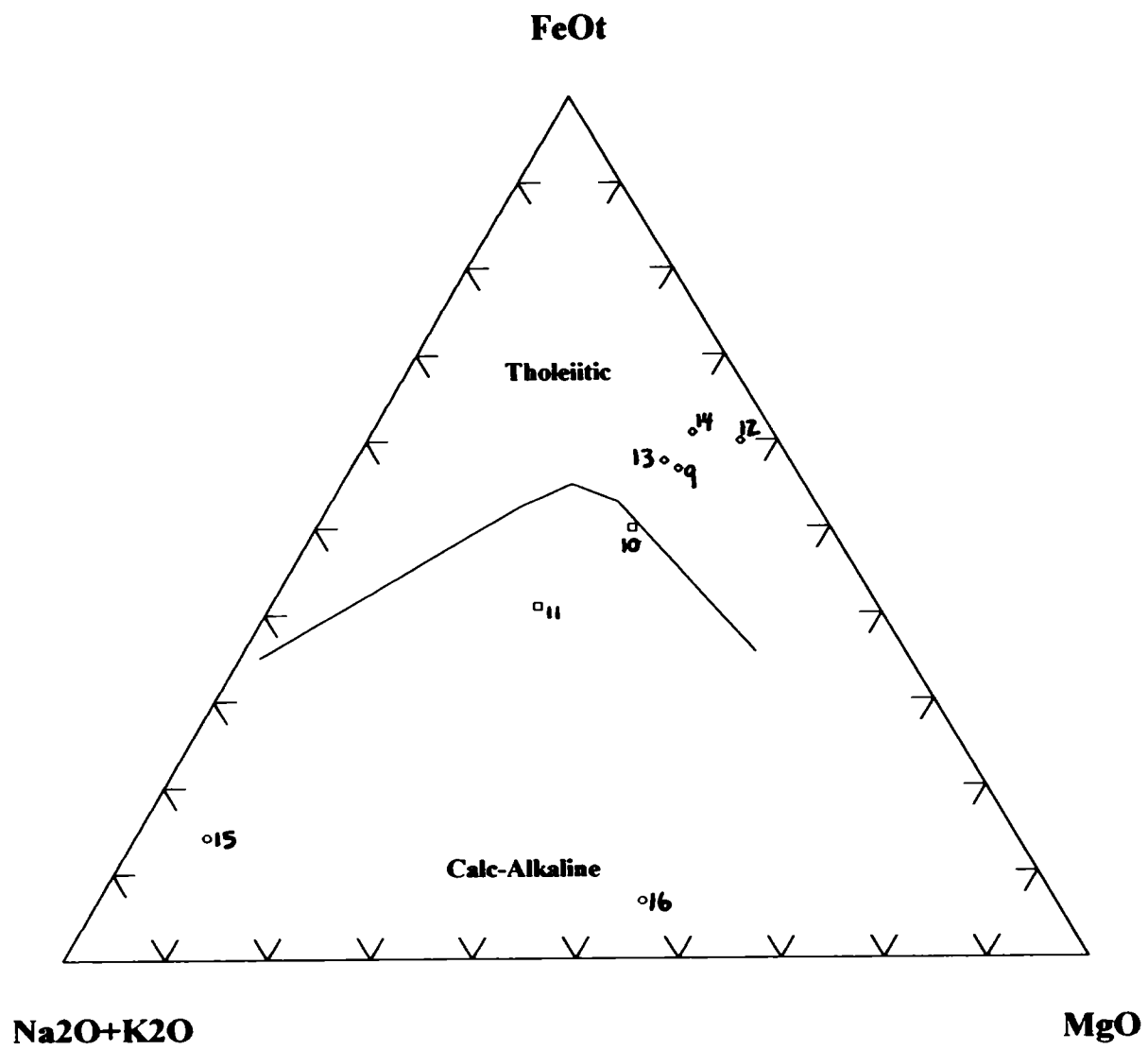


Figure 5 AFM Diagram (Irvine and Barager, 1971)

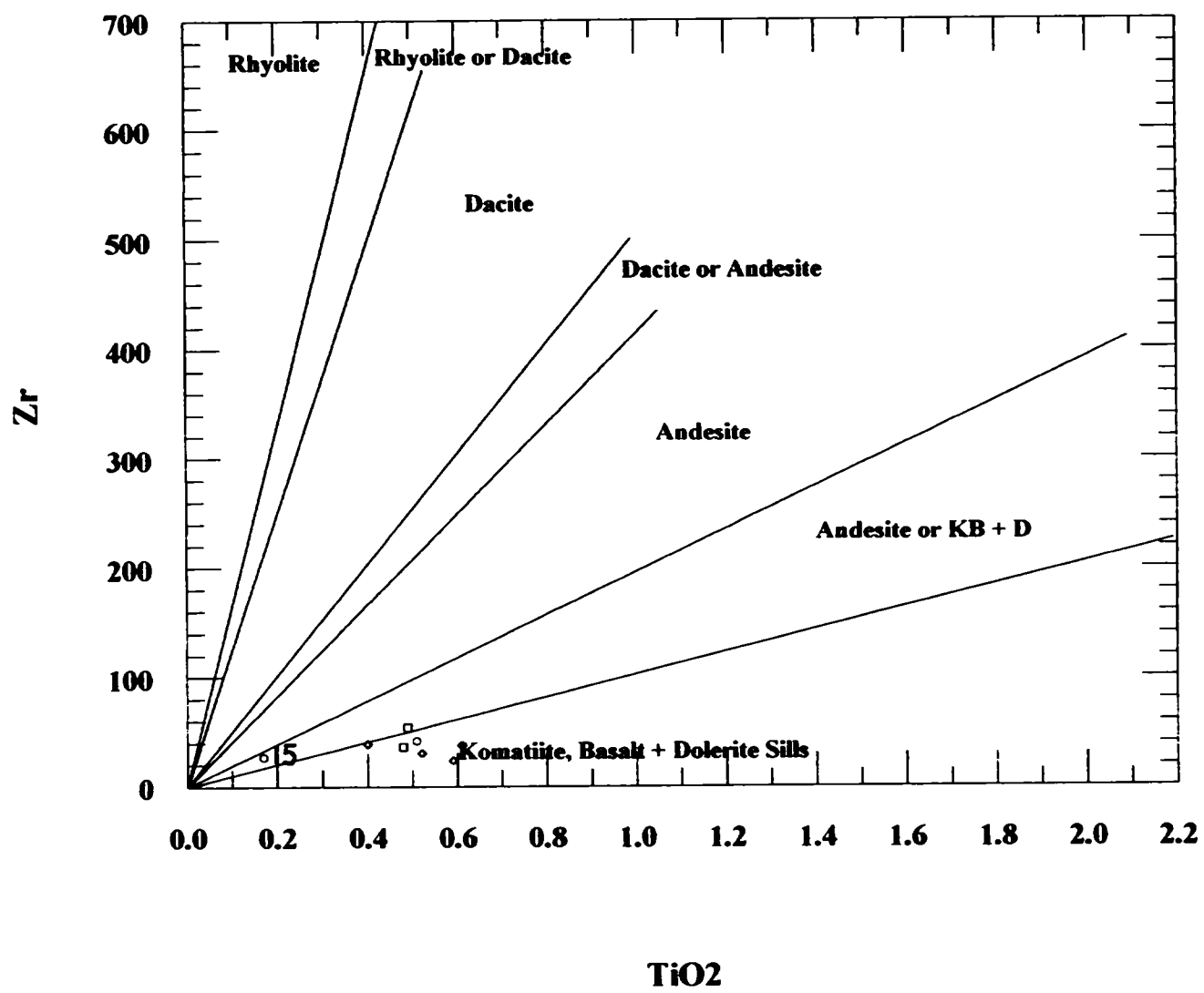


Figure 6

TiO₂ - Zr Plot

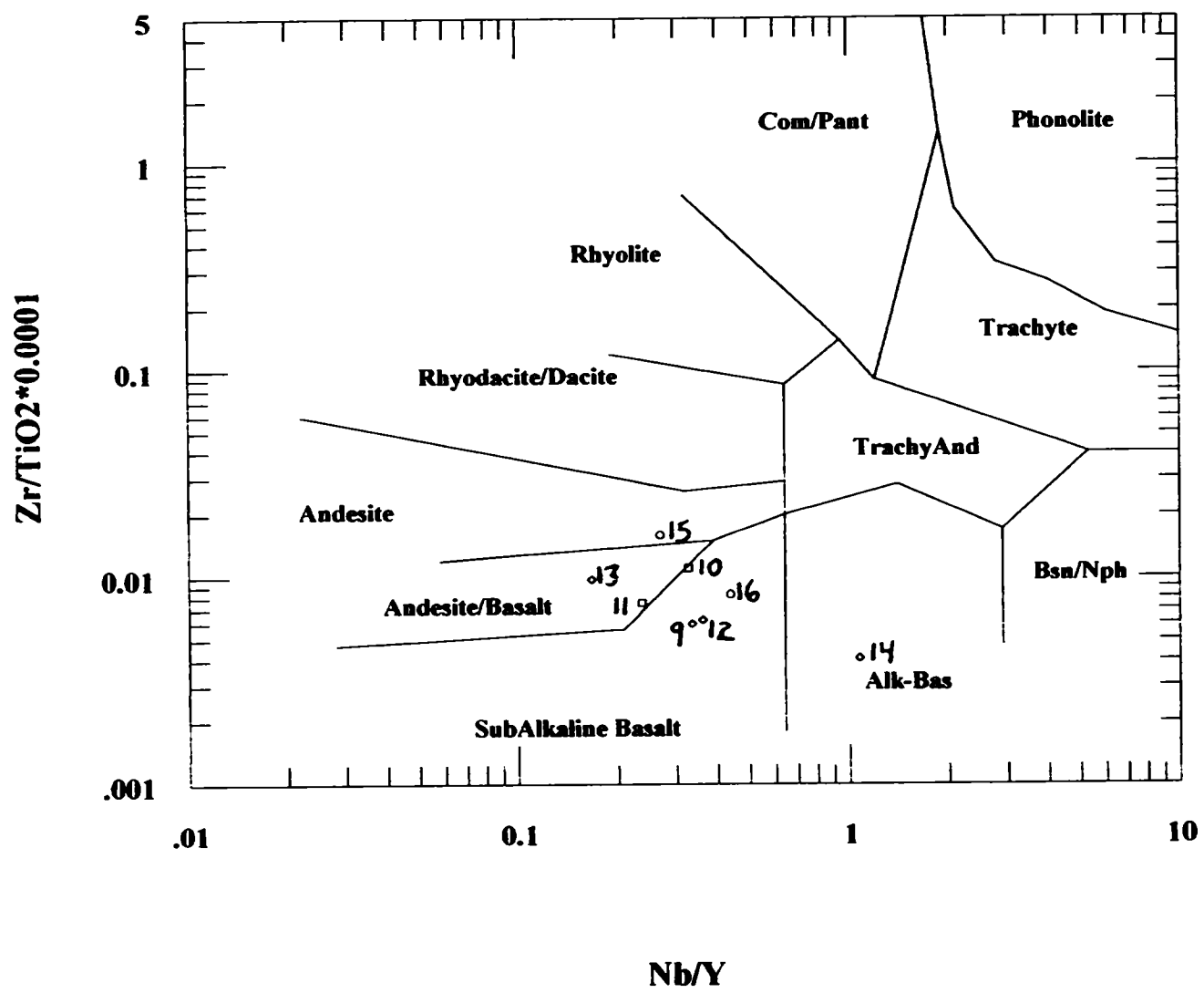


Figure 7

Log(Nb/Y) - Log(Zr/TiO₂) Plot (Winchester and Floyd, 1977)

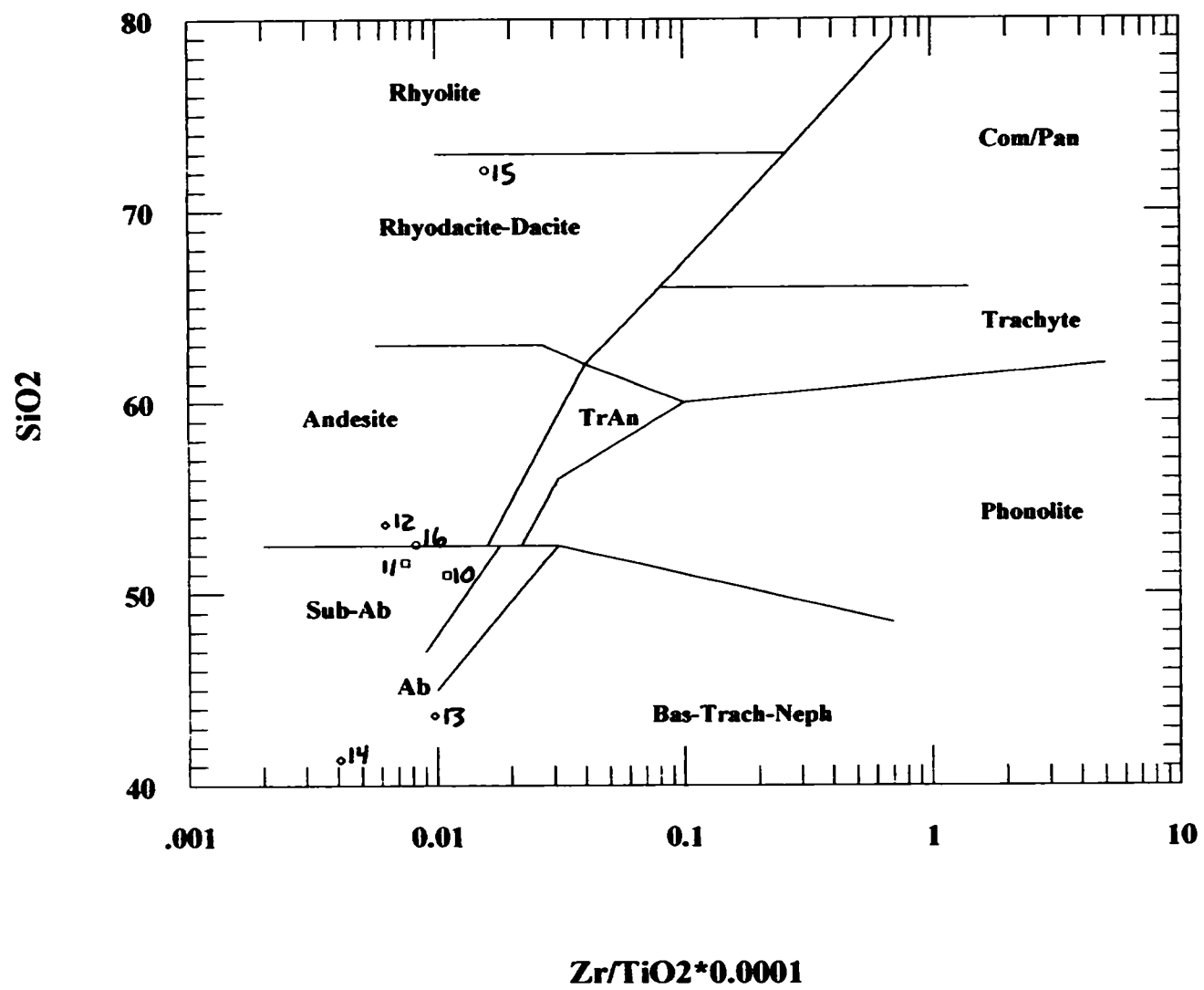


Figure 8 Log (Zr/TiO₂) - SiO₂ Plot (Winchester and Floyd, 1977)

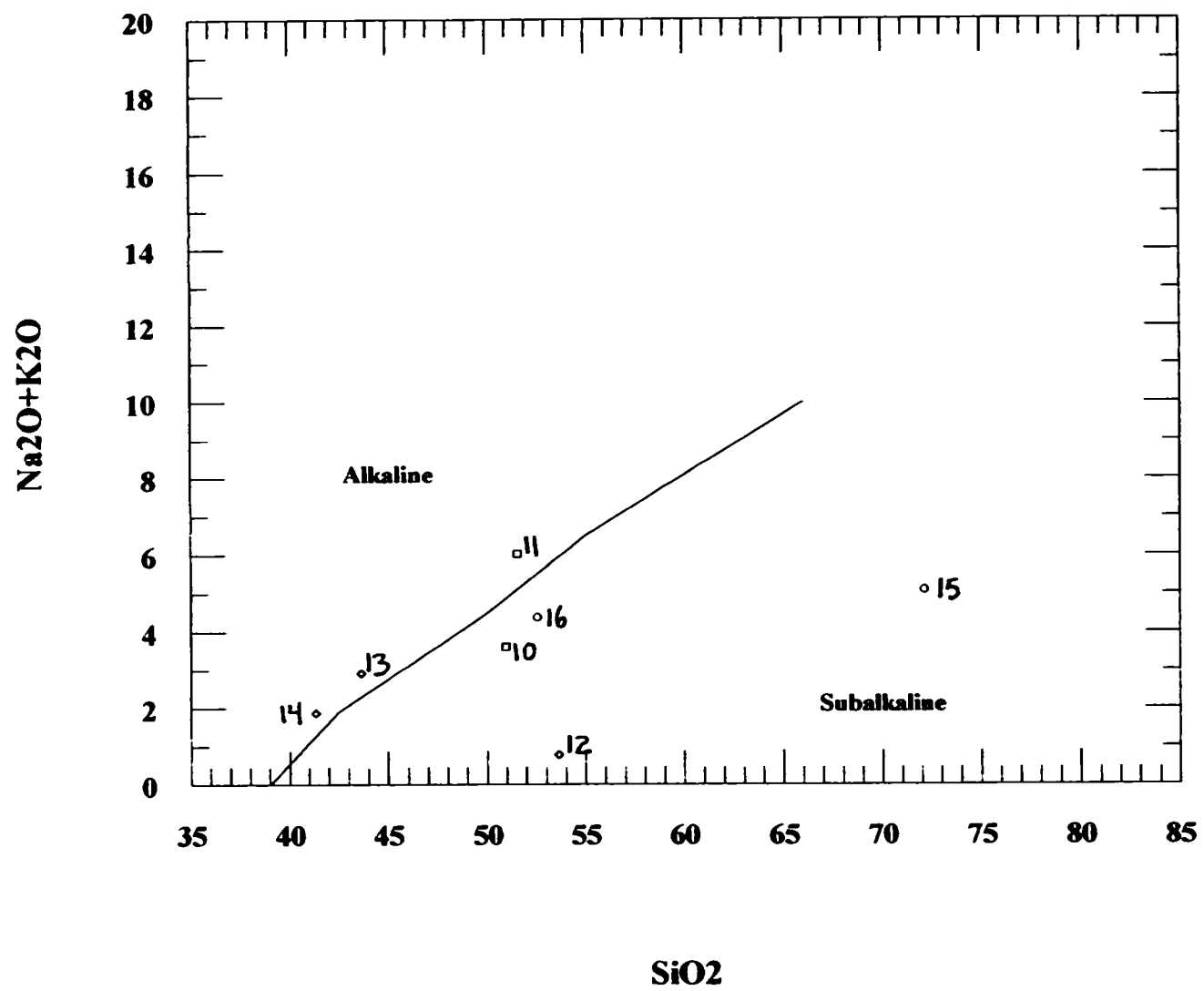


Figure 9 SiO₂ - (Na₂O + K₂O) Plot, (Irvine and Baragar, 1971)

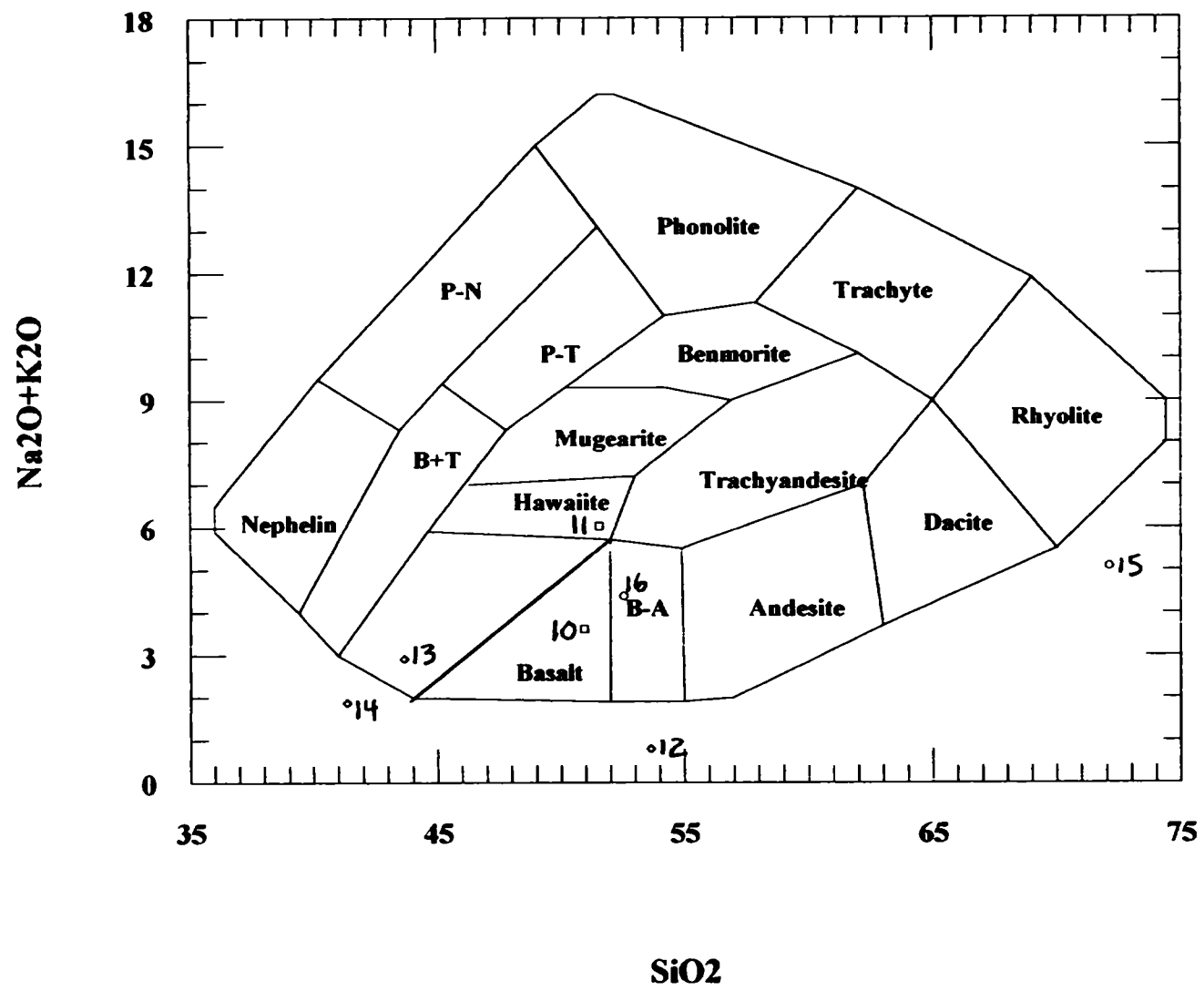


Figure 10 SiO₂ - (Na₂O + K₂O) Plot, (Cox et al, 1979)

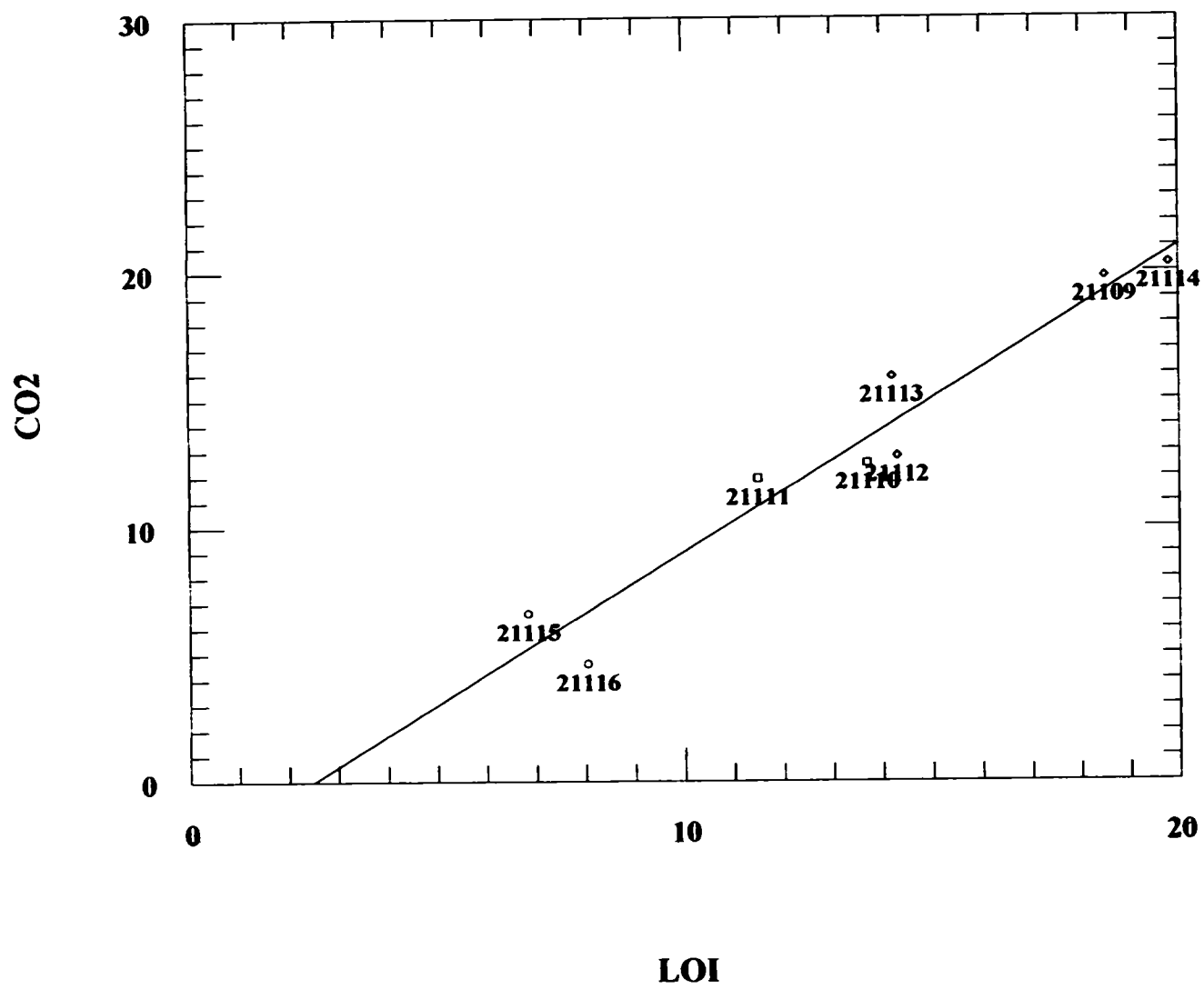


Figure 11 LOI - CO2 Plot

	CO2 Pb	Ba Ni	Rb Cu	Sr Zn	Na2O Co	K2O	Au	As	Sb	W	Mo
Ag	0.74 0.36	-0.29 -0.07	-0.44 0.77	0.93 0.63	-0.13 0.20	-0.37	0.63	-0.53	0.00	0.10	0.76
Co	0.64 -0.25	-0.47 0.87	-0.52 0.54	0.12 0.17	-0.68	-0.52	0.20	0.63	0.00	0.25	0.07
Zn	0.32 -0.11	-0.01 -0.15	-0.10 0.67	0.63	-0.31	-0.01	0.17	-0.44	0.00	-0.21	0.12
Cu	0.80 0.08	-0.49 0.29	-0.64	0.75	-0.20	-0.57	0.69	-0.22	0.00	0.40	0.32
Ni	0.53 -0.13	-0.42	-0.42	-0.16	-0.66	-0.40	-0.03	0.83	0.00	0.38	-0.18
Pb	0.05	0.27	0.18	0.12	0.04	0.15	0.12	-0.17	0.00	0.34	0.46
Mo	0.49	-0.14	-0.27	0.65	0.04	-0.29	0.58	-0.40	0.00	0.02	
W	0.38	-0.04	-0.17	0.16	0.25	-0.15	0.55	0.19	0.00		
Sb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
As	0.01	-0.03	0.03	-0.62	-0.59	0.00	-0.43				
Au	0.64	-0.45	-0.60	0.72	0.43	-0.59					
K2O	-0.68	0.97	0.99	-0.33	0.05						
Na2O	-0.31	0.10	0.08	0.08							
Sr	0.73	-0.27	-0.42								
Rb	-0.75	0.98									
Ba	-0.64										

Figure 12 Pearson Coefficients of Correlation for Gold and Related Pathfinder Elements

Mountjoy Township Property

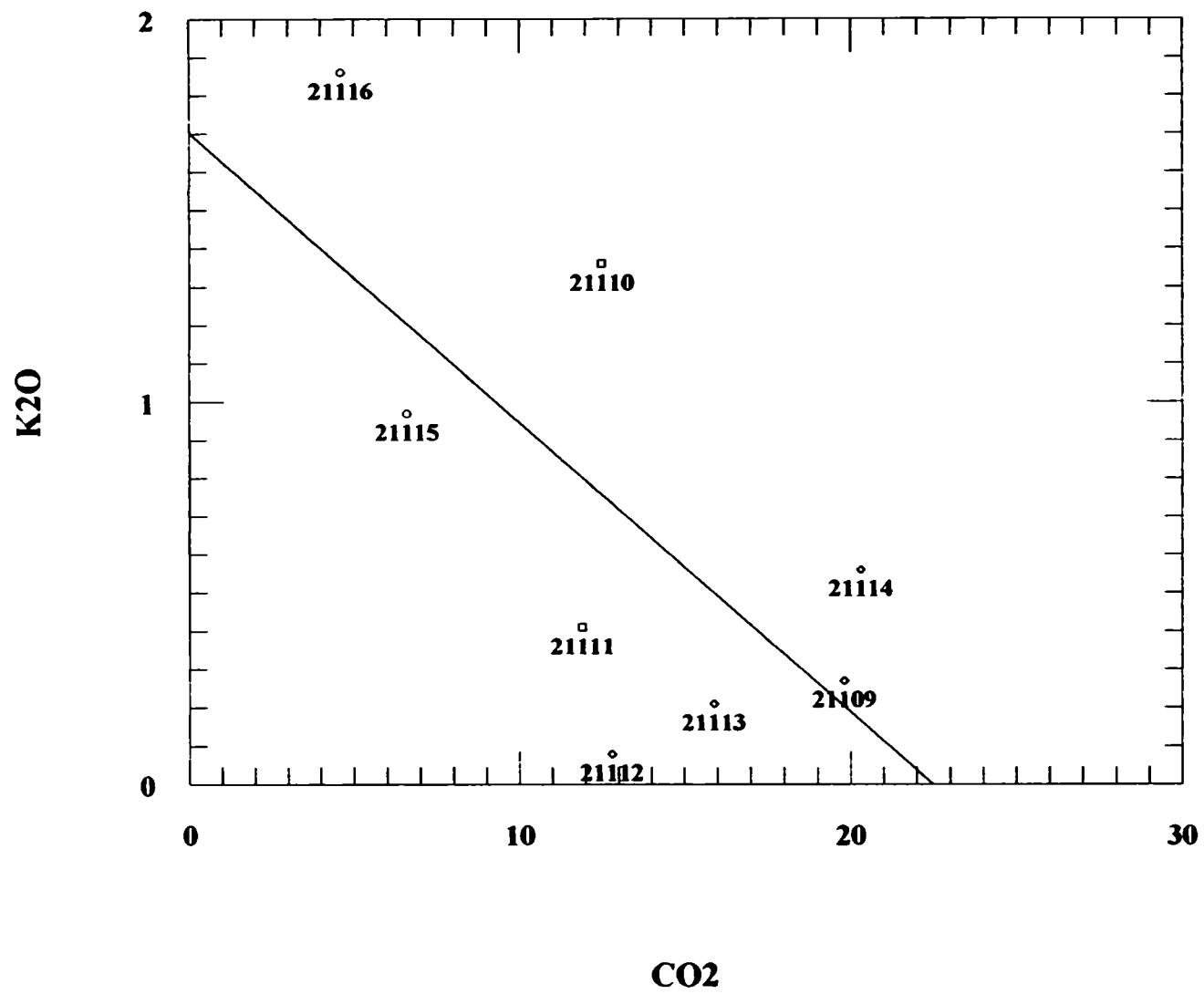


Figure 13 CO2 - K20 Plot

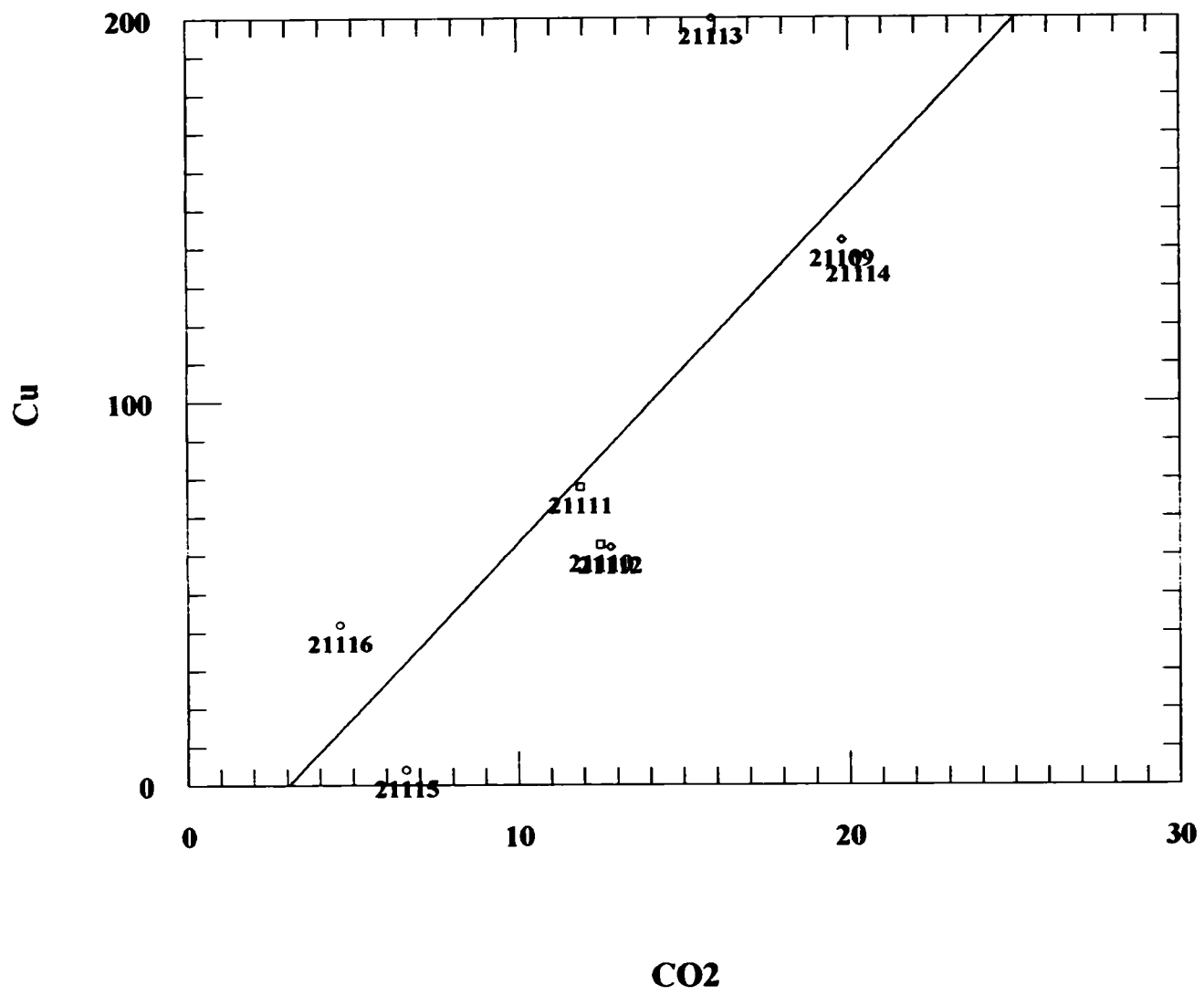


Figure 14 CO2 - Cu Plot

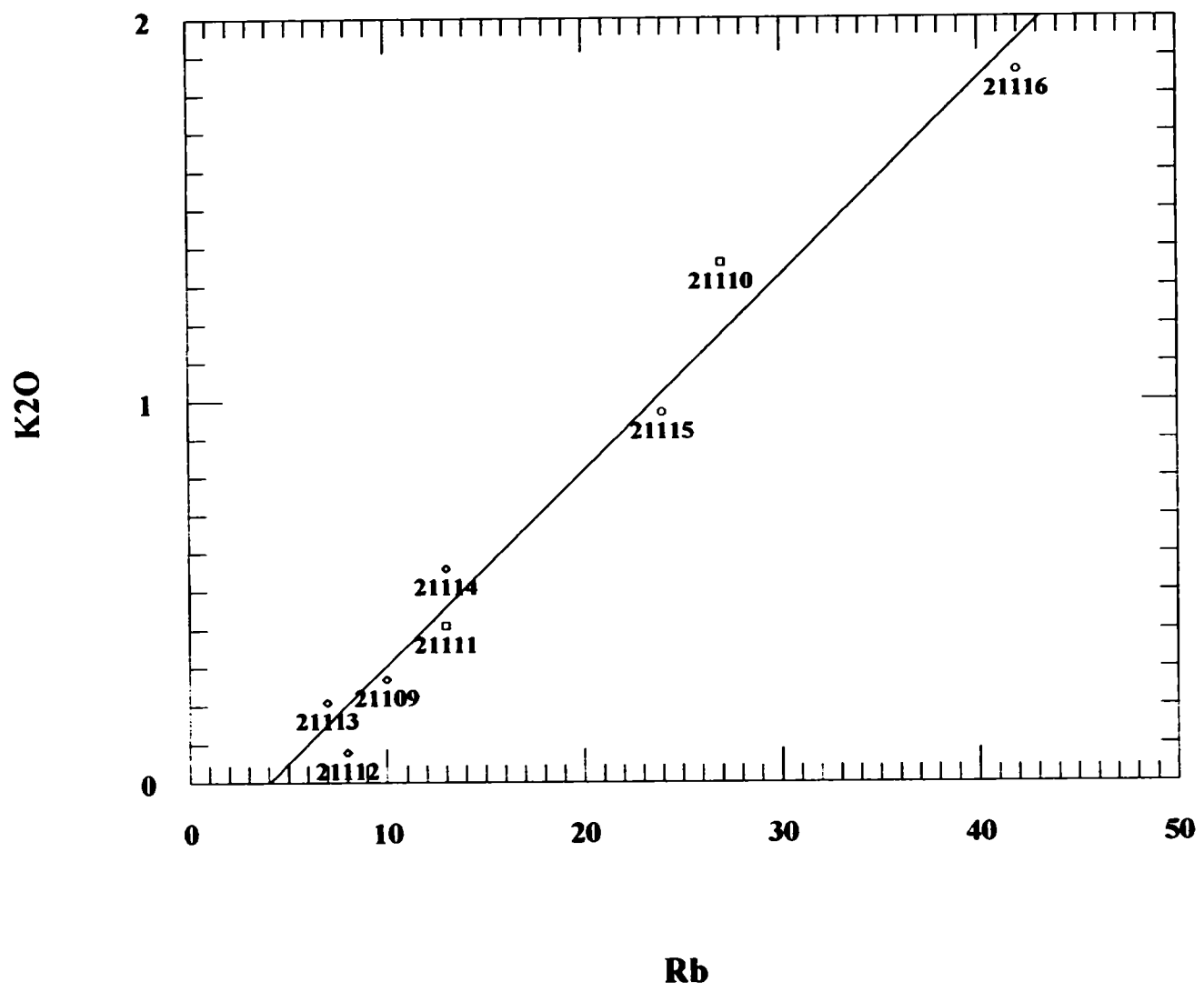


Figure 15 K2O - Rb Plot

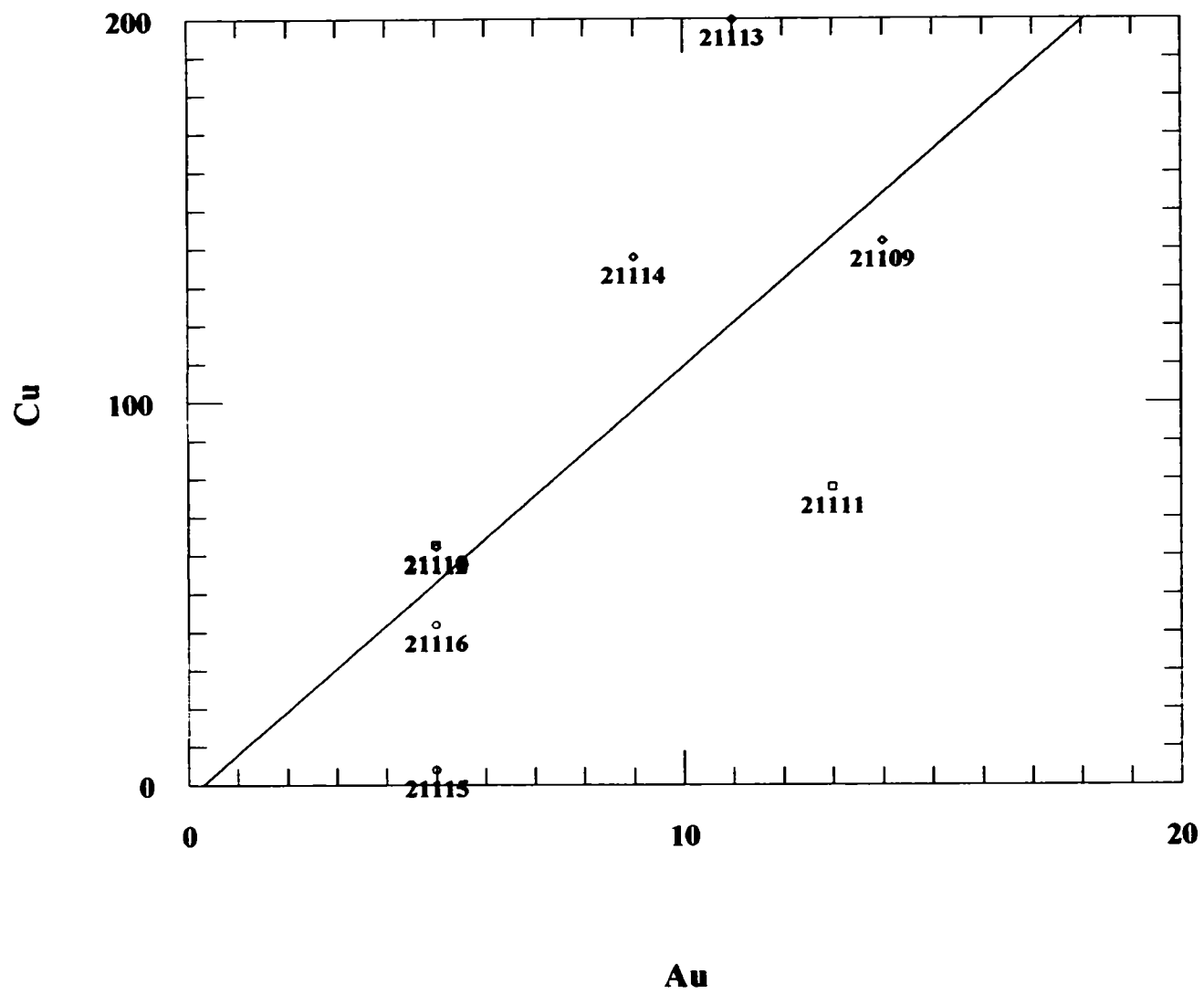


Figure 16 Au - Cu Plot

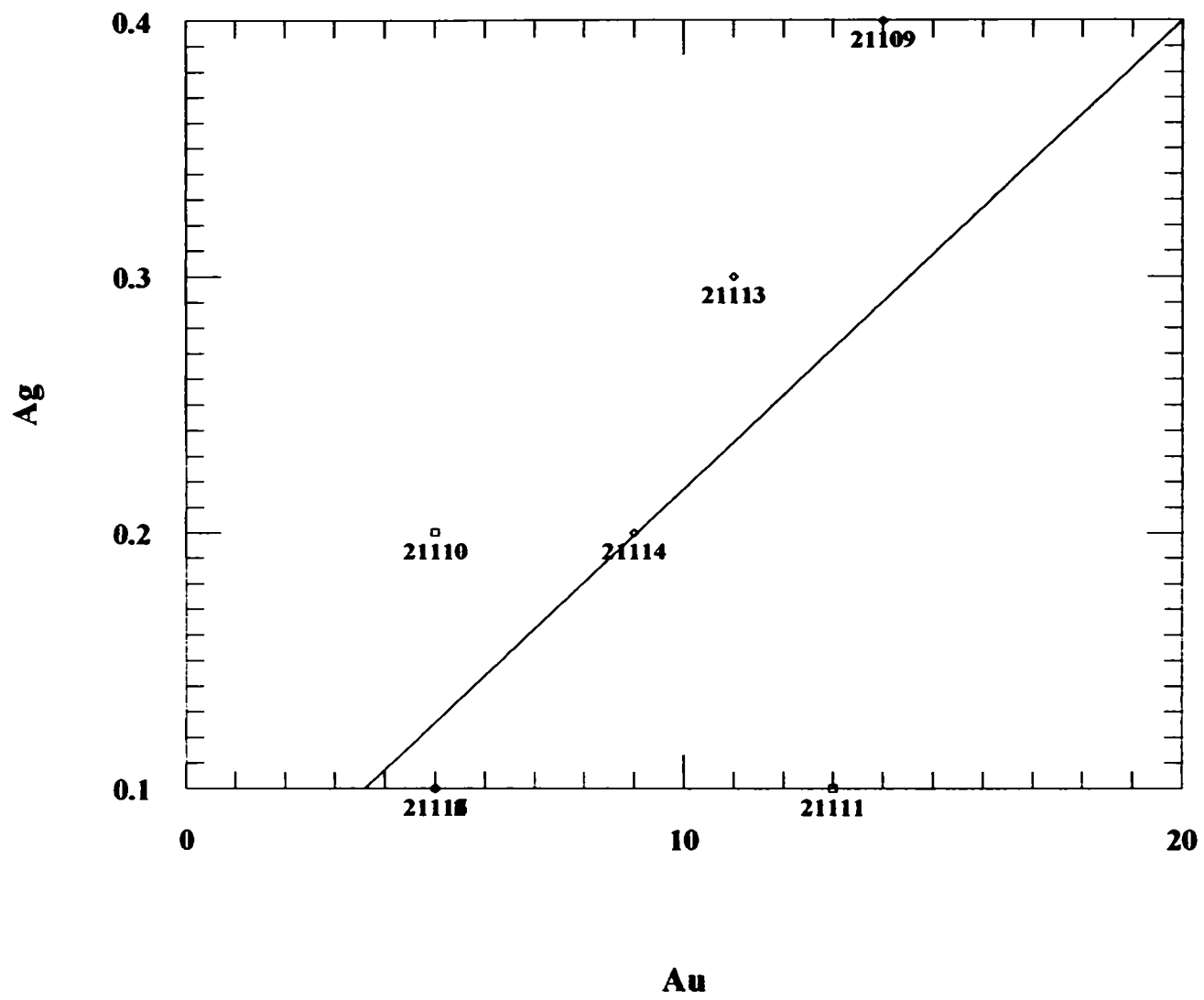


Figure 17 Au - Ag Plot

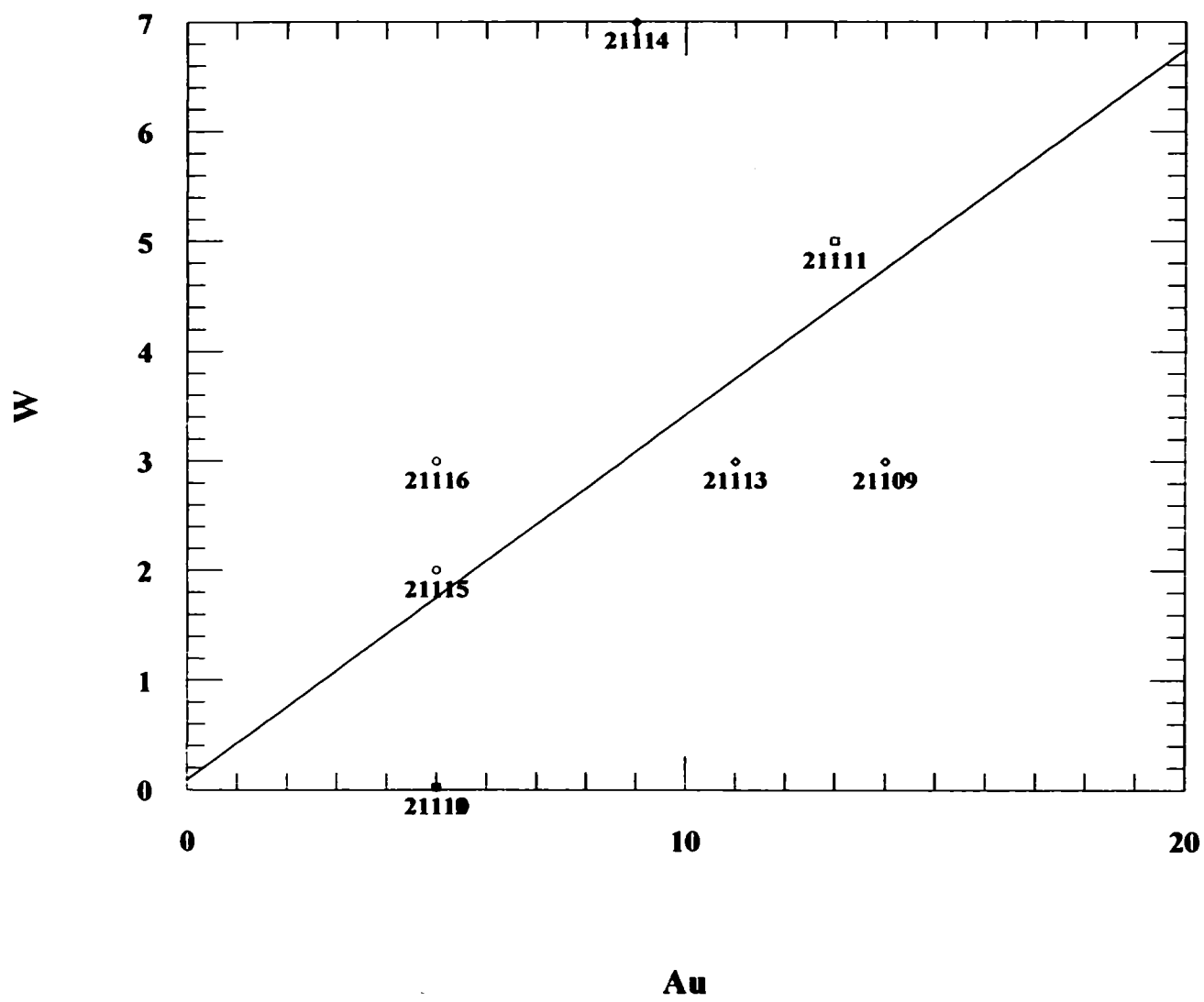


Figure 18 Au - W Plot

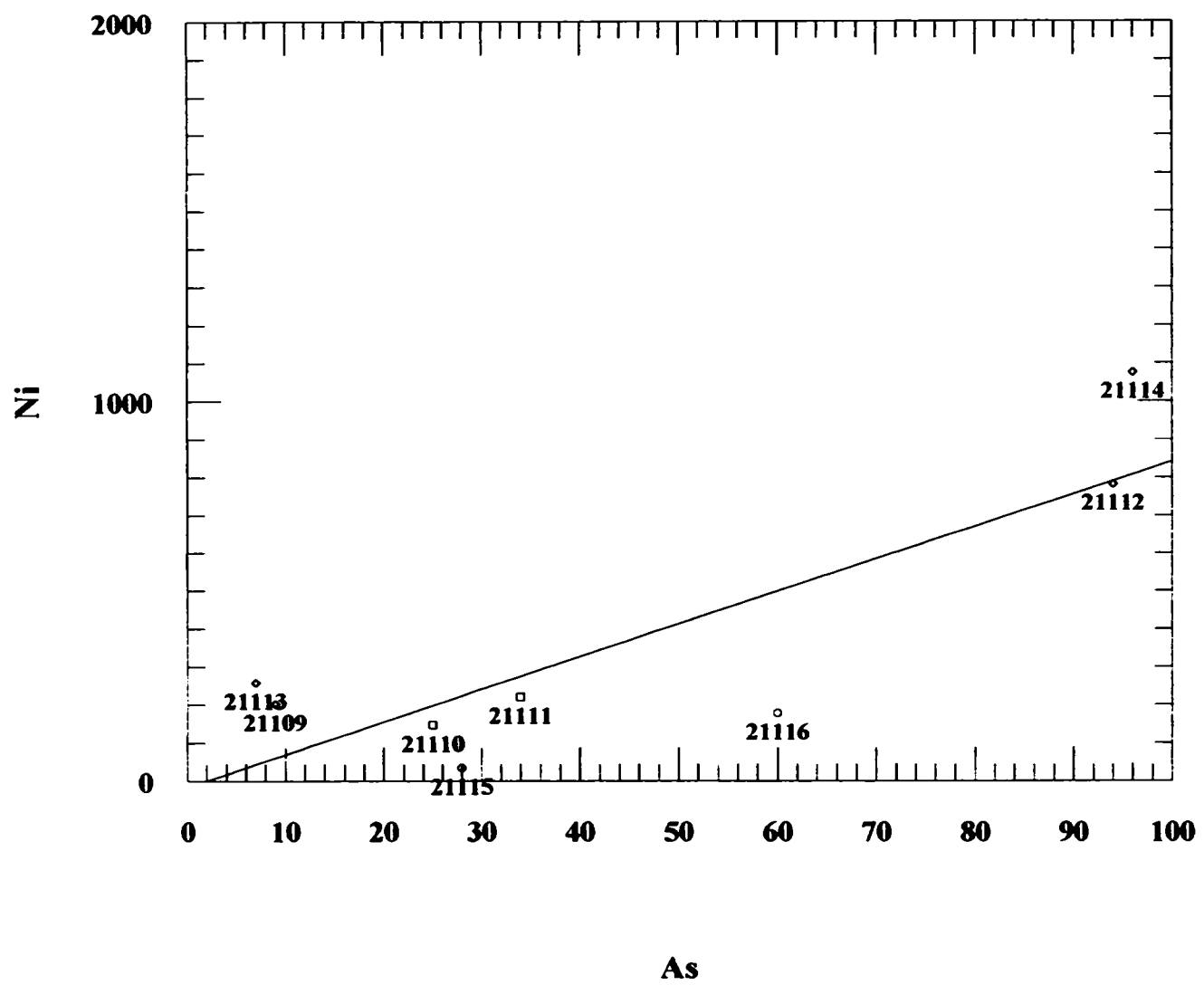


Figure 19 As - Ni Plot

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31 DELAIR CRESCENT
THORNHILL, ONTARIO
L3Y 2M3Invoice Date: 30-May-96
Work Order No.: 8364
Date Submitted: 13-May-96
Report No.: 6983
Customer No.: 154-1/20986
Your P.O. No.:
Your Project No.:Submitted To:
D.R. PIKE & ASSOCIATES
ATTN: D.R. PIKE
31 DELAIR CRESCENT
THORNHILL, ONTARIO
L3Y 2M3

QUANTITY	DESCRIPTION METHOD	CODE NUMBER	UNIT COST	AMOUNT
9	WHOLE ROCK ANALYSIS (XRF-102)	6 0 0 0 0	39.90	359.10
9	AL, AS, SA, H (NA-BASIC)	20 0 0 0 0	13.75	123.75
	31 ELE (ICP-78)	4 9 0 0 0	8.15	73.35
	CO2 (CHN-114)	9 0 0 0 0	12.90	116.10
1	RARE EARTH (ICPMS-17)	12 0 0 0 0	79.00	79.00
9	CROSSLING	1 0 0 0 0	2.90	26.10
9	MILLING	1 0 0 0 0	2.65	23.85
9	SILICA SAND CLEANERS	1 0 0 0 0	1.55	13.95
	GST REG NO. R105082572 APPLIED TO \$815.20			57.06
MISC CHARGES				
SHIPPING CHARGES		CUSTOM BROKERAGE	TELEFAX	MINIMUM CHARGES
OTHER			SURCHARGE - PUSH SERVICE	
TERMS NET 30-DAYS, 1.5% PER MONTH INTEREST ON ACCOUNTS OVER 30 DAYS				

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CERTIFICATE OF ANALYSIS
REPORT 6903

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ATTN: D.R. PYKE
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THORNHILL, ONTARIO
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CUSTOMER No. 754

DATE SUBMITTED
13-May-96

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TOTAL PAGES 9

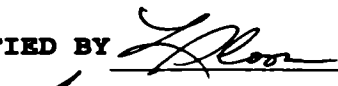
9 ROCKS

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BE PPM	ICP	.5	ICP-70	CD PPM	ICP	1.	ICP-70
CO2 %	COULOM	.01	110-4	SN PPM	ICP	10.	ICP-70
NA %	ICP	.01	ICP-70	SB PPM	NA	.5	NA-BASIC
WRMAJ %	XRF-F	.01	XRF-102	SB PPM	ICP	5.	ICP-70
MG %	ICP	.01	ICP-70	BA PPM	ICP	1.	ICP-70
AL %	ICP	.01	ICP-70	LA PPM	ICPMS	.1	ICPMS-17
P %	ICP	.01	ICP-70	LA PPM	ICP	.5	ICP-70
K %	ICP	.01	ICP-70	CE PPM	ICPMS	.1	ICPMS-17
CA %	ICP	.01	ICP-70	PR PPM	ICPMS	.1	ICPMS-17
SC PPM	ICP	.5	ICP-70	ND PPM	ICPMS	.1	ICPMS-17
TI %	ICP	.01	ICP-70	SM PPM	ICPMS	.1	ICPMS-17
V PPM	ICP	2.	ICP-70	EU PPM	ICPMS	.05	ICPMS-17
CR PPM	ICP	1.	ICP-70	GD PPM	ICPMS	.1	ICPMS-17
MN PPM	ICP	2.	ICP-70	TB PPM	ICPMS	.1	ICPMS-17
FE %	ICP	.01	ICP-70	DY PPM	ICPMS	.1	ICPMS-17
CO PPM	ICP	1.	ICP-70	HO PPM	ICPMS	.05	ICPMS-17
NI PPM	ICP	1.	ICP-70	ER PPM	ICPMS	.1	ICPMS-17
CU PPM	ICP	.5	ICP-70	TM PPM	ICPMS	.1	ICPMS-17
ZN PPM	ICP	.5	ICP-70	YB PPM	ICPMS	.1	ICPMS-17
AS PPM	NA	2.	NA-BASIC	LU PPM	ICPMS	.05	ICPMS-17
AS PPM	ICP	3.	ICP-70	W PPM	NA	2.	NA-BASIC
WRMIN PPM	XRF-F	2.	XRF-102	W PPM	ICP	10.	ICP-70
SR PPM	ICP	.5	ICP-70	PB PPM	ICP	2.	ICP-70
Y PPM	ICPMS	1.	ICPMS-17	BI PPM	ICP	5.	ICP-70
Y PPM	ICP	.1	ICP-70	TH PPM	ICPMS	.1	ICPMS-17
ZR PPM	ICP	.5	ICP-70	U PPM	ICPMS	.1	ICPMS-17
MO PPM	ICP	1.	ICP-70				

*** UNLESS INSTRUCTED OTHERWISE WE WILL DISCARD PULPS IN 90 DAYS ***
AND REJECTS IN 30 DAYS FROM THE DATE OF THIS REPORT

E 30-MAY-96

CERTIFIED BY


Dr. Hugh de Souza, General Manager

XRAL

30-MAY-96

REPORT 6903

WORKORDER 8364-

SAMPLE	AU PPB	BE PPM	CO2 %	NA %	MG %	AL %	P %	K %
	MA	ICP	COULOM	ICP	ICP	ICP	ICP	ICP
	MA-BASIC	ICP-70	110-4	ICP-70	ICP-70	ICP-70	ICP-70	ICP-70
21109	14	<.5	19.8	.06	4.03	1.28	.01	.01
21110	<5	<.5	12.5	.06	2.75	1.32	.02	.05
21111	13	<.5	11.9	.07	2.36	.70	.02	.02
21112	<5	<.5	12.8	.03	3.61	2.50	.01	<.01
21113	11	<.5	15.9	.05	3.41	1.39	.01	.01
21114	9	<.5	20.3	.04	3.44	1.31	.01	.02
21115	<5	<.5	6.59	.04	.19	.28	.02	.05
21116	<5	<.5	4.62	.04	2.34	2.92	.02	.08
E-1	9	1.9	6.09	.02	4.92	3.08	.28	.01
D 21109	--	<.5	--	.06	3.99	1.28	.01	.01
D E-1	--	--	--	--	--	--	--	--

D - QUALITY CONTROL DUPLICATE

XRAL

30-MAY-96

REPORT 6903

WORKORDER 8364-

SAMPLE	CA %	SC PPM	TI %	V PPM	CR PPM	MM PPM	FE %	CO PPM
	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
	ICP-70	ICP-70	ICP-70	ICP-70	ICP-70	ICP-70	ICP-70	ICP-70
21109	8.88	23.3	<.01	52	62	2200	7.80	54
21110	5.71	11.4	<.01	37	72	2050	4.98	38
21111	5.44	14.1	<.01	33	61	1610	4.24	46
21112	6.51	20.4	<.01	129	1480	2150	7.00	87
21113	7.19	18.7	<.01	52	83	2060	7.39	57
21114	10.2	14.0	<.01	61	737	2770	7.47	81
21115	5.86	3.3	<.01	5	78	652	.51	6
21116	4.20	10.6	<.01	64	100	646	4.35	47
E-1	6.28	2.5	.18	96	698	1000	7.14	43
D 21109	8.82	23.2	<.01	52	63	2180	7.74	53
D E-1	--	--	--	--	--	--	--	--

D - QUALITY CONTROL DUPLICATE

XRAL

30-MAY-96

REPORT 6903

WORKORDER 8364-

SAMPLE	NI PPM	CU PPM	ZN PPM	AS PPM	AS PPM	SR PPM	Y PPM	Y PPM
	ICP	ICP	ICP	MA	ICP	ICP	ICPMS	ICP
	ICP-70	ICP-70	ICP-70	MA-BASIC	ICP-70	ICP-70	ICPMS-17	ICP-70
21109	166	142	116	9	<3	79.5	--	1.7
21110	127	62.8	155	25	<3	48.8	--	1.3
21111	195	77.8	39.1	34	10	39.4	--	1.5
21112	672	62.2	66.9	94	64	26.8	--	1.9
21113	222	200	210	7	<3	48.9	--	1.1
21114	864	138	71.0	96	61	63.4	--	2.9
21115	32	4.0	15.7	28	22	46.2	--	7.6
21116	164	41.9	101	60	34	38.6	--	4.9
E-1	345	107	134	2	<3	206	26	6.4
D 21109	164	139	117	--	<3	78.7	--	1.6
D E-1	--	--	--	--	--	--	32	--

D - QUALITY CONTROL DUPLICATE

XRAL

30-MAY-96

REPORT 6903

WORKORDER 8364-

SAMPLE	ZR PPM	MO PPM	AG PPM	CD PPM	SM PPM	SB PPM	SB PPM	BA PPM
	ICP	ICP	ICP	ICP	ICP	MA	ICP	ICP
	ICP-70	ICP-70	ICP-70	ICP-70	ICP-70	MA-BASIC	ICP-70	ICP-70
21109	<.5	2	.4	<1	<10	<.5	<5	5
21110	<.5	<1	.2	<1	<10	<.5	<5	15
21111	<.5	<1	<.2	<1	<10	<.5	<5	6
21112	<.5	<1	<.2	<1	<10	<.5	<5	1
21113	<.5	<1	.3	<1	<10	<.5	<5	2
21114	<.5	<1	.2	<1	<10	<.5	<5	6
21115	.7	<1	<.2	<1	<10	<.5	<5	16
21116	1.3	<1	<.2	<1	<10	<.5	<5	33
E-1	30.1	<1	<.2	<1	<10	<.5	5	34
D 21109	<.5	<1	.4	<1	<10	--	<5	4
D E-1	--	--	--	--	--	--	--	--

D - QUALITY CONTROL DUPLICATE

XRAL

30-MAY-96

REPORT 6903

WORKORDER 8364-

SAMPLE	LA PPM	LA PPM	CE PPM	PR PPM	ND PPM	SM PPM	EU PPM
	ICPMS	ICP	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS
	ICPMS-17	ICP-70	ICPMS-17	ICPMS-17	ICPMS-17	ICPMS-17	ICPMS-17
21109	--	1.6	--	--	--	--	--
21110	--	1.0	--	--	--	--	--
21111	--	.9	--	--	--	--	--
21112	--	1.0	--	--	--	--	--
21113	--	1.4	--	--	--	--	--
21114	--	1.9	--	--	--	--	--
21115	--	2.3	--	--	--	--	--
21116	--	2.0	--	--	--	--	--
E-1	39.0	19.4	105	13.8	55.3	12.9	2.76
D 21109	--	1.8	--	--	--	--	--
D E-1	43.3	--	115	15.0	59.5	13.5	3.00

D - QUALITY CONTROL DUPLICATE

XRAL

30-MAY-96

REPORT 6903

WORKORDER 8364-

SAMPLE	GD PPM	TB PPM	DY PPM	HO PPM	ER PPM	TM PPM	YB PPM
	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS	ICPMS
	ICPMS-17	ICPMS-17	ICPMS-17	ICPMS-17	ICPMS-17	ICPMS-17	ICPMS-17
21109	--	--	--	--	--	--	--
21110	--	--	--	--	--	--	--
21111	--	--	--	--	--	--	--
21112	--	--	--	--	--	--	--
21113	--	--	--	--	--	--	--
21114	--	--	--	--	--	--	--
21115	--	--	--	--	--	--	--
21116	--	--	--	--	--	--	--
E-1	9.6	1.2	6.4	.99	2.4	.3	1.5
D 21109	--	--	--	--	--	--	--
D E-1	10.0	1.2	6.2	.99	2.3	.3	1.5

D - QUALITY CONTROL DUPLICATE.

XRAL

30-MAY-96

REPORT 6903

WORKORDER 8364-

SAMPLE	LU PPM	W PPM	W PPM	PB PPM	BI PPM	TH PPM	U PPM
	ICPMS	MA	ICP	ICP	ICP	ICPMS	ICPMS
	ICPMS-17	MA-BASIC	ICP-70	ICP-70	ICP-70	ICPMS-17	ICPMS-17
21109	--	3	<10	4	<5	--	--
21110	--	<2	<10	<2	<5	--	--
21111	--	5	<10	<2	<5	--	--
21112	--	<2	<10	<2	<5	--	--
21113	--	3	<10	2	<5	--	--
21114	--	7	<10	3	<5	--	--
21115	--	2	<10	4	<5	--	--
21116	--	3	<10	3	<5	--	--
E-1	.20	3	<10	<2	<5	10.0	2.1
D 21109	--	--	<10	3	<5	--	--
D E-1	.19	--	--	--	--	9.6	2.0

D - QUALITY CONTROL DUPLICATE

XRAL

XRF - WHOLE ROCK ANALYSIS

30-MAY-96

REPORT 6903

WORKORDER 8364

SAMPLE \ %	SiO2	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	MNO	TiO2	P2O5	CR2O3	LOI	SUM
21109	27.4	14.9	14.0	7.40	2.38	.22	14.6	.36	.426	.03	.03	18.5	100.3
21110	44.0	15.6	8.84	5.05	1.94	1.17	9.07	.31	.419	.03	.05	13.7	100.3
21111	45.6	16.2	8.36	4.23	4.96	.36	7.33	.23	.421	.03	.03	11.5	99.3
21112	46.0	9.28	9.71	6.84	.61	.07	12.5	.33	.522	.02	.34	14.3	100.5
21113	37.4	13.4	11.3	6.22	2.32	.18	13.2	.32	.344	.03	.03	14.2	99.0
21114	33.2	9.45	15.7	6.15	1.06	.45	13.3	.45	.471	.03	.35	19.8	100.5
21115	67.2	10.7	8.93	.43	3.83	.90	.95	.09	.161	.04	.03	6.85	100.2
21116	48.3	18.1	6.10	5.35	2.32	1.71	8.74	.09	.468	.04	.04	8.05	99.4
E-1	30.5	8.26	14.8	12.8	.15	.05	16.0	.26	5.18	.66	.14	10.6	99.5

*** XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED. FOR SUMMATION, ELEMENTS ARE CALCULATED AS OXIDES ***

SAMPLE \ PPM	RB	SR	Y	ZR	MB	BA
21109	10	252	18	25	6	183
21110	27	198	18	47	6	391
21111	13	158	21	32	5	190
21112	8	82	11	33	4	39
21113	7	217	18	33	3	107
21114	13	150	6	19	6	194
21115	24	98	19	25	5	336
21116	42	99	9	39	4	726
E-1	<2	235	25	238	107	247

D - QUALITY CONTROL DUPLICATE

Report of Work Conducted After Recording Claim
Mining Act

Transaction Number
W9660.00412

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Toronto, Ontario, P3E 6A5, telephone (705) 870-7264.

2.16720

- Instructions:
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for Recorder.
 - A separate copy of this form must be completed.
 - Technical reports and maps must accompany.
 - A sketch, showing the claims the work is as



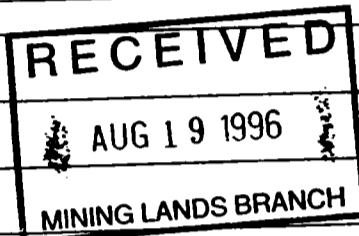
42A11SW0138 2 16720 MOUNTJOY

900

Recorded Holder(s) COMSTATE Resources Ltd	Client No. 120065
Address #901-1015 4th St. S.W. CALGARY	Telephone No. 403-265-6973
Mining Division Porcupine	M or G Plan No. G-3974
Township/Area MOUNTJOY	
Work performed From: MAY 10/96	To: JUNE 14/96

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	GEOCHEMICAL
Physical Work, Including Drilling	
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	



Total Assessment Work Claimed on the Attached Statement of Costs \$ **1300 =**

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
DALE R. PYKE	31 DELAIR Cres Thornhill Ont L3T 2M3

(Attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date	Recorded Holder or Agent (Signature)
	June 14/96	D R Pyke

Certification of Work Report

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

Name and Address of Person Certifying

DALE R. Pyke	Certified By (Signature)
DALE R. Pyke	D R Pyke
Telephone No. 705-731-1913	Date June 14/96

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder No. 047612	Received JUN 14 1996
		Sony White	
	Deemed Approval Date SEPT. 12/96	Date Approved	12:05
	Date Notice for Amendments Sent		PORCUPINE MINING DIVISION

Report Number for Mining Reserve	Claim Number (see Note 2)	Number of Claim Units
104109 → PATENTED CLAIM N/2 LOT 8, C-11		1/2 LOT
	P568931	1
	P568934	1
Total Number of Claims		2

Value of Assessment Work Done on this Claim	Value Applied to this Claim	
1300	0	
0	712	
0	528	
Total Value Work Done		1300
Total Value Work Applied		1300

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Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date	
1300		
Total Assigned From		1300
Total Reserve		

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working 'ackwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix. *cut back from P568931*

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature <i>A R Pike</i>	Date <i>June 14/96</i>
---	------------------------------	---------------------------

2127

Information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit	Total Cost
Sampling core, DATA REGULATION, Report prep	2 DAYS	\$ 300 =	\$ 600 =
Chemical Analyses	8 Samples	\$ 87.52	\$ 700.20
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
Total Value of Assessment Work			1300.20

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Calculations of Filing Discounts:

Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work. Work filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK $\times 0.50 =$ Total \$ value of worked claimed.

Work older than 5 years is not eligible for credit. The recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the recorder may reject all or part of the assessment work submitted.

Verification of costs:

DALE Pyke (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as AGENT (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature: DALE Pyke Date: June 14 1996

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

August 27, 1996

Our File: 2.16720
Transaction #: W9660.00412

Mining Recorder
Ministry of Northern Development & Mines
60 Wilson Avenue, 1st Floor
Timmins, Ontario
P4N 2S7

Dear Mr. White:

**SUBJECT: APPROVAL OF ASSESSMENT WORK CREDIT ON MINING LAND, CLAIM(S)
N1/2 LOT 8, CON IV IN MOUNTJOY TOWNSHIP**

Assessment work credit has been approved as outlined on the Declaration of Assessment Work Form accompanying this submission. The credit has been approved under Section 17, Assay, of the Assessment Work Regulation.

The approval date is August 27, 1996. Please indicate this approval on the claim record.

If you have any questions regarding this correspondence, please contact Steven Beneteau at (705) 670-5855.

Yours sincerely,
ORIGINAL SIGNED BY:

pe ih

hw Ron C. Gashinski
Senior Manager, Mining Lands Section
Mines and Minerals Division

SBB SBB/jf

cc: Resident Geologist
Timmins, Ontario

✓ Assessment Files Library
Sudbury, Ontario

MAP SYMBOLOLOGY

Aerial Cableway	Pipeline (above ground)
Boundary	Railroad
International	Single Track
Interprovincial	Double Track
District, Township	Abandoned
Indian Reserve	Artificial
Approach	Road
Lot, Concession	Highway, County
Park Boundary	Township
Approximate	Access (road of doubtful
Bridge	existence or
Road, Railroad	width)
Building	Trail, Bush Road
Chimney	(average size)
Cliff, Pit, Pile	Rapids
Contours	Double line river
Interpretation	with multiple rapids
Approximate	Reservoir
Depression	River, Stream, Canal
Control Points	Approximate
Horizontal	Location of File
Vertical	Scale
Vertical	Vertical
Culvert	Spot Elevation
Falls	(line elevation)
Double line river	Tower
Feature Outline	Transmission Line
(Construction features, etc.)	Poles
Flooded Land	Tunnel
Lock	Utility Poles
Marsh or Swamp	Wharf, Dock, Pier
Moat	Wooded Area
Mine Head Frame	
Outcrop	

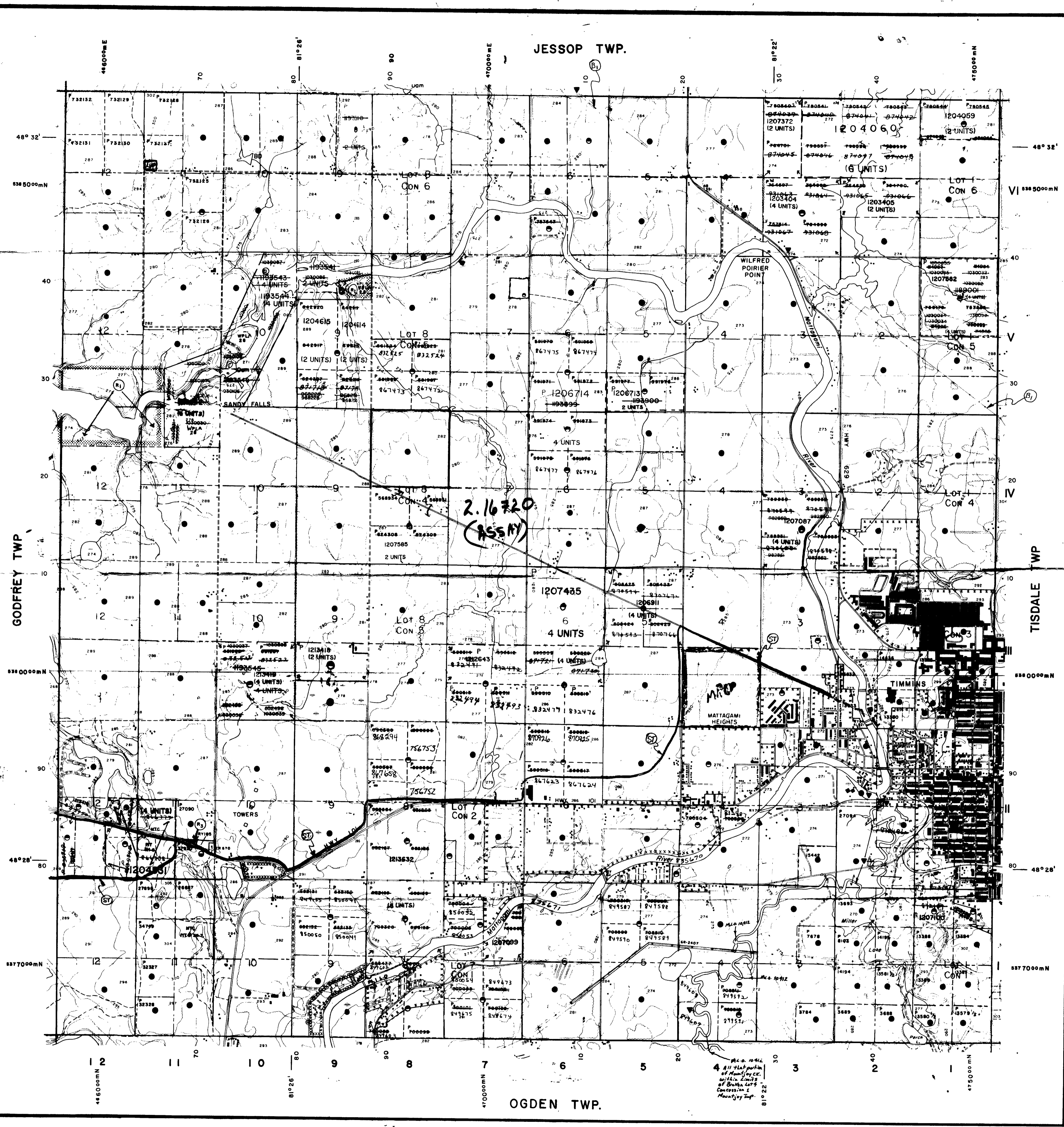
AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY
 S.R.O. - SURFACE RIGHTS ONLY
 M.+S. - MINING AND SURFACE RIGHTS

Description	Date	Disposition	File
(N)		RESERVED FOR RECREATIONAL PURPOSES UNDER P.L.A. FILE 188543	
(M)		APPLICATION UNDER P.L.A.	
(S)		BONA FIDE APPLICATION	

P 119343 PLOTTED IN ERROR

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



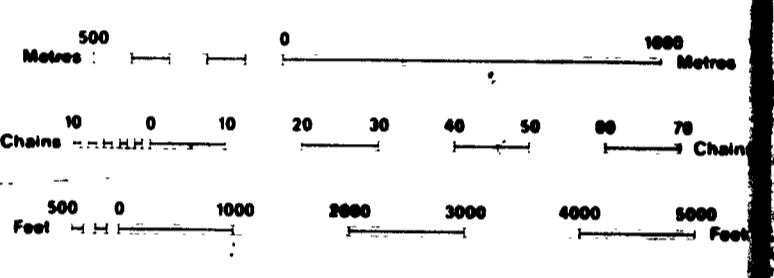
LEGEND

HIGHWAY AND ROUTE No.	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIPS, BASE LINES, ETC.	
LOTS, MINING CLAIMS, PARCELS, ETC.	
UNSURVEYED LINES	
LOT LINES	
PARCEL BOUNDARY	
MINING CLAIMS ETC.	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON PERENNIAL STREAM	
FLOODING OR FLOODING PRONE	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKEG	
MINES	
TRAVERSE MONUMENT	

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	◑
" SURFACE RIGHTS ONLY	◒
" MINING RIGHTS ONLY	◓
LICENCE OF OCCUPATION	○
ORDER IN COUNCIL	OC
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	○

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 300, SEC. 63, SUBSEC. 1.



SCALE 1:20 000
 GRID ZONE 17

- REGISTERED PLAN OF SUBDIVISION
- (B) - ONTARIO HYDRO LAND USE PERMIT
- (ST) - PROPOSED SNOW MOBILE TRAIL NOTICE REC'D. 93-MAY-20

TOWNSHIP
MOUNT JOY
 M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
 MINING DIVISION
PORCUPINE
 LAND TITLES / REGISTRY DIVISION
COCHRANE



ORIGINAL COMPILATION JULY 1984
 REVISION
 Number
G-3974

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