

FILMED

LOG NO:	FEB 14 1994	RD.
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**DIAMOND DRILL REPORT**  
**ON THE**  
**BABS CLAIM GROUP**  
**LOCATED IN THE OMINECA MINING DIVISION**  
**N.T.S.: 93L/16E & 93K/13W**  
**LATITUDE: 54° 51' N**  
**LONGITUDE: 126° 00' W**

**BY: R. KEMP**  
**NORANDA EXPLORATION COMPANY, LIMITED**  
**(No Personal Liability)**

**FEBRUARY, 1994**  
**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**

23,261

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## 1.0 LOCATION AND ACCESS

The Babs property is comprised of 19 mineral claims totalling 264 units located in the Omineca Mining Division on N.T.S. Map Sheet 93L/16E and 93K/13W. The property is located approximately 65 km northeast of Houston, in the Nechako Plateau physiographic region of west-central B.C. centred at 54° 51' North latitude and 126° 00' West longitude (Figure 1).

Access to the property is by well-maintained, paved road access north from the community of Topley, 30 km east of Houston on Highway 16, to the community of Michelle Bay on the west shore of Babine Lake. Barge service is available weekdays to Nose Bay located on the East shore of Babine Lake. From Nose Bay, well maintained logging road access to the property is provided by following the Nose Bay road to its junction with Pats road at Kilometer 6, approximately 3 km south along Pats road is the centre of the Babs property.

## 2.0 TOPOGRAPHY AND PHYSIOGRAPHY

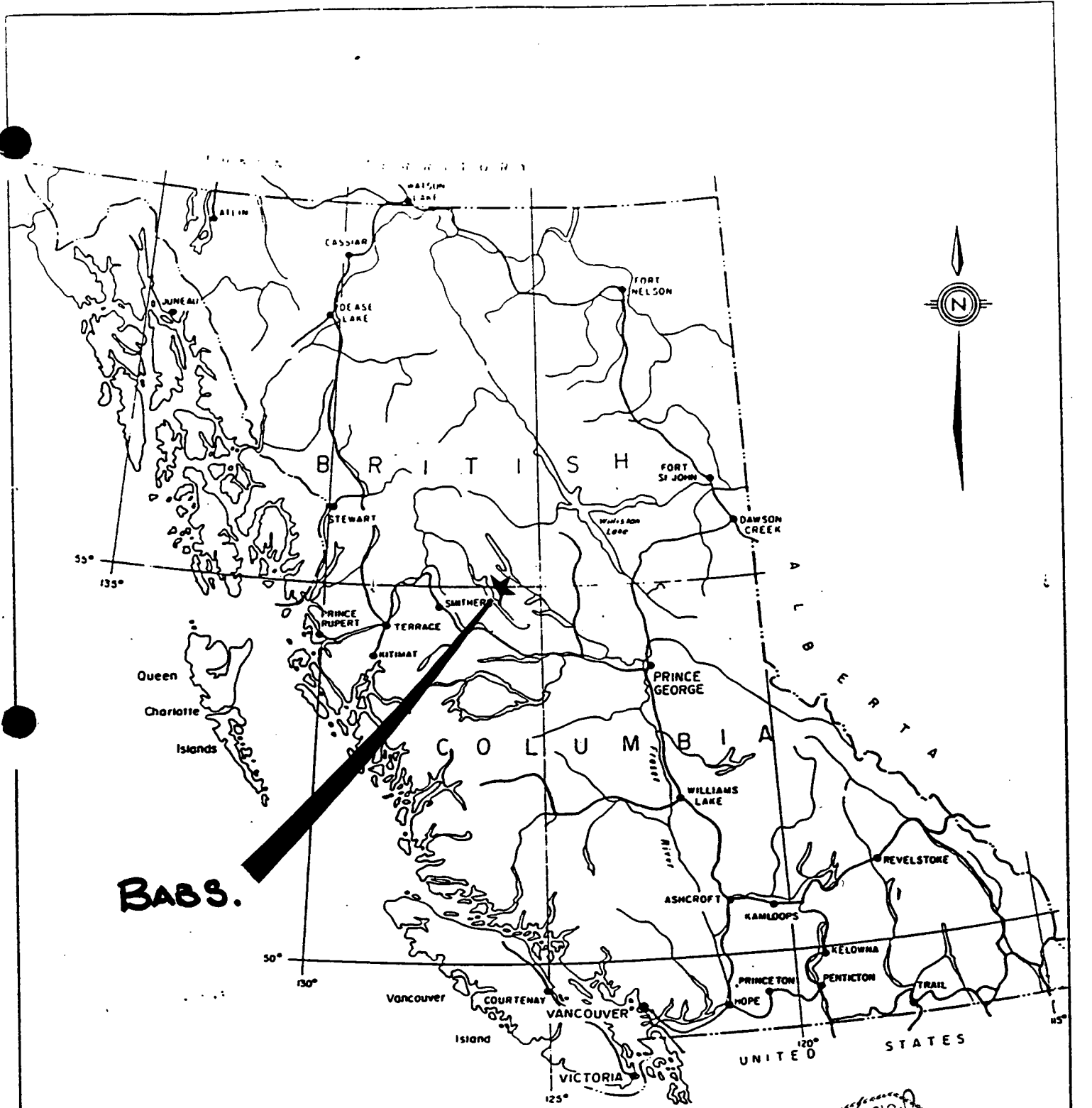
The Babs claim group covers gently rolling forested and clear cut terrain with elevations ranging from 712 m in the southwest to 1189 m to the northeast.

Outcrop is poorly exposed and masked by glacial till with best exposures along steep sided stream banks and ridge tops. Standing timber is dominated by mature spruce and some pine.

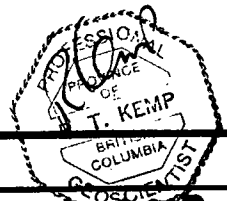
## 3.0 PREVIOUS WORK

In 1991 a float train of large angular biotite feldspar porphyry boulders was discovered by prospector, Ralph Keefe, hosting chalcopyrite mineralization grading up to 0.9% Cu, 1.3 gm Au. The staking of 11 mineral claims late in 1991 covered the boulder train and surrounding ground which was subsequently optioned to Equity Silver Mines Limited in early 1992.

In 1992 Equity Silver Mines emplaced a grid over the boulder train and immediate area completing soil geochemical, magnetic, induced polarization surveys and geological mapping. Approximately 25 test pits were excavated of which two were reported to have reached bedrock. Between November 3, 1992 and November 7, 1992, 7 NQ diamond drill holes were completed to the east, west and south of the mineralized boulder train totalling 322 meters.



**BABS.**



REVISED	
	<b>LOCATION MAP</b>
	<b>BABS CLAIMS</b>
PROJ. No. _____	SURVEY BY: _____ DATE: <u>Feb 94</u>
N.T.S. _____	DRAWN BY: _____ SCALE: _____
DWG. No. <u>1</u>	<b>NORANDA EXPLORATION</b> OFFICE: <u>VANCOUVER</u>

#### 4.0 OWNER-OPERATOR

The Babs 1-9 claims are currently held under option in the name of Noranda Exploration Company, Limited (No Personal Liability) and Noranda is the operator of the property (Figure 2).

The following is a list of claims comprising the Babs claim group.

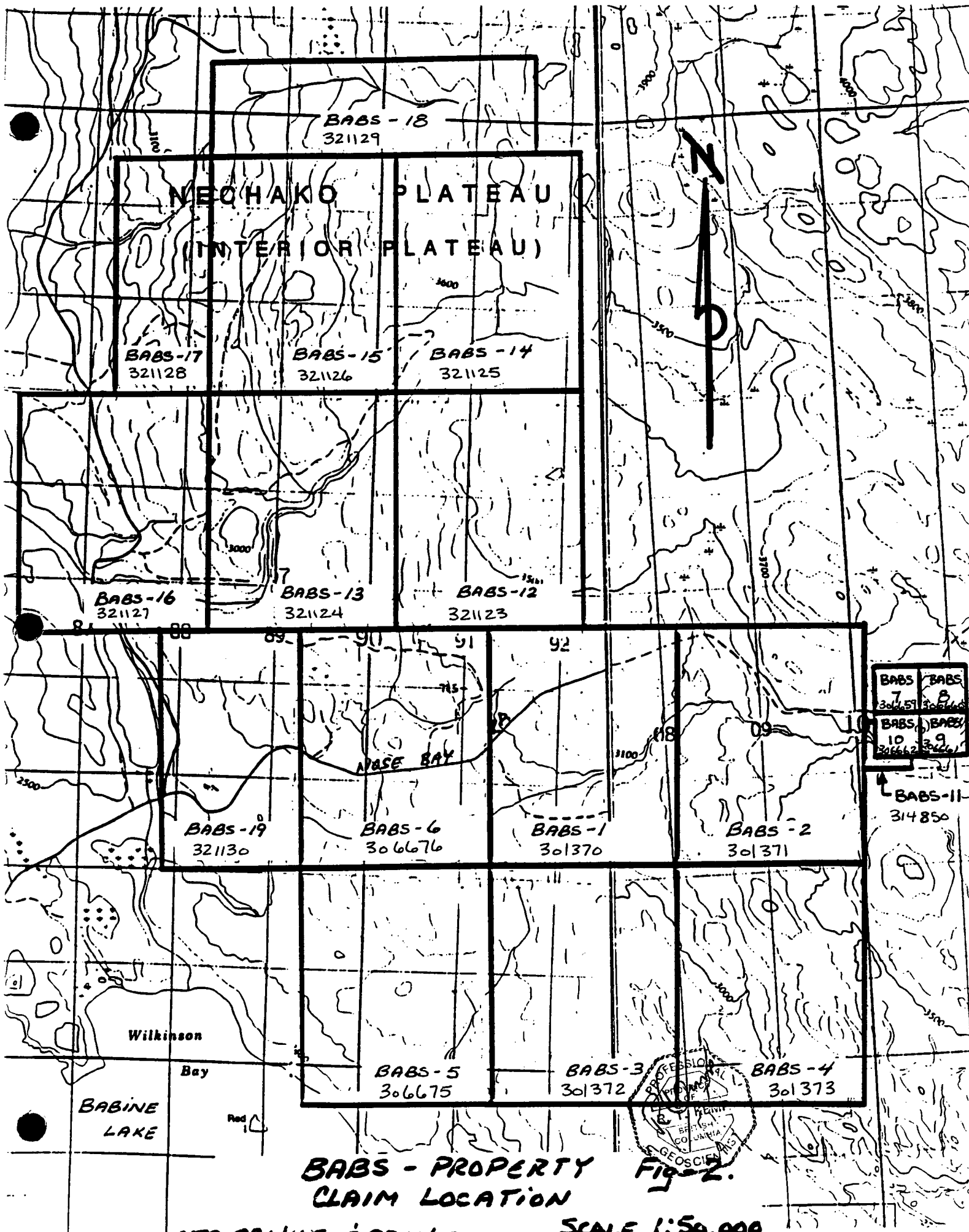
<u>CLAIM NAME</u>	<u>UNITS</u>	<u>RECORD NUMBER</u>	<u>EXPIRY DATE</u>
BABS-1	20	0301370	JUNE 26, 1996*
BABS-2	20	0301371	JUNE 26, 1995
BABS-3	20	0301372	JUNE 26, 1995
BABS-4	20	0301373	JUNE 26, 1995
BABS-5	20	0306675	NOVEMBER 27, 1995
BABS-6	20	0306676	NOVEMBER 26, 1995
BABS-7	1	0306659	DECEMBER 4, 1996*
BABS-8	1	0306660	DECEMBER 4, 1996*
BABS-9	1	0306661	DECEMBER 4, 1996*
BABS-10	1	0306662	DECEMBER 4, 1996*
BABS-11	1	0314850	NOVEMBER 25, 1995*
BABS-12	20	0321123	SEPTEMBER 20, 1995*
BABS-13	20	0321124	SEPTEMBER 20, 1995*
BABS-14	20	0321125	SEPTEMBER 20, 1995*
BABS-15	20	0321126	SEPTEMBER 20, 1995*
BABS-16	20	0321127	SEPTEMBER 21, 1995*
BABS-17	10	0321128	SEPTEMBER 21, 1995*
BABS-18	14	0321129	SEPTEMBER 19, 1995*
BABS-19	15	0321130	SEPTEMBER 23, 1995*

\* Pending acceptance of this report

#### 5.0 PROGRAM OBJECTIVES

Between the period of December 8 to December 16, 1993 Noranda Exploration and Britton Bros. Diamond Drilling of Smithers, B.C., completed a two-hole NQ drill program totalling 200.6 m.

Drill hole NB93-8 was designed to evaluate a zone of high chargeability/low magnetic response as defined by Equity Silver's 1992 field program in an area of anomalous copper soil geochemistry and centered at the southern limit of the mineralized B.F.P. float train. Based on the presence of visible chalcopyrite in the upper portion of NB93-8 a second drill hole was spotted 146 m to the northwest located central to the mineralized BFP float train.



**BABS - PROPERTY CLAIM LOCATION** **Fig. 2.**

**NTS 93L/16E & 93K/13W**

**SCALE 1:50,000**

Collar co-ordinate details are provided in Table 1. A plan map illustrating 1992-1993 drill collar locations, drill road access and distribution of copper-bearing float are compiled on Figure 3 with a drill hole cross-section provided on Figure 4. Drill logs are provided under Appendix I with assay results and sample descriptions attached under Appendix II.

**TABLE 1**

HOLE NO.	LOCATION		AZIMUTH	ANGLE	END OF HOLE	DATE COLLARED	DATE COMPLETED
	NORTHING	EASTING					
NB93-08	0+12N	L8+00W	0°	-45°	100.3 m	12/09/93	12/11/93
NB93-09	1+50N	L8+86W	-	-90°	100.3 m	12/11/93	12/12/93

**6.0 RESULTS AND CONCLUSIONS**

Drill hole NB93-08 intersected steeply south dipping, phyllic altered ash and lapilli tuff, rhyolite/feldspar porphyry and mafic (andesitic) intrusive dykes. Geochemical analysis returned anomalous and elevated Cu-Ag results over the upper 39.0 m with best results from 9.0 m to 19.4 m reporting 0.21% Cu.

Drill hole NB93-09 intersected similar stratigraphy to NB93-08, the alteration is less intense in the form of argillic to weak phyllic alteration hosting <1% pyrite. Geochemical analysis returned locally anomalous results to 442 ppm Cu and elevated Au to 30 ppb from 71.3 m to 91.0 m.

The source of the biotite feldspar porphyry boulder float has not been located and therefore further work is required in the up-ice direction to the northwest. A program of soil geochemical magnetic and induced polarization surveys coupled with geological mapping/prospecting is recommended. Elevated and anomalous geochemical copper results returned from NB93-08 remains open and requires further drill testing to determine its extent.

CORE STORED AT BELL MINE SITE

**APPENDIX I**

**DIAMOND DRILL LOGS**

**NB93-08**

**NB93-09**



HOLE NUMBER: NB93-8  
PROPERTY: BABS

Collar Co-ordinates: 0+12N, L8+00W  
Date Started: December 10, 1993  
Date Completed: December 12, 1993  
Azimuth: 0° North  
Dip: -45°  
Length of Hole: 100.3 m  
Geologist: R. Kemp

FROM	TO	DESCRIPTION
0.0	9.1	CASING/OVERBURDEN
9.1	13.3	QUARTZ EYE TUFF Apple green color due to pervasive sericite alteration (Argillic). Banding at 10.3 m + 45° to core axis. Quartz grains ~1 cm with affinity for hosting small grains of chalcopyrite(?) nucleated in centre. Chalcopyrite also occurs as small discrete grains/blebs or intermixed with pyrite - disseminated through matrix. Pyrite, pyrrhotite <1%, chalcopyrite ≤0.5%. Iron stain along fractures.
13.3	13.8	LAPILLI TUFF Polymictic angular to sub-angular fragments to 10 cm altered to white clay with darker aphanitic green clasts (devitrified volcanic glass?). Small isolated grains of chalcopyrite as noted above 9.1 - 13.3 m to ≤0.5% chalcopyrite, pyrite <1% disseminated sericite altered.
13.8	16.8	QUARTZ EYE TUFF Same as 9.1 - 13.3, sericite altered with chalcopyrite ≤0.5% disseminations as in 9.1 - 13.3, pyrite-pyrrhotite <0.5% disseminations. Contact at 13.8 m = 50° to core axis.
16.8	22.6	QUARTZ EYE TUFF/LAPILLI TUFF Intermixed zone - apple green color due to sericite alteration with iron stain along fractures. Chalcopyrite ≤0.5% disseminated pyrite-pyrrhotite 0.5%. Contact at 16.8 m = 55° to core axis. Foliated tuff at 22.3 m = 44° to core axis. Lapilli polymictic to 10 cm.
22.6	24.2	LAPILLI TUFF Polymictic angular to sub-angular with fine grained green strands (devitrified volcanic glass?). Chalcopyrite ≤0.5% disseminated pyrite-pyrrhotite <0.5%.

24.2	32.0	RHYOLITE/FELDSPAR PORPHYRY Fine grained, green (sericite altered). Small white phenocrysts faintly noted. Trace chalcopyrite disseminations. Pyrite-pyrrhotite <0.5% disseminated and fracture controlled.
32.0	35.7	LAPILLI TUFF Polymictic angular frags to sub-angular. Trace pyrite, pyrrhotite. At 52.0 m = 46° to core axis.
35.7	65.2	RHYOLITE/FELDSPAR PORPHYRY Sericite altered. Ghost-like, faint, white phenocrysts. Pyrite/pyrrhotite 0.5% disseminated and fracture controlled. Trace chalcopyrite mixed with pyrite in fractures. Fracture controlled sulphides at 53.5 m with possible arsenopyrite + pyrite + trace chalcopyrite.
65.2	73.3	LAPILLI TUFF Sericite altered polymictic fragments angular to sub-angular. Trace pyrite/pyrrhotite. Contact at 73.3 m = 53° to core axis.
73.3	80.2	RHYOLITE/FELDSPAR PORPHYRY Same as 35.7-65.2 m. Fracture controlled pyrite, pyrrhotite to <0.5%. Sericite altered.
80.2	82.5	LAPILLI TUFF Same as 65.2 - 73.3 m. Polymictic, sericite altered pyrite 0.5%. At 80.2 m contact at 55° to core axis. At 82.5 m contact at 55° to core axis.
82.5	85.5	MAFIC DYKE/ANDESITE DYKE Chilled contact, rare white phenocrysts. Lower contact at 70° to core axis. Non-magnetic.
85.5	96.1	LAPILLI TUFF/QUARTZ EYE TUFF Intermixed zone, sericite altered, trace disseminated pyrite.
96.1	100.3	RHYOLITE/FELDSPAR PORPHYRY Very fine grained, green, sericite altered with white phenocrysts. Trace of fine pyrite disseminations.
100.3		END OF HOLE

HOLE NUMBER: NB93-9

PROPERTY: BABS

Collar Co-ordinates: 1+50N, 8+86W

Date Started: December 12, 1993

Date Completed: December 12, 1993

Dip: -90°

Length of Hole: 100.3 m

Geologist: R. Kemp

FROM	TO	DESCRIPTION
0.0	6.1	CASING/OVERBURDEN
6.1	40.1	LAPILLI TUFF Polymictic near clast supported fragments angular to sub-angular in shape. Rhyolitic fragments dominant with remaining being tuffaceous and feldspar phyrlic. Fragments up to 12 cm, by 21.0 m sericite alteration comes in invading matrix and fragments. Pyrite-pyrrhotite disseminated to fracture controlled 1-2%.
40.1	82.1	RHYOLITE/FELDSPAR PORPHYRY Upper contact at 40.1 m @ 15° to core axis. 40.1-59.1 Rhyolite/Feldspar Porphyry White phenocrysts set in fine grained matrix - grey-green color due to sericite. Pyrite-pyrrhotite to 2% fracture controlled. 59.1-82.1 Brecciated Rhyolite/Feldspar Porphyry Pyrite, pyrrhotite. Fracture controlled to 2.5%. Sericite alteration.
82.1	83.8	LAPILLI TUFF Polymictic angular fragments to 3 cm - sericite altered. Pyrite/pyrrhotite 1% finely disseminated to fracture controlled.
83.8	86.9	RHYOLITE/FELDSPAR PORPHYRY Sericite altered. 1.5 to 2% pyrite/pyrrhotite, fracture controlled.
86.9	99.1	ASH/LAPILLI TUFF Swirled/contorted with sericite invading matrix. Trace to 0.5% disseminated pyrite.
99.1	100.3	MAFIC/ANDESITE DYKE Moderately magnetic, dark green color with white phenocrysts - chilled upper contact at 50° to core axis.
100.3		END OF HOLE

**APPENDIX II**  
**GEOCHEMICAL RESULTS**  
**AND**  
**SAMPLE DESCRIPTIONS**

# NORANDA DELTA LABORATORY

## Geochemical Analysis

**Project Name & No.:** BABS - 178

**Material:** 83 Cores

**Remarks:** • Sample screened @ -35 MESH (0.5 mm)

□ Organic, Δ Humus, S Sulfide

**Geol.:** R.K.

**Sheet:** 1 of 3

**Date received:** DEC. 20

**Date completed:** JAN. 13

**LAB CODE:** 9312-018

Au - 10.0 g sample digested with aqua-regia and determined by A.A. (D.L. 5 PPB)

ICP - 0.2 g sample digested with 3 ml HClO<sub>4</sub>/HNO<sub>3</sub> (4:1) at 203 °C for 4 hours diluted to 10 ml with water. Leeman PS3000 ICP determined elemental contents.

N.B. The major oxide elements and Ba, Be, Ce, La, Li, Ga are rarely dissolved completely from geological materials with this acid dissolution method.

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
106	713 - A	5	2.0	2.03	4	29	1.7	5	0.04	1.4	112	1	35	2633	0.98	0.91	51	3	0.06	336	4	0.02	1	0.02	5	3	0.03	5	85
107	B	5	2.0	1.89	2	23	1.8	5	0.04	1.0	64	2	28	2215	0.97	0.86	32	3	0.06	398	4	0.02	1	0.01	2	4	0.02	4	87
108	C	5	2.0	1.96	2	21	1.5	5	0.05	0.5	56	1	34	1975	1.36	0.78	28	4	0.08	916	3	0.02	1	0.02	4	4	0.02	5	115
109	D	5	2.8	1.89	2	27	1.6	5	0.05	1.4	72	1	34	2018	1.10	0.88	36	4	0.06	561	5	0.01	1	0.02	2	4	0.02	3	110
110	E	5	1.2	2.47	2	27	2.0	5	0.07	0.6	53	2	27	1146	1.61	0.95	25	5	0.10	1051	3	0.02	1	0.02	4	4	0.02	7	144
111	F	5	4.0	1.79	3	27	1.4	5	0.06	0.8	68	4	51	2086	1.26	0.76	31	4	0.08	562	4	0.03	2	0.02	5	6	0.02	6	112
112	G	5	1.6	1.92	2	20	1.3	5	0.04	0.9	66	3	45	1467	0.84	0.85	31	3	0.06	364	6	0.03	1	0.02	4	4	0.02	2	108
113	H	5	3.6	1.67	2	19	1.1	5	0.03	0.9	61	2	46	1332	0.73	0.80	27	2	0.05	314	4	0.02	1	0.01	4	4	0.02	2	122
114	I	5	0.8	2.94	572	29	1.7	5	0.08	1.2	50	2	24	217	1.51	1.16	24	5	0.12	909	3	0.03	1	0.02	5	6	0.03	5	221
115	J	5	1.2	2.42	30	30	2.7	5	0.04	0.5	125	2	34	1339	1.08	1.08	54	4	0.07	290	5	0.02	1	0.02	10	5	0.03	4	89
116	K	5	2.0	1.95	23	24	1.6	5	0.03	1.4	115	3	36	1250	0.92	0.93	55	3	0.06	397	3	0.02	1	0.01	2	5	0.02	2	117
117	L	5	4.0	2.48	205	28	1.8	5	0.04	1.6	92	3	42	1240	1.56	1.13	46	3	0.08	649	4	0.02	1	0.02	5	6	0.02	4	137
118	M	5	2.0	1.99	138	18	1.3	5	0.04	0.6	68	4	41	769	1.21	0.90	31	3	0.06	400	4	0.03	1	0.02	4	6	0.02	2	124
119	N	5	0.8	2.12	98	18	1.4	5	0.03	1.3	110	3	35	105	1.06	0.92	50	3	0.06	386	3	0.03	1	0.02	6	20	0.02	3	161
120	O	5	5.6	2.83	368	35	1.7	5	0.04	1.4	64	2	36	976	1.27	1.18	32	4	0.09	420	4	0.03	1	0.02	4	35	0.02	5	110
121	P	5	6.0	3.24	13	45	1.8	5	0.09	1.4	43	3	29	1386	1.47	1.32	20	6	0.13	801	7	0.03	3	0.02	9	25	0.04	9	97
122	Q	5	6.4	3.16	42	38	1.7	5	0.12	1.3	81	2	31	1561	1.60	1.36	38	4	0.11	647	5	0.03	1	0.02	11	16	0.03	7	151
123	R	5	6.0	2.20	198	22	1.2	5	0.07	1.3	67	3	38	1075	0.94	1.08	32	2	0.06	228	5	0.02	1	0.01	7	12	0.03	2	106
124	S	5	12.0	2.27	210	23	1.3	5	0.05	2.5	87	5	37	2530	1.28	1.11	41	3	0.07	367	5	0.02	1	0.02	8	13	0.03	2	229
125	T	5	0.8	2.06	738	16	1.1	5	0.05	0.8	67	3	45	202	0.85	1.01	31	2	0.06	332	5	0.02	1	0.01	2	7	0.02	1	44
126	U	5	0.8	2.28	59	18	1.3	5	0.06	1.8	77	8	34	275	2.64	1.06	39	3	0.07	479	4	0.03	1	0.02	6	6	0.02	2	196
127	V	5	0.8	2.30	45	23	1.3	5	0.08	0.9	68	2	37	76	1.11	1.18	30	3	0.07	206	7	0.02	1	0.01	2	6	0.03	2	50
128	713 - W	5	0.4	2.94	21	33	1.6	5	0.14	0.7	29	1	25	21	1.07	1.39	12	4	0.09	356	8	0.02	1	0.02	2	7	0.03	4	50
129	714 - A	5	0.4	2.03	56	22	1.3	5	0.12	2.7	52	1	34	44	1.02	0.93	24	4	0.07	293	5	0.03	1	0.01	3	7	0.02	2	224
130	B	5	0.4	2.16	9	23	1.4	5	0.12	2.0	54	2	34	43	1.02	0.95	25	4	0.08	409	4	0.03	1	0.01	5	7	0.02	3	217
131	C	5	0.2	2.04	66	28	1.3	5	0.12	1.6	57	2	43	32	0.73	0.95	28	4	0.09	279	5	0.04	2	0.02	9	9	0.02	8	157
132	D	5	0.2	2.89	2298	23	1.5	5	0.06	4.6	57	2	32	74	1.02	1.42	28	4	0.09	330	6	0.02	1	0.02	36	7	0.03	5	443
133	E	5	0.2	3.55	214	35	1.9	5	0.16	4.2	72	2	21	58	1.38	1.65	33	5	0.11	398	7	0.02	1	0.02	9	10	0.03	7	456
134	F	5	0.4	3.94	549	35	2.4	5	0.15	3.7	77	2	21	72	2.11	1.78	35	6	0.14	543	7	0.03	1	0.02	7	11	0.03	6	407
135	G	5	0.4	3.38	173	25	1.9	5	0.10	7.4	65	2	26	83	1.26	1.60	29	6	0.11	381	7	0.03	1	0.02	6	8	0.03	5	703
136	H	5	0.2	2.25	8	17	1.4	5	0.10	3.0	61	2	42	65	1.20	1.09	29	4	0.08	267	8	0.04	1	0.02	5	7	0.03	4	318
137	I	5	0.2	2.87	3	22	1.8	5	0.15	4.8	66	1	36	61	1.41	1.37	31	5	0.10	292	7	0.04	1	0.02	7	9	0.03	5	446
138	J	5	0.2	3.30	112	36	1.9	5	0.22	3.1	57	2	26	48	1.20	1.53	24	7	0.15	283	5	0.04	2	0.02	3	12	0.03	9	363
139	K	50	0.2	2.52	634	25	1.6	5	0.16	5.3	49	1	44	77	1.64	1.17	23	5	0.12	331	5	0.04	9	0.02	18	11	0.03	7	537
140	714 - L	5	0.4	3.03	148	25	1.9	5	0.21	4.0	57	1	35	73	1.66	1.40	26	6	0.13	334	6	0.04	1	0.02	12	13	0.03	7	479

1/4, done off  
found



T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm	9312-018 Pg. 3 of 3
188	717 - I	20	0.2	2.96	38	18	1.3	5	0.08	3.0	58	2	28	60	1.47	1.33	26	5	0.10	222	6	0.02	1	0.02	55	17	0.02	4	359	
189	J	10	0.2	2.38	34	23	1.3	5	0.21	2.9	77	2	52	84	1.57	1.12	34	3	0.10	316	7	0.03	1	0.02	31	29	0.02	4	390	
190	717 - K	10	0.2	1.98	7	16	1.2	5	0.36	0.6	70	2	64	68	1.22	0.93	29	2	0.18	238	4	0.04	1	0.02	42	39	0.01	4	113	

LAB \_\_\_\_\_

PROJECT NO. 178 PROPERTY BARB

N.T.S. \_\_\_\_\_

CERT. NO. \_\_\_\_\_

GRID REFERENCE NB93-8

DATE 12/13/93

SAMPLE REPORT

SAMPLE #	DESCRIPTION	TYPE	WIDTH	ASSAYS			CO-ORDINATES	SAMPLER
A	9.1-11.3 <sup>9</sup> 5% Core Recovry, Qtz Eye Tuff? Py, Po, Cpy < 0.5%	Core	2.8					RK
B	11.3-13.3 " " "	"	1.4					}
C	<del>11.3-13.3</del> <sup>13.3-14.8</sup> Qtz Eye Tuff < 0.5% Cpy Py (Po) + LAP Tuff		1.5					
D	14.8-16.8 Qtz Eye Tuff < 0.5% Cpy Py (Po)		2.0					
E	16.8-17.9 LAP Tuff < 0.5% Py Cpy (Po)		1.1					
F	17.9-19.4 LAP Tuff < 0.5% Cpy Py (Po)		1.5					
G	19.4-21.0 Qtz Eye Tuff (LAP) < 0.5% Cpy Py (Po)		1.6					
H	21.0-22.5 Qtz Eye Tuff (LAP) < 0.5% Cpy Py (Po)		1.5					
I	22.5-24.0 LAP Tuff < 0.5% Py (Po)		1.5					
J	24.0-25.5 Qtz Eye Tuff (Rhy) < 0.5% Py (Po)		1.5					
K	25.5-27.0 Qtz Eye Tuff (Rhy) < 0.5% Py (Po)		1.5					
L	27.0-28.5 Qtz Eye Tuff (Rhy) < 0.5% Py (Po) Tr Cpy?		1.5					
M	28.5-30.0 " " " (Rhy) 0.5% Py Po		1.5					
N	30.0-31.5 " " " (Rhy) 0.5% Py Po		1.5					
O	31.5-33.0 " " " / LAP Tuff < 0.5% Py Po		1.5					
P	33.0-34.5 LAP Tuff 0.5% Py Po Tr Cpy?		1.5					
Q	34.5-36.0 " " " 0.5% Py Po < 0.5% Cpy + Qtz Eye Tuff		1.5					
R	36.0-37.5 ( " " ) Qtz Eye Tuff (Rhy) 0.5% Py Po (< 0.5% Cpy in fract)		1.5					
S	37.5-39.0 Qtz Eye Tuff (Rhy) 0.5% Py Po (Tr Cpy)		1.5					
T	39.0-41.0 " " " (Rhy) 0.5% Py Po		2.0					
U	41.0-43.0 " " " (Rhy) 0.5% Py Po to 1% in fract.		2.0					
V	43.0-45.0 " " " (Rhy) 0.5% Py Po		2.0					
W	45.0-47.0 " " " (Rhy) 0.5% Py Po		2.0					



LAB \_\_\_\_\_

PROJECT NO. 178 PROPERTY BARS

N.T.S. \_\_\_\_\_

CERT. NO. \_\_\_\_\_

GRID REFERENCE NB 93-8

DATE \_\_\_\_\_

SAMPLE REPORT

SAMPLE #	DESCRIPTION	TYPE	WIDTH	COMPOSITE ASSAYS		CO-ORDINATES	SAMPLER
				From	To		
A	47.0-49.0 LAP. TUFF. (Qtz, Tuff) 1% Py (Po)	Core	2.0	47.0	51.0		RK
B	49.0-51.0 Qtz, Tuff (Rhy) ± LAP. 5% Py (Po) Fract + diss	}	2.0	51.0	55.0		
C	51.0-53.0 " " " " 15% Py (Po) Fract + diss		2.0				
D	53.0-55.0 " " " " ± LAP. ≤ 1% Py (Po) Fract + diss		2.0				
E	55.0-57.0 " " " " ± LAP. ≤ 1% Py (Po) Fract + diss		2.0				
F	57.0-59.0 " " " " ± LAP. ≤ 1% Py (Po) Fract + diss		2.0				
G	59.0-61.0 " " " / LAP tuff ≤ 1% Py (Po) Fract + Fract		2.0				
H	61.0-63.0 " " " " ≤ 1% Py (Po) " + "		2.0				
I	63.0-65.0 " " " " ≤ 1% Py (Po) " + "		2.0				
J	65.0-67.0 LAP. TUFF ≤ 5% Py (Po) " + "		2.0				
K	67.0-69.0 " " ≤ 1.8% Py diss.		2.0				
L	69.0-71.0 " " ≤ 1.0% Py diss + Fract		2.0				
M	71.0-73.0 " " ≤ 1.0% Py " + "		2.0				
N	73.0-75.0 Tuff ± lap. ≤ 0.5% Py " + Fract.		2.0				
O	75.0-77.0 Tuff ± lap. + Rhy. Py cont 0.5% - 1% + Po?		2.0				
P	77.0-79.0 Rhyolite Tr - 0.5% Py / Po?	2.0					
Q	79.0-81.0 Rhyolite + tuff. - LAP. Tr - 0.5% Py / Po	2.0					
R	81.0-82.5 LAP. Tuff. Tr - 0.5% Py / Po	1.5					
S	85.0-87.0 85.5-87.5 LAP TUFF Tr Py.	2.0					
T	87.5-89.5 LAP TUFF Tr Py	2.0					
U	89.5-91.5 " " "	2.0					
V	91.5-93.5 " " "	2.0					
W	93.5-95.5 " " "	2.0					

NORANDA EXPLORATION COMPANY, LIMITED

0715

White - Office  
Yellow - Field

LAB \_\_\_\_\_

PROJECT NO. #178 PROPERTY BABS

N.T.S. \_\_\_\_\_

CERT. NO. \_\_\_\_\_

GRID REFERENCE NB93-8

DATE DEC 14/93

SAMPLE REPORT

SAMPLE #	DESCRIPTION	TYPE	WIDTH	ASSAYS			CO-ORDINATES	SAMPLER
				FROM	TO			
A	95.5-97.5 Rhy1 + LAP Tuff Tr - 0.5% Py FRACT	Core	2.0					RIC
B	97.5-98.5 Rhy1. Tr - 0.5% Py FRACT	)	1.0	97.5	100.3			/
C	98.5-100.3 Rhy1. Tr - 0.5% Py FRACT.		1.8					
D								
E								
F								
G								
H								
I								
J								
K								
L								
M								
N								
O								
P								
Q								
R								
S								
T								
U								
V								
W								

LAB \_\_\_\_\_

PROJECT NO. #178 PROPERTY BABS

N.T.S. \_\_\_\_\_

CERT. NO. \_\_\_\_\_

GRID REFERENCE NB 93-9

DATE DEC 14/93

SAMPLE REPORT

SAMPLE #	DESCRIPTION	TYPE	WIDTH	ASSAYS		CO-ORDINATES	SAMPLER
				From	To		
A	21.0-23.0 LAP TUFF TR Py	Cone	2.0	21.0	25.0		EK
B	23.0-25.0 " 2% Py Po (Fence.) + Ser. ± CO <sub>2</sub> filled fract.	}	2.0				}
C	25.0-27.0 " <1% Py Po FRAC. "		2.0	25.0	29.0		
D	27.0-29.0 " 1.5% Py Po FRAC. ser.		2.0				
E	29.0-31.0 " <1% Py Po FRAC./diss.		2.0	29.0	33.0		
F	31.0-33.0 " <1% Py Po " / "		2.0				
G	33.0-35.0 " 1% Py Po FRAC (diss.)		2.0	33.0	37.0		
H	35.0-37.0 " <1% Py Po "		2.0				
I	37.0-40.0 " 1% Py Po "		3.0	37.0	42.0		
J	40.0-42.0 Rhyli./Feld Porph. TR diss Py. FRAC.		2.0				
K	42.0-44.0 " " <1% FRAC Py Po		2.0	42.0	46.0		
L	44.0-46.0 " " 1% " " "		2.0				
M	46.0-48.0 " " 1.5% Py/Po FRAC.		2.0	46.0	51.0		
N	48.0-51.0 " " 1% Po/Po "		3.0				
O	<del>51.0-52.0</del> 51.0-53 1.5-2% Py/Po "		2.0	51.0	55.0		
P	<del>52.0-54.0</del> 53-55 " " " "		2.0				
Q	<del>54.0-56.0</del> 55-57 " " " "	2.0	55.0	59.0			
R	<del>56.0-58.0</del> 57-59 " " " "	2.0					
S	<del>58.0-60.0</del> 59-61 " " " "	2.0	59.0	63.0			
T	<del>60.0-62.0</del> 61-63 2% " "	2.0					
U	<del>62.0-64.0</del> 63-65 2% " "	2.0	63.0	67.0			
V	<del>64.0-66.0</del> 65-67	2.0					
W	<del>66.0-68.0</del> 67-69	2.0					

LAB \_\_\_\_\_

PROJECT NO. 178 PROPERTY BABS

N.T.S. \_\_\_\_\_

CERT. NO. \_\_\_\_\_

GRID REFERENCE NB93-9

DATE 12/15/93

SAMPLE REPORT

SAMPLE #	DESCRIPTION	TYPE	WIDTH	ASSAYS		CO-ORDINATES	SAMPLER	
				FROM	TO			
A	69-71 Phy / Felds Rhy. 2% py/Po Fract.	Core	2.0	67.0	71.0		Rk	
B	71-73 " / " " 3- 2.5% Py Po "	}	2.0	71.0	75.0		}	
C	73-75 " " " 2.5% Py Po "		2.0					
D	75-77 " / " " 1-2% " " "		2.0	75.0	79.0			
E	77-79 " / " " 1% Py Po "		2.0					
F	79-81 " / " " <1% " " "	2.0	79.0	83.0		}		
G	81-83 " / " " <1% " " "	2.0						
H	83-85 " / " " <1% " " "	2.0	83.0	87.0				
I	85- <del>87</del> 87 " / " " Tr Py Po	2.0						
J	87-89 " / " " TR Py Po	2.0	87.0	91.0		}		
K	89-91 " / " " TR Py Po	2.0						
L	<del>97-93</del>							
M	<del>95-95</del>							
N								
O								
P								
Q								
R								
S								
T								
U								
V								
W								

**APPENDIX III**  
**STATEMENT OF COSTS**

**NORANDA EXPLORATION COMPANY, LIMITED**  
**STATEMENT OF COSTS**

PROJECT: Babs (#178)

DATE: February 2, 1994

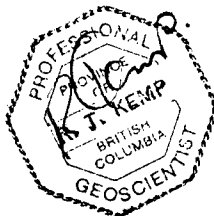
TYPE OF REPORT: Drilling

a) Wages:  
No. of Mandays : 9 mandays  
Rate per Manday: \$355.00/manday  
Dates From : December 8 - 16, 1993  
Total Wages : 9 mandays x \$355.00/mday \$ 3,195.00

b) Food & Accommodations:  
No. of Mandays : 9 mandays  
Rate per Manday: \$46.92/manday  
Dates From : December 8-16, 1993  
Total Costs : 9 mandays x \$46.92/mday \$ 422.24

c) Transportation:  
No. of Mandays : 9 mandays  
Rate per Manday: \$77.86  
Dates From : December 8-16, 1993  
Total Costs : 9 mandays x \$77.86/mday \$ 700.71

d) Instrument Rental:  
Type of Instrument:  
No. of Mandays :  
Rate per Manday:  
Dates From :  
Total Costs :



Type of Instrument:  
No. of Mandays :  
Rate per Manday:  
Dates From :  
Total Costs :

e) Analysis:  
(See attached schedule) \$ 1,245.00

f) Cost of preparation of Report:  
Author : \$400.00  
Drafting: \$300.00  
Typing : \$300.00  
\$ 1,000.00

g) Other:  
Contractor:  
Britton Bros. Diamond Drilling  
(NB93-08 and NB93-09)  
200.6 m x \$62.59/m \$12,555.55

TOTAL COST \$19,118.50

h) Unit Costs for Drilling  
No. of Meters : 200.6 m  
No. of Units : 19,118.50  
Unit Costs : \$95.31/m  
Total Cost : \$19,118.50



NORANDA EXPLORATION COMPANY, LIMITED  
(CORDILLERA DIVISION)

DETAILS OF ANALYSES COSTS

PROJECT: Babs

<u>ELEMENT</u>	<u>NO. OF DETERMINATIONS</u>	<u>COST PER DETERMINATION</u>	<u>TOTAL COSTS</u>
28 element ICP	83 core samples	\$15.00/sample	\$1,245.00



**APPENDIX IV**  
**STATEMENT OF QUALIFICATIONS**

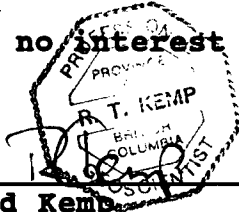
STATEMENT OF QUALIFICATIONS

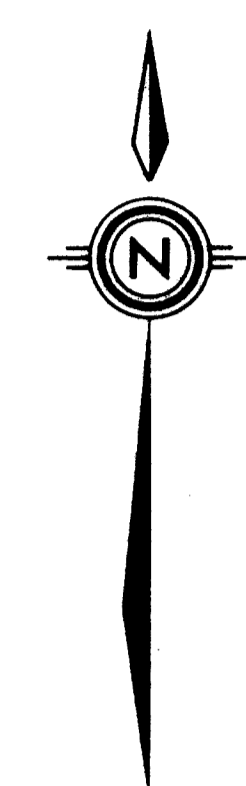
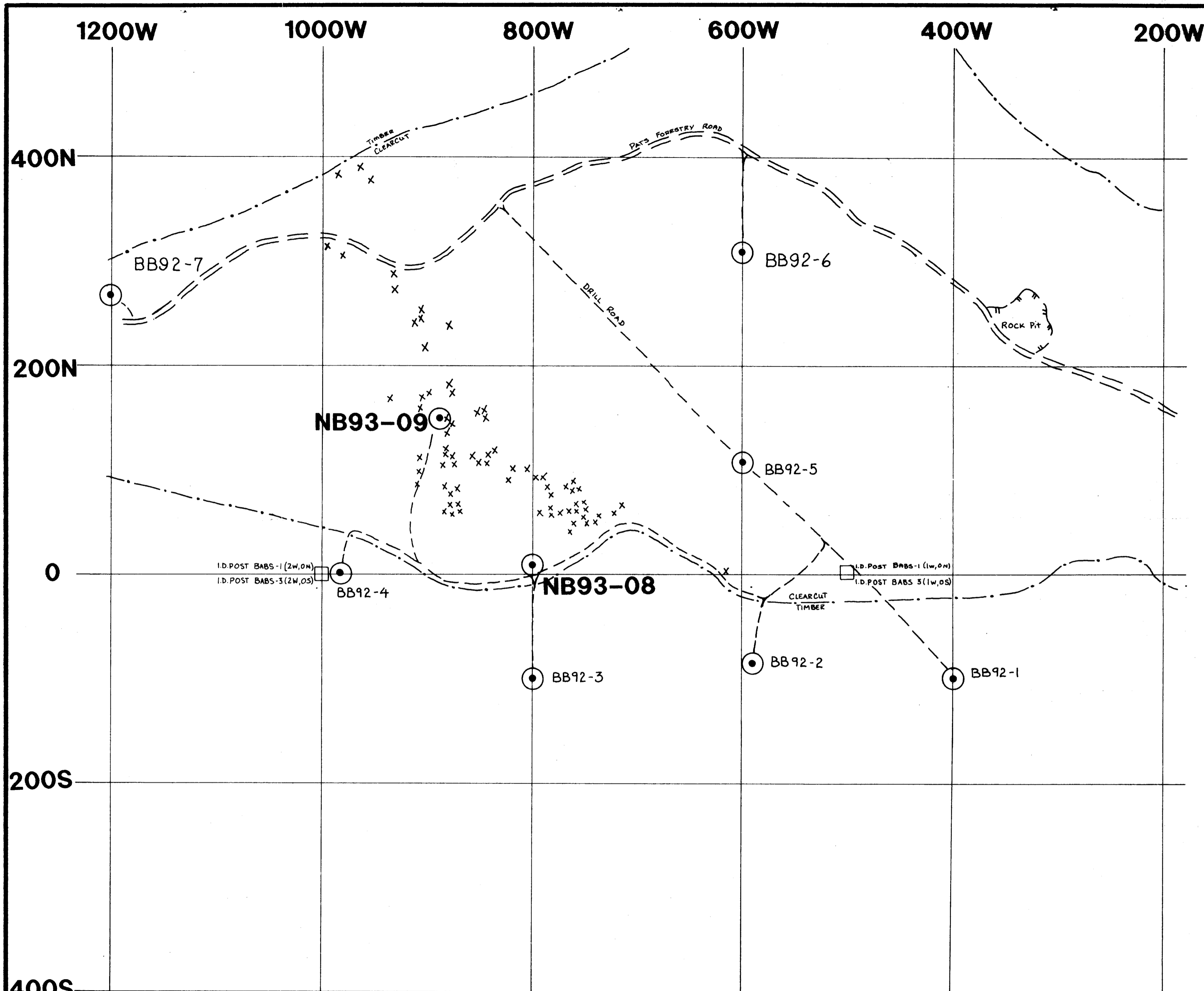
I, Richard Kemp, of the City of Vancouver, Province of British Columbia, do hereby certify that:

- 1) I am a geologist, residing at #111 - 2455 York Avenue, Vancouver, B.C.
- 2) I am a graduate of the Haileybury School of Mines (1974) Mining Technician Diploma and hold a B.Sc. Geology degree from Lakehead University (1981).
- 3) I have worked in mineral exploration in Canada and internationally since 1974 as a mining technician and since 1981 as a geologist.
- 4) The work described in this report was conducted under my supervision and I have prepared this report based on the field observations of those contracted by Noranda Exploration Company, Limited.
- 5) I have been continuously employed by Noranda Exploration Company, Limited since 1982.
- 6) I have no interest in the property nor do I expect to receive any.


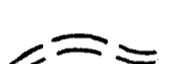
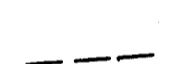


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Richard Kemp

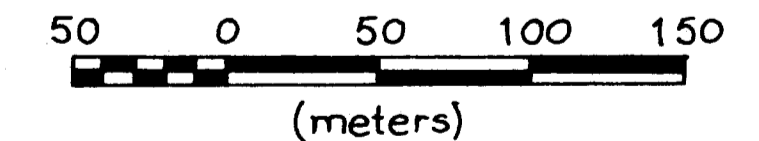


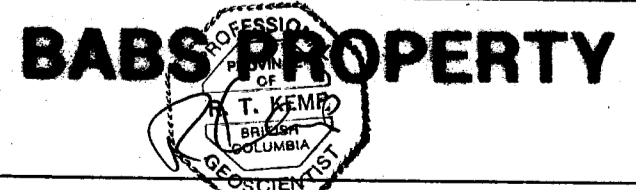


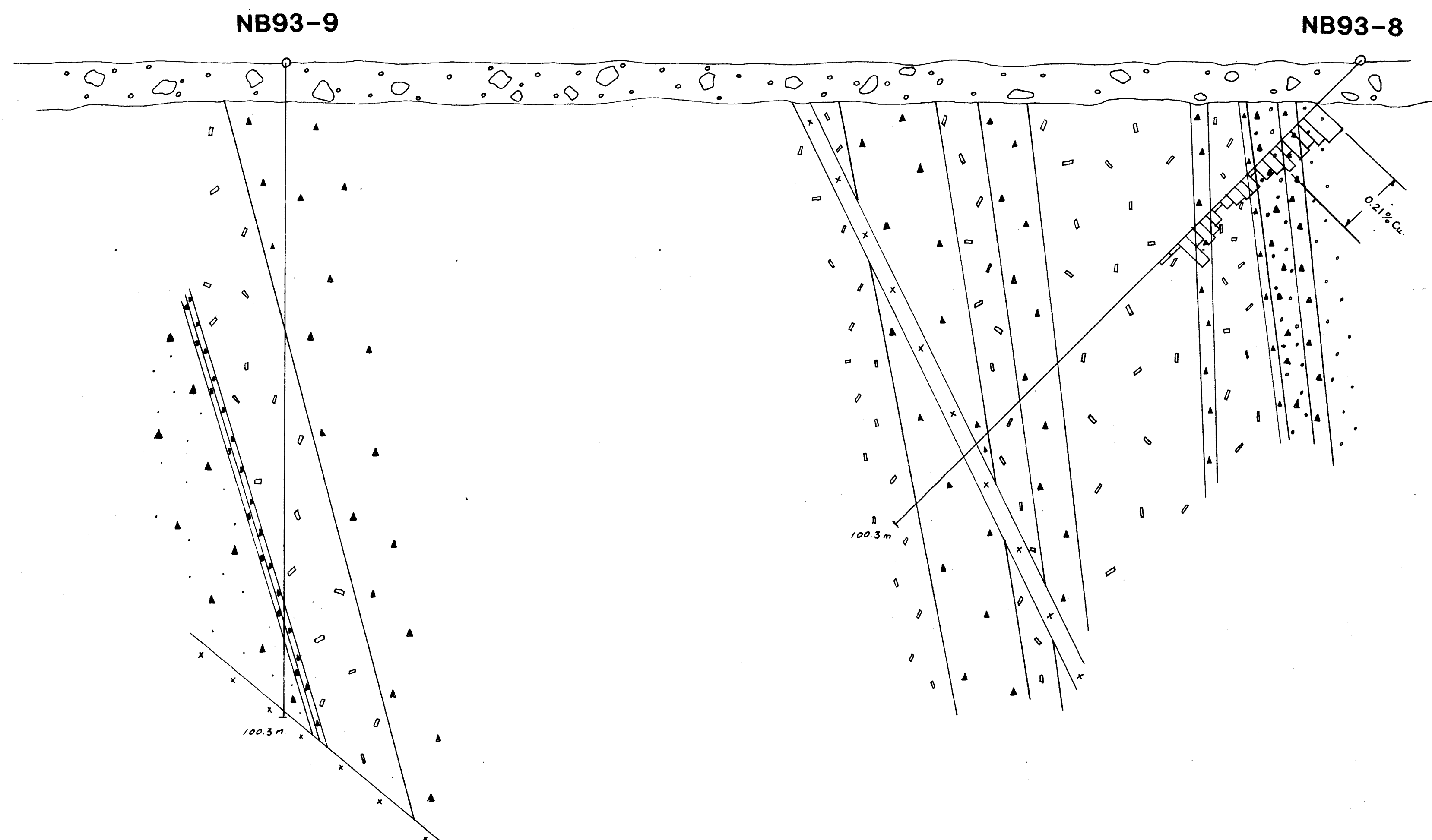
**LEGEND**

-  EDGE OF CLEARCUT
  -  FORESTRY ROAD
  -  DRILL ROAD
  -  B.F.P. Cu. FLOAT
  -  D.D.H. COLLAR
- GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**23,261**

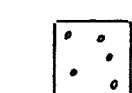
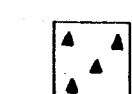
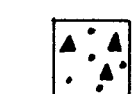
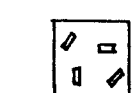
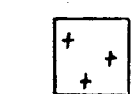


REVISED		
PROJ. No. ....	SURVEY BY: <i>KK</i>	DATE: <i>FEB. 1994</i>
N.T.S. ....	DRAWN BY: <i>KK</i>	SCALE: <i>1:2500</i>
DWG. No. <b>3</b>	<b>NORANDA EXPLORATION</b>	
	OFFICE: <i>VANCOUVER</i>	

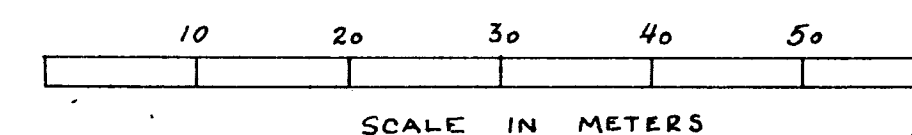


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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-  ASH TUFF
-  LAPILLI TUFF
-  LAPILLI/ASH TUFF
-  RHYOLITE/FELDSPAR  
PORPHYRY
-  MAFIC INTRUSIVE

BAR SCALE : 1cm = 0.25% Cu.



REVISED	<b>BABS PROPERTY</b>	
	D.D.H. NB93-89	
	<b>VIEW LOOKING EAST</b>	
PROJ. No. 178	SURVEY BY: R.K.	DATE: JANUARY 79
N.T.S. 1:1000	DRAWN BY: R.K.	SCALE: 1:50,000
DWG. No. 4	<b>NORANDA EXPLORATION</b>	
	OFFICE: VANCOUVER	