

VOLUME INDEX

Volume I Report text , Property Geology Plan (1:10,000; Figure 4), Appendix A

Volume II Appendix B

Volume III Appendicies C to G

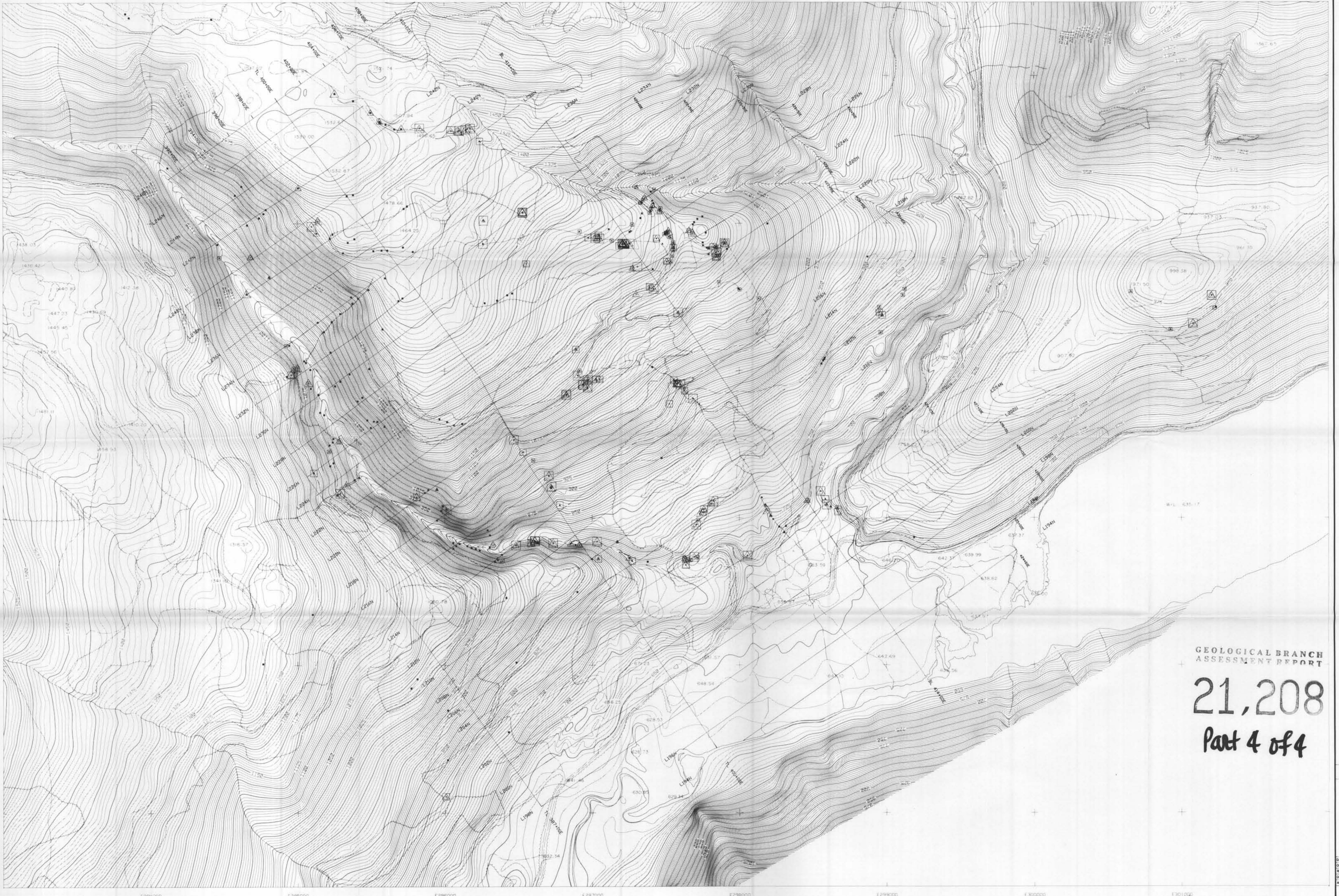
Volume IV Figures 6 to 19, 21 to 23, 26 and 28.

G E O L O G I C A L B R A N C H
A S S E S S M E N T R E P O R T

21,208

Part 4 of 4





LEGEND

NA2O AND ISHIKAWA IN ROCK

EBA UNIT FELSIC VOLCANIC	NA2O (wt %)	ISHIKAWA ALTERATION INDEX
• 1.01 - 100.00	*	0 - 59
△ 0.71 - 1.00	□	60 - 77
△ 0.20 - 0.70	□	78 - 90
△ 0.00 - 0.19	□	91 - 100

INTERMEDIATE AND MAGMATIC VOLCANIC	NA2O (wt %)	ISHIKAWA ALTERATION INDEX
• 0.61 - 100.00	*	0 - 56
△ 0.40 - 0.60	□	57 - 79
△ 0.20 - 0.39	□	80 - 90
△ 0.00 - 0.19	□	91 - 100

EBF UNIT INTERMEDIATE VOLCANIC	NA2O (wt %)	ISHIKAWA ALTERATION INDEX
• 3.11 - 100.00	*	0 - 56
△ 2.10 - 3.13	□	57 - 65
△ 1.00 - 2.09	□	66 - 75
△ 0.00 - 0.99	□	76 - 100

$$\text{ALTERATION INDEX} = \frac{\text{MgO} + \text{K}_2\text{O}}{\text{CaO} + \text{Na}_2\text{O} + \text{MgO} + \text{K}_2\text{O}}$$

21,208
Part 4 of 4

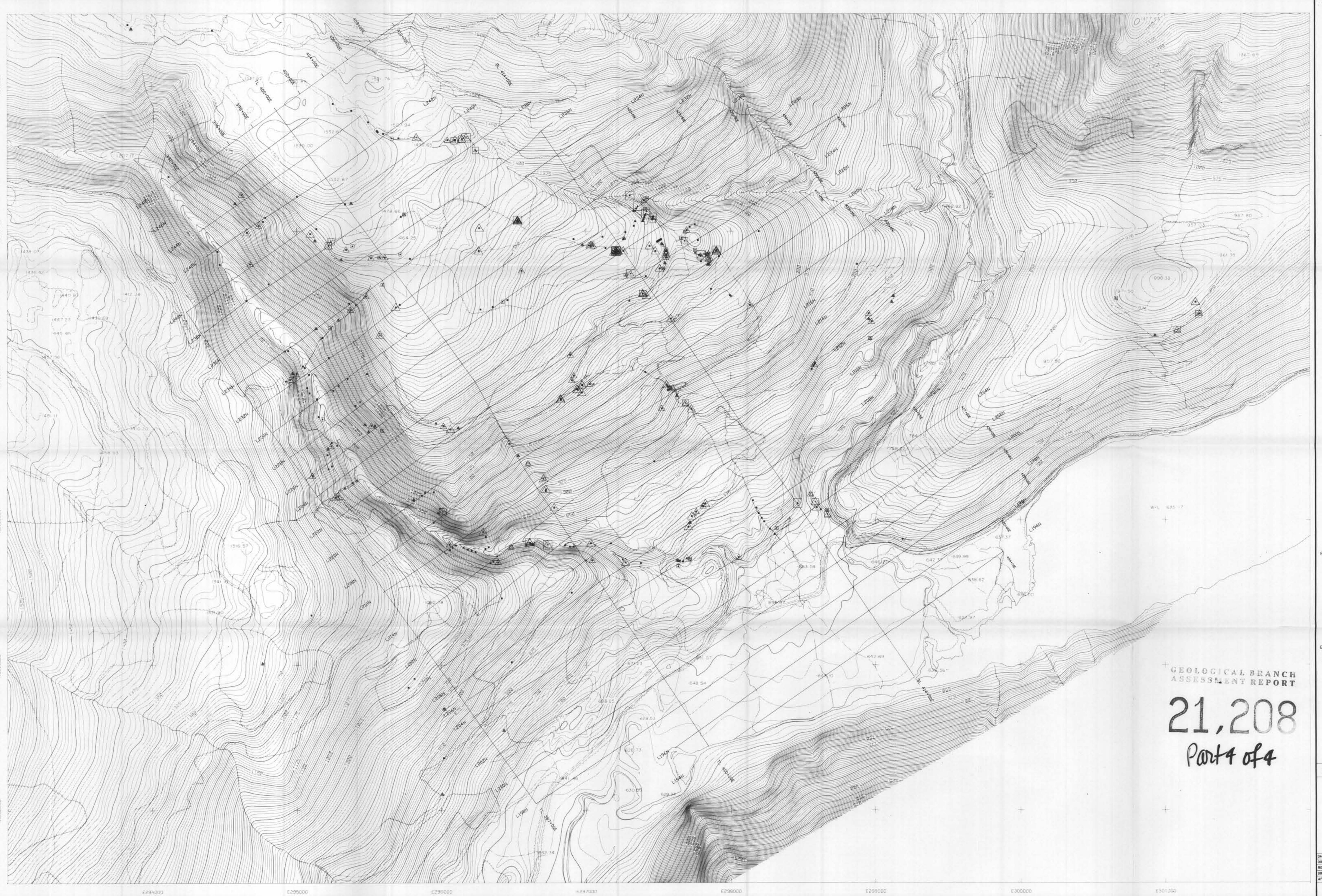
SCALE 1:10 000

0 100 200 300 400 500 m

FALCONBRIDGE LIMITED
BIRK CREEK PROJECT
Barriere, British Columbia

ISHIKAWA ALTERATION INDEX AND SODIUM
LITHOGEOCHEMISTRY
1989 AND 1990 SURFACE SAMPLES

DATE OF WORK: 1989 AND 1990 CLAIMS: BET, BLUFF FIGURE NO.
ORIGINAL BY: ADM 1 DATE: NOV 1990 PROJECT: 146/147
REVISED BY: DATE:
DRAWN BY: GF & CPW DATE: 19-DEC-1990 N.T.S. NO.: 82M/05W
APPROVED BY: DATE:
MAP #: 147-3-007



A small black compass rose icon with a central vertical line and a circle around it.

LEGEND

CAO AND MGO IN ROCK

	CAO (wt %)	MGO (wt %)
CBA UNIT	• 1.40 - 100.00	■ 0.00 - 3.99
FELSIC VOLCANIC	△ 0.80 - 1.39	□ 4.00 - 6.50
	△ 0.30 - 0.79	□ 6.51 - 8.00
	△ 0.00 - 0.39	□ 8.01 - 100.00

CBF UNIT	★ 1.41 - 100.00	■ 0.00 - 3.99
INTERMEDIATE	△ 1.00 - 1.40	□ 4.00 - 4.99
VOLCANIC	△ 0.50 - 0.99	□ 5.00 - 5.60
	△ 0.00 - 0.49	□ 5.61 - 100.00

+ GEOLOGICAL BRANCH
ASSESSMENT REPORT

Part 4 of 4

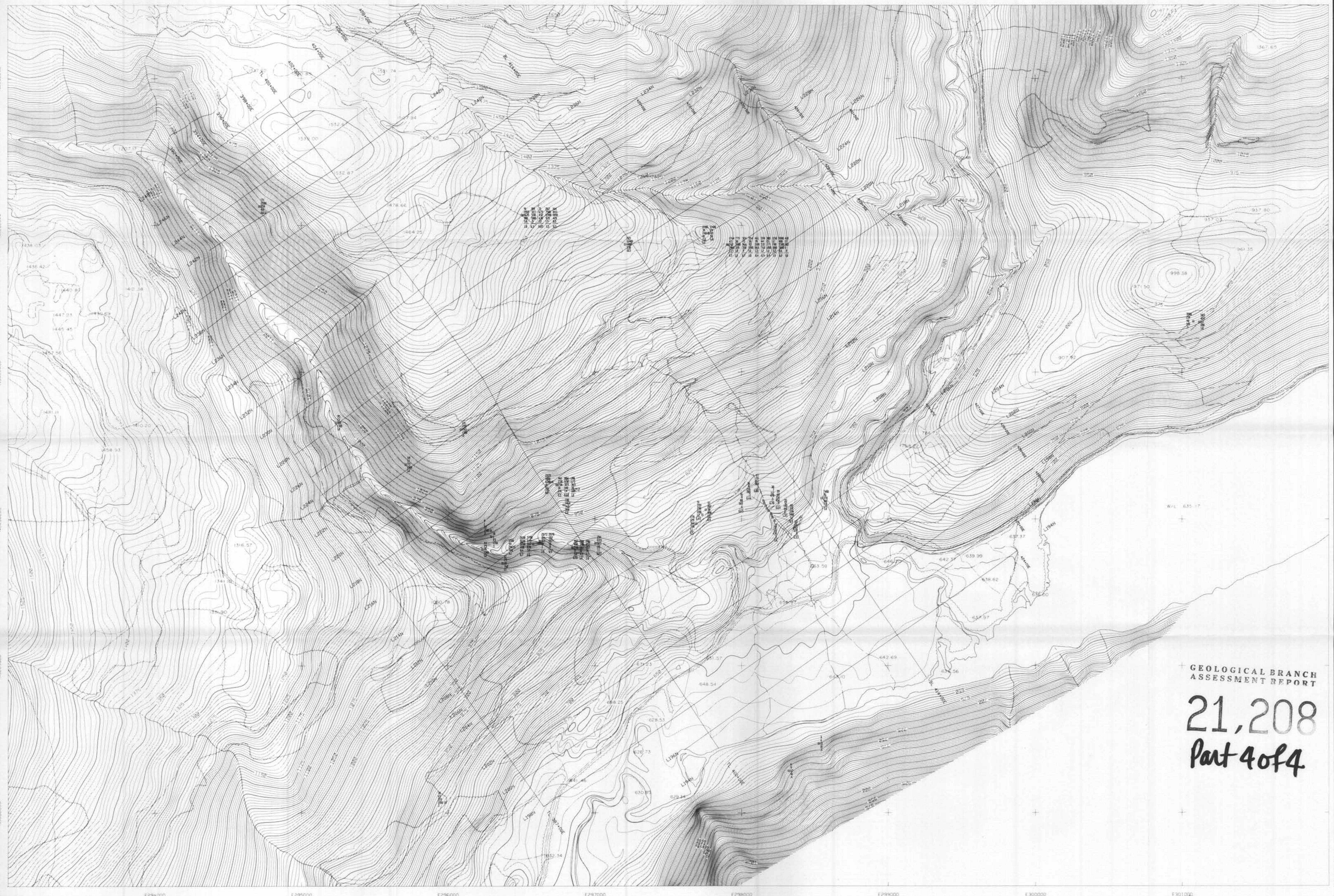
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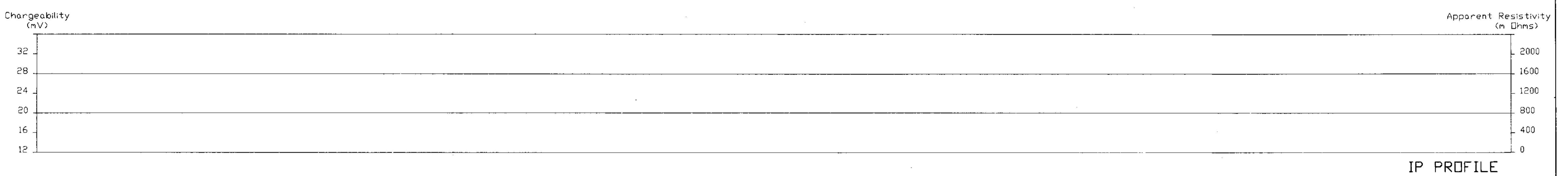
0 100 200 300 400 500 m

LCONBRIDGE LIMITED

CALCIUM AND MAGNESIUM
LITHOGEOCHEMISTRY
1989 AND 1990 SURFACE SAMPLES

DATE OF WORK: 1989 AND 1990	CLAIMS: BET, BLUFF	FIGURE NO 8	
ORIGINAL BY: ADM	DATE: NOV 1990		PROJECT NUMBER: 146/147
REVISED BY:	DATE:		N.T.S. NO.: 82M/05W
DRAWN BY: GF & CPW	DATE: 19-DEC-1990		MAP #: 147-3-0025
APPROVED BY:	DATE:		





IP PROFILE

LEGEND

EAGLE BAY STRATIGRAPHY

EBP	Phyllite
EBF	Intermediate Volcanics
EBA	Felsic to Intermediate Volcanics

MAJOR ROCK UNITS

10	Late Mafic Intrusions
9	Felsic Intrusions
8	Intermediate Intrusions
7	Mafic Intrusions
6	Ultramafic Intrusions
5	Sediments
4	Felsic Volcanics
3	Intermediate Volcanics
2	Mafic Volcanics
1	Ultramafic Volcanics

ROCK UNIT LETTER QUALIFIERS

The second letter indicates the type of rock; if omitted a dash should be inserted if a third letter is used.

A	Tuff	K	Wacke
B	Lapilli Tuff	L	Chlorite
C	Tuff Breccia	M	Conglomerate
D	Massive Flow	N	Chert
E	Pillowed Flow	O	Limestone
F	Flow Breccia	P	Exhalite/Sulphides
G	Pillow Breccia	Q	Tuffaceous Sediments
H	Intrusive	R	Fine Grained
I	Argillite	S	Medium Grained
J	Siltstone	T	Coarse Grained

The third and fourth letters are placed in alphabetical order, they are optional and further define the rock.

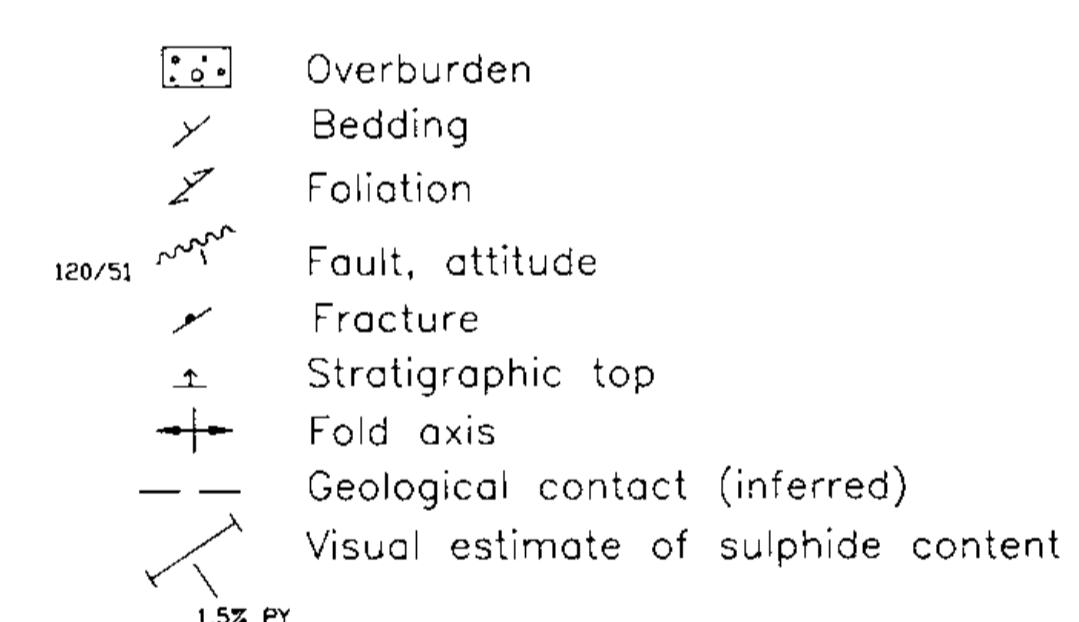
A	Quartz Phryic	K	Bedded
B	Feildspar Phryic	L	Chloritic
C	Quartz-Felspar Phryic	M	Graphitic
D	Mafic Phryic	N	Calcareous
E	Mafic-Feldspar Phryic	O	Argillaceous
F	Amygdaloidal	P	Siliceous/Cherty
G	Spherulitic	Q	Sheared
H	Variolitic	R	Massive
I	Leucocratic	S	Lithic
J	Melanocratic	T	Dolomitic

OTHER

ms Massive sulphides ss Stringer sulphides
ls Laminated to ds Disseminated sulphides
banded sulphides

u Unconformity py Pyrite
FZ Fault zone cp Chalcocite
FB Fault breccia po Pyrrhotite
CS Casing sp Sphalerite
QV Quartz vein go Galena

SYMBOLS



Geophysics

— IP Chargeability
--- Apparent Resistivity

Geochemistry

Lithgeochemistry data from Cominco or XRM lab
Geochemistry and assay data from Bondar Clegg
Cu Zn Pb Ag Au Ba interval
ppm ppm ppm ppm ppm / m
MgO FeO CaO MnO / mg/m
118.32 3.34 68 / 3.2
140.310 180 3.2 16.1244 / 3.4
Weighted Average

GEOLOGICAL ASSESSMENT REPORT

Part 4 of 4

21,208

0 20 40 60 80 M
SCALE 1 : 1,000

FALCONBRIDGE LIMITED

BIRK CREEK PROJECT

Barriere, British Columbia

Victoria Resources Option

EPICLASTIC TREND


SECTION 216+00 NE


HOLES DUCANEX-1, 3

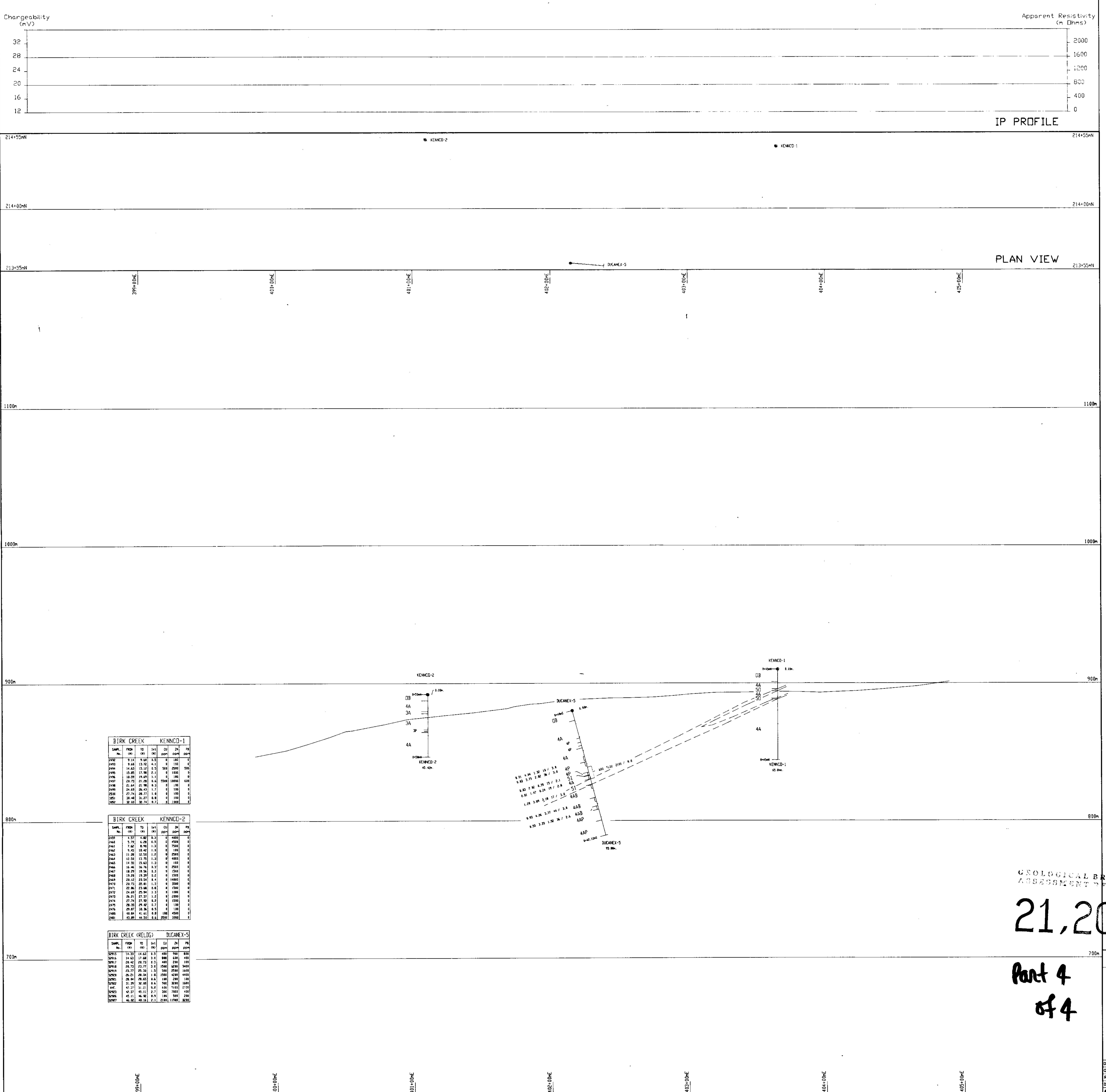
LOOKING 325°


DATE OF WORK:	OCTOBER 1990	CLAIMS:	BLUFF 2
ORIGINAL BY:	ADM	DATE:	SEP 1990
REVISED BY:		PROJECT NUMBER:	147
DRAWN BY:	SW	DATE:	21-JAN-91
APPROVED BY:		MAP #:	147-5-0050

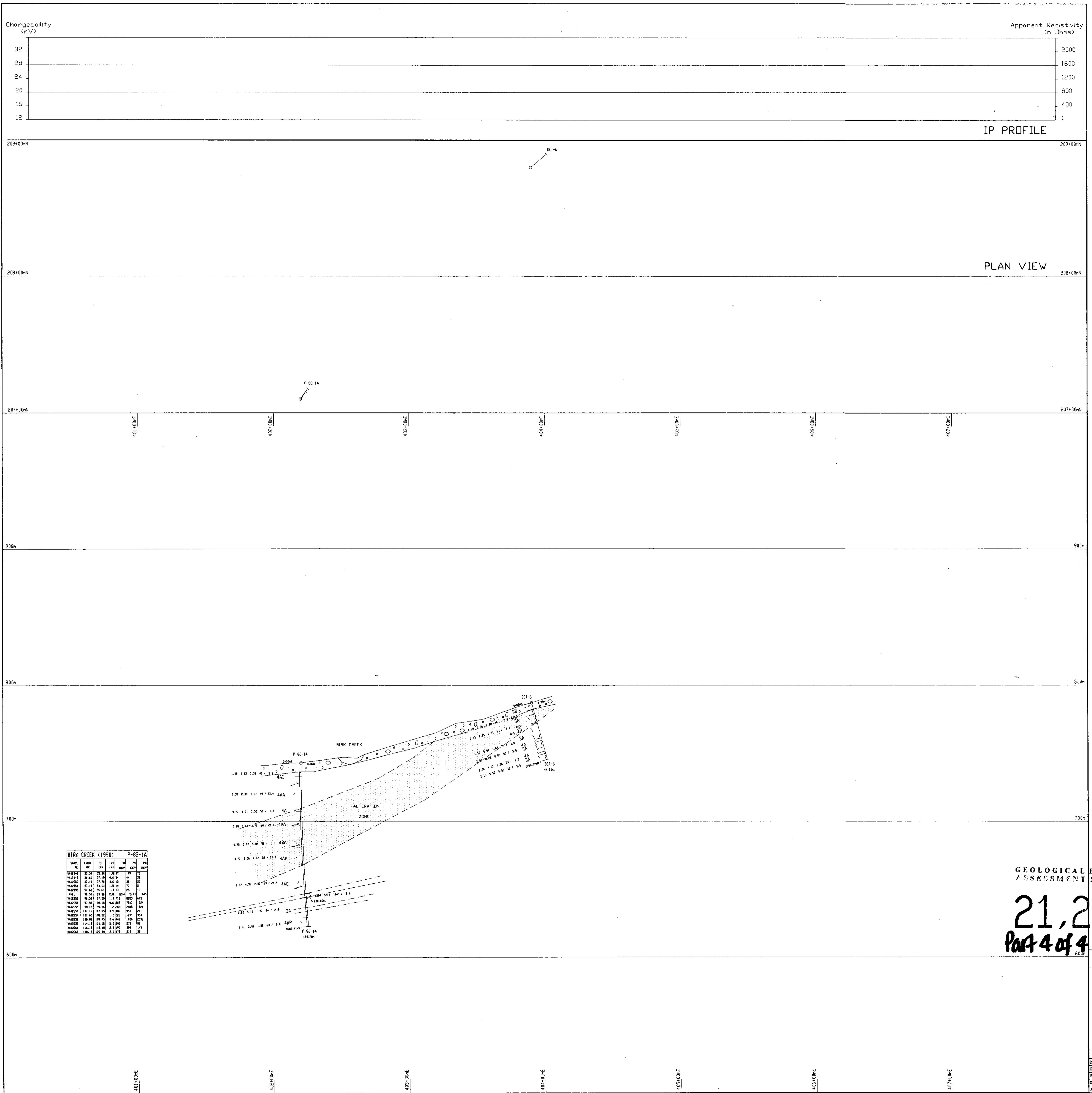
10











LEGEND

EAGLE BAY STRATIGRAPHY

EBP Phyllite
EBF Intermediate Volcanics
EBA Felsic to Intermediate Volcanics

MAJOR ROCK UNITS

- | | |
|----|-------------------------|
| 10 | Late Mafic Intrusions |
| 9 | Felsic Intrusions |
| 8 | Intermediate Intrusions |
| 7 | Mafic Intrusions |
| 6 | Ultramafic Intrusions |
| 5 | Sediments |
| 4 | Felsic Volcanics |
| 3 | Intermediate Volcanics |
| 2 | Mafic Volcanics |
| 1 | Ultramafic Volcanics |

PLAN VIEW

The second letter indicates the type of rock; if omitted, it is assumed to be igneous. If omitted, the third letter indicates

A	Tuff	K	Wacke
B	Lapilli Tuff	L	Conglomerate
C	Tuff Breccia	M	Chert
D	Massive Flow	N	Iron Formation
E	Pillowed Flow	O	Limestone
F	Flow Breccia	P	Exhalite/Sulphides
G	Pillow Breccia	Q	Tuffaceous Sediments
H	Intrusive	R	Fine Grained
I	Argillite	S	Medium Grained
J	Siltstone	T	Coarse Grained

The third and fourth letters are placed in alphabetical order; they are optional and further define the rock.

A	Quartz Phyric	K	Bedded
B	Feldspar Phyric	L	Chloritic
C	Quartz-Feldspar Phyric	M	Graphitic
D	Mafic Phyric	N	Calcareous
E	Mafic-Feldspar Phyric	O	Argillaceous
F	Amygdaloidal	P	Siliceous/Cherty
G	Spherulitic	Q	Sheared
H	Variolitic	R	Massive
I	Leucocratic	S	Lithic
J	Melanocratic	T	Dolomitic

OTHER

ms Massive sulphides ss Stringer sulphides
 ls Laminated to ds Disseminated sulphides
 banded sulphides

u	Unconformity	py	Pyrite
FZ	Fault zone	cpy	Chalcopyrite
FB	Fault breccia	po	Pyrrhotite
CAS	Casing	sp	Sphalerite
OV	Quartz vein	qa	Galena

SYMBOLS

	Overburden
	Bedding
	Foliation
	Fault, attitude 120/51
	Fracture
	Stratigraphic top
	Fold axis
	Geological contact (inferred)
	Visual estimate of sulphide content

Geophysics

— IP Chargeability
— Apparent Resistivity

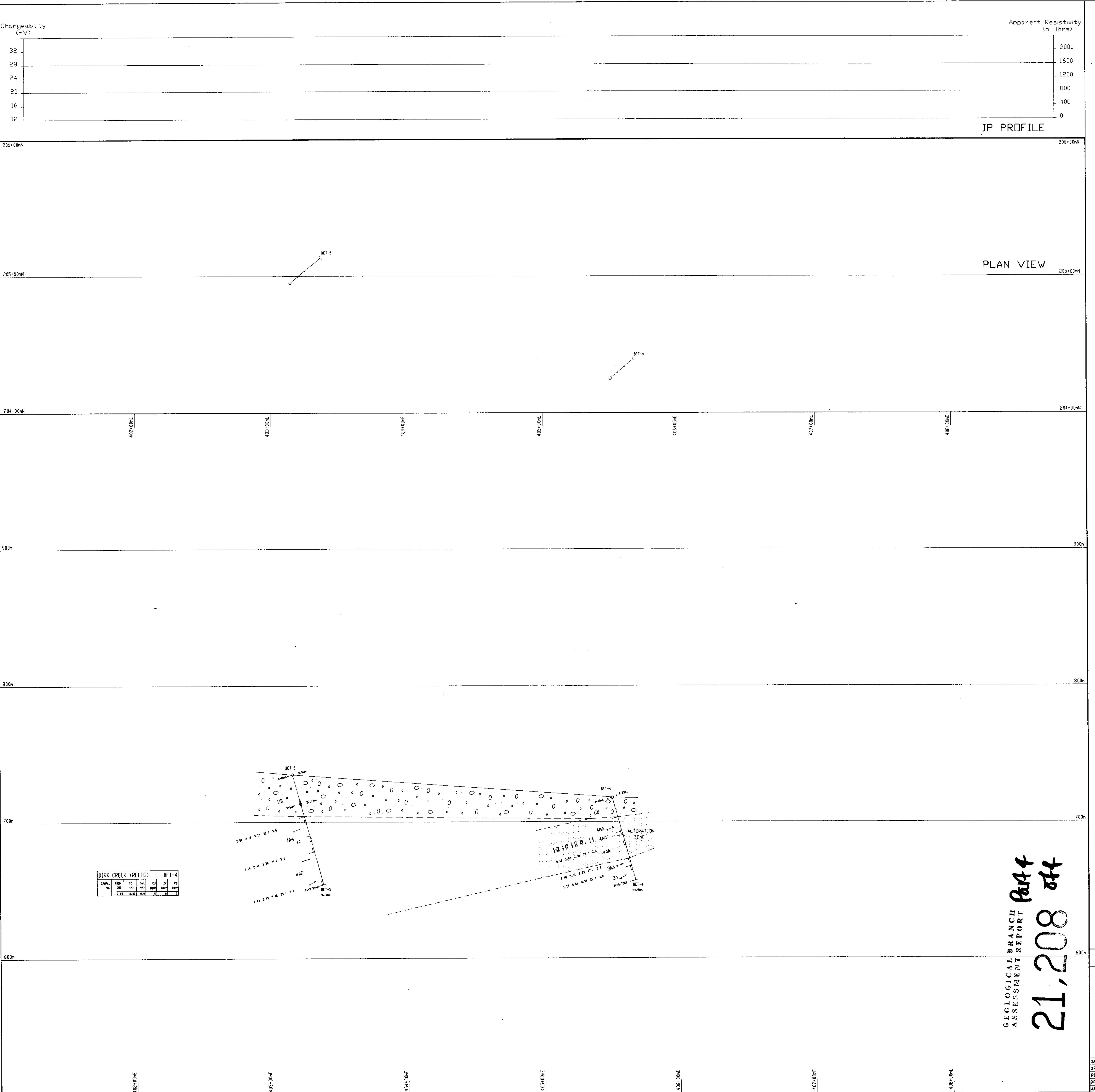
Geochemistry

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,2
Part 4 of 4

 FALCONBRIDGE LIMITED
BIRK CREEK PROJECT
Barriere, British Columbia
Cominco (Bet) Option
SECTION 208+00 NORTH
HOLES BET-6, P-82-1A
LOOKING 325°

LOOKING 323			
DATE OF WORK: OCTOBER 1990	CLAIMS: BET 1		
ORIGINAL BY: ADM	DATE: SEP 1990	PROJECT NUMBER: 147	FIGURE NO. 15
REVISED BY:	DATE:		
DRAWN BY: SW	DATE: 21-JAN-91	N.T.S. NO.: 82M/05W	
APPROVED BY:	DATE:	MAP #: 147-5-0048	



LEGEND

EAGLE BAY STRATIGRAPHY

EBP Phyllite
EBF Intermediate Volcanics
EBA Felsic to Intermediate Volcanics

MAJOR ROCK UNITS

- | | |
|----|-------------------------|
| 10 | Late Mafic Intrusions |
| 9 | Felsic Intrusions |
| 8 | Intermediate Intrusions |
| 7 | Mafic Intrusions |
| 6 | Ultramafic Intrusions |
| 5 | Sediments |
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| 3 | Intermediate Volcanics |
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G	Spherulitic	Q	Sheared
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 ls Laminated to ds Disseminated sulphides
 banded sulphides

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FZ	Fault zone	cpy	Chalcopyrite
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SYMBOLS

 Overburden
 Bedding
 Foliation
 Fault, attitude
 Fracture
 Stratigraphic top
 Fold axis
 Geological contact (inferred)
 Visual estimate of sulphide content

Geophysics

— IP Chargeability
— Apparent Resistivity

Geochemistry

Lithogeochemistry data from Cominco or XRAL lab		Geochemistry and assay data from Bondar Clegg									
NA2O	MgO	CAO	Ishikawa / Interval	CU %	ZN %	PB %	AG ppm	AU ppm	BA ppb	/ Interval m	
1.95	6.35	3.58	60 / 3.0	1108	3224	335	2.2	64	10	0.8	
				1437	3512	1855	3.3	96	1244	1.8	Weighted Average

 FALCONBRIDGE LIMITED
BIRK CREEK PROJECT

Barriere, British Columbia

Cominco (Bei) option
SECTION 205+00 NORTH

HOLES BET=4 5

LOOKING 325°				
DATE OF WORK:	OCTOBER 1990	CLAIMS:	BET 1, 3	
ORIGINAL BY:	ADM	DATE:	SEP 1990	PROJECT NUMBER: 147
REVISED BY:		DATE:		FIGURE 1
DRAWN BY:	SW	DATE:	21-JAN-91	N.T.S. NO.: 82M/05W

16

LEGEND

EAGLE BAY STRATIGRAPHY

EBP	Phyllite
EBF	Intermediate Volcanics
EBA	Felsic to Intermediate Volcanics

MAJOR ROCK UNITS

10	Late Mafic Intrusions
9	Felsic Intrusions
8	Intermediate Intrusions
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H	Intrusive	R	Fine Grained
I	Argillite	S	Medium Grained
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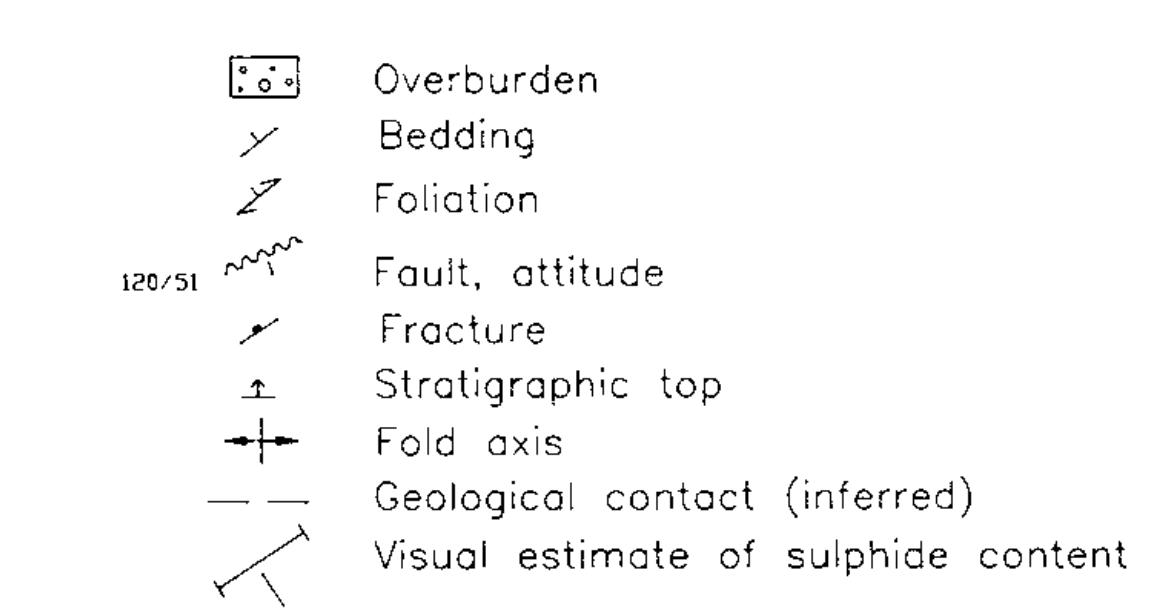
A	Quartz Phryic	K	Bedded
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C	Quartz-Feldspar Phryic	M	Graphic
D	Mafic Phryic	N	Calcareous
E	Mafic-Feldspar Phryic	O	Argillaceous
F	Amphibole	P	Siliceous/Cherty
G	Serpentine	Q	Shredded
H	Variolitic	R	Massive
I	Leucocratic	S	Lithic
J	Mechanocratic	T	Dolomitic

OTHER

ms Massive sulphides
ss Stringer sulphides
ls Laminated to
bs Disseminated sulphides
bonded sulphides

u Unconformity
FZ Fault zone
FB Fault breccia
CAS Casing
QV Quartz vein

SYMBOLS



Geophysics

IP Chargeability
Apparent Resistivity

Geochemistry

Lithogeochemistry data from Cominco or XRAL lab
Geochemistry and assay data from Border Creek
CU Zn Pb Ag Au Ba / Interval
mg/m² Cadmium/Mercury
140 7012 1055 2.2 1244 / 1.5 Weighted Average
1.95 8.26 3.38 4.3 3.4

GEOLOGICAL BRANCH ASSESSMENT REPORT

Part 4
of 4

21,208

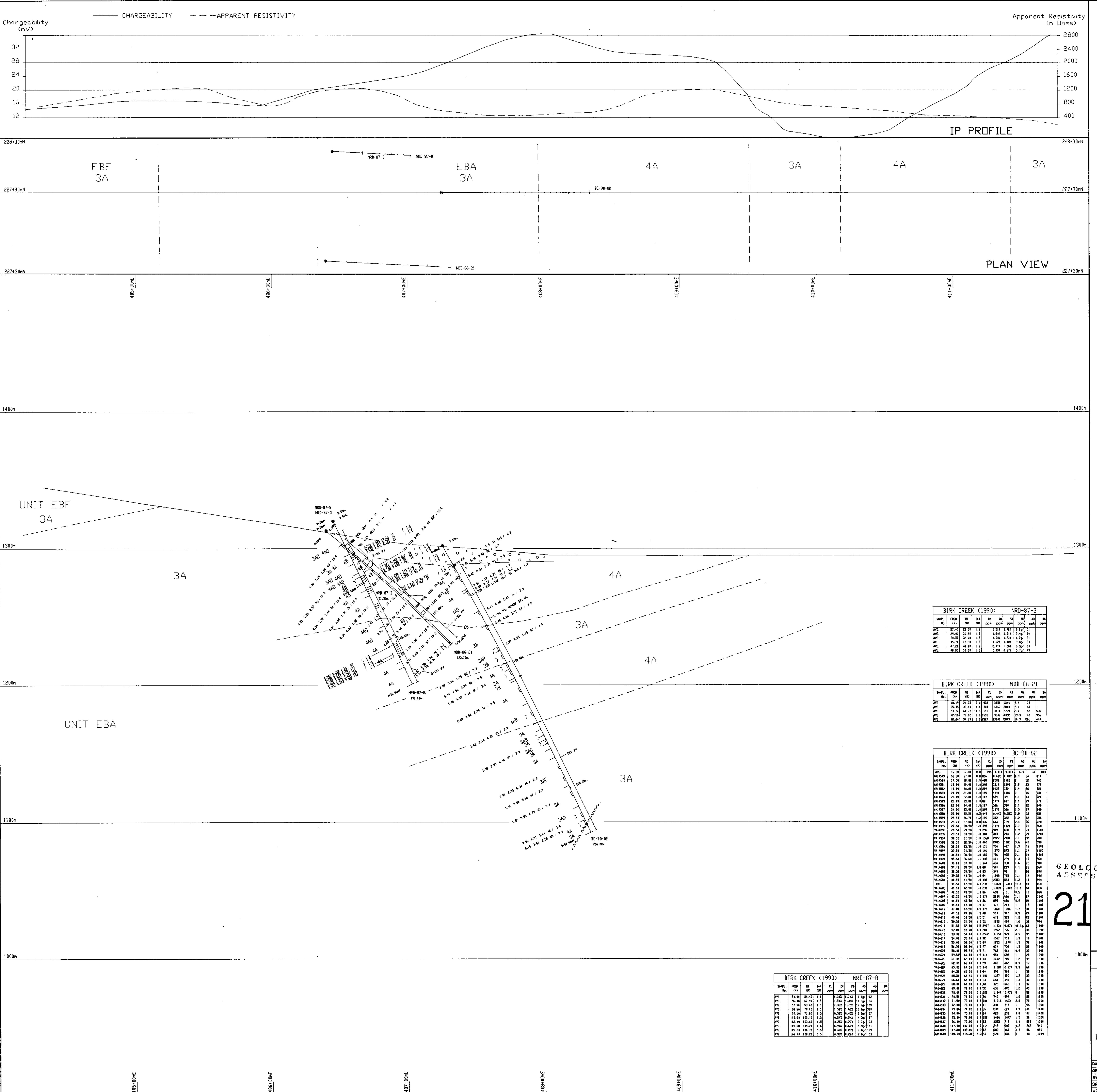
SCALE 1 : 1,000
FALCONBRIDGE LIMITED
BIRK CREEK PROJECT
Barriere, British Columbia
Victoria Resources Option

SECTION 232+70 NORTH

HOLES BC-90-1, BC-90-5, NRD-87-7, NDD-86-18, NDD-86-19

LOOKING 325°

DATE OF WORK: OCTOBER 1990	CLAIMS: BLUFF 1
ORIGINAL BY: ADM	DATE: SEP. 1990
REVISED BY:	DATE:
DRAWN BY: CPW	DATE: 02-JAN-91
APPROVED BY:	DATE: MAP #: 147-5-0043



LEGEND

EAGLE BAY STRATIGRAPHY

EBP Phyllite
EBF Intermediate Volcanics
EBA Felsic to Intermediate Volcanics

MAJOR ROCK UNITS

10	Late Mafic Intrusions
9	Felsic Intrusions
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I	Argillite	S	Medium Grained
J	Siltstone	T	Coarse Grained

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A	Quartz Phyric	K	Bedded
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F	Amygdaloidal	P	Siliceous/Cherty
G	Spherulitic	Q	Sheared
H	Variolitic	R	Massive
I	Leucocratic	S	Lithic
J	Melanocratic	T	Dolomitic

OTHER

ms Massive sulphides ss Stringer sulphides
 ls Laminated to ds Disseminated sulphides
 banded sulphides

u	Unconformity	py	Pyrite
FZ	Fault zone	cpx	Chalcopyrite
FB	Fault breccia	po	Pyrrhotite
CAS	Casing	sp	Sphalerite
QV	Quartz vein	ga	Galena

SYMBOLS

BIRK CREEK (1990)						NRD-87-3			
SAMPL. No.	FROM (m)	TO (m)	Int (m)	CU ppm	ZK ppm	PB ppm	AG ppm	AU ppb	BA ppm
AVE.	27.40	29.00	1.6	0.51X	0.42X	10.2g/	31		
AVE.	29.00	30.50	1.5	0.60X	0.31X	5.4g/	14		
AVE.	30.50	32.00	1.5	0.30Z	0.23Z	6.2g/	21		
AVE.	45.70	47.20	1.5	0.62Z	0.48Z	3.8g/	30		
AVE.	47.20	48.80	1.6	2.71Z	1.28Z	9.9g/	60		
AVE.	48.80	50.00	1.2	0.33Z	0.22Z	5.2g/	17		

BIRK CREEK (1990)						NDD-86-21			
SAMPL. No.	FROM (m)	TO (m)	Int. (m)	CU ppm	Zn ppm	Pb ppm	Ag ppm	Mn ppb	Bi ppm
AVE.	18.19	21.23	3.0	828	2056	1244	4.4	14	
AVE.	35.05	39.40	4.4	308	4367	2818	2.1	44	
AVE.	50.14	68.77	18.6	519	4114	2799	2.6	60	535
AVE.	72.56	79.12	6.6	2690	9242	4032	19.8	40	936
	79.21	81.21	2.0	7614	7614	7614	1.1	11	111

BIRK CREEK (1990)						BC-90-02			
SAMPL. No.	FROM (m)	To (m)	1st (m)	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppb	Ba ppm
AVE.	16.20	17.00	0.8	996	8.413	8.010	6.9	34	814
VA14579	16.20	17.00	0.8	896	8.412	8.012	6.9	34	818
VA14580	17.00	18.00	1.0	488	1589	1363	2	32	940
VA14581	18.00	19.00	1.0	348	1214	1305	1.9	23	778

Lithogeochemistry data from Cominco or XRAL lab Geochemistry and assay data from Bondor Clegg

Part 4

,208 of 4

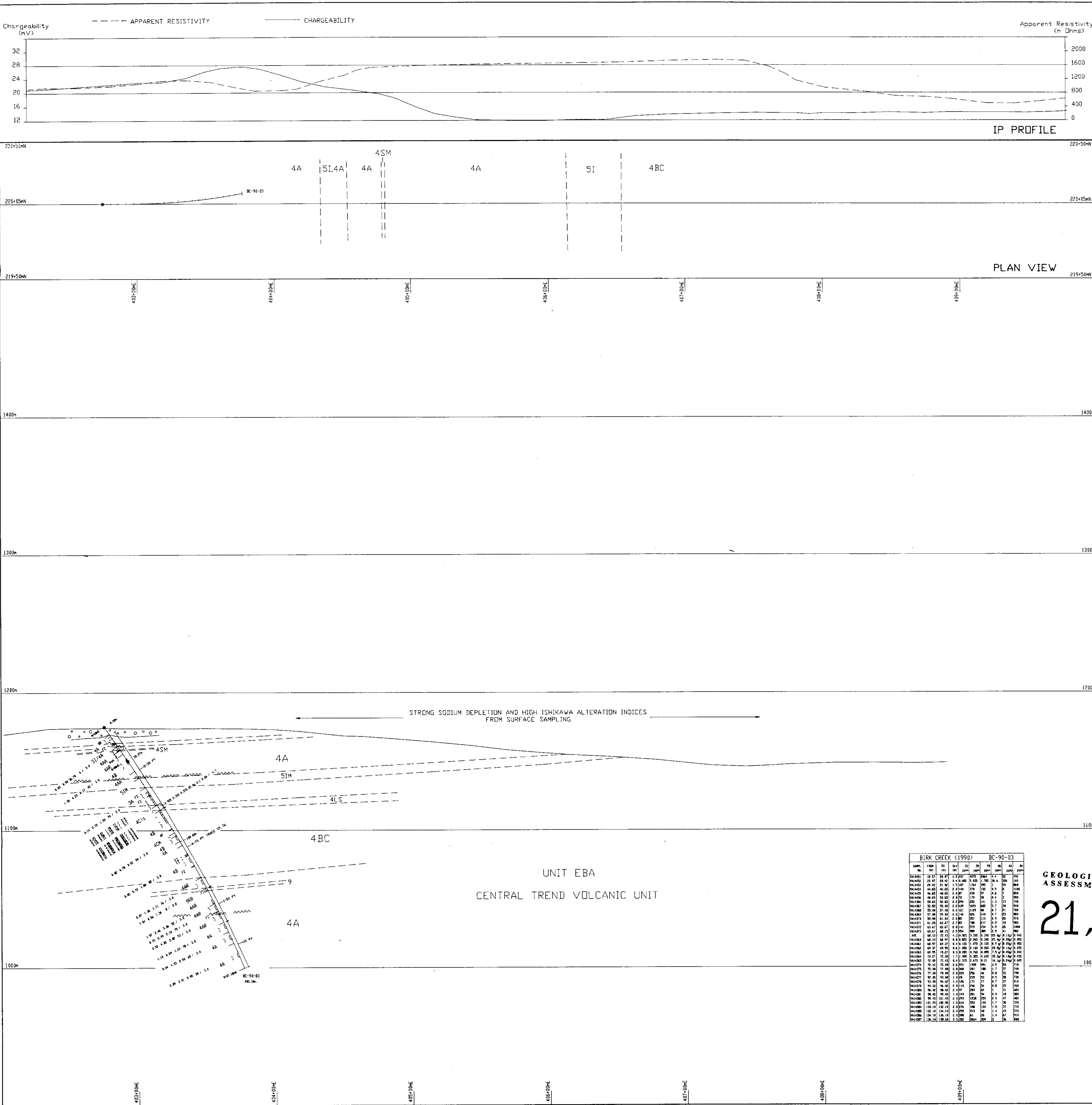
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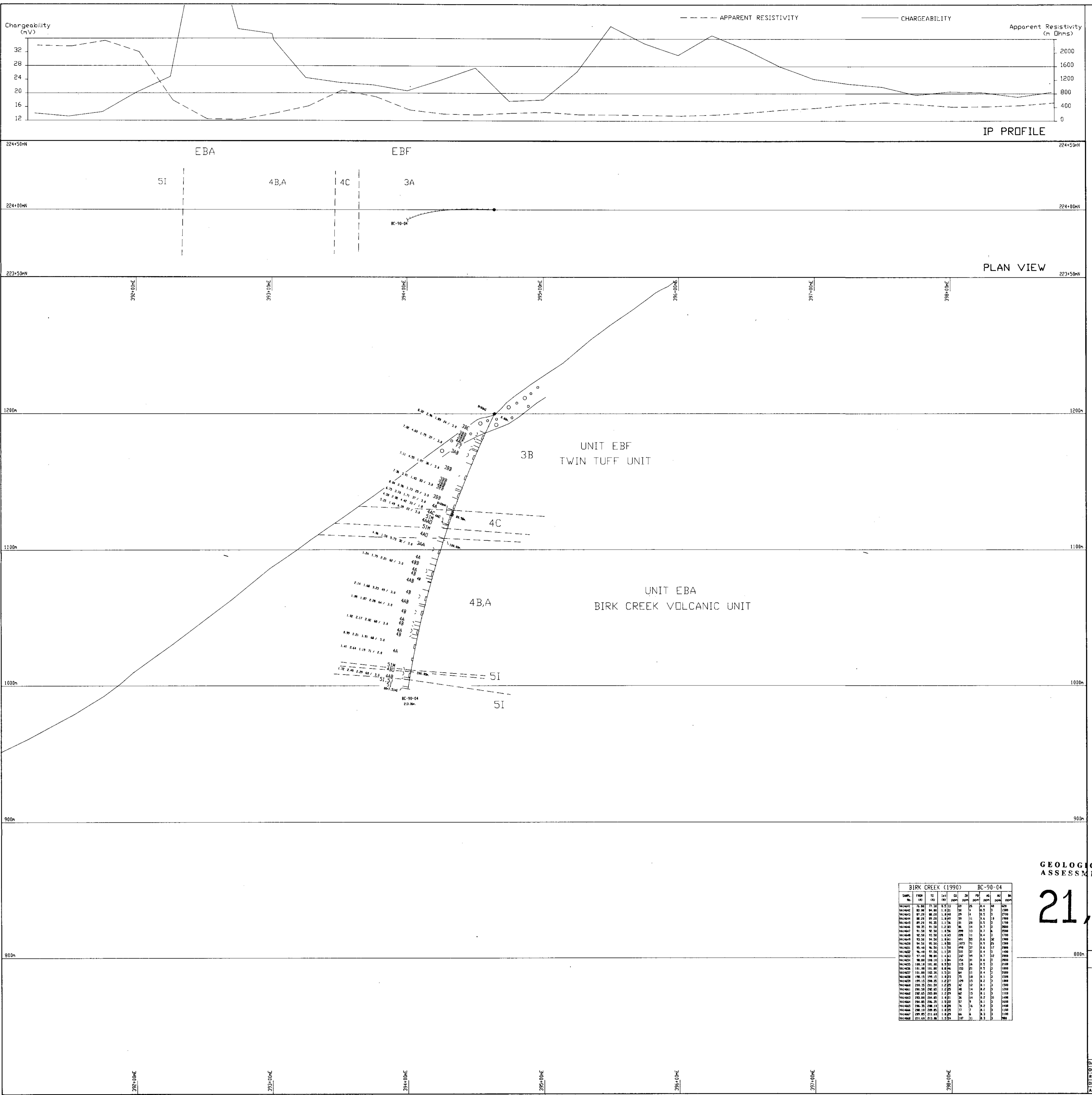
SECTION 227+90 NORTH

HOLES BC-90-02 NRD-86-21 NRD-87-3 NRD-87-8

LOOKING 325

DATE OF WORK: OCTOBER 1990		CLAIMS: BLUFF 1		
ORIGINAL BY:	ADM	DATE: SEP 1990	PROJECT NUMBER: 146	FIGURE NO:
REVISED BY:		DATE:		
DRAWN BY:	CPW	DATE: 02-JAN-91	N.T.S. NO.: 82M/05W	18
APPROVED BY:		DATE:	MAP #: 147-5-0042	





LEGEND

EAGLE BAY STRATIGRAPHY

BP Phyllite
BF Intermediate Volcanics
BA Felsic to Intermediate Volcan

MAJOR ROCK UNITS

- | | |
|----|-------------------------|
| 10 | Late Mafic Intrusions |
| 9 | Felsic Intrusions |
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| 6 | Ultramafic Intrusions |
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| 4 | Felsic Volcanics |
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PLAN VIEW

The second letter indicates the type of rock; if omitted a dash should be inserted if a third letter is used.

A	Tuff	K	Wacke
B	Lapilli Tuff	L	Conglomerate
C	Tuff Breccia	M	Chert
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The third and fourth letters are placed in alphabetical order; they are optional and further define the rock.

A	Quartz Phyrig	K	Bedded
B	Feldspar Phyrig	L	Chloritic
C	Quartz-Feldspar Phyrig	M	Graphitic
D	Mafic Phyrig	N	Calcareous
E	Mafic-Feldspar Phyrig	O	Argillaceous
F	Amygdaloidal	P	Siliceous/Cherty
G	Spherulitic	Q	Sheared
H	Variolitic	R	Massive
I	Leucocratic	S	Lithic
J	Melanocratic	T	Dolomitic

OTHER

ms Massive sulphides ss Stringer sulphides
 ls Laminated to ds Disseminated sulphides
 banded sulphides

u	Unconformity	py	Pyrite
FZ	Fault zone	cpy	Chalcopyrite
FB	Fault breccia	po	Pyrrhotite
CAS	Casing	sp	Sphalerite
qv	Quartz vein	ga	Galena

SYMBOLS

 Overburden
 Bedding
 Foliation
120/51
 Fault, attitude
 Fracture
 Stratigraphic top
 Fold axis
 Geological contact (inferred)
 Visual estimate of sulphide content


1.5% PY

Geophysics

— IP Chargeability
— Apparent Resistivity

Geochemistry

Cu	Zn	Pb	Ag	Au	Ba	Interval
ppm	ppm	ppm	ppm	ppb	ppm	/ m
1437	3512	1855	3.3	86	1244	/ 1.8
Weighted Average						

ENT REPORT part 4
208 of 4

 FALCONBRIDGE. LIMITED
BIRK CREEK PROJECT
Barriere, British Columbia
Cominco (Bet) Option

SECTION 224+00 NORTH

HOLE BC-90-04

LOOKING 325°

OCTOBER 1990		CLAIMS: BET 2	
ADM	DATE: SEP 1990	PROJECT NUMBER: 147	FIGURE NO:
	DATE:		
CPW	DATE: 27-DEC-1990	N.T.S. NO.: 82M/05W MAP #: 147-5-0036	21
	DATE:		

LEGEND

EAGLE BAY STRATIGRAPHY

EBP Phyllite
 EBF Intermediate Volcanics
 EBA Felsic to Intermediate Volcanics

MAJOR ROCK UNITS

- [10] Late Mafic Intrusions
- [9] Felsic Intrusions
- [8] Intermediate Intrusions
- [7] Mafic Intrusions
- [6] Ultramafic Intrusions
- [5] Sediments
- [4] Felsic Volcanics
- [3] Intermediate Volcanics
- [2] Mafic Volcanics
- [1] Ultramafic Volcanics

ROCK UNIT LETTER QUALIFIERS

The second letter indicates the type of rock; if omitted a dash should be inserted if a third letter is used.

A	Tuff	K	Wacke
B	Lapilli Tuff	L	Conglomerate
C	Tuff Breccia	M	Chert
D	Massive Flow	N	Iron Formation
E	Pillowd Flow	O	Limestone
F	Flow Breccia	P	Exhalite/Sulphides
G	Flow Breccia	Q	Tuffaceous Sediments
H	Intrusive	R	Fine Grained
I	Argillite	S	Medium Grained
J	Siltstone	T	Coarse Grained

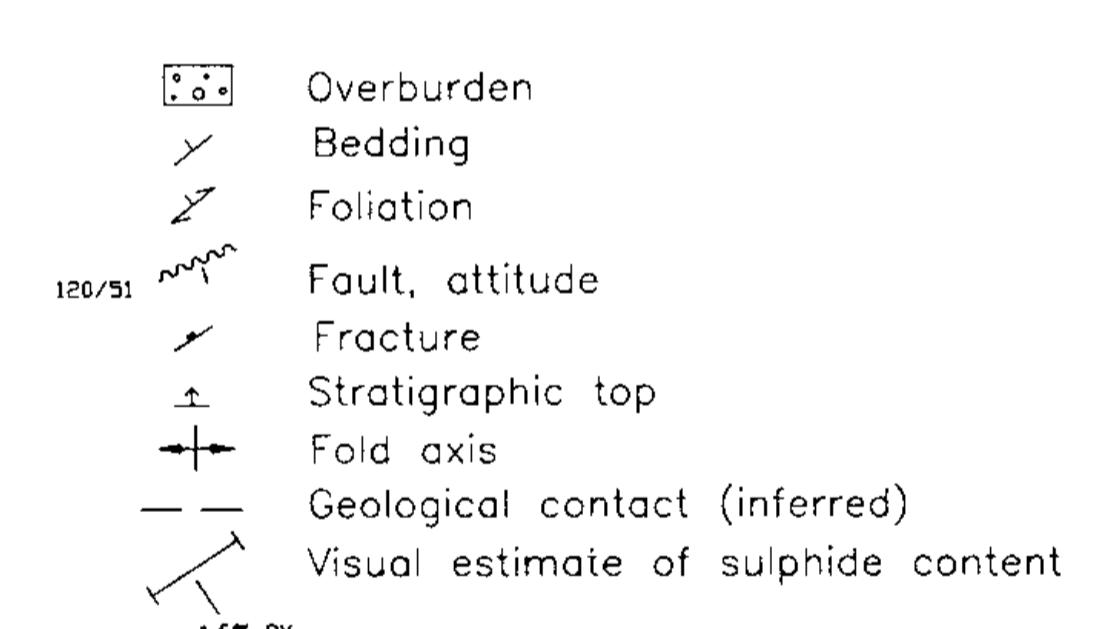
The third and fourth letters are placed in alphabetical order; they are optional and further define the rock.

A	Quartz Phryic	K	Bedded
B	Feldspar Phryic	L	Chloritic
C	Quartz-Feldspar Phryic	M	Graphic
D	Mafic Phryic	N	Calcareous
E	Mafic-Feldspar Phryic	O	Argillaceous
F	Amygduoidal	P	Siliceous/Cherty
G	Spherulitic	Q	Sheared
H	Variolitic	R	Massive
I	Leucocratic	S	Lithic
J	Melanocratic	T	Dolomitic

OTHER

ms	Massive sulphides	ss	Stringer sulphides
ls	Laminated to banded sulphides	ds	Disseminated sulphides
u	Unconformity	py	Pyrite
FZ	Fault zone	cphy	Chalcopyrite
FB	Fault breccia	po	Pyrrhotite
CAS	Casing	sp	Sphalerite
QV	Quartz vein	ga	Galena

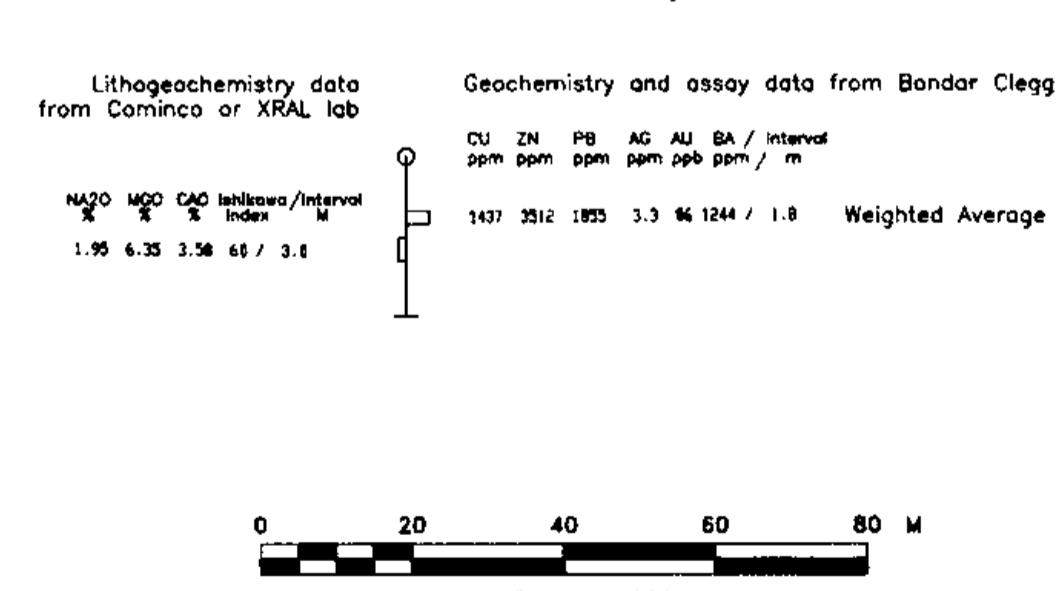
SYMBOLS



Geophysics

- IP Chargeability
- - - Apparent Resistivity

Geochemistry



FALCONBRIDGE LIMITED

BIRK CREEK PROJECT

Barriere, British Columbia

Cominco (Bet) Option

SECTION 207+07 NORTH

HOLES BC90-08, P82-01A

LOOKING 325°

21,200 ft
Part 4
of 4

GEOLOGICAL BRANCH
ASSESSMENT DEPARTMENT

DATE OF WORK:	SEPT 1990	CLAS: BET 3	
ORIGINAL BY:	CR	DATE: NOV 1990	PROJECT NUMBER: 147
REVISED BY:		DATE:	
DRAWN BY:	CPW	DATE: 21-DEC-90	N.T.S. NO.: B2M/05W
APPROVED BY:		DATE:	MAP #: 147-5-0033

LEGEND

EAGLE BAY STRATIGRAPHY

EBP Phyllite
 EBF Intermediate Volcanics
 EBA Felsic to Intermediate Volcanics

MAJOR ROCK UNITS

10	Late Mafic Intrusions
9	Felsic Intrusions
8	Intermediate Intrusions
7	Mafic Intrusions
6	Ultramafic Intrusions
5	Sediments
4	Felsic Volcanics
3	Intermediate Volcanics
2	Mafic Volcanics
1	Ultramafic Volcanics

ROCK UNIT LETTER QUALIFIERS

The second letter indicates the type of rock; if omitted a dash should be inserted if a third letter is used.

A Tuff	K Wacke
B Lapilli Tuff	L Conglomerate
C Tuff Breccia	M Chert
D Massive Flow	N Iron Formation
E Pillowed Flow	O Limestone
F Flow Breccia	P Exhalite/Sulphides
G Pillow Breccia	Q Tuffaceous Sediments
H Intrusive	R Fine Grained
I Argillite	S Medium Grained
J Metavolcanic	T Coarse Grained

The third and fourth letters are placed in alphabetical order; they are optional and further define the rock.

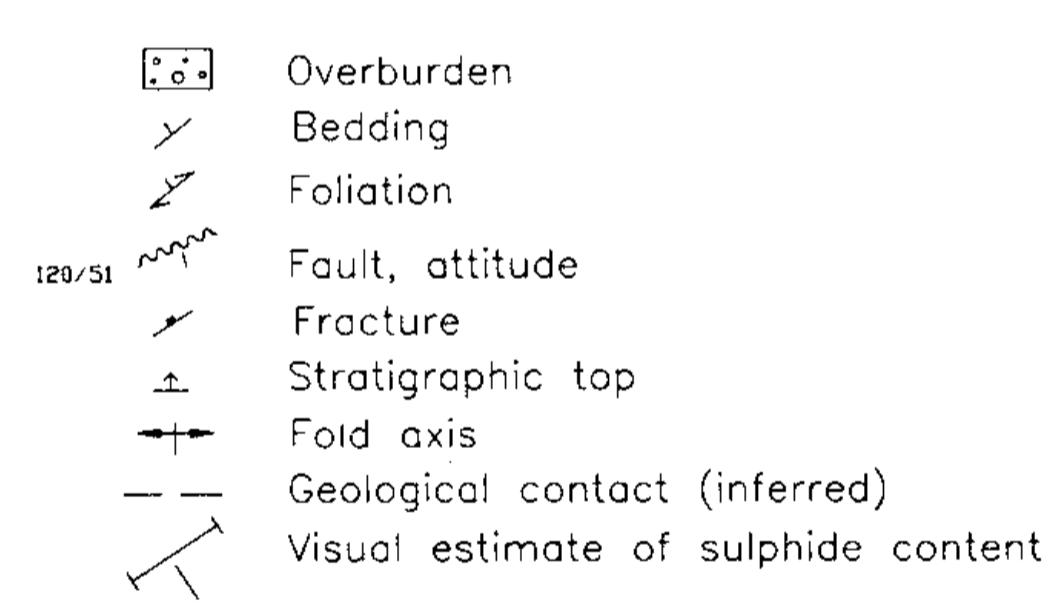
A Quartz Phryic	K Bedded
B Feldspar Phryic	L Chloritic
C Quartz-Feldspar Phryic	M Graphitic
D Mafic Phryic	N Calcareous
E Mafic-Feldspar Phryic	O Argillaceous
F Amygdoloidal	P Siliceous/Cherty
G Spherulitic	Q Sheared
H Variolitic	R Massive
I Leucocratic	S Lithic
J Melanocratic	T Dolomitic

OTHER

ms Massive sulphides ss Stringer sulphides
 ls Laminated to ds Disseminated sulphides
 bonded sulphides

u Unconformity py Pyrite
 FZ Fault zone cpy Chalcopyrite
 FB Fault breccia po Pyrrhotite
 CAS Casing sp Sphalerite
 QV Quartz vein go Galena

SYMBOLS



Geophysics

— IP Chargeability
 - - - Apparent Resistivity

Geochemistry

Lithogeochemistry data from Cominco and Bondar Clegg

Sample No.	Zn	Pb	Ag	Au	BA	Interval
BC-90-07	147	252	187	3.2	86	1244 / 1.8
BC-90-07	1.95	6.35	6.87	3.0		Weighted Average

Geochimistry and assay data from Bondar Clegg

Cu Zn Pb Ag Au Ba Interval
 147 252 187 3.2 86 1244 / 1.8
 1.95 6.35 6.87 3.0

Part 4 of 4

21,208

0 20 40 60 80 m

SCALE 1 : 1,000

FALCONBRIDGE LIMITED

BIRK CREEK PROJECT

Barriere, British Columbia

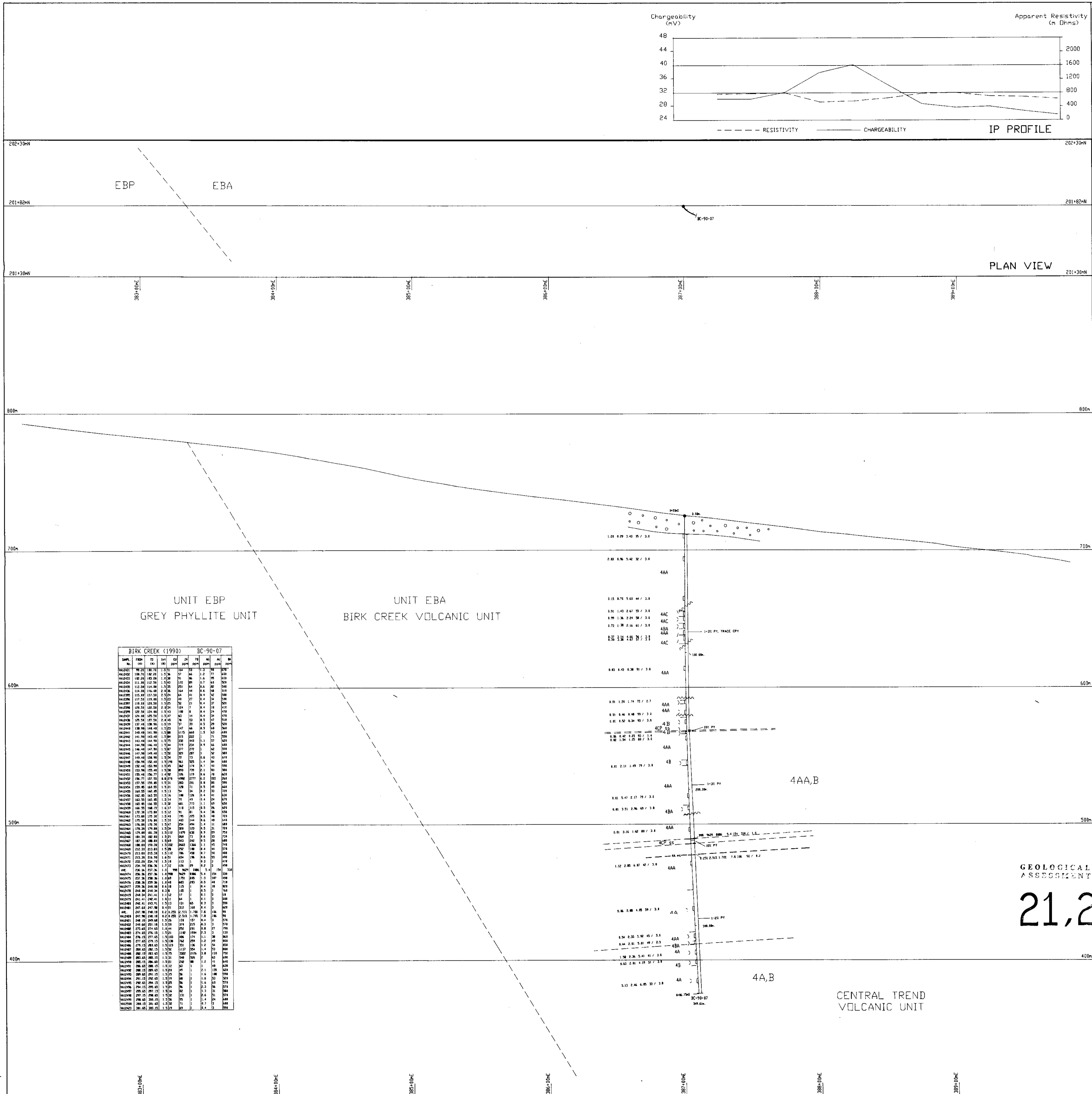
Cominco (Bet) Option

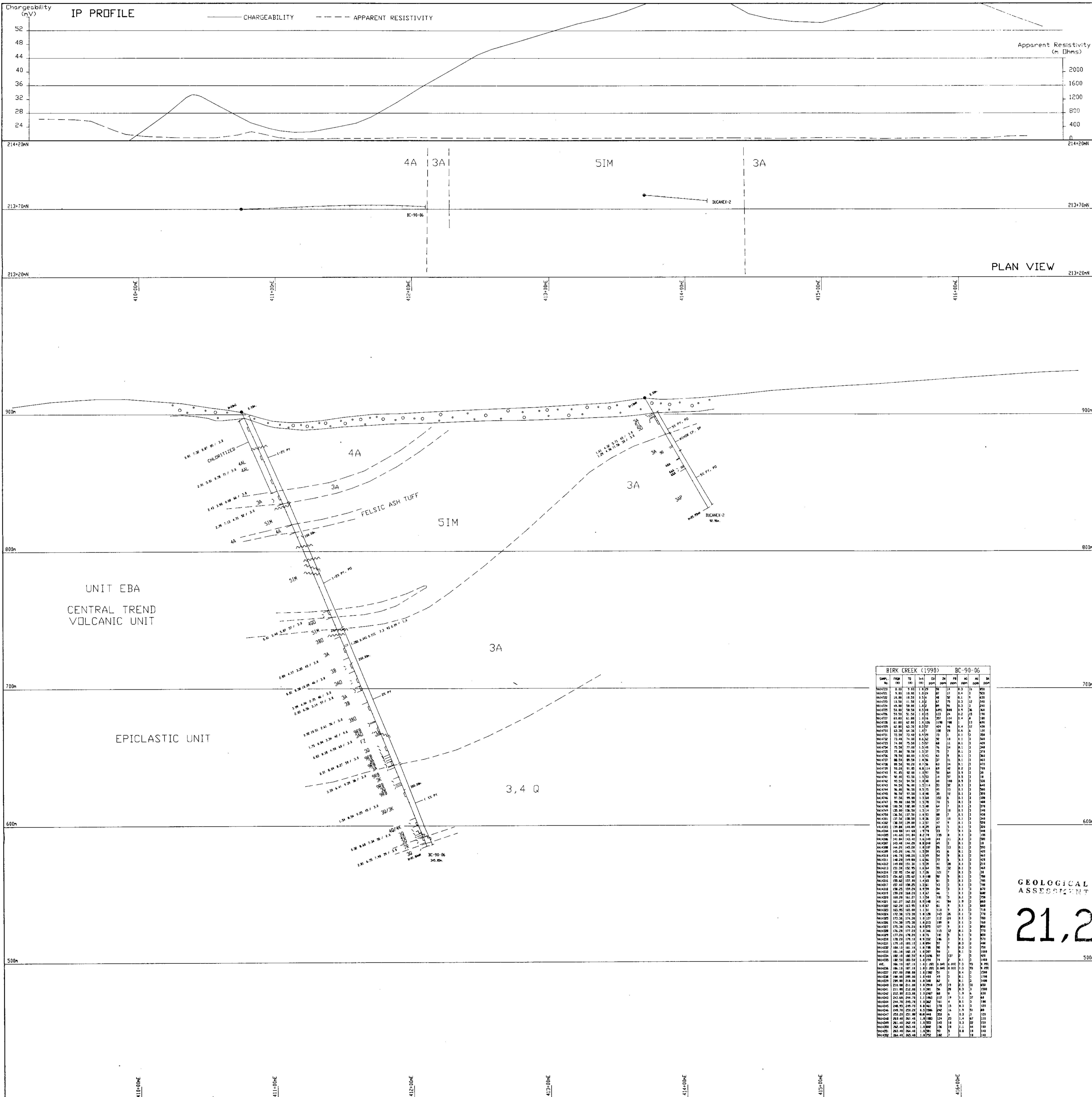
SECTION 201+82 NORTH

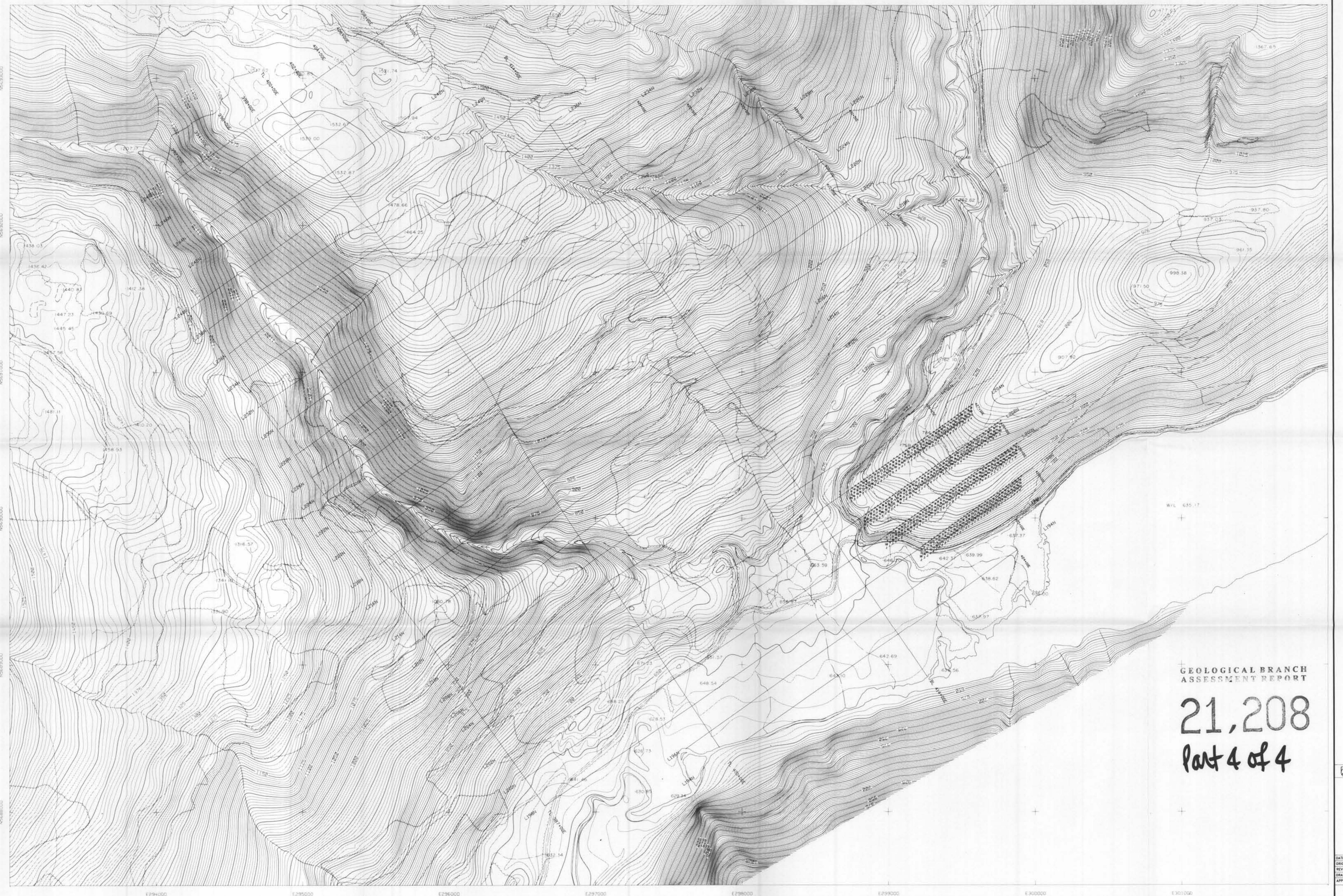
HOLE BC90-07

LOOKING 325°

DATE OF WORK: OCTOBER 1990 CLAIMS: BET 5
 ORIGINAL BY: CR DATE: NOV. 1990 PROJECT NUMBER: 147 FIGURE NO:
 REVISED BY: DATE:
 DRAWN BY: CPW DATE: 21-DEC-90 N.T.S. NO.: 82M/OSW
 APPROVED BY: DATE: MAP #: 147-5-0032
 23







A small black compass rose icon, indicating the direction of North.

LEGEND

- +
 18 Cu (ppm)
 15 Pb (ppm)
 28 Zn (ppm)
 .7 Ag (ppm)

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,208
Part 4 of 4

SCALE 1: 10 000

CONBRIDGE LIMITED
K CREEK PROJECT
Barriere, British Columbia
Conbridge Resources Option

SOIL GEOCHEMISTRY

1990 SAMPLES

TYPE OF WORK: SUMMER 1990	CLAIMS: BLUFF, PERCY	
SIGNAL BY: ADM	DATE: NOV 1990	PROJECT NUMBER: 146
USED BY:	DATE:	FIGURE NO: 28
OWN BY: GF & CPW	DATE: 19-DEC-1990	
ROVED BY:	DATE:	
		N.T.S. NO.: 82M/05W
		MAP #: 147-3-0027