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REPORT ON
TRENCHING, MAPPING AND SAMPLING
ON THE
SWIFT AND GUS CLAIMS

NELSON MINING DIVISION
NTS 82F/3W
117°W 40°08'N

by
E. Bakker, M.Sc.

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GEOLOGICAL BRANCH
ASSESSMENT REPORT

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November, 1987

Vancouver, B.C.

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SUMMARY

This report describes a backhoe trenching, mapping and sampling program completed on the Swift, Gus and Ace in the Hole claims by Falconbridge Limited in 1987. The claims are located approximately 10 km southwest of Salmo, B.C. in the Nelson Mining District NTS 82F/3W. Previous work identified pyrite, chalcopyrite, sphalerite, galena, and gold and silver values in association with quartz veining in altered mafic volcanoclastics of the Elise Formation, a part of the Rossland Group. I.P., VLF and Magnetometer surveys and soil samples collected along cut lines, had indicated various geophysical and geochemical anomalies.

Thirty one trenches totalling 1730 m were excavated, mapped and sampled between May 25 and June 20, 1987. Two areas, a total of 0.5 km², were mapped in detail (1:1000). 435 rock samples were collected from trenches and analysed for Au and Ag, 17 element whole rock and Cu, Zn and Pb.

The objectives of the work program were to test coincident geophysical and geochemical anomalies and to gain an understanding of the relationship between alteration and mineralization.

The trench mapping and sampling results are shown on 1:200 to 1:100 scale maps. A correlation between high gold values in trenches, and geochemical anomalies is apparent. Two areas of higher gold values warrant further exploration.

CONCLUSIONS

Alteration of mafic volcanoclastics (ash, crystal, and lapilli tuffs) is subdivided into three groups:

1. limonitization (erratic alteration caused by surficial effects),
2. propylitization (weak regional pervasive) and,
3. a combination of silicification, quartz (-carbonate) veining, carbonatization and argillic alteration with minor hematization and sericitization.

Mapping showed type 3 as being mainly confined to irregular zones in an area northeast of Lines 18N and 10W.

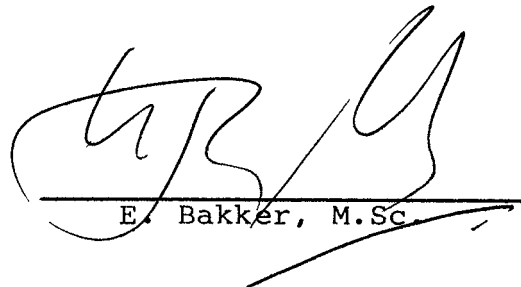
Trenching of coincident major geophysical and geochemical anomalies showed a correlation between the highest gold values and geochemical anomalies. Gold values over 1000 ppb occur in variably altered rocks, but the highest values are associated with quartz or quartz-carbonate veins. These veins are scarce and usually only a few cm thick. Significant values are given on p. 17.

1987 fill-in soil geochemistry correlates with trends established in the 1980 program.

RECOMMENDATIONS

Additional work is required to evaluate the gold potential in two locations on the property, and should consist of the following:

1. Resampling and detailed inspection of part of trenches 21 and 19.
2. Diamond drilling of the mineralized areas at trenches 21 and 19.



E. Bakker, M.Sc.

INTRODUCTION

Location, Access, Physiography

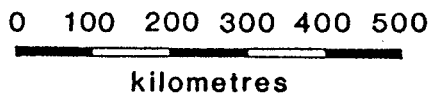
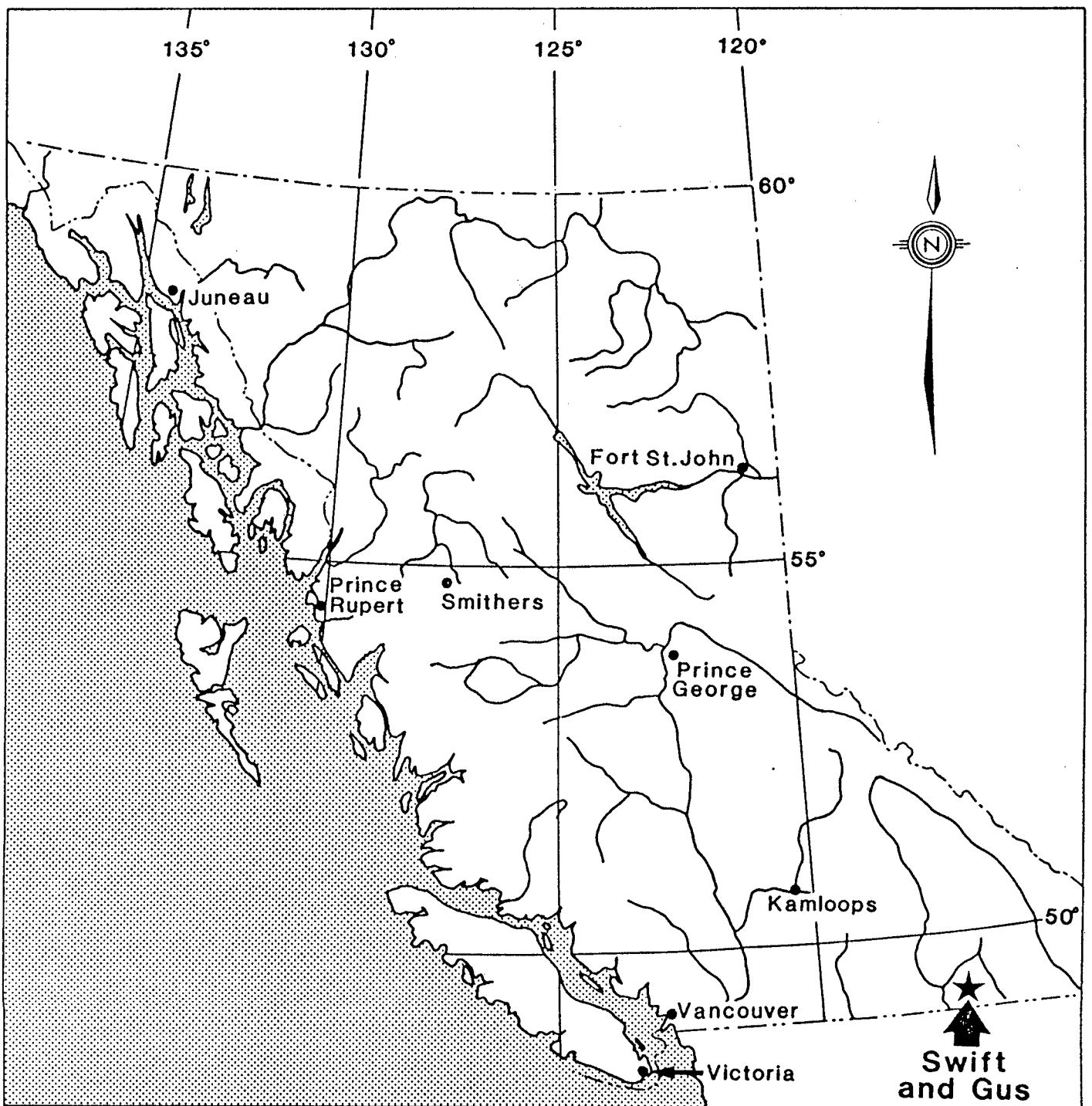
The Swift, Gus and Ace-in-the-Hole claims are located in the Nelson Mining District, NTS 82F/3W, approximately 10 km south-southwest of Salmo, BC. (Figures 1 and 2). The claims may be reached via a good logging road which joins Highway 3 and 6, two km south of Salmo. An extensive system of logging roads provides good access to various parts of the property.

The project area covers a southeast facing slope which is drained by Swift creek. Elevations range from 1770 m in the north, to approximately 1220 m at the southeast boundary of the claims. Relief is generally moderate with few precipitous slopes.

Forest cover consists of spruce, balsam, and alder. Much of the area south of BL 18+00N has been logged in recent years creating slash and increased growth of alder thickets. Approximately 50% of the claims are slash covered. Outcrop is scarce except on ridges, where bedrock is well exposed.

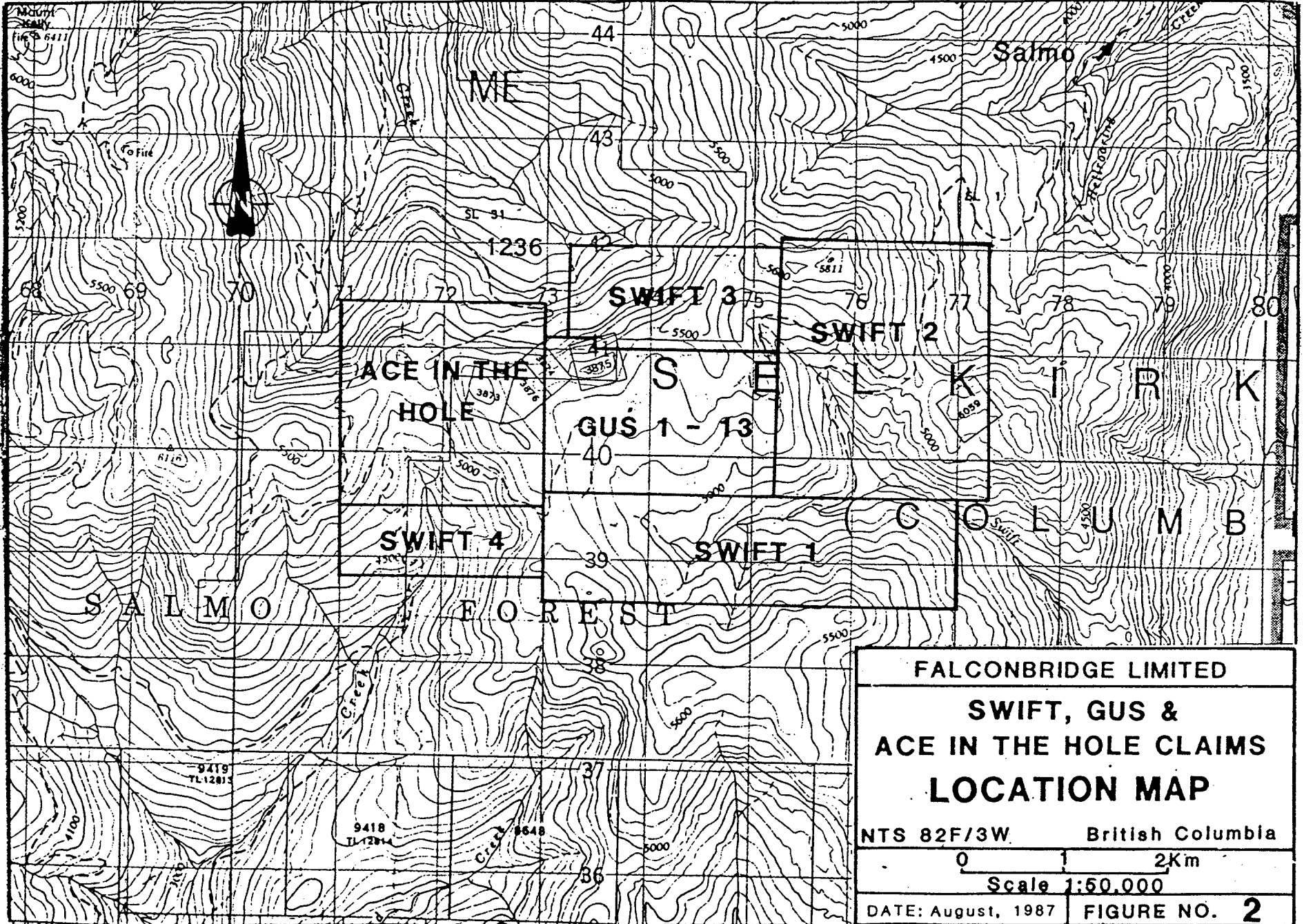
A thin mantle of glacial till occurs at lower elevations, particularly in the valleys occupied by the tributaries of Swift creek. Regionally, the direction of ice movement was southerly, locally modified by major topographic features.

Soil development in the survey area ranges from regosol, which is normally found above 1500 m, to a moderately well developed podzol at lower elevations. Organic-rich material occurs in low lying areas and near the major tributaries of Swift creek.



Falconbridge Limited
GENERAL LOCATION MAP Swift and Gus Claims Nelson Mining Division British Columbia NTS: 82F/03 W

Figure 1



Land Status

The Swift 1-6 Modified Grid claims total 61 units and are owned by Falconbridge Limited. The Gus 1-13 claims consist of 12 two-post claims and 1 Modified Grid claim of 3 units. Kidd Creek Mines, a wholly owned subsidiary of Falconbridge Limited, is the registered owner of the Gus claims, subject to fulfilling terms of an option agreement. Claim data are listed below.

TABLE 1 CLAIM STATUS

Name	Record No.	Units	Expiry Date
Swift 1	3874	16	Sept 7/91
Swift 2	3875	20	Sept 7/93
Swift 3	3876	8	Sept 7/93
Swift 4	3877	8	Sept 7/91
Swift 5	4313	1	Feb 26/92
Swift 6	4314	8	Feb 26/92
Swift 7	4879	2	Oct 14/88
Swift 8	4880	2	Oct 15/88
Gus 1	2847	1	Oct 20/95
Gus 2	2848	1	Oct 20/95
Gus 3	2849	1	Oct 20/95
Gus 4	2850	1	Oct 20/95
Gus 5	3562	3	Oct 25/95
Gus 6	3573	1	Nov 16/96
Gus 7	3574	1	Nov 16/95
Gus 8	3575	1	Nov 16/95
Gus 9	3576	1	Nov 16/95
Gus 10	3577	1	Nov 16/95
Gus 11	3578	1	Nov 16/95
Gus 12	3579	1	Nov 16/95
Gus 13	3580	1	Nov 16/95

Property History

A number of collapsed pits and trenches are evidence of early attempts to investigate the gold potential of quartz veins in the Rossland Volcanics during the search for mineralization similar to that found in the Rossland Camp. More recent work carried out by Falconbridge Limited in 1984 and 1985 on the Swift and Gus claims includes 1:10,000 scale mapping, limited VLF and Magnetometer surveys, and rock geochemistry. Additional IP, VLF, MAG and soil surveys were carried out in 1986 on the claims. The Katie claims, adjoining the Swift 2 claim to the north, were explored by Amoco who outlined a copper anomaly in soils (Assessment Report #8258). In addition, work was carried out 2 km to the west of the Swift claims by Billiton, and by Noranda immediately to the south and east.

1987 Work Program

A trenching, sampling and mapping program was conducted on the Swift 1 to 6 and Gus 1 to 3 claims near Salmo, B.C. in the period May 25 to June 19, 1987.

The purpose of the program was to investigate in detail coincident alteration zones, gold and silver anomalies, and geophysical anomalies.

Thirty-one trench locations were chosen across chargeability, VLF and geochemical anomalies, and in areas with altered exposed rock, (Figure 4). Trenches in these locations were dug with a JD 450-C backhoe. Lengths ranged from 14 to 178 m and totalled 1730 m. Depths ranged from surface to 6 m. A D4-H Cat was used to construct access to some trench locations. Rocks exposed

in the trenches were mapped at 1:200 and were sampled if warranted (Figures 6.1 to 6.31). A number of low priority target areas on Swift 1 and 4, with chargeability and VLF anomalies were not trenched because of accessibility problems.

A total of 348 channel samples were taken using a standard 2 m sample interval, occasionally sample intervals were less than 2 m. In addition, 7 soil samples and 80 grab samples were taken for Au and Ag, Whole Rock Analysis, or Cu, Zn, Pb, Au and Ag analysis (Appendix 2). The whole rock samples were taken to obtain information on variations in alteration. Seven trenches were not sampled; in five, no bedrock was reached; in two, rocks were not considered of interest.

Additional mapping was carried out at 1:1000 in the area with most of the trenches, and an area to the east with gold anomalies and altered, exposed rocks (Figure 5a, b). Additional mapping was done at 1:5000 on Lines 20+00W to 26+00W (Figure 4).

K. Murray and Associates expanded the 1986 Au-Ag soil survey program with a 2-man crew in the period May 19-22, 1987. A total of 144 in-fill samples were taken on 8 lines which had been cut and sampled in 1986. A new line (6+00E) was established and 35 samples were taken (Figure 7a, b).

GEOLOGY

Regional Geology

The project area is underlain by rocks of the Rossland Group which have been subdivided by Little and Frebold (1962) into three formations (Figure 3). From oldest to youngest these are: the Archibald, Elise, and Hall Formations. The currently accepted age of the Rossland Group is based on shallow water ammonites of lower to middle Jurassic age.

Rocks characteristic of the Archibald Formation are hard, brittle, dark grey to black argillaceous siltstones and arenaceous argillites. The beds are distinctly laminated and graded bedding is common. These lithologies occur immediately west of the project area.

The Elise Formation, which underlies the majority of the property, is defined as predominantly mafic volcanics of basaltic composition. Flow breccia, massive flows, agglomerate, tuff, and sill-like intrusives (augite porphyry) are most prevalent. A minor amount of laminated, tuffaceous siltstone and shale occurs as interbeds.

The Hall Formation is characterized by carbonaceous argillites and argillaceous quartzites. Road cuts northeast of the property along the access road and on Highways 3 and 6, exhibit good exposures of carbonaceous, pyritic, argillites.

The Rossland Group is intruded by Nelson Plutonics of Cretaceous age, which range in composition from granite to quartz diorite. A number of younger gabbro to syenite dikes and stocks are present, which indicate more recent intrusive activity.

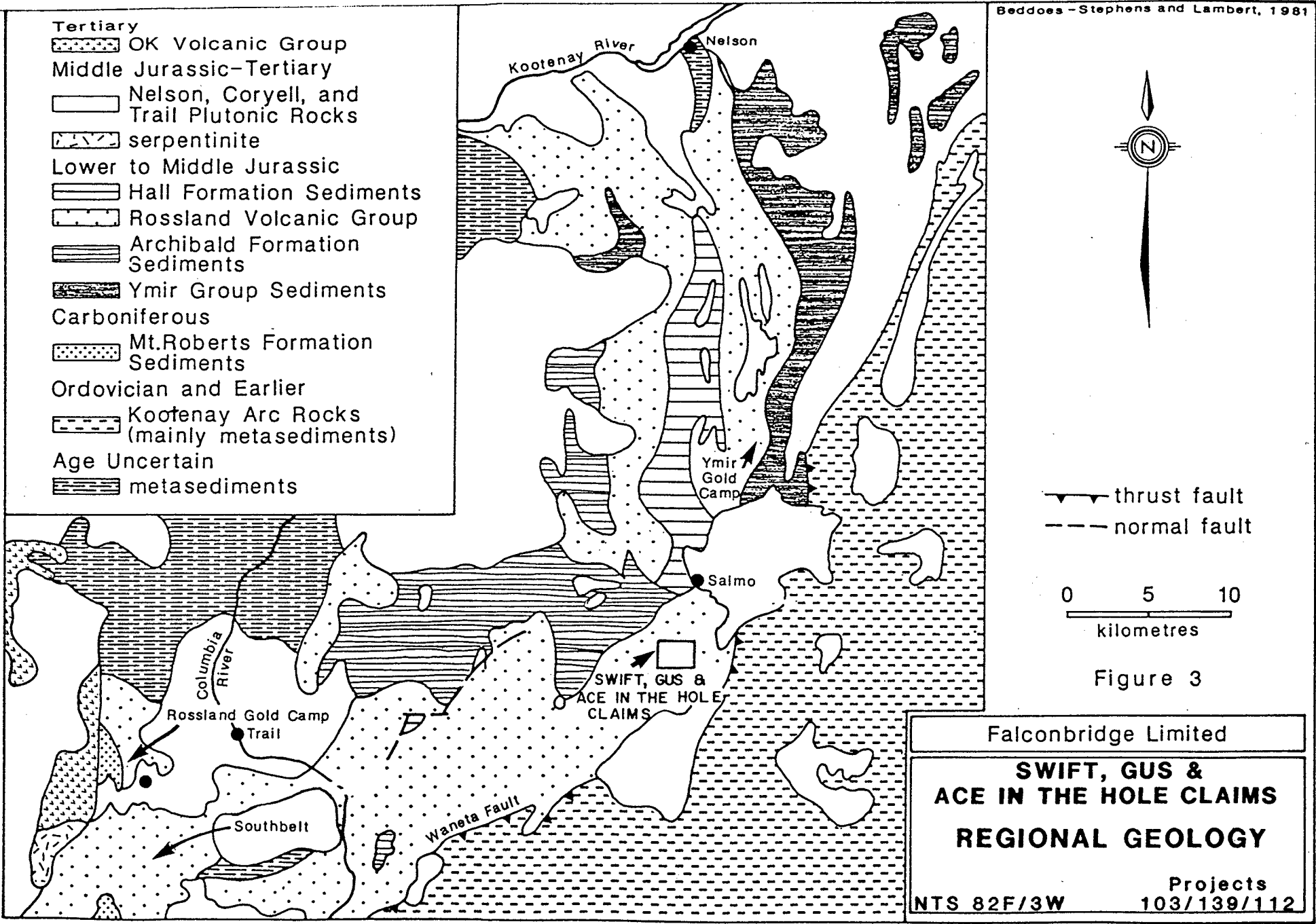


Figure 3

Falconbridge Limited

SWIFT, GUS & ACE IN THE HOLE CLAIMS

REGIONAL GEOLOGY

Projects
 NTS 82F/3W 103/139/112

Property Geology

Property geology is shown in Figure 4 at a scale of 1:5,000. Details of the geology are shown on Figures 5a and b (1:1,000) and 6.1 to 6.31 (1:200). The project-area is primarily underlain by a sequence of mafic volcanic and volcanoclastic rocks of basaltic composition which form part of the lower Jurassic Elise Formation. Two predominant lithologies are exposed. The first, and possibly lowest in the stratigraphic section, is a lapilli to block size, mono- to heterolithic, poorly sorted, subangular block and ash unit, agglomerate, and/or debris flows. Fragments are often framework-supported. The second, is a crystal tuff characterized by abundant, broken, randomly oriented augite crystals in a fine-grained matrix. A variation of this facies consists of plagioclase-dominant tuff. In areas of poor exposure, these porphyritic tuff units are difficult to distinguish from augite or feldspar porphyry intrusive sills. Rocks without any porphyritic or other textures are assumed to be ash tuffs.

Fine-grained, laminated pyritic ash, siltstone, and minor chert outcrop in the southeastern portion of the Ace-in-the-Hole claim. Argillite is exposed to the north. Minor pyritic and carbonaceous black argillite occurs in the southeastern portion of Swift 2.

Intrusive rocks consist of a large body of Nelson granodiorite to granite which outcrops in the southeast corner of the property, and numerous dikes ranging from gabbro to syenitic composition. These latter dikes appear to postdate the Nelson intrusives and may be Tertiary in age. Parts of a larger syenite body (with dikes) are exposed between Lines 6 and 7 W from 19+60 to

22+50 N (Figure 5a). The syenite is characterized by coarse to very coarse orthoclase phenocrysts. Lamprophyre dikes exposed in several trenches are fine-grained, dark, and contain pyroxene and biotite phenocrysts. The lamprophyre is usually very friable and decomposed. A small body of rhyolite is exposed on the Ace-in-the-Hole claim. Regional metamorphic grade is lower greenschist; chlorite and epidote are common. In general, rocks are remarkably unaltered and relatively undeformed. The volcanics are believed to be deposited in a sub-aqueous environment because no evidence of oxidation was noted.

Alteration

Alteration in the volcanoclastics can be divided into three types:

1. propylitization
2. mixed carbonatization, argillic alteration, silicification and hematization
3. limonitization - (supergene/weathering)

Type 1. Propylitization: Mafic volcanics and intrusives have been affected to a variable degree by regional, pervasive propylitic alteration expressed by the development of pyrite, chlorite, carbonate, and minor epidote. The alteration is usually weakly developed, and seems to increase eastward where epidote is more common. Rocks are characteristically green in color, mafic phenocrysts and lapilli-sized clasts and fragments are preferentially altered.

Type 2. Mixed carbonatization, argillic alteration, and silicification: This alteration facies ranges in

intensity from weakly pervasive to strong locally, and is confined to zones and areas of variable size. Affected volcanoclastics typically have a bleached brownish-buff appearance. Carbonate occurs as clear calcite on fracture surfaces of relatively unaltered rocks (likely associated with propylitic alteration) and with quartz, and often with siderite in veins and disseminated in silicified rocks.

Many of the rocks exposed in the trenches have been affected by argillic alteration. This alteration can vary in intensity from trace to intense over a distance of a few metres. Argillic alteration is characterized by kaolinite after feldspar. Weak to moderately altered specimens still reveal original textures and compositions and are well indurated. Highly altered rocks generally have lost their original identifying characteristics, and typically are highly friable or fractured. Some of the clay alteration is thought to be at least partly, caused by ground-water effects.

Silicification zones and/or quartz veining are found in a few trenches, usually associated with carbonate alteration. Quartz veins are usually not more than a few cm wide, but range to 40 cm.

Type 3. Limonitization is most often developed in rocks which contain or are inferred to have contained mafic minerals or sulphides.

Limonitic, silicic and carbonate alteration appear to be fracture-controlled. Argillic and propylitic alteration are more pervasive in nature.

Mineralization

The content of disseminated pyrite in the propylitic altered volcanoclastics is usually less than 1%, but ranges occasionally to approximately 10%, rarely higher. Quartz and quartz-carbonate veins, veinlets and stringers are common in some of the alteration zones, quartz veinlets and stringers also occur in unaltered rocks, likely different generations of veins are present. Veins are weakly mineralized; most common is pyrite, accompanied by rare chalcopyrite. Surficial mineralization on the Swift and Gus claims is restricted to an area of pervasive carbonate alteration (ferroan dolomite, ankerite), sericite, and accompanying quartz-carbonate veinlets that occasionally contain blebs and disseminations of chalcopyrite, sphalerite, trace galena and hematite. This alteration zone is best exposed on Swift 3 and Gus 7, 12. The best mineralization occurs on Swift 3 where a small pit and several hand trenches expose mineralized quartz veins. Late felsic dikes (syenite) were noted in proximity of alteration in several areas. Several other sulphide showings occur in the area from 23+20N to 24+10N between Lines 6 and 10W (Figure 5a). Mafic volcanoclastics contain quartz veins and stringers or are silicified. Veins may contain chalcopyrite, malachite, pyrite and/or galena to a total of up to 10%. Specular hematite is frequently found as selvages on quartz veins or in fractures. Gold and silver values, however, are typically low. Some showings have been explored in the past, as is evidenced by small, collapsed pits. Quartz veins up to 4 cm thick were exposed in trench No 21, in a 2 m section of the trench. The veins

contain chalcopyrite, galena, pyrite and possibly sphalerite up to 5%. The 2 m sample interval covering this section and the adjoining trench samples (AD 3692-3694), assayed 0.68, 100.1 and 1.37 gram gold/ton. The gold-rich sample assayed 18 grams of silver/ton.

Significant gold and silver values were encountered in variably altered tuffs, silicified tuffs and quartz veins in trenches 2, 4, 6, 19, 21, 23, and 30. Parts of trenches 19 and 21 appear to be most promising for the discovery of sub surface gold mineralization.

GEOCHEMISTRY

Soil Geochemistry

A total of 144 soil samples were collected from the B horizon at 40 m intervals along grid lines which are spaced at 200 m (Lines 4E to 10W between 18+20N and 25+00N). These locations were intermediate to locations sampled in the 1986 program. A total of 35 soil samples were collected at 20 m intervals along a new line (Line 6E from 18+20N and 25+00N). Sample collection was by means of shovels used to dig holes to a depth of 10 to 30 cm. A soil profile, consisting of seven samples was collected in Trench 11. All samples were placed in a standard Kraft paper envelope and marked with the grid coordinate. Sample descriptions were recorded on a computer coded card for future data storage and statistical manipulation.

Analytical Procedure

All samples were sent to Bondar-Clegg & Company Ltd., 130 Pemberton Ave, North Vancouver, to be analysed for Au and Ag. Standard sample prep procedures were employed, which consisted of drying and sieving to -80 mesh. For Au a 20 gram sample of the pulps was analysed by standard fire assay prep and neutron activation finish. For Ag a 0.5 gram sample was dissolved in hot HCl-HNO₃ and analysed by atomic absorption analysis. Analytical results are tabulated in Appendix 2. Au and Ag values were plotted, together with those of the 1986 survey at 1:5,000, and contoured (Figures 7a, b).

Results

Analytical results for soils, in the area 10W to 4E from 18+20N to 25+00W show a range of values from

<1 to 860 ppb gold (<1 to 1600 ppb Au in 1986 survey for same area). Silver values range from (<0.1 to 2.8 ppm, <0.1 to 5.7 ppm in previous survey). The new gold and silver values show the same trends as the 1986 survey values (Figures 7a, b). Analytical results and statistical parameters are presented in Appendices 2 and 3.

The Trench 11 profile samples gave the following results for gold:

Sample No.	ppb Au	Soil horizon
SA 21233	52	A (brown soil)
SA 21234	61	B (yellow till)
SA 21235	118	B (yellow till)
SA 21236	700	B (yellow till)
SA 21237	500	C (brown till)

A marked increase in gold content is evident with sample depth.

Rock Geochemistry

Trenches were dug with a backhoe to a maximum depth of 1.8 m and a width of 0.8 m. The trench floor was cleared of loose material, mapped, and sampled (Figures 6.1 to 6.31). A total of 348 channel samples were collected for Au and Ag analysis. Samples were collected, usually over a length of 2 m along the floor, occasionally over shorter or longer intervals. In addition, 80 grab samples were taken as follows: 37 for Au and Ag analysis (12 from trenches), 37 for whole rock analysis, of which 2 included gold (28 from trenches) and 6 for Cu, Zn, Pb, Ag and Au (3 from trenches). Samples were collected with the aid of hammer, moil, and chisel, and put in standard plastic bags. Sample sizes ranged from 1 to over 3 kg. Sample descriptions were recorded on a computer coded card for future data storage.

Analytical Procedures

Channel and grab samples for Au and Ag analysis were sent to Bondar-Clegg & Company of North Vancouver. The samples were crushed and pulverized to -150 mesh. Preconcentration of a 10 or 30 g pulp sample for Au was done by standard fire assay and of a 0.5 g sample for Ag by hot HNO_3 -HCl extraction. The analyses were finished by atomic absorption. Samples that returned over 1000 ppb Au were assayed. Whole Rock Analysis was performed by X-Ray Assay Laboratories Limited, 1885 Leslie Street, Don Mills, Ontario. Samples were crushed to 0.64 cm and pulverized with a chrome steel mill to -200 mesh (approximately 0.075 mm). For whole rock analysis, 1.3 g of the pulp was roasted and fused with lithium metaborate to produce a glass button, which was analysed by X-ray fluorescence. Preconcentration of a 20 g pulp sample for

Au was done by standard fire assay and of a 0.25 g sample for Cu, Zn, Pb and Ag by acid extraction. Both analyses were finished by DCP.

Results

Of the 394 samples analysed for gold, 77 (20%) have values over 100 ppb, 35 over 500 ppb and 16 over 1000 ppb. Values over 1000 ppb are localized in five trenches.

Trench No.	ppb Au	Interval	Comments
2	1270	0.10m	Adj. 2.0 m of 220 ppb
4	1270	2.0 m	
4	1050	2.0 m	
6	427(avg)	6.0 m	Incl. 4 cm qtz vn 6420 ppb
19	535(avg)	12.0 m	Incl. 2.0 m of 2020 ppb
19	865(avg)	14.0 m	Incl. 2.0 m of 2160 ppb
19	760(avg)	16.0 m	Incl. 2.0 m of 1650 ppb
21	100(ppm)	2.0 m	Adj. 2.0 m of 1010 ppb
21	8500	2.0 m	Adj. 2.0 m of 960 ppb
23	1430	6.0 m	Incl. 2.0 m of 2850 ppb
30	1750	2.0 m	Adj. grab 1650 ppb

A 2.0 m section in trench 21 above assayed 100.4 ppm Au (2.92 oz/ton). A quartz vein up to 0.4 m wide contains chalcopyrite, galena, pyrite and possibly sphalerite. Total sulphide content is estimated to be 10%. Several long sections in trench 19 returned significant gold values indicating highly anomalous gold content in altered mafic pyroclastics.

High silver values occasionally correspond with high gold values (5.2 ppm Ag and 6410 ppb Au in trench 6, 18.0 ppm Ag and 100.1 ppm Au in trench 21). Higher values which do not correspond to high gold values occur in trench 9, where an 8 m section averages 4.2 ppm

Ag (gold is 86 ppb) and a 2 m section has 3.6 ppm Ag (gold is 110 ppb). A grab sample with boxwork quartz veins near trench 23 returned 17.0 ppm Ag (440 ppb Au). Mineralized samples analysed for base metals have silver values from <0.5 to 18 ppm, Au values, however, are consistently low.

Six samples of base metal mineralization that were analysed for Cu, Zn, Pb, Ag, Au returned up to 3.3% Cu, 0.45 % Zn, 0.17% Pb, 18.0 ppm Ag and 95 ppb Au.

Discussion

High gold values were encountered in five trenches underlain by mafic volcanoclastics. The best values appear to be associated with quartz or quartz-carbonate veins/veinlets, or areas of silicification, argillic alteration or limonite development.

No significant gold values were noted between Line 2E and Line 6E, north of BL 18N, an area which contains several zones of pervasive carbonatization (ferroan dolomite) and weak, but widespread quartz veining.

The best gold values, located in trench 19 and 21, correspond to gold soil anomalies. Trenching of other significant gold soil anomalies e.g. trench 7, 8, 20 did not encounter good gold values in bedrock. Trenching of weak gold and/or geophysical anomalies likewise failed to locate interesting gold mineralization.

From results obtained to date, it is apparent that significant gold content is associated with quartz or quartz/carbonate veining, although moderate values were found in altered volcanoclastics lacking veins.

REFERENCES

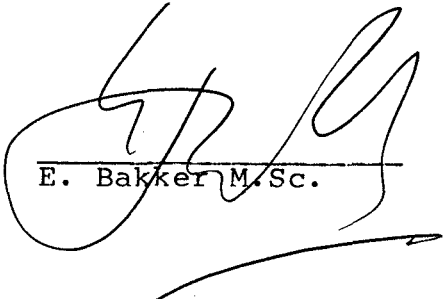
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STATEMENT OF QUALIFICATIONS

I, Ebo Bakker, do hereby declare that:

1. I am a graduate of Leiden University, Netherlands, with an honours B.Sc. in Geology, with Mathematics, Physics and Chemistry (1973) and a M.Sc. degree in Geology (1979).
2. I have practised my profession as a field, and exploration geologist continuously since 1973, in Sweden and Canada, U.S.A., and Latin America.
3. I carried out the work described in this report.

Dated at Vancouver, B.C. this 30 day of November, 1987.



E. Bakker M.Sc.

STATEMENT OF QUALIFICATIONS

I, Nils von Fersen, an employee of Falconbridge Limited, with offices at 701-1281 west Georgia St. Vancouver B.C., do hereby declare that:

1. I am a geologist; graduate of the University of British Columbia, Vancouver, B.C., in 1967 with a B.Sc. in Geology.
2. I have practised my profession as exploration geologist continuously since graduation, in Canada and the U.S.A.
3. I supervised the work described in the report.

Dated at Vancouver, B.C., this th day of December, 1987.


N. von Fersen B.Sc.

STATEMENT OF EXPENDITURE

SALARIES

E. Bakker, Project Geologist 9 days @ \$150/day	\$1,350.00
E. Grill, Assistant Geologist 10 days @ \$108/day	\$1,080.00
T. Sikora, Field Assistant 6 days @ \$72/day	\$ 432.00
N. von Fersen, Senior Project Geologist 2 days @ \$200/day	\$ 400.00
	<u>\$3,262.00</u>

ROOM AND BOARD 21 days @ \$35/man/day	\$ 735.00
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TRANSPORTATION

Truck rental, fuel, air fare	\$ 578.95
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TRENCHING

Backhoe 29.5 hr. @ \$55/hr.	\$1,622.50
Truck 2.0 hr. @ \$50/hr.	\$ 100.00
	<u>\$1,722.50</u>

GEOCHEMISTRY

Bondar Clegg & Co. 154 rock samples @ \$11.87	\$1,828.25
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SAMPLE SHIPPING	\$ 134.47
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REPORT	\$1,000.00
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TOTAL EXPENDITURE	<u>\$9,261.17</u>
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APPENDIX 1

Personnel

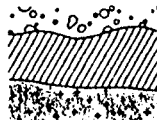
PROJECT PERSONNEL

1. E. Bakker MSc., Project Geologist
Term: June 1 - June 9, 1987
2. E. Grill BSc., Assistant Geologist
Term: June 1 - June 10, 1987
3. T. Sikora, Field Assistant
Term: May 30 - June 4, 1987
4. N. von Fersen BSc., Senior Project Geologist
Term: May 27, June 9, 1987

APPENDIX 2

Analytical Results

Bondar-Clegg & Company Ltd.
173 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667



BONDAR-CLEGG

**Geochemical
Lab Report**

REPORT: 127-3503 (COMPLETE)

REFERENCE INFO:

CLIENT: FALCONBRIDGE LIMITED

SUBMITTED BY: N. VON FERSEN

PROJECT: ~~105~~ 103

DATE PRINTED: 18-JUN-87

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold-Fire Assay/N.A.	179	1 PPB	FIRE-ASSAY	IND. NEUTRON ACTIV.
2	Ag	Silver	179	0.1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption

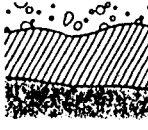
SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOILS	179	1 -80	179	DRY, SEIVE -80	179

REMARKS: ERRATIC GOLD RESULTS NOTED:

REPEATS WERE 10ppb FOR SAMPLE 600W 2460N
860ppb FOR 400E 2020N, 20 FOR 600E 2120N,
<5ppb FOR 600E 2360N AND 600E 2400N.

REPORT COPIES TO: MR. N. VON FERSEN

INVOICE TO: MR. N. VON FERSEN

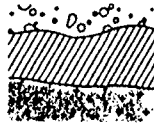


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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM
S1 800W 2500N		11	0.4				
S1 1000W 1820N		2	0.8				
S1 1000W 1860N		3	0.9				
S1 1000W 1900N		7	0.8				
S1 1000W 1940N		25	0.8				
S1 1000W 1980N		9	1.4				
S1 1000W 2020N		6	0.9				
S1 1000W 2060N		4	1.6				
S1 1000W 2100N		3	1.8				
S1 1000W 2140N		3	1.8				
S1 1000W 2180N		4	1.3				
S1 1000W 2220N		11	0.5				
S1 1000W 2260N		87	0.4				
S1 1000W 2300N		59	0.6				
S1 1000W 2340N		374	0.2				
S1 1000W 2380N		5	0.1				
S1 1000W 2420N		2	<0.1				
S1 1000W 2460N		3	<0.1				
S1 1000W 2500N		5	<0.1				

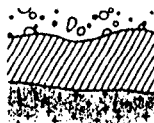


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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM
S1 400W 2140N		29	0.7	S1 L600E 2420N		28	0.2
S1 400W 2180N		148	1.2	S1 L600E 2440N		2	0.3
S1 400W 2220N		45	1.2	S1 L600E 2460N		18	0.5
S1 400W 2260N		10	0.3	S1 L600E 2480N		4	0.6
S1 400W 2300N		20	0.5	S1 L600E 2500N		30	0.6
S1 400W 2340N		5	0.2	S1 600W 1820N		7	0.3
S1 400W 2380N		22	0.2	S1 600W 1860N		32	0.4
S1 400W 2420N		7	0.3	S1 600W 1900N		29	1.0
S1 400W 2460N		12	0.3	S1 600W 1940N		5	0.8
S1 400W 2500N		5	0.3	S1 600W 1980N		3	0.2
S1 L600E 1820N		1	0.2	S1 600W 2020N		9	0.7
S1 L600E 1840N		<1	0.1	S1 600W 2060N		11	0.5
S1 L600E 1860N		3	0.2	S1 600W 2100N		8	0.8
S1 L600E 1880N		7	0.2	S1 600W 2140N		10	0.3
S1 L600E 1900N		1	<0.1	S1 600W 2180N		10	0.1
S1 L600E 1920N		4	0.5	S1 600W 2220N		9	0.2
S1 L600E 1940N		30	0.2	S1 600W 2260N		16	0.2
S1 L600E 1960N		2	<0.1	S1 600W 2300N		4	0.6
S1 L600E 1980N		10	0.2	S1 600W 2340N		4	0.4
S1 L600E 2000N		12	0.2	S1 600W 2380N		53	0.5
S1 L600E 2020N		18	0.3	S1 600W 2420N		20	0.2
S1 L600E 2040N		11	0.2	S1 600W 2460N		41	0.1
S1 L600E 2060N		60	0.3	S1 600W 2500N		18	0.1
S1 L600E 2080N		122	0.4	S1 800W 1820N		4	0.8
S1 L600E 2100N		47	0.3	S1 800W 1860N		5	0.9
S1 L600E 2120N		104	0.3	S1 800W 1900N		9	0.8
S1 L600E 2140N		12	0.2	S1 800W 1940N		7	0.4
S1 L600E 2160N		5	0.2	S1 800W 1980N		8	1.0
S1 L600E 2180N		1	0.3	S1 800W 2020N		7	1.5
S1 L600E 2200N		29	0.2	S1 800W 2060N		6	2.1
S1 L600E 2220N		4	0.1	S1 800W 2100N		9	0.8
S1 L600E 2240N		14	<0.1	S1 800W 2140N		57	2.8
S1 L600E 2260N		6	1.1	S1 800W 2180N		7	0.4
S1 L600E 2280N		16	0.3	S1 800W 2220N		1	0.4
S1 L600E 2300N		6	0.5	S1 800W 2260N		14	0.4
S1 L600E 2320N		7	0.6	S1 800W 2300N		15	0.2
S1 L600E 2340N		2	0.5	S1 800W 2340N		9	0.2
S1 L600E 2360N		67	0.2	S1 800W 2380N		9	0.3
S1 L600E 2380N		4	0.2	S1 800W 2420N		46	0.2
S1 L600E 2400N		105	0.3	S1 800W 2460N		4	0.1



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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM
S1 00W 1820N		47	0.1	S1 200W 1980N		4	0.7
S1 00W 1860N		8	0.2	S1 200W 2020N		3	0.3
S1 00W 1900N		6	0.3	S1 200W 2060N		8	1.2
S1 00W 1940N		3	0.3	S1 200W 2100N		16	1.3
S1 00W 1980N		9	0.7	S1 200W 2140N		13	1.0
S1 00W 2020N		18	0.6	S1 200W 2180N		14	1.0
S1 00W 2060N		3	0.3	S1 200W 2220N		23	0.5
S1 00W 2100N		3	0.4	S1 200W 2260N		9	0.2
S1 00W 2140N		5	0.3	S1 200W 2300N		35	0.2
S1 00W 2180N		1	0.2	S1 200W 2340N		10	0.2
S1 00W 2220N		2	0.3	S1 200W 2380N		14	<0.1
S1 00W 2260N		1	<0.1	S1 200W 2420N		24	0.1
S1 00W 2300N		10	<0.1	S1 200W 2460N		46	0.2
S1 00W 2340N		1	0.2	S1 200W 2500N		15	0.2
S1 00W 2380N		5	<0.1	S1 L400E 1820N		6	0.2
S1 00W 2420N		5	0.3	S1 L400E 1860N		9	0.2
S1 00W 2460N		11	0.4	S1 L400E 1900N		7	<0.1
S1 00W 2500N		6	0.3	S1 L400E 1940N		5	0.3
S1 L200E 1820N		7	0.3	S1 L400E 1980N		97	0.3
S1 L200E 1860N		2	0.4	S1 L400E 2020N		131	0.2
S1 L200E 1900N		43	0.4	S1 L400E 2060N		6	0.2
S1 L200E 1940N		80	<0.1	S1 L400E 2100N		5	0.4
S1 L200E 1980N		75	<0.1	S1 L400E 2140N		4	0.1
S1 L200E 2020N		7	0.1	S1 L400E 2180N		64	0.1
S1 L200E 2060N		27	<0.1	S1 L400E 2220N		9	0.2
S1 L200E 2100N		7	0.6	S1 L400E 2260N		11	<0.1
S1 L200E 2140N		4	0.2	S1 L400E 2300N		6	0.1
S1 L200E 2180N		4	0.3	S1 L400E 2340N		5	0.1
S1 L200E 2220N		5	0.2	S1 L400E 2380N		8	0.2
S1 L200E 2260N		14	0.3	S1 L400E 2420N		6	0.2
S1 L200E 2300N		11	0.3	S1 L400E 2460N		6	0.3
S1 L200E 2340N		3	0.2	S1 L400E 2500N		6	0.2
S1 L200E 2380N		18	<0.1	S1 400W 1820N		11	0.8
S1 L200E 2420N		3	<0.1	S1 400W 1860N		23	0.8
S1 L200E 2460N		8	0.1	S1 400W 1900N		16	0.6
S1 L200E 2500N		2	0.2	S1 400W 1940N		27	0.8
S1 200W 1820N		7	0.6	S1 400W 1980N		21	1.2
S1 200W 1860N		10	1.2	S1 400W 2020N		26	1.5
S1 200W 1900N		15	0.6	S1 400W 2060N		36	0.9
S1 200W 1940N		10	0.6	S1 400W 2100N		25	1.0

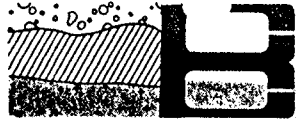


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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
R2 AD3351		0.7	10	R2 AD3425		0.1	55
R2 AD3352		0.4	220	R2 AD3426		0.3	20
R2 AD3353		0.1	10	R2 AD3427		<0.1	5
R2 AD3354		0.2	<5	R2 AD3428		<0.1	5
R2 AD3355		<0.1	25	R2 AD3429		<0.1	20
R2 AD3356		0.1	<5	R2 AD3430		0.2	15
R2 AD3357		<0.1	<5	R2 AD3431		<0.1	10
R2 AD3358		3.8	1150	R2 AD3432		<0.1	35
R2 AD3359		0.2	45	R2 AD3433		<0.1	35
R2 AD3360		<0.1	5	R2 AD3434		<0.1	25
R2 AD3361		0.3	5	R2 AD3435		<0.1	20
R2 AD3362		0.2	40	R2 AD3436		<0.1	5
R2 AD3363		<0.1	35	R2 AD3437		<0.1	15
R2 AD3364		<0.1	15	R2 AD3438		<0.1	35
R2 AD3399		0.2	30	R2 AD3439		<0.1	25
R2 AD3400		0.6	30	R2 AD3440		<0.1	35
R2 AD3401		0.8	55	R2 AD3441		0.2	40
R2 AD3402		1.8	60	R2 AD3442		0.5	70
R2 AD3403		1.1	55	R2 AD3443		<0.1	60
R2 AD3404		1.1	55	R2 AD3444		<0.1	20
R2 AD3405		2.5	1050	R2 AD3445		<0.1	25
R2 AD3406		0.2	20	R2 AD3446		<0.1	95
R2 AD3407		0.7	70	R2 AD3447		0.2	45
R2 AD3408		0.6	15	R2 AD3448		0.3	110
R2 AD3409		0.1	<5	R2 AD3449		0.3	100
R2 AD3410		<0.1	10	R2 AD3450		5.2	8400
R2 AD3411		<0.1	10	R2 AD3451		0.1	35
R2 AD3412		<0.1	<5	R2 AD3452		<0.1	30
R2 AD3413		0.1	<5	R2 AD3453		<0.1	30
R2 AD3414		0.1	<5	R2 AD3454		<0.1	5
R2 AD3415		<0.1	5	R2 AD3455		<0.1	15
R2 AD3416		0.8	110	R2 AD3456		<0.1	25
R2 AD3417		<0.1	<5	R2 AD3457		<0.1	50
R2 AD3418		<0.1	<5	R2 AD3458		<0.1	30
R2 AD3419		0.4	65	R2 AD3459		0.1	20
R2 AD3420		0.5	400	R2 AD3460		<0.1	10
R2 AD3421		0.6	480	R2 AD3461		<0.1	15
R2 AD3422		0.6	400	R2 AD3462		<0.1	10
R2 AD3423		0.1	45	R2 AD3463		0.1	<5
R2 AD3424		<0.1	40	R2 AD3464		0.1	5



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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
R2 AD3465		0.5	5				
R2 AD3466		0.4	5				
R2 AD3467		0.4	<5				
R2 AD3468		1.0	<5				
R2 AD3469		1.1	20				
R2 AD3470		0.9	5				
R2 AD3471		0.8	10				
R2 AD3472		0.7	130				
R2 AD3473		0.4	90				
R2 AD3474		<0.1	5				
R2 AD3475		0.2	40				
R2 AD3476		0.1	25				
R2 AD3477		0.1	<5				
R2 AD3478		<0.1	<5				
R2 AD3479		<0.1	<5				
R2 AD3480		<0.1	<5				
R2 AD3481		<0.1	5				
R2 AD3483		<0.1	30				

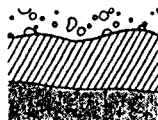


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SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 AD3358		0.037
R2 AD3405		0.037
R2 AD3450		0.187#

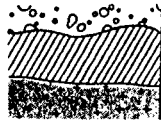


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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
R2 AD3482		1.3	15	R2 AD3523		3.3	110
R2 AD3484		0.1	15	R2 AD3524		5.2	95
R2 AD3485		<0.1	5	R2 AD3525		4.5	80
R2 AD3486		<0.1	15	R2 AD3526		1.7	120
R2 AD3487		<0.1	10	R2 AD3527		1.2	25
R2 AD3488		<0.1	<5	R2 AD3528		1.2	50
R2 AD3489		1.5	90	R2 AD3529		0.9	15
R2 AD3490		0.8	45	R2 AD3530		0.6	20
R2 AD3491		1.2	110	R2 AD3531		0.8	20
R2 AD3492		0.2	25	R2 AD3532		0.8	20
R2 AD3493		0.3	50	R2 AD3533		0.8	25
R2 AD3494		0.6	70	R2 AD3534		0.8	60
R2 AD3495		1.0	65	R2 AD3535		0.2	10
R2 AD3496		2.1	200	R2 AD3536		0.4	20
R2 AD3497		3.6	220	R2 AD3537		0.5	15
R2 AD3498		0.2	35	R2 AD3538		1.5	55
R2 AD3499		<0.1	20	R2 AD3539		1.4	25
R2 AD3500		<0.1	15	R2 AD3540		0.9	20
R2 AD3501		<0.1	15	R2 AD3541		2.2	90
R2 AD3502		<0.1	15	R2 AD3542		1.5	170
R2 AD3503		0.1	130	R2 AD3543		1.1	600
R2 AD3504		0.7	680	R2 AD3544		3.6	110
R2 AD3505		<0.1	20	R2 AD3545		1.9	65
R2 AD3506		<0.1	10	R2 AD3546		<0.1	<5
R2 AD3507		<0.1	10	R2 AD3547		<0.1	140
R2 AD3508		<0.1	20	R2 AD3551		0.4	55
R2 AD3509		0.1	35	R2 AD3552		0.2	35
R2 AD3510		0.2	50	R2 AD3553		0.2	35
R2 AD3511		0.2	30	R2 AD3554		0.3	25
R2 AD3512		0.6	120	R2 AD3555		0.5	25
R2 AD3513		0.1	15	R2 AD3556		1.0	35
R2 AD3514		0.2	30	R2 AD3557		0.3	20
R2 AD3515		0.3	25	R2 AD3558		0.3	20
R2 AD3516		0.4	35	R2 AD3559		<0.1	5
R2 AD3517		0.6	60	R2 AD3560		<0.1	15
R2 AD3518		0.8	50	R2 AD3561		0.1	5
R2 AD3519		0.4	25	R2 AD3562		<0.1	20
R2 AD3520		0.4	35	R2 AD3563		0.1	25
R2 AD3521		1.9	100	R2 AD3564		<0.1	15
R2 AD3522		3.9	60	R2 AD3565		<0.1	25

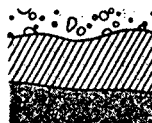


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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
R2 AD3566		<0.1	15				
R2 AD3567		<0.1	15				
R2 AD3568		<0.1	25				
R2 AD3569		<0.1	20				
R2 AD3570		<0.1	15				
R2 AD3571		<0.1	25				
R2 AD3572		<0.1	15				
R2 AD3573		<0.1	30				
R2 AD3574		<0.1	20				
R2 AD3575		<0.1	10				
R2 AD3576		0.4	10				
R2 AD3577		<0.1	10				
R2 AD3578		<0.1	<5				
R2 AD3579		0.1	20				
R2 AD3580		0.1	10				
R2 AD3581		0.1	10				

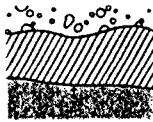


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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
R2 AD3365		<0.1	<5	R2 AD3607		0.3	840
R2 AD3366		0.2	15	R2 AD3608		0.2	600
R2 AD3367		<0.1	35	R2 AD3609		<0.1	50
R2 AD3368		0.1	60	R2 AD3610		<0.1	15
R2 AD3369		<0.1	15	R2 AD3611		0.1	35
R2 AD3370		<0.1	10	R2 AD3612		<0.1	75
R2 AD3371		<0.1	35	R2 AD3613		<0.1	120
R2 AD3374		0.2	20	R2 AD3614		0.1	860
R2 AD3375		<0.1	10	R2 AD3651		<0.1	10
R2 AD3376		0.1	10	R2 AD3652		0.1	10
R2 AD3377		0.7	<5	R2 AD3653		0.1	<5
R2 AD3378		0.2	<5	R2 AD3654		<0.1	<5
R2 AD3548		0.1	1700	R2 AD3655		<0.1	<5
R2 AD3549		<0.1	170	R2 AD3656		0.2	10
R2 AD3550		0.2	240	R2 AD3657		<0.1	<5
R2 AD3582		0.2	260	R2 AD3658		<0.1	<5
R2 AD3583		<0.1	300	R2 AD3659		0.2	40
R2 AD3584		0.2	220	R2 AD3660		0.3	65
R2 AD3585		<0.1	55				
R2 AD3586		<0.1	<5				
R2 AD3587		0.1	55				
R2 AD3588		<0.1	80				
R2 AD3589		<0.1	20				
R2 AD3590		<0.1	5				
R2 AD3591		0.1	820				
R2 AD3592		<0.1	55				
R2 AD3593		0.6	1550				
R2 AD3594		<0.1	260				
R2 AD3595		<0.1	260				
R2 AD3596		0.3	720				
R2 AD3597		0.4	2200				
R2 AD3598		0.3	620				
R2 AD3599		0.4	740				
R2 AD3600		<0.1	30				
R2 AD3601		<0.1	110				
R2 AD3602		<0.1	220				
R2 AD3603		0.4	660				
R2 AD3604		0.2	1600				
R2 AD3605		0.4	880				
R2 AD3606		0.4	1100				

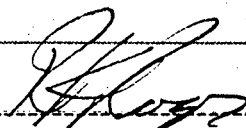


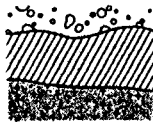
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PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 AD3548		0.059
R2 AD3593		0.038
R2 AD3597		0.063
R2 AD3604		0.048
R2 AD3606		0.032


Registered Assayer, Province of British Columbia



REPORT: 127-4089

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au 30g PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au 30g PPB
R2 AD3616		0.3	<5	R2 AD3672		0.4	55
R2 AD3617		0.4	<5	R2 AD3673		0.3	70
R2 AD3618		0.5	5	R2 AD3674		0.2	50
R2 AD3619		0.6	10	R2 AD3675		0.4	400
R2 AD3620		1.0	20	R2 AD3676		0.1	20
R2 AD3621		0.6	60	R2 AD3677		0.4	720
R2 AD3622		1.3	30	R2 AD3678		1.7	2900
R2 AD3623		0.7	60	R2 AD3679		0.8	720
R2 AD3624		0.4	10	R2 AD3680		0.1	100
R2 AD3625		0.4	35	R2 AD3681		17.0	440
R2 AD3626		0.9	80	R2 AD3682		0.8	200
R2 AD3627		0.1	10	R2 AD3683		0.6	85
R2 AD3628		0.6	75	R2 AD3684		<0.1	10
R2 AD3629		0.4	60	R2 AD3685		2.3	190
R2 AD3630		<0.1	15	R2 AD3686		1.0	85
R2 AD3631		<0.1	15	R2 AD3687		0.6	60
R2 AD3632		0.4	25	R2 AD3688		0.8	260
R2 AD3633		<0.1	10	R2 AD3689		3.0	220
R2 AD3634		0.2	10	R2 AD3690		1.0	540
R2 AD3635		0.1	10	R2 AD3691		0.8	50
R2 AD3636		0.3	10	R2 AD3692		2.3	680
R2 AD3637		<0.1	65	R2 AD3693		18.0	>10000
R2 AD3638		0.2	15	R2 AD3694		3.2	1100
R2 AD3639		0.3	10	R2 AD3695		1.0	200
R2 AD3640		<0.1	5	R2 AD3696		<0.1	30
R2 AD3642		0.1	40	R2 AD3697		<0.1	45
R2 AD3643		0.1	10	R2 AD3698		<0.1	25
R2 AD3644		0.1	25	R2 AD3699		0.4	960
R2 AD3645		0.5	45	R2 AD3700		1.2	8500
R2 AD3661		0.2	15	R2 AD3701		<0.1	180
R2 AD3662		0.4	95	R2 AD3702		<0.1	20
R2 AD3663		0.1	30	R2 AD3703		0.3	30
R2 AD3664		<0.1	40	R2 AD3709		<0.1	30
R2 AD3665		0.2	60	R2 AD3710		<0.1	<5
R2 AD3666		<0.1	55	R2 AD3711		<0.1	35
R2 AD3667		0.1	60				
R2 AD3668		0.9	840				
R2 AD3669		0.6	580				
R2 AD3670		0.2	60				
R2 AD3671		0.2	50				

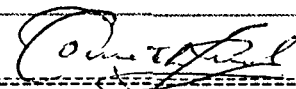


REPORT: 527-4089

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 AD3678		0.083
R2 AD3694		0.040
R2 AD3700		0.247


Registered Assayer, Province of British Columbia

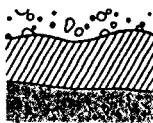


REPORT: 627-4089

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 AD 3693		2.920



REPORT: 127-4244

PROJECT: 103,139,112

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Au 30g PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Au 30g PPB
S1 SA21233		52	0.4		R2 AD3771			0.7	120
S1 SA21234		61	0.2		R2 AD3772			0.7	50
S1 SA21235		118	<0.1		R2 AD3773			0.1	15
S1 SA21236		705	0.2		R2 AD3774			0.2	5
S1 SA21237		500	0.3		R2 AD3775			1.6	35
S1 SA21238		80	0.4		R2 AD3776			0.1	15
S1 SA21239		149	0.5		R2 AD3777			0.1	15
R2 AD3724			0.3	<5	R2 AD3778			1.4	1050
R2 AD3725			<0.1	15	R2 AD3779			<0.1	20
R2 AD3726			0.2	100	R2 AD3780			<0.1	10
R2 AD3728			0.1	20	R2 AD3781			<0.1	10
R2 AD3736			0.2	15	R2 AD3782			<0.1	10
R2 AD3737			1.8	10	R2 AD3783			<0.1	10
R2 AD3738			0.9	110	R2 AD3784			<0.1	15
R2 AD3739			<0.1	320	R2 AD3785			<0.1	10
R2 AD3740			<0.1	80	R2 AD3786			0.1	15
R2 AD3742			0.1	15	R2 AD3787			0.2	25
R2 AD3743			0.2	260	R2 AD3788			0.3	180
R2 AD3744			0.1	5	R2 AD3789			1.9	1750
R2 AD3746			0.4	10	R2 AD3790			<0.1	25
R2 AD3747			<0.1	<5	R2 AD3795			0.6	1650
R2 AD3748			<0.1	5	R2 AD3796			0.2	20
R2 AD3749			<0.1	5	R2 AD3797			0.1	15
R2 AD3750			1.4	10	R2 AD3798			0.1	25
R2 AD3751			2.6	1900	R2 AD3799			0.1	25
R2 AD3752			0.4	220					
R2 AD3754			<0.1	15					
R2 AD3755			<0.1	10					
R2 AD3756			<0.1	5					
R2 AD3757			<0.1	<5					
R2 AD3758			<0.1	5					
R2 AD3759			<0.1	<5					
R2 AD3763			<0.1	15					
R2 AD3764			<0.1	<5					
R2 AD3765			<0.1	<5					
R2 AD3766			<0.1	<5					
R2 AD3767			<0.1	<5					
R2 AD3768			2.8	540					
R2 AD3769			0.7	170					
R2 AD3770			0.5	25					

SAMPLE	SI02	AL2O3	CAO	MG0	NA2O	K2O	FE2O3	MNO	TIO2	P2O5	CR2O3	LOI	SUM
AD3372	76.4	13.0	0.05	0.07	4.49	3.05	0.65	0.02	0.06	0.02	0.01	0.85	98.7
AD3615	51.9	14.8	4.22	3.46	3.32	5.57	7.73	0.14	0.92	0.59	0.01	6.00	99.0
AD3641	48.1	15.5	6.31	4.47	3.44	2.54	10.5	0.28	0.71	0.39	<0.01	6.62	99.0
AD3649	50.0	23.5	0.73	0.73	0.36	6.77	10.7	0.25	0.82	0.57	<0.01	5.70	100.3
AD3650	49.1	19.9	5.05	2.04	2.59	3.65	9.01	0.10	0.67	0.51	<0.01	6.54	99.3
AD3704	47.6	16.1	5.20	4.71	4.64	2.69	8.68	0.14	0.70	0.30	<0.01	8.31	99.2
AD3705	52.2	17.3	2.08	1.54	5.16	4.00	10.3	0.17	0.84	0.32	<0.01	5.16	99.2
AD3706	55.8	18.8	0.80	1.01	2.03	5.54	9.91	0.21	0.83	0.28	<0.01	4.62	99.9
AD3707	44.9	15.3	6.20	3.61	0.76	6.02	10.3	0.33	0.75	0.41	<0.01	9.31	98.1
AD3708	53.0	17.7	1.90	3.86	3.30	3.75	9.23	0.23	0.91	0.27	<0.01	4.70	99.0
AD3712	53.4	17.5	2.04	1.57	4.80	3.86	9.58	0.17	0.86	0.35	<0.01	4.16	98.4
AD3713	64.1	14.5	0.53	1.12	5.36	1.68	7.49	0.16	0.61	0.32	<0.01	2.85	98.8
AD3714	53.2	6.74	9.40	3.80	1.37	1.48	9.53	0.24	0.40	0.15	0.04	13.5	100.0
AD3715	55.1	15.6	1.74	3.74	5.22	1.56	10.2	0.21	0.77	0.31	<0.01	4.23	98.8
AD3716	50.5	12.5	2.18	11.8	0.86	2.89	11.8	0.19	0.85	0.42	0.08	5.70	99.9
AD3717	50.8	11.0	4.43	13.3	1.22	0.94	12.4	0.24	0.75	0.32	0.06	4.93	100.5
AD3718	52.6	17.1	0.61	4.77	3.76	2.22	11.7	0.11	0.87	0.41	<0.01	5.47	99.7
AD3719	55.8	20.2	0.83	2.02	0.87	6.36	7.12	0.04	0.77	0.46	<0.01	5.31	99.9
AD3720	50.5	17.5	1.76	6.44	2.71	3.25	10.7	0.18	0.73	0.40	<0.01	5.31	99.6
AD3721	53.5	17.7	2.25	3.42	0.46	5.42	8.66	0.17	0.70	0.41	<0.01	5.93	98.7
AD3722	49.2	16.7	4.57	6.37	1.89	1.67	12.4	0.27	0.83	0.42	<0.01	5.70	100.2
AD3723	55.0	18.9	0.98	2.97	3.59	2.63	8.50	0.05	1.37	1.02	<0.01	4.16	99.3
AD3729	69.1	16.1	1.00	0.12	5.48	3.92	1.78	0.09	0.22	0.12	<0.01	1.47	99.6
AD3732	45.5	16.4	7.27	2.34	1.16	5.27	10.3	0.23	0.76	0.40	<0.01	9.93	99.7
AD3733	50.1	16.7	2.88	5.84	3.50	2.88	10.6	0.28	0.76	0.37	<0.01	4.77	98.9
AD3734	48.3	16.3	4.07	5.47	3.90	2.58	10.8	0.30	0.86	0.40	<0.01	5.85	98.9
AD3735	62.7	15.9	2.82	0.80	4.16	5.12	3.65	0.09	0.45	0.18	<0.01	2.70	98.8

SAMPLE	SI02	AL203	CAO	MGO	NA2O	K2O	FE2O3	MNO	TIO2	P2O5	CR2O3	LOI	SUM
AD3741	48.7	14.3	5.38	7.13	2.94	2.62	10.5	0.19	0.81	0.34	0.01	6.62	99.7
AD3745	46.7	12.2	8.77	3.66	3.28	3.48	7.53	0.22	0.66	0.26	<0.01	12.7	99.6
AD3753	48.1	15.8	7.97	4.03	2.06	3.11	9.04	0.16	0.66	0.40	<0.01	8.47	100.0
AD3760	47.8	12.5	11.3	8.26	1.27	1.86	12.4	0.33	0.82	0.24	0.01	2.31	99.2
AD3761	60.0	16.4	5.60	2.70	2.46	2.42	6.70	0.13	0.63	0.19	0.01	2.70	100.0
AD3762	52.3	16.4	7.25	4.70	2.90	3.08	8.47	0.19	0.72	0.43	<0.01	3.54	100.1
AD3791	57.4	18.0	1.19	3.35	3.23	2.74	8.64	0.16	0.79	0.25	<0.01	3.77	99.7
AD3792	54.1	17.7	3.65	3.13	2.64	3.00	8.08	0.15	0.75	0.24	<0.01	5.47	99.1
AD3793	55.2	19.3	0.78	1.55	5.92	1.35	9.40	0.21	0.73	0.56	<0.01	4.16	99.3
AD3794	53.3	19.0	2.92	2.21	4.10	2.60	8.96	0.19	0.80	0.32	<0.01	4.85	99.4

SAMPLE	RB	SR	Y	ZR	NB	EA
AD3372	146	51	42	76	49	232
AD3615	137	1170	23	126	40	1730
AD3641	65	428	16	40	16	570
AD3649	205	63	22	56	<10	1460
AD3650	105	184	<10	59	16	587
AD3704	85	481	<10	34	<10	581
AD3705	107	236	10	45	16	685
AD3706	167	52	21	32	21	724
AD3707	150	298	23	28	<10	1690
AD3708	129	99	26	82	19	1000
AD3712	94	328	<10	50	15	846
AD3713	49	110	<10	49	<10	455
AD3714	41	386	<10	<10	16	521
AD3715	53	198	34	52	12	619
AD3716	111	257	16	80	<10	829
AD3717	29	196	<10	14	12	607
AD3718	79	337	<10	40	11	493
AD3719	213	106	<10	55	<10	703
AD3720	112	272	23	52	20	802
AD3721	178	64	<10	45	13	827
AD3722	75	490	28	43	16	592
AD3723	89	229	23	149	35	684
AD3729	100	263	21	291	40	1290
AD3732	141	209	15	28	<10	782
AD3733	71	329	19	35	21	1190
AD3734	87	341	15	27	11	536
AD3735	114	831	13	124	32	1090

SAMPLE	RB	SR	Y	ZR	NB	BA
AD3741	143	530	<10	34	<10	745
AD3745	62	412	<10	17	14	664
AD3753	96	308	18	41	11	896
AD3760	56	271	<10	12	19	304
AD3761	83	219	23	51	12	376
AD3762	83	279	26	47	<10	534
AD3791	114	215	31	68	<10	821
AD3792	102	207	19	58	<10	896
AD3793	68	396	10	57	19	467
AD3794	89	305	14	70	19	668

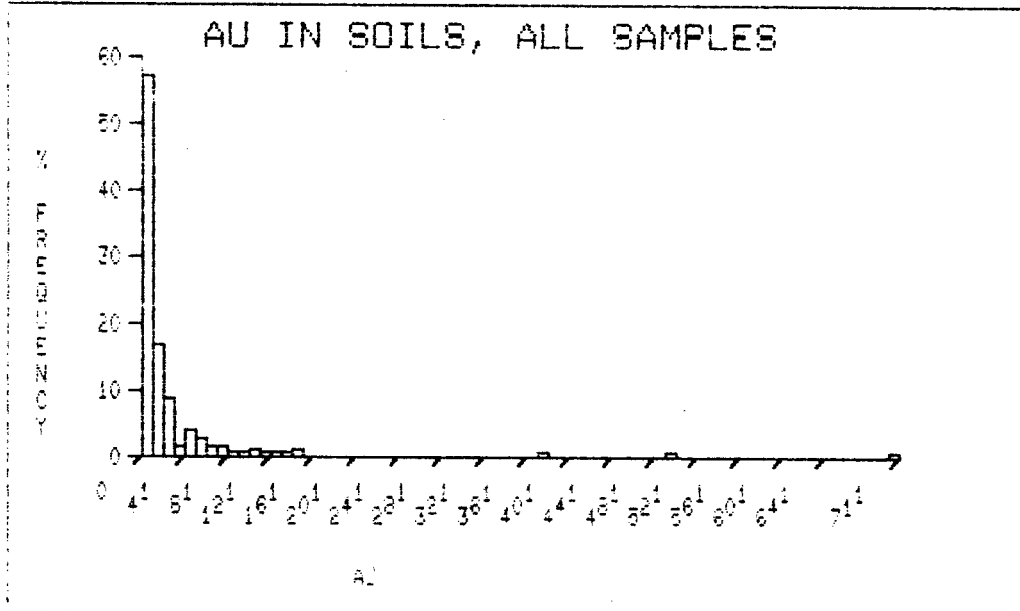
SAMPLE	AU PPS	CU PPM	ZN PPM	AG PPM	PB PPM
AD3372	--	--	--	--	--
AD3615	--	--	--	--	--
AD3641	--	--	--	--	--
AD3646	11	580.	550.	3.0	370
AD3647	2	270.	530.	3.0	320
AD3648	13	29.0	220.	<0.5	14
AD3649	9	--	--	--	--
AD3650	5	--	--	--	--
AD3704	--	--	--	--	--
AD3705	--	--	--	--	--
AD3706	--	--	--	--	--
AD3707	--	--	--	--	--
AD3708	--	--	--	--	--
AD3712	--	--	--	--	--
AD3713	--	--	--	--	--
AD3714	--	--	--	--	--
AD3715	--	--	--	--	--
AD3716	--	--	--	--	--
AD3717	--	--	--	--	--
AD3718	--	--	--	--	--
AD3719	--	--	--	--	--
AD3720	--	--	--	--	--
AD3721	--	--	--	--	--
AD3722	--	--	--	--	--
AD3723	--	--	--	--	--
AD3727	95	2700.	4500.	3.0	1700
AD3729	--	--	--	--	--
AD3730	17	1600.	130.	1.0	6
AD3731	21	33000.	220.	18.0	130
AD3732	--	--	--	--	--
AD3733	--	--	--	--	--
AD3734	--	--	--	--	--
AD3735	--	--	--	--	--
AD3741	--	--	--	--	--
AD3745	--	--	--	--	--
AD3753	<1	--	--	--	--
AD3760	--	--	--	--	--
AD3761	--	--	--	--	--
AD3762	--	--	--	--	--
AD3791	--	--	--	--	--
AD3792	--	--	--	--	--
AD3793	--	--	--	--	--
AD3794	--	--	--	--	--

APPENDIX 3

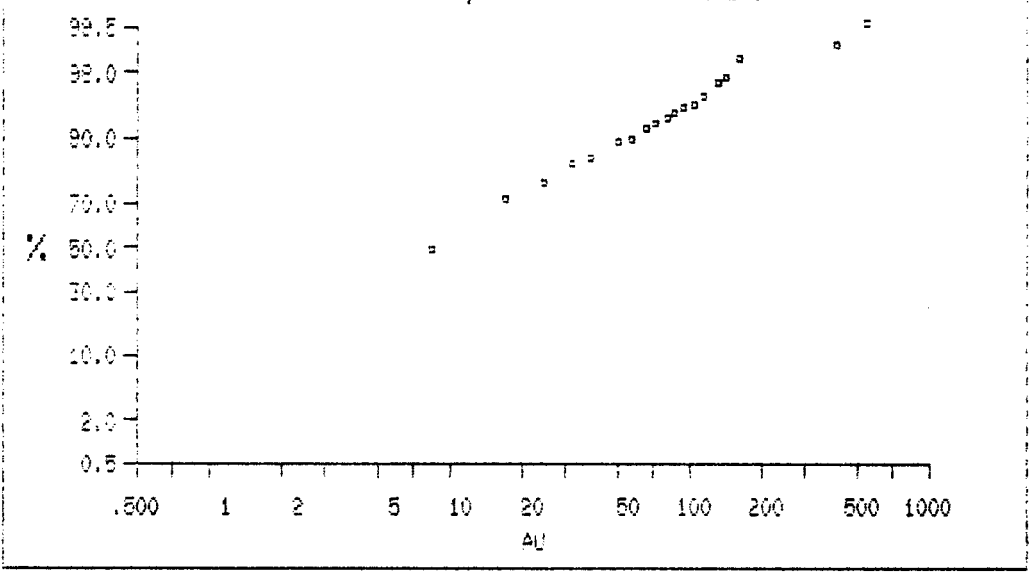
Statistics - Soils

AU IN SOILS, ALL SAMPLES

NUMBER OF SAMPLES :	186
MINIMUM :	0.5
MAXIMUM :	705.0
MEAN :	28.0
STANDARD DEVIATION :	71.7
MEAN - 1 STD. DEV. :	-43.7
MEAN + 1 STD. DEV. :	99.7
MEAN + 2 STD. DEV. :	171.4
MEDIAN :	3.0
MODE :	4.0
SKEWNESS :	0.8
KURTOSIS :	55.9
NUMBER OF CLASSES :	71
CLASS INTERVAL :	10.0

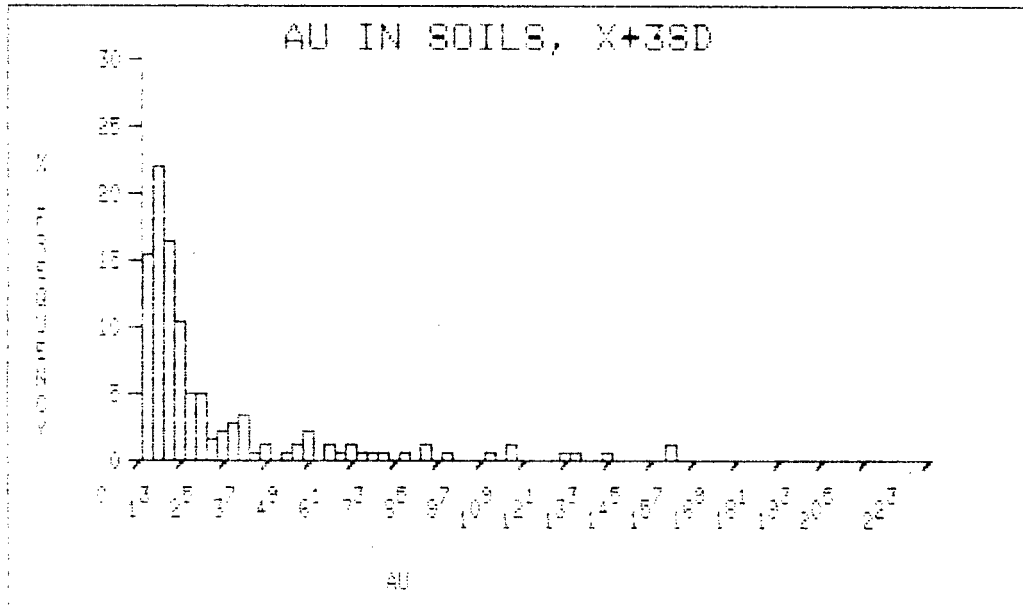


AU IN SOILS, ALL SAMPLES



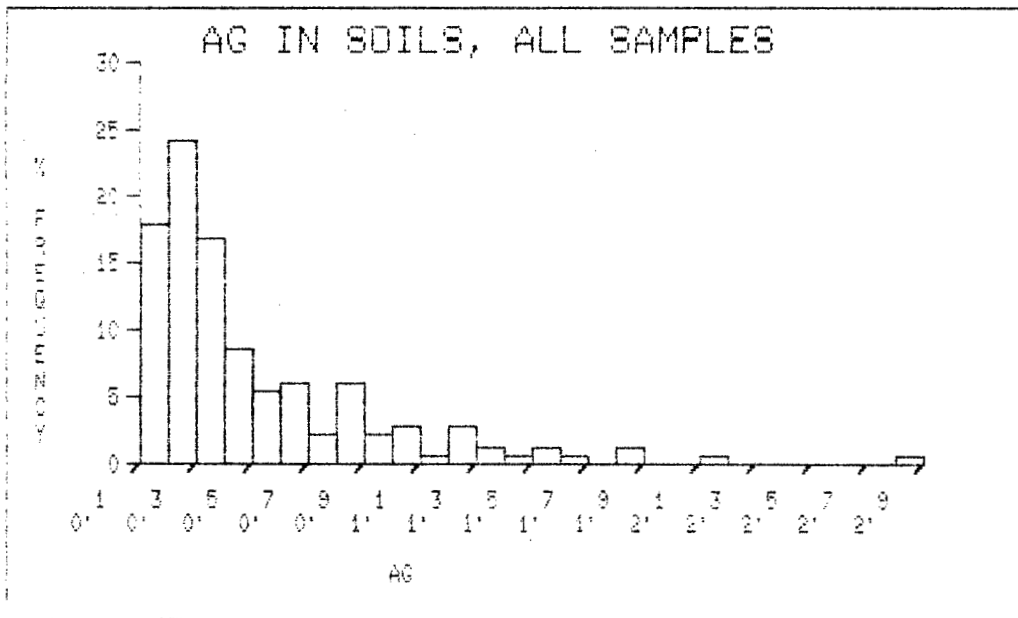
AU IN SOILS, X+38D

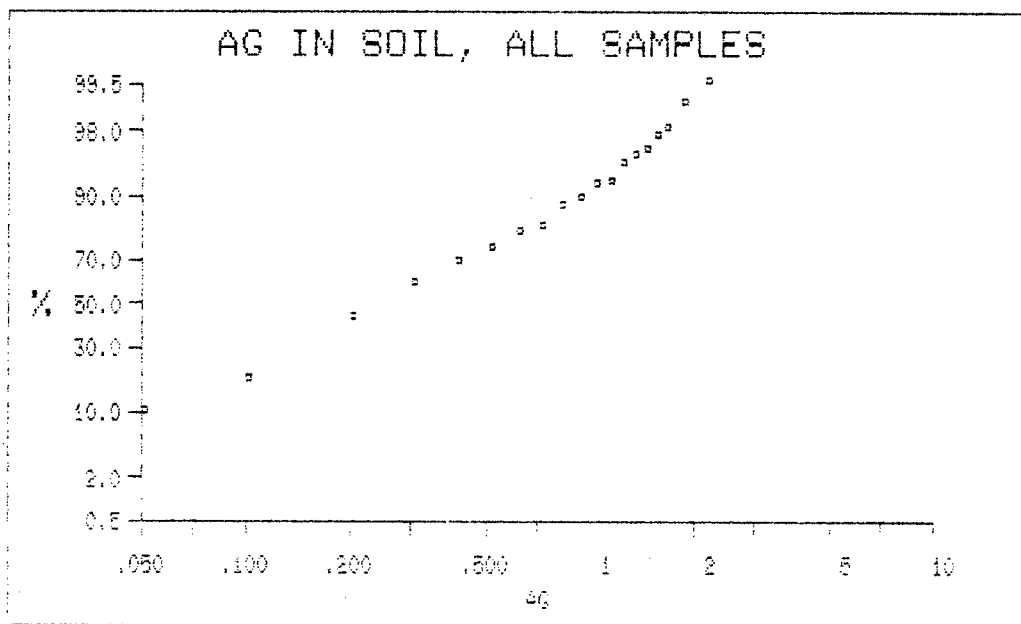
NUMBER OF SAMPLES	197
MINIMUM	0.8
MAXIMUM	149.0
MEAN	13.9
STANDARD DEVIATION	27.9
MEAN - 1 STD. DEV.	-3.1
MEAN + 1 STD. DEV.	47.9
MEAN + 2 STD. DEV.	78.7
MEDIAN	9.0
MODE	4.0
SKEWNESS	1.8
KURTOSIS	10.1
NUMBER OF CLASSES	24
CLASS INTERVAL	3.0



AG IN SOILS, ALL SAMPLES

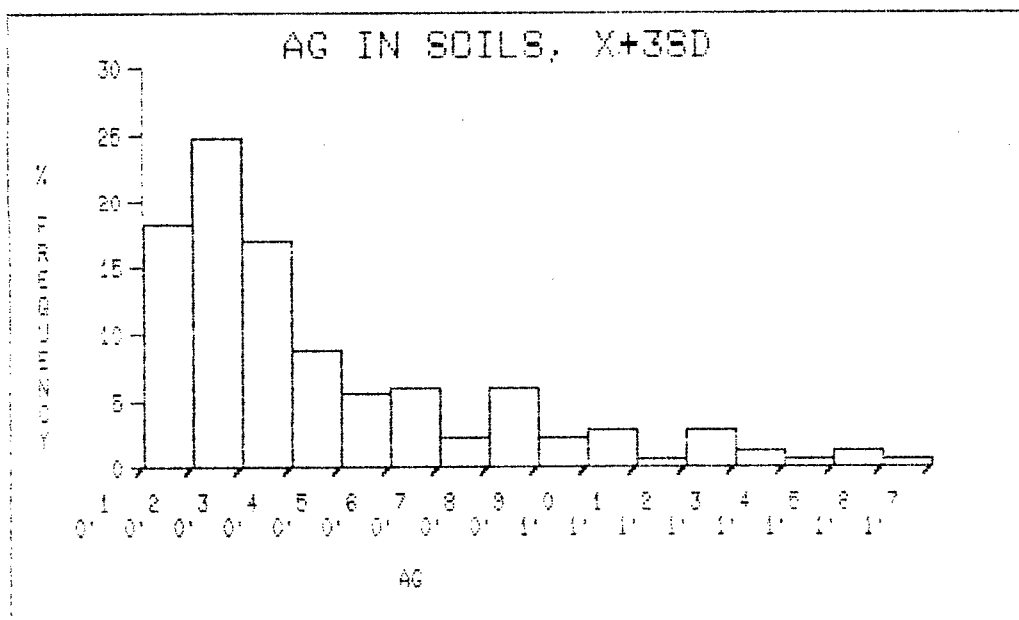
NUMBER OF SAMPLES	:	166
MINIMUM	:	0.08
MAXIMUM	:	2.80
MEAN	:	0.45
STANDARD DEVIATION	:	0.42
MEAN - 1 STD. DEV.	:	0.02
MEAN + 1 STD. DEV.	:	0.87
MEAN + 2 STD. DEV.	:	1.30
MEDIAN	:	0.30
MODE	:	0.20
SKENNESS	:	1.04
KURTOSIS	:	9.04
NUMBER OF CLASSES	:	28
CLASS INTERVAL	:	0.10





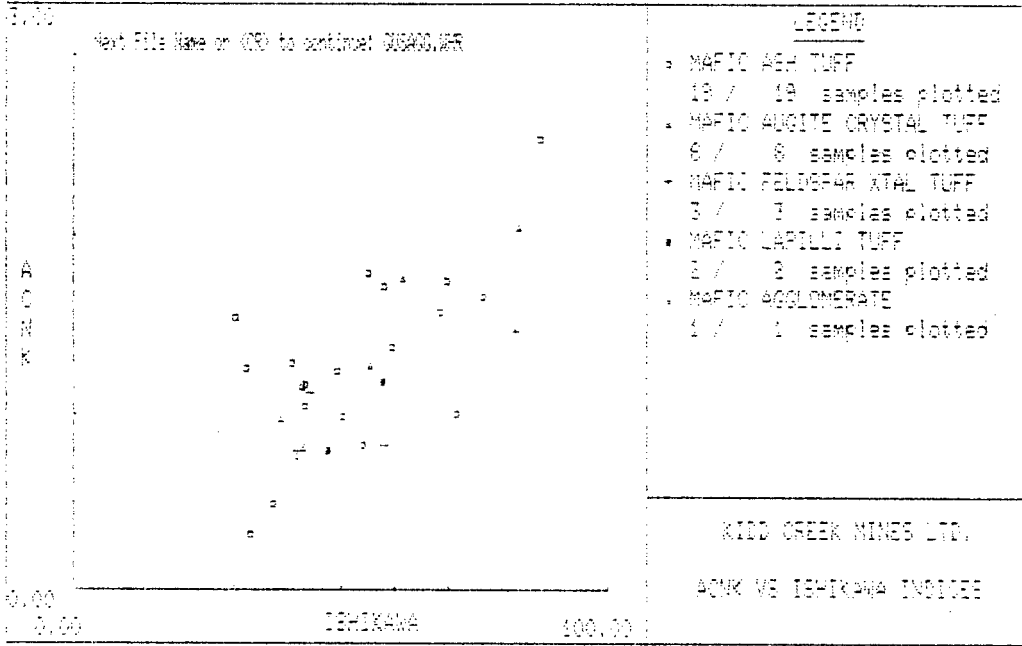
AG IN SOILS, X+3SD

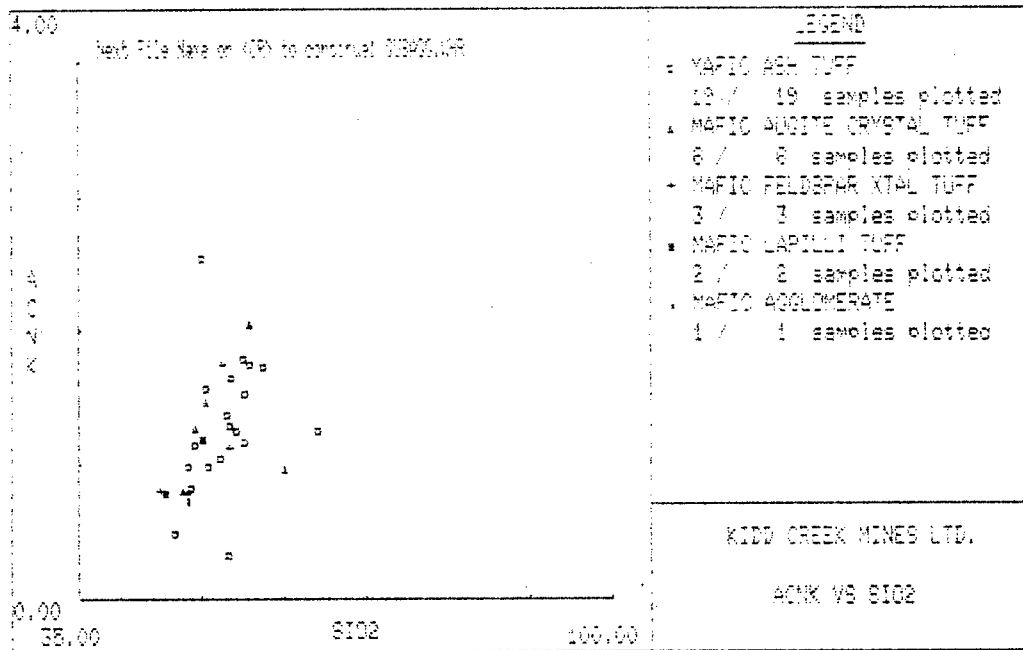
NUMBER OF SAMPLES :	192
MINIMUM :	0.05
MAXIMUM :	1.60
MEAN :	0.41
STANDARD DEVIATION :	0.34
MEAN - 1 STD. DEV. :	0.07
MEAN + 1 STD. DEV. :	0.75
MEAN + 2 STD. DEV. :	1.09
MEDIAN :	0.30
MODE :	0.20
SKEWNESS :	0.96
KURTOSIS :	4.33
NUMBER OF CLASSES :	16
CLASS INTERVAL :	0.10



APPENDIX 4

Data Plots - Whole Rock

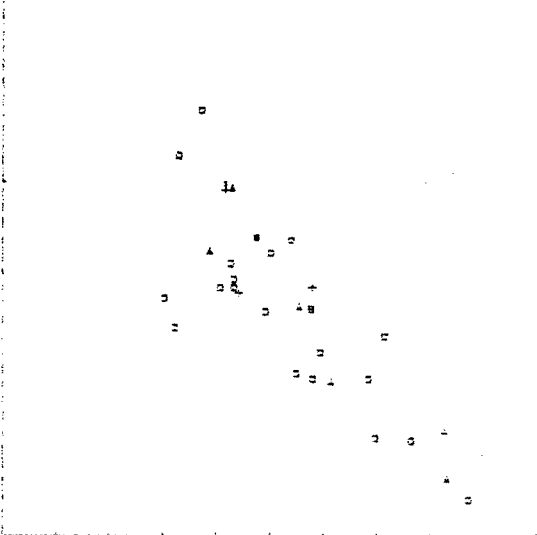




18.00

Next File Name or (00) to continue: 00000000

100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00



LEGEND

- MAFIC aSH TUFF
19 / 19 samples plotted
- ▲ MAFIC AUGITE CRYSTAL TUFF
6 / 6 samples plotted
- + MAFIC FELDSPAR XTAL TUFF
3 / 3 samples plotted
- MAFIC LAPILLI TUFF
2 / 2 samples plotted
- MAFIC AGGLOMERATE
1 / 1 samples plotted

KIDD CREEK MINES LTD.

NA2O+CaO VS ISHIKAWA INDEX

0.00

0.00

ISHIKAWA

100.00

KIDD CREEK MINES LTD.

Ternary Diagram

Ti/100 VS Zr/10 VS Y

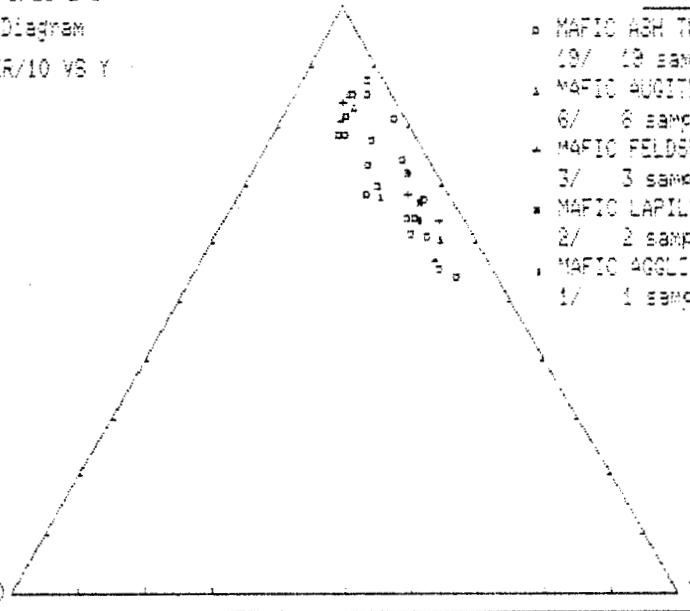
TIP

LEGEND

- MAFIC ASH TUFF
19/ 19 samples plotted
- ▲ MAFIC AUGITE CRYSTAL TUF
6/ 6 samples plotted
- △ MAFIC FELDSPAR XTAL TUFF
3/ 3 samples plotted
- MAFIC LAPILLI TUFF
2/ 2 samples plotted
- MAFIC AGGLOMERATE
1/ 1 samples plotted

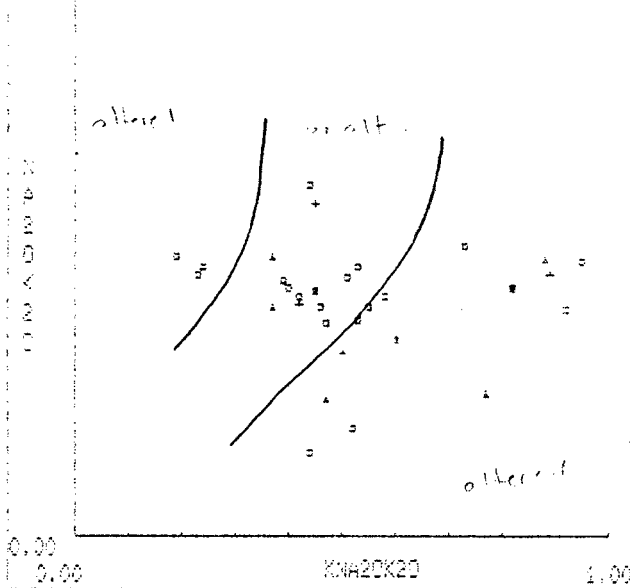
ZR10

Y



14.00

New File Name is 400 to contrast K2000000



LEGEND

- MAFIC ASH TUFF
19 / 19 samples plotted
- MAFIC ALBITE CRYSTAL TUFF
8 / 6 samples plotted
- MAFIC FELDSPAR XTAL TUFF
3 / 3 samples plotted
- MAFIC LAPILLI TUFF
2 / 2 samples plotted
- MAFIC AGGLOMERATE
1 / 1 samples plotted

KIDD CREEK MINES LTD.

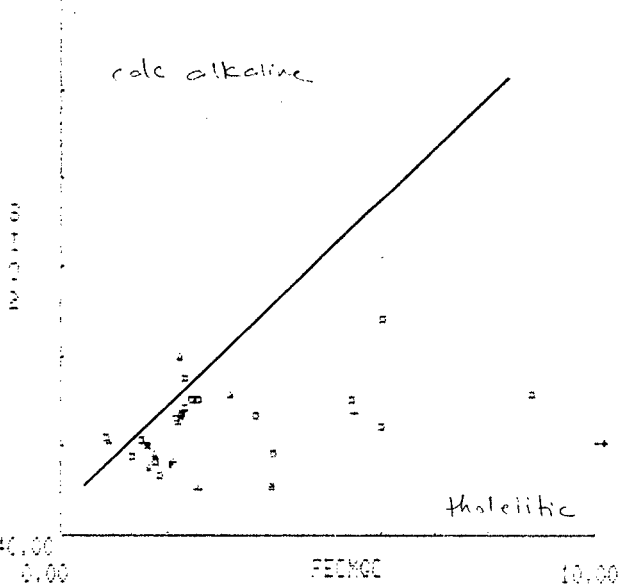
NA20-K20 VS K20/NA20-K20

100.00

Next File Name or <CR> to continue: 0103400.1050

LEGEND

- MAFIC AER TUFF
10 / 10 samples plotted
- MAFIC AUGITE CRYSTAL TUFF
6 / 6 samples plotted
- MAFIC FELDSPAR XTAL TUFF
3 / 3 samples plotted
- MAFIC LAPILLI TUFF
2 / 2 samples plotted
- MAFIC AGGLOMERATE
1 / 1 samples plotted



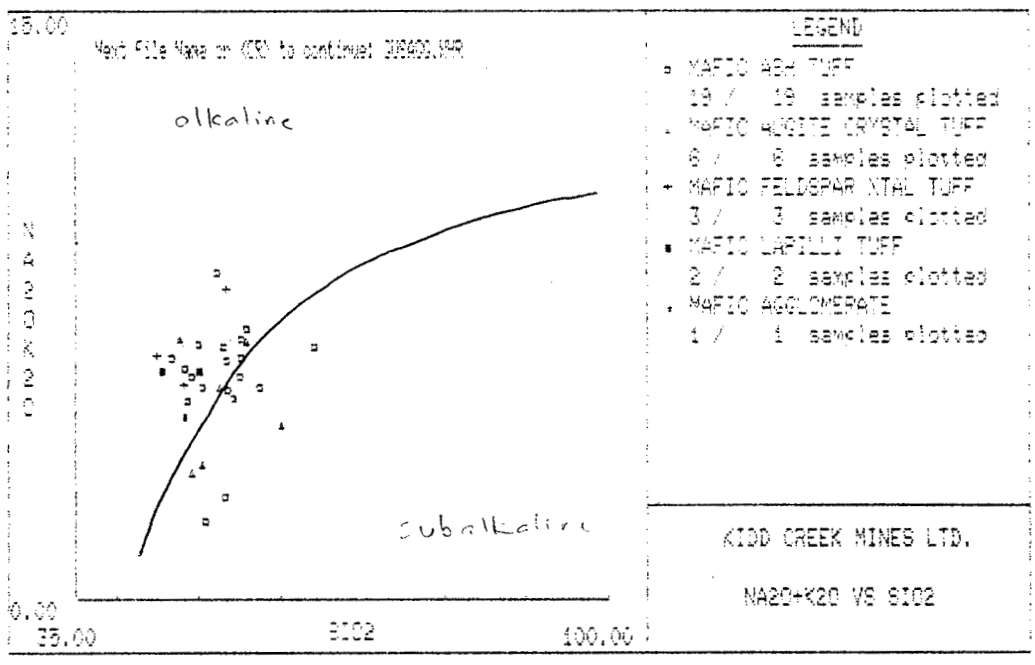
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FEOMG

10.00

<100 CREEK MINES LTD.

8102 75 FEB/MGC



KIDD CREEK MINES LTD.

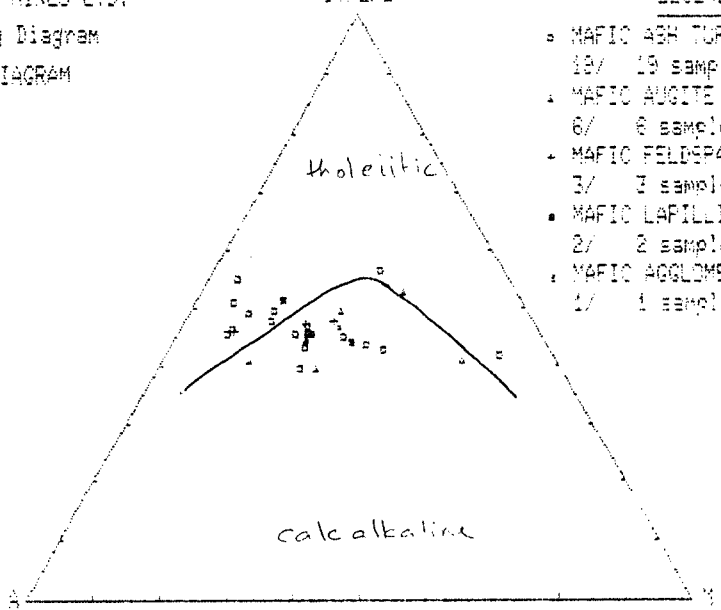
Ternary Diagram

AFM DIAGRAM

TOTALFE

LEGEND

- MAFIC ASH TUFF
18/ 19 samples plotted
- MAFIC AUGITE CRYSTAL TUF
6/ 6 samples plotted
- MAFIC FELDSPAR XTAL TUFF
3/ 3 samples plotted
- MAFIC LAPILLI TUFF
2/ 2 samples plotted
- MAFIC AGGLOMERATE
1/ 1 samples plotted



calcalkaline

tholeiitic

APPENDIX 5

Whole Rock Sample Descriptions

KIDD CREEK MINES - WHOLE ROCK DATABASE

WHOLE ROCK SAMPLES SWIFT/GUS PROJECT							
Sample No.	Field No.	Proj Code	Prov	NTS	Township	Rock Description Field Name	Sampled by
AD03372	87112EB14A	ACEIN		082F3		VOLCANIC, FELSIC, MEDIUM. QUARTZ PORPHYRITIC.	EBO BAKKER
AD03615	87103EG0001	SWIFT		082F3		PLUTONIC, MAFIC OR MELANOCRATIC, FINE. BIOTITE BEARING, FELDSPAR PORPHYRITIC, MAFIC PORPHYRITIC. UNKNOWN.	ERIC GRILL
AD03641	87103EB2301	SWIFT		082F3		NIL. VOLCANICLASTIC, MAFIC, ASH . MASSIVE.	EBO BAKKER
AD03649	87112EG2704	ACEIN		082F3		VOLCANICLASTIC, MAFIC, BLOCK. PERVASIVE, ARGILLIC ALTERATION, MODERATE.	ERIC GRILL
AD03650	87112EG2705	ACEIN		082F3		VOLCANICLASTIC, MAFIC, BLOCK. PERVASIVE, ARGILLIC ALTERATION, WEAK.	ERIC GRILL
AD03704	87103EG2123	SWIFT		082F3		VOLCANICLASTIC, MAFIC, ASH . MASSIVE, CRYSTAL. FRACTURE CONTROLLED, SULPHIDE ALTERATION, WEAK. DISSEMINATED AND BLEBS, <1%, PYRITE.	ERIC GRILL

KIDD CREEK MINES-WHOLE ROCK DATABASE

WHOLE ROCK SAMPLES SWIFT/GUS PROJECT						
SAMP NO.-->	AD03372	AD03615	AD03641	AD03649	AD03650	AD03704
SIO2	76.40	51.90	48.10	50.00	49.10	47.60
AL2O3	13.00	14.80	15.50	23.50	19.90	16.10
FE2O3	0.65	7.73	10.50	10.70	9.01	8.68
MNO	0.02	0.14	0.28	0.25	0.10	0.14
MGO	0.07	3.46	4.47	0.73	2.04	4.71
CAO	0.05	4.22	6.31	0.73	5.05	5.20
NA2O	4.49	3.32	3.44	0.36	2.59	4.64
K2O	3.05	5.57	2.54	6.77	3.65	2.69
TIO2	0.06	0.92	0.71	0.82	0.67	0.70
P2O5	0.02	0.59	0.39	0.57	0.51	0.30
CR2O3	0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01
LOI	0.85	6.00	6.62	5.70	6.54	8.31
TOTAL	98.67	98.66	98.86	100.13	99.17	99.08
RB	146.00	137.00	65.00	205.00	105.00	85.00
SR	51.00	1170.00	428.00	63.00	184.00	481.00
Y	42.00	23.00	16.00	22.00	< 10.00	< 10.00
ZR	76.00	126.00	40.00	56.00	59.00	34.00
NB	49.00	40.00	16.00	< 10.00	16.00	< 10.00
BA	232.00	1730.00	570.00	1460.00	587.00	581.00

KIDD CREEK MINES - WHOLE ROCK DATABASE

WHOLE ROCK SAMPLES SWIFT/GUS PROJECT							
Sample No.	Field No.	Proj Code	Prov	NTS	Township	Rock Description Field Name	Sampled by
AD03705	87103EG2124	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MASSIVE. PERVASIVE,SULPHIDE ALTERATION,STRONG. NIL.	ERIC GRILL
AD03706	87103EG2125	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . FRACTURE CONTROLLED , ARGILLIC ALTERATION,MODERATE. NIL.	ERIC GRILL
AD03707	87103EG2126	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MAFIC PORPHYRITIC,MASSIVE, FELDSPAR PORPHYRITIC. UNKNOWN.	ERIC GRILL
AD03708	87103EG2127	SWIFT		082F3		ALONG FRACTURES ,1-5%,PYRITE. VOLCANICLASTIC,MAFIC,ASH . MASSIVE. FRACTURE CONTROLLED ,CARBONATIZATION, MODERATE.	ERIC GRILL
AD03712	87103EG19148	SWIFT		082F3		DISSEMINATED AND BLEBS,<1%,PYRITE. VOLCANICLASTIC,MAFIC,ASH . FELDSPAR PORPHYRITIC, MAFIC PORPHYRITIC,MASSIVE. PERVASIVE,ARGILLIC ALTERATION, MODERATE.	ERIC GRILL
AD03713	87103EG19149	SWIFT		082F3		NIL. VOLCANICLASTIC,MAFIC,ASH . PERVASIVE,ARGILLIC ALTERATION, MODERATE. NIL.	ERIC GRILL

KIDD CREEK MINES-WHOLE ROCK DATABASE

WHOLE ROCK SAMPLES SWIFT/GUS PROJECT						
SAMP NO.->	AD03705	AD03706	AD03707	AD03708	AD03712	AD03713
SIO2	52.20	55.80	44.90	53.00	53.40	64.10
AL2O3	17.30	18.80	15.30	17.70	17.50	14.50
FE2O3	10.30	9.91	10.30	9.23	9.58	7.49
MNO	0.17	0.21	0.33	0.23	0.17	0.16
MGO	1.54	1.01	3.61	3.86	1.57	1.12
CAO	2.08	0.80	6.20	1.90	2.04	0.53
NA2O	5.16	2.03	0.76	3.30	4.80	5.36
K2O	4.00	5.54	6.02	3.75	3.86	1.68
TIO2	0.84	0.83	0.75	0.91	0.86	0.61
P2O5	0.32	0.28	0.41	0.27	0.35	0.32
CR2O3	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
LOI	5.16	4.62	9.31	4.70	4.16	2.85
TOTAL	99.07	99.83	97.89	98.85	98.29	98.72
RB	107.00	167.00	150.00	129.00	94.00	49.00
SR	236.00	52.00	298.00	99.00	328.00	110.00
Y	10.00	21.00	23.00	26.00	< 10.00	< 10.00
ZR	45.00	32.00	28.00	82.00	50.00	49.00
NB	16.00	21.00	< 10.00	19.00	15.00	< 10.00
BA	685.00	724.00	1690.00	1000.00	846.00	455.00

KIDD CREEK MINES - WHOLE ROCK DATABASE

WHOLE ROCK SAMPLES SWIFT/GUS PROJECT						Rock Description Field Name	Sampled by
Sample No.	Field No.	Proj Code	Prov	NTS	Township		
AD03714	87103EG19150	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . PERVASIVE,SILICIFICATION,WEAK. DISSEMINATED AND BLEBS,1-5%, SPHALERITE.	ERIC GRILL
AD03715	87103EG19151	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . PERVASIVE,ARGILLIC ALTERATION,STRONG. NIL.	ERIC GRILL
AD03716	87103EG19152	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . PERVASIVE,ARGILLIC ALTERATION, MODERATE. NIL.	ERIC GRILL
AD03717	87103EG19153	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MASSIVE. PERVASIVE,PROPYLITIZATION,WEAK. NIL.	ERIC GRILL
AD03718	87103EG9165	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MAFIC PORPHYRITIC,MATRIX SUPPORTED, MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION,MODERATE.	ERIC GRILL
AD03719	87103EG9166	SWIFT		082F3		DISSEMINATED AND BLEBS,1-5%,PYRITE. VOLCANICLASTIC,MAFIC,ASH . MATRIX SUPPORTED,MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION,MODERATE. DISSEMINATED AND BLEBS,1-5%,PYRITE.	ERIC GRILL

KIDD CREEK MINES-WHOLE ROCK DATABASE

WHOLE ROCK SAMPLES SWIFT/GUS PROJECT						
SAMP NO.-->	AD03714	AD03715	AD03716	AD03717	AD03718	AD03719
SI02	53.20	55.10	50.50	50.80	52.60	55.80
AL2O3	6.74	15.60	12.50	11.00	17.10	20.20
FE2O3	9.53	10.20	11.80	12.40	11.70	7.12
MNO	0.24	0.21	0.19	0.24	0.11	0.04
MGO	3.80	3.74	11.80	13.30	4.77	2.02
CAO	9.40	1.74	2.18	4.43	0.61	0.83
NA2O	1.37	5.22	0.86	1.22	3.76	0.87
K2O	1.48	1.56	2.89	0.94	2.22	6.36
TIO2	0.40	0.77	0.85	0.75	0.87	0.77
P2O5	0.15	0.31	0.42	0.32	0.41	0.46
CR2O3	0.04	< 0.01	0.08	0.06	< 0.01	< 0.01
LOI	13.54	4.24	5.70	4.93	5.47	5.31
TOTAL	99.89	98.69	99.77	100.39	99.62	99.79
RB	41.00	53.00	111.00	29.00	79.00	213.00
SR	386.00	198.00	257.00	196.00	337.00	106.00
Y	< 10.00	34.00	16.00	< 10.00	< 10.00	< 10.00
ZR	< 10.00	52.00	80.00	14.00	40.00	55.00
NB	16.00	12.00	< 10.00	12.00	11.00	< 10.00
BA	521.00	619.00	829.00	607.00	493.00	703.00

KIDD CREEK MINES - WHOLE ROCK DATABASE

WHOLE ROCK SAMPLES SWIFT/GUS PROJECT							
Sample No.	Field No.	Proj Code	Prov	NTS	Township	Rock Description Field Name	Sampled by
AD03720	87103EG9167	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MASSIVE. PERVASIVE, SILICIFICATION,MODERATE. NIL.	ERIC GRILL
AD03721	87103EG9168	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . PERVASIVE,CARBONATIZATION,WEAK. NIL.	ERIC GRILL
AD03722	87103EG9169	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MASSIVE. PERVASIVE,ARGILLIC ALTERATION,WEAK. NIL.	ERIC GRILL
AD03723	87103EG9170	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MASSIVE. PERVASIVE,PROPYLITIZATION,WEAK. NIL.	ERIC GRILL
AD03729	87103EG0013	SWIFT		082F3		PLUTONIC,FELSIC OR LEUCOCRATIC,FINE. FELDSPAR PORPHYRITIC. PERVASIVE,CHLORITIZATION,WEAK.	ERIC GRILL
AD03732	87103EB0009	SWIFT		082F3		VOLCANICLASTIC,MAFIC,LAPILLI . MATRIX SUPPORTED. PERVASIVE,BLEACHING,STRONG.	EBO BAKKER

KIDD CREEK MINES-WHOLE ROCK DATABASE

WHOLE ROCK SAMPLES SWIFT/GUS PROJECT						
SAMP NO.-->	AD03720	AD03721	AD03722	AD03723	AD03729	AD03732
SIO2	50.50	53.50	49.20	55.00	69.10	45.50
AL2O3	17.50	17.70	16.70	18.90	16.10	16.40
FE2O3	10.70	8.66	12.40	8.50	1.78	10.30
MNO	0.18	0.17	0.27	0.05	0.09	0.23
MGO	6.44	3.42	6.37	2.97	0.12	2.34
CAO	1.76	2.25	4.57	0.98	1.00	7.27
NA2O	2.71	0.46	1.89	3.59	5.48	1.16
K2O	3.25	5.42	1.67	2.63	3.92	5.27
TIO2	0.73	0.70	0.83	1.37	0.22	0.76
P2O5	0.40	0.41	0.42	1.02	0.12	0.40
CR2O3	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
LOI	5.31	5.93	5.70	4.16	1.47	9.93
TOTAL	99.49	98.62	100.02	99.17	99.40	99.56
RB	112.00	178.00	75.00	89.00	100.00	141.00
SR	272.00	64.00	490.00	229.00	263.00	209.00
Y	23.00	< 10.00	28.00	23.00	21.00	15.00
ZR	52.00	45.00	43.00	149.00	291.00	28.00
NB	20.00	13.00	16.00	35.00	40.00	< 10.00
BA	802.00	827.00	592.00	684.00	1290.00	782.00

KIDD CREEK MINES - WHOLE ROCK DATABASE

WHOLE ROCK SAMPLES SWIFT/GUS PROJECT

Sample No.	Field No.	Proj Code	Prov	NTS	Township	Rock Description Field Name	Sampled by
AD03733	87103EB0010	SWIFT		082F3		VOLCANICLASTIC, MAFIC, LAPILLI . MASSIVE. PERVASIVE, CARBONATIZATION, WEAK.	EBO BAKKER
AD03734	87103EB0011	SWIFT		082F3		VOLCANICLASTIC, MAFIC, ASH . PERVASIVE, CHLORITIZATION, WEAK.	EBO BAKKER
AD03735	87103EB0012	SWIFT		082F3		PLUTONIC, FELSIC OR LEUCOCRATIC, MEDIUM. INEQUIGRANULAR, MASSIVE. UNKNOWN.	EBO BAKKER
AD03741	87103EB0020	SWIFT		082F3		VOLCANICLASTIC, MAFIC, ASH . MASSIVE. UNKNOWN. NIL.	EBO BAKKER
AD03745	87103EB0024	SWIFT		082F3		VOLCANICLASTIC, MAFIC, ASH . PERVASIVE, SILICIFICATION, WEAK. NIL.	EBO BAKKER

KIDD CREEK MINES-WHOLE ROCK DATABASE

WHOLE ROCK SAMPLES SWIFT/GUS PROJECT

SAMP NO.-->	AD03733	AD03734	AD03735	AD03741	AD03745
SIO2	50.10	48.30	62.70	48.70	46.70
AL2O3	16.70	16.30	15.90	14.30	12.20
FE2O3	10.60	10.80	3.65	10.50	7.53
MNO	0.28	0.30	0.09	0.19	0.22
MGO	5.84	5.47	0.80	7.13	3.66
CAO	2.88	4.07	2.82	5.38	8.77
NA2O	3.50	3.90	4.16	2.94	3.28
K2O	2.88	2.58	5.12	2.62	3.48
TIO2	0.76	0.86	0.45	0.81	0.66
P2O5	0.37	0.40	0.18	0.34	0.26
CR2O3	< 0.01	< 0.01	< 0.01	0.01	< 0.01
LOI	4.77	5.85	2.70	6.62	12.70
TOTAL	98.69	98.84	98.57	99.54	99.46
RB	71.00	87.00	114.00	143.00	62.00
SR	329.00	341.00	831.00	530.00	412.00
Y	19.00	15.00	13.00	< 10.00	< 10.00
ZR	35.00	27.00	124.00	34.00	17.00
NB	21.00	11.00	32.00	< 10.00	14.00
BA	1190.00	536.00	1090.00	745.00	664.00

KIDD CREEK MINES - WHOLE ROCK DATABASE

WHOLE ROCK SAMPLES		SWIFT/GUS PROJECT				Rock Description	
Sample No.	Field No.	Proj Code	Prov	NTS	Township	Field Name	Sampled by
AD03753	87112EG2706	ACEIN		082F3		VOLCANICLASTIC, MAFIC, BLOCK.	ERIC GRILL
AD03760	87112EG2507	ACEIN		082F3		PERVASIVE, PROPYLITIZATION, WEAK. SEDIMENTARY, CHERT, CLAY. BEDDED.	ERIC GRILL
AD03761	87112EG2508	ACEIN		082F3		PERVASIVE, PROPYLITIZATION, WEAK. DISSEMINATED AND BLEBS, 1-5%, PYRITE. VOLCANICLASTIC, MAFIC, ASH . MAFIC PORPHYRITIC, MATRIX SUPPORTED, BEDDED.	ERIC GRILL
AD03762	87112EG2509	ACEIN		082F3		PERVASIVE, PROPYLITIZATION, WEAK. NIL. VOLCANICLASTIC, MAFIC, ASH .	ERIC GRILL
AD03791	87112EG3007	ACEIN		082F3		PERVASIVE, PROPYLITIZATION, WEAK. DISSEMINATED AND BLEBS, <1%, PYRITE. VOLCANICLASTIC, MAFIC, ASH .	ERIC GRILL
AD03792	87112EG3008	ACEIN		082F3		PERVASIVE, ARGILLIC ALTERATION, WEAK. NIL. VOLCANICLASTIC, MAFIC, ASH .	ERIC GRILL
						FRACTURE CONTROLLED , SULPHIDE ALTERATION, WEAK. NIL.	

KIDD CREEK MINES-WHOLE ROCK DATABASE

WHOLE ROCK ANALYTICAL DATA SWIFT/GUS PROJECT						
SAMP NO.-->	AD03753	AD03760	AD03761	AD03762	AD03791	AD03792
SIO2	48.10	47.80	60.00	52.30	57.40	54.10
AL2O3	15.80	12.50	16.40	16.40	18.00	17.70
FE2O3	9.04	12.40	6.70	8.47	8.64	8.08
MNO	0.16	0.33	0.13	0.19	0.16	0.15
MGO	4.03	8.26	2.70	4.70	3.35	3.13
CAO	7.97	11.30	5.60	7.25	1.19	3.65
NA2O	2.06	1.27	2.46	2.90	3.23	2.64
K2O	3.11	1.86	2.42	3.08	2.74	3.00
TIO2	0.66	0.82	0.63	0.72	0.79	0.75
P2O5	0.40	0.24	0.19	0.43	0.25	0.24
CR2O3	< 0.01	0.01	0.01	< 0.01	< 0.01	< 0.01
LOI	8.47	2.31	2.70	3.54	3.77	5.47
TOTAL	99.80	99.10	99.94	99.99	99.53	98.91
RB	96.00	56.00	83.00	83.00	114.00	102.00
SR	308.00	271.00	219.00	279.00	215.00	207.00
Y	18.00	< 10.00	23.00	26.00	31.00	19.00
ZR	41.00	12.00	51.00	47.00	68.00	58.00
NB	11.00	19.00	12.00	< 10.00	< 10.00	< 10.00
BA	896.00	304.00	376.00	534.00	821.00	896.00

KIDD CREEK MINES - WHOLE ROCK DATABASE

WHOLE ROCK SAMPLES SWIFT/GUS PROJECT							
Sample No.	Field No.	Proj Code	Prov	NTS	Township	Rock Description Field Name	Sampled by
AD03793	87112EG3009	ACEIN		082F3		VOLCANICLASTIC,MAFIC,ASH . PERVASIVE,ARGILLIC ALTERATION, MODERATE. NIL.	ERIC GRILL
AD03794	87112EG3010	ACEIN		082F3		VOLCANICLASTIC,MAFIC,ASH . FRACTURE CONTROLLED ,SILICIFICATION, MODERATE. DISSEMINATED AND BLEBS,1-5%,PYRITE.	ERIC GRILL

KIDD CREEK MINES-WHOLE ROCK DATABASE

WHOLE ROCK ANALYTICAL DATA SWIFT/GUS PROJECT		
SAMP NO.-->	AD03793	AD03794
SI02	55.20	53.30
AL203	19.30	19.00
FE203	9.40	8.96
MNO	0.21	0.19
MGO	1.55	2.21
CAO	0.78	2.92
NA2O	5.92	4.10
K2O	1.35	2.60
TIO2	0.73	0.80
P2O5	0.56	0.32
CR203	< 0.01	< 0.01
LOI	4.16	4.85
TOTAL	99.16	99.25
RB	68.00	89.00
SR	396.00	305.00
Y	10.00	14.00
ZR	57.00	70.00
NB	19.00	19.00
BA	467.00	668.00

APPENDIX 6

Trench Sample Descriptions >500 ppb Au

KIDD CREEK MINES - WHOLE ROCK DATABASE

TRENCH SAMPLES AU > 500 PPB SWIFT/GUS PROJECT							
Sample No.	Field No.	Proj Code	Prov	NTS	Township	Rock Description Field Name	Sampled by
AD03358	87139EG2A	GUS		082F03		VEIN, QUARTZ, MEDIUM.	E. GRILL
						UNKNOWN. NIL.	
AD03405	87139EG414	GUS		082F3		VOLCANICLASTIC, MAFIC, ASH . MAFIC PORPHYRITIC, MATRIX SUPPORTED, CRYSTAL. FRACTURE CONTROLLED , SULPHIDE ALTERATION, STRONG.	ERIC GRILL
						NIL.	
AD03450	87139EG6C	GUS		082F3		VEIN, QUARTZ, MEDIUM.	ERIC GRILL
						UNKNOWN. NIL.	
AD03504	87139EG322	GUS		082F3		VOLCANICLASTIC, MAFIC, ASH . MAFIC PORPHYRITIC, MATRIX SUPPORTED, CRYSTAL. PERVASIVE, SULPHIDE ALTERATION, STRONG.	ERIC GRILL
						NIL.	
AD03543	87103EG9100	SWIFT		082F3		VOLCANICLASTIC, MAFIC, ASH . MATRIX SUPPORTED, CRYSTAL, MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION, MODERATE.	ERIC GRILL
						DISSEMINATED AND BLEBS, <1%, PYRITE.	
AD03548	87103EG1902	SWIFT		082F3		VOLCANICLASTIC, MAFIC, ASH . FRACTURE CONTROLLED , SULPHIDE ALTERATION, STRONG.	ERIC GRILL

KIDD CREEK MINES-WHOLE ROCK DATABASE

TRENCH SAMPLES AU > 500 PPB SWIFT/GUS PROJECT						
SAMP NO. ->	AD03358	AD03405	AD03450	AD03504	AD03543	AD03548
AU	1270.00	1270.00	6410.00	680.00	600.00	2020.00
AG	3.80	2.50	5.20	0.70	1.10	0.10

KIDD CREEK MINES - WHOLE ROCK DATABASE

TRENCH SAMPLES AU > 500 PPB SWIFT/GUS PROJECT							
Sample No.	Field No.	Proj Code	Prov	NTS	Township	Rock Description Field Name	Sampled by
ADO3591	87103EG1926	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MAFIC PORPHYRITIC,MATRIX SUPPORTED, MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION,STRONG. DISSEMINATED AND BLEBS,<1%,PYRITE.	ERIC GRILL
ADO3593	87103EG1930	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MAFIC PORPHYRITIC,MATRIX SUPPORTED, MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION,STRONG. DISSEMINATED AND BLEBS,<1%,PYRITE.	ERIC GRILL
ADO3596	87103EG1936	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MAFIC PORPHYRITIC,MATRIX SUPPORTED, MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION,STRONG. DISSEMINATED AND BLEBS,<1%,PYRITE.	ERIC GRILL
ADO3597	87103EG1938	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MATRIX SUPPORTED,MAFIC PORPHYRITIC, MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION,STRONG. DISSEMINATED AND BLEBS,<1%,PYRITE.	ERIC GRILL
ADO3598	87103EG1940	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MAFIC PORPHYRITIC,MATRIX SUPPORTED, MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION,STRONG. DISSEMINATED AND BLEBS,<1%,PYRITE.	ERIC GRILL
ADO3599	87103EG1942	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MATRIX SUPPORTED,MAFIC PORPHYRITIC, MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION,STRONG. DISSEMINATED AND BLEBS,<1%,PYRITE.	ERIC GRILL

KIDD CREEK MINES-WHOLE ROCK DATABASE

TRENCH SAMPLES AU > 500 PPB SWIFT/GUS PROJECT						
SAMP NO.->	ADO3591	ADO3593	ADO3596	ADO3597	ADO3598	ADO3599
AU	820.00	1300.00	720.00	2160.00	620.00	740.00
AG	0.10	0.60	0.30	0.40	0.30	0.40

KIDD CREEK MINES - WHOLE ROCK DATABASE

TRENCH SAMPLES AU > 500 PPB SWIFT/GUS PROJECT							
Sample No.	Field No.	Proj Code	Prov	NTS	Township	Rock Description Field Name	Sampled by
AD03603	87103EG1950	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MAFIC PORPHYRITIC,MATRIX SUPPORTED, MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION,STRONG. DISSEMINATED AND BLEBS,<1%,PYRITE.	ERIC GRILL
AD03604	87103EG1952	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MAFIC PORPHYRITIC,MATRIX SUPPORTED, MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION,STRONG. DISSEMINATED AND BLEBS,<1%,PYRITE.	ERIC GRILL
AD03605	87103EG1954	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MAFIC PORPHYRITIC,MATRIX SUPPORTED, MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION,STRONG. DISSEMINATED AND BLEBS,<1%,PYRITE.	ERIC GRILL
AD03606	87103EG1956	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MAFIC PORPHYRITIC,MATRIX SUPPORTED, MASSIVE. PERSVASIVE,ARGILLIC ALTERATION,STRONG. NIL.	ERIC GRILL
AD03607	87103EG1958	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MAFIC PORPHYRITIC,MATRIX SUPPORTED, MASSIVE. PERSVASIVE,ARGILLIC ALTERATION,STRONG. NIL.	ERIC GRILL
AD03608	87103EG1960	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MAFIC PORPHYRITIC,MATRIX SUPPORTED, MASSIVE. PERSVASIVE,ARGILLIC ALTERATION,STRONG. NIL.	ERIC GRILL

KIDD CREEK MINES-WHOLE ROCK DATABASE

TRENCH SAMPLES AU > 500 PPB SWIFT/GUS PROJECT						
SAMP NO. ->	AD03603	AD03604	AD03605	AD03606	AD03607	AD03608
AU	660.00	1650.00	880.00	1100.00	840.00	600.00
AG	0.40	0.20	0.40	0.40	0.30	0.20

KIDD CREEK MINES - WHOLE ROCK DATABASE

TRENCH SAMPLES AU > 500 PPB SWIFT/GUS PROJECT							
Sample No.	Field No.	Proj Code	Prov	NTS	Township	Rock Description Field Name	Sampled by
AD03614	87103EG1979	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MASSIVE. PERVASIVE,ARGILLIC ALTERATION, MODERATE. NIL.	ERIC GRILL
AD03668	87103EG2008	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . PERVASIVE,SILICIFICATION,MODERATE. NIL.	ERIC GRILL
AD03669	87103EG2009	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MASSIVE. PERVASIVE,SILICIFICATION,MODERATE. NIL.	ERIC GRILL
AD03677	87103EG2302	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . FELDSPAR PORPHYRITIC,MATRIX SUPPORTED, MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION,MODERATE. DISSEMINATED AND BLEBS, <1%,PYRITF.	ERIC GRILL
AD03678	87103EG2303	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . FELDSPAR PORPHYRITIC,MATRIX SUPPORTED, MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION,MODERATE. DISSEMINATED AND BLEBS, <1%,PYRITE.	ERIC GRILL
AD03679	87103EG2304	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . FELDSPAR PORPHYRITIC,MATRIX SUPPORTED, MASSIVE. FRACTURE CONTROLLED , SULPHIDE ALTERATION,MODERATE. DISSEMINATED AND BLEBS, 1-5%,PYRITE.	ERIC GRILL

KIDD CREEK MINES-WHOLE ROCK DATABASE

TRENCH SAMPLES AU > 500 PPB SWIFT/GUS PROJECT						
SAMP NO.-->	AD03614	AD03668	AD03669	AD03677	AD03678	AD03679
AU	860.00	840.00	580.00	720.00	2850.00	720.00
AG	0.10	0.90	0.60	0.40	1.70	0.80

KIDD CREEK MINES - WHOLE ROCK DATABASE

TRENCH SAMPLES AU > 500 PPB SWIFT/GUS PROJECT							
Sample No.	Field No.	Proj Code	Prov	NTS	Township	Rock Description Field Name	Sampled by
AD03690	87103EG2109	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . FRACTURE CONTROLLED ,CARBONATIZATION, STRONG. NIL.	ERIC GRILL
AD03692	87103EG2111	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . FRACTURE CONTROLLED ,SILICIFICATION, MODERATE. IN VEINS.	ERIC GRILL
AD03693	87103EG2112	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . FRACTURE CONTROLLED ,CARBONATIZATION, MODERATE. NIL.	ERIC GRILL
AD03694	87103EG2113	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . MAFIC PORPHYRITIC, FELDSPAR PORPHYRITIC,MATRIX SUPPORTED. FRACTURE CONTROLLED ,CARBONATIZATION, MODERATE. NIL.	ERIC GRILL
AD03699	87103EG2118	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . FELDSPAR PORPHYRITIC, MAFIC PORPHYRITIC,MATRIX SUPPORTED. FRACTURE CONTROLLED ,CARBONATIZATION, MODERATE. NIL.	ERIC GRILL
AD03700	87103EG2119	SWIFT		082F3		VOLCANICLASTIC,MAFIC,ASH . FELDSPAR PORPHYRITIC, MAFIC PORPHYRITIC,MATRIX SUPPORTED. FRACTURE CONTROLLED ,CARBONATIZATION, MODERATE. NIL.	ERIC GRILL

KIDD CREEK MINES-WHOLE ROCK DATABASE

TRENCH SAMPLES AU > 500 PPB SWIFT/GUS PROJECT						
SAMP NO. ->	AD03690	AD03692	AD03693	AD03694	AD03699	AD03700
AU	540.00	680.00	100100.00	1370.00	960.00	8470.00
AG	1.00	2.30	18.00	3.20	0.40	1.20

KIDD CREEK MINES - WHOLE ROCK DATABASE

TRENCH SAMPLES AU > 500 PPB SWIFT/GUS PROJECT							
Sample No.	Field No.	Proj Code	Prov	NTS	Township	Rock Description Field Name	Sampled by
AD03751	87139EG679	GUS		082F3		VEIN, QUARTZ, MEDIUM.	ERIC GRILL
						UNKNOWN.	
AD03768	87139EG423	GUS		082F3		DISSEMINATED AND BLEBS, <1%, PYRITE. VOLCANICLASTIC, MAFIC, ASH . MAFIC PORPHYRITIC, FELDSPAR PORPHYRITIC. PERVASIVE, ARGILLIC ALTERATION, STRONG.	ERIC GRILL
AD03778	87139EG434	GUS		082F3		NIL. VOLCANICLASTIC, MAFIC, ASH . MAFIC PORPHYRITIC. PERVASIVE, ARGILLIC ALTERATION, LOOK AT COMMENTS.	ERIC GRILL
AD03789	87112EG3005	ACEIN		082F3		VOLCANICLASTIC, MAFIC, ASH . PERVASIVE, ARGILLIC ALTERATION, MODERATE.	ERIC GRILL
						NIL.	
AD03795	87112EG3011	ACEIN		082F3		VOLCANICLASTIC, MAFIC, ASH . MASSIVE. FRACTURE CONTROLLED , CARBONATIZATION, MODERATE. DISSEMINATED AND BLEBS, 1-5%, PYRITE.	ERIC GRILL

KIDD CREEK MINES-WHOLE ROCK DATABASE

TRENCH SAMPLES AU > 500 PPB SWIFT/GUS PROJECT					
SAMP NO.-->	AD03751	AD03768	AD03778	AD03789	AD03795
AU	2091.40	540.00	1097.10	1817.10	1782.80
AG	2.60	2.80	1.40	1.90	0.60

APPENDIX 7

Listing of Au/Ag values per Trench

ANALYTICAL DATA - TRENCH SAMPLES

SAMPLE NUMBER	AG ppm	AU ppb	SAMPLE INTERVAL * metres
TRENCH 2			
AD03351	0.70	10.00	
AD03352	0.40	220.00	
AD03353	0.10	10.00	
AD03354	0.20	<5.00	
AD03355	<0.10	25.00	
AD03356	0.10	<5.00	
AD03357	<0.10	<5.00	
AD03358	3.80	1270.00	0.10
TRENCH 3			
AD03501	<0.10	15.00	
AD03502	<0.10	15.00	
AD03503	0.10	130.00	
AD03504	0.70	680.00	
AD03505	<0.10	20.00	
AD03506	<0.10	10.00	
AD03507	<0.10	10.00	
AD03508	<0.10	20.00	
AD03509	0.10	35.00	
AD03510	0.20	50.00	
AD03511	0.20	30.00	
AD03512	0.60	120.00	
AD03513	0.10	15.00	
TRENCH 4			
AD03399	0.20	30.00	
AD03400	0.60	30.00	
AD03401	0.80	55.00	
AD03402	1.80	60.00	
AD03403	1.10	55.00	
AD03404	1.10	55.00	
AD03405	2.50	1270.00	2.50
AD03406	0.20	20.00	
AD03407	0.70	70.00	
AD03408	0.60	15.00	
AD03409	0.10	<5.00	
AD03768	2.80	540.00	
AD03769	0.70	170.00	
AD03770	0.50	25.00	
AD03771	0.70	120.00	
AD03772	0.70	50.00	
AD03773	0.10	15.00	
AD03774	0.20	5.00	
AD03775	1.60	35.00	
AD03776	0.10	15.00	
AD03777	0.10	15.00	

* ALL SAMPLE INTERVALS 2.0 METRES UNLESS INDICATED

SAMPLE NUMBER	AG ppm	AU ppb	SAMPLE INTERVAL * metres
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TRENCH 4

AD03778	1.40	1097.10	
AD03779	<0.10	20.00	
AD03780	<0.10	10.00	
AD03781	<0.10	10.00	
AD03782	<0.10	10.00	

TRENCH 5

AD03359	0.20	45.00	
AD03360	<0.10	5.00	
AD03361	0.30	5.00	
AD03362	0.20	40.00	
AD03363	<0.10	35.00	
AD03364	<0.10	15.00	
AD03410	<0.10	10.00	
AD03411	<0.10	10.00	
AD03412	<0.10	<5.00	
AD03413	0.10	<5.00	
AD03414	0.10	<5.00	
AD03415	<0.10	5.00	
AD03416	0.80	110.00	
AD03417	<0.10	<5.00	
AD03418	<0.10	<5.00	
AD03452	<0.10	30.00	
AD03453	<0.10	30.00	
AD03454	<0.10	5.00	
AD03455	<0.10	15.00	
AD03456	<0.10	25.00	
AD03457	<0.10	50.00	
AD03458	<0.10	30.00	
AD03459	0.10	20.00	
AD03460	<0.10	10.00	
AD03461	<0.10	15.00	
AD03462	<0.10	10.00	
AD03463	0.10	<5.00	
AD03464	0.10	5.00	
AD03465	0.50	5.00	
AD03466	0.40	5.00	
AD03467	0.40	<5.00	
AD03468	1.00	<5.00	
AD03469	1.10	20.00	
AD03470	0.90	5.00	
AD03471	0.80	10.00	
AD03482	1.30	15.00	

* ALL SAMPLE INTERVALS 2.0 METRES UNLESS INDICATED

SAMPLE NUMBER	AG ppm	AU ppb	SAMPLE INTERVAL * metres
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TRENCH 6

AD03419	0.40	65.00	
AD03420	0.50	400.00	
AD03421	0.60	480.00	
AD03422	0.60	400.00	
AD03423	0.10	45.00	
AD03424	<0.10	40.00	
AD03425	0.10	55.00	
AD03426	0.30	20.00	
AD03427	<0.10	5.00	
AD03428	<0.10	5.00	
AD03429	<0.10	20.00	
AD03430	0.20	15.00	
AD03431	<0.10	10.00	
AD03432	<0.10	35.00	
AD03433	<0.10	35.00	
AD03434	<0.10	25.00	
AD03435	<0.10	20.00	
AD03436	<0.10	5.00	
AD03437	<0.10	15.00	
AD03438	<0.10	35.00	
AD03439	<0.10	25.00	
AD03440	<0.10	35.00	
AD03441	0.20	40.00	
AD03442	0.50	70.00	
AD03443	<0.10	60.00	
AD03444	<0.10	20.00	
AD03445	<0.10	25.00	
AD03446	<0.10	95.00	
AD03447	0.20	45.00	
AD03448	0.30	110.00	0.02
AD03449	0.30	100.00	0.02
AD03450	5.20	6410.00	0.04
AD03451	0.10	35.00	Grab
AD03751	2.60	2091.40	Grab
AD03752	0.40	220.00	Grab

TRENCH 7

AD03472	0.70	130.00	
AD03473	0.40	90.00	1.00
AD03474	<0.10	5.00	
AD03475	0.20	40.00	1.00
AD03476	0.10	25.00	1.50
AD03477	0.10	<5.00	2.50
AD03478	<0.10	<5.00	
AD03479	<0.10	<5.00	
AD03480	<0.10	<5.00	
AD03481	<0.10	5.00	
AD03483	<0.10	30.00	Grab

* ALL SAMPLE INTERVALS 2.0 METRES UNLESS INDICATED

SAMPLE NUMBER	AG ppm	AU ppb	SAMPLE INTERVAL * metres
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TRENCH 7

AD03484	0.10	15.00	
AD03485	<0.10	5.00	
AD03486	<0.10	15.00	
AD03487	<0.10	10.00	
AD03488	<0.10	<5.00	

TRENCH 8

AD03489	1.50	90.00	
AD03490	0.80	45.00	
AD03491	1.20	110.00	
AD03492	0.20	25.00	
AD03493	0.30	50.00	
AD03494	0.60	70.00	
AD03495	1.00	65.00	
AD03496	2.10	200.00	1.00
AD03497	3.60	220.00	1.70
AD03498	0.20	35.00	0.30
AD03499	<0.10	20.00	
AD03500	<0.10	15.00	

TRENCH 9

AD03514	0.20	30.00	
AD03515	0.30	25.00	
AD03516	0.40	35.00	
AD03517	0.60	60.00	
AD03518	0.80	50.00	
AD03519	0.40	25.00	
AD03520	0.40	35.00	
AD03521	1.90	100.00	1.80
AD03522	3.90	60.00	1.80
AD03523	3.30	110.00	
AD03524	5.20	95.00	
AD03525	4.50	80.00	
AD03526	1.70	120.00	
AD03527	1.20	25.00	
AD03528	1.20	50.00	
AD03529	0.90	15.00	
AD03530	0.60	20.00	
AD03531	0.80	20.00	
AD03532	0.80	20.00	
AD03533	0.80	25.00	
AD03534	0.80	60.00	
AD03535	0.20	10.00	
AD03536	0.40	20.00	
AD03537	0.50	15.00	
AD03538	1.50	55.00	
AD03539	1.40	25.00	
AD03540	0.90	20.00	

* ALL SAMPLE INTERVALS 2.0 METRES UNLESS INDICATED

SAMPLE NUMBER	AG ppm	AU ppb	SAMPLE INTERVAL * metres
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TRENCH 9

AD03541	2.20	90.00	
AD03542	1.50	170.00	
AD03543	1.10	600.00	
AD03544	3.60	110.00	
AD03545	1.90	65.00	
AD03551	0.40	55.00	
AD03552	0.20	35.00	
AD03553	0.20	35.00	
AD03554	0.30	25.00	
AD03555	0.50	25.00	
AD03556	1.00	35.00	
AD03557	0.30	20.00	
AD03558	0.30	20.00	
AD03559	<0.10	5.00	
AD03560	<0.10	15.00	
AD03561	0.10	5.00	
AD03562	<0.10	20.00	
AD03563	0.10	25.00	
AD03564	<0.10	15.00	
AD03565	<0.10	25.00	
AD03566	<0.10	15.00	
AD03567	<0.10	15.00	
AD03568	<0.10	25.00	
AD03569	<0.10	20.00	
AD03570	<0.10	15.00	
AD03571	<0.10	25.00	
AD03572	<0.10	15.00	
AD03573	<0.10	30.00	
AD03574	<0.10	20.00	
AD03575	<0.10	10.00	
AD03576	0.40	10.00	
AD03577	<0.10	10.00	
AD03578	<0.10	<5.00	
AD03579	0.10	20.00	
AD03580	0.10	10.00	
AD03581	0.10	10.00	0.03

TRENCH 10

AD03627	0.10	10.00	
AD03628	0.60	75.00	
AD03629	0.40	60.00	
AD03630	<0.10	15.00	
AD03631	<0.10	15.00	
AD03632	0.40	25.00	
AD03633	<0.10	10.00	

* ALL SAMPLE INTERVALS 2.0 METRES UNLESS INDICATED

SAMPLE NUMBER	AG ppm	AU ppb	SAMPLE INTERVAL * metres
TRENCH 10			
AD03634	0.20	10.00	2.50
AD03635	0.10	10.00	
AD03636	0.30	10.00	
AD03637	<0.10	65.00	0.90
AD03638	0.20	15.00	2.40
AD03651	<0.10	10.00	
AD03652	0.10	10.00	
AD03653	0.10	<5.00	
AD03654	<0.10	<5.00	
AD03655	<0.10	<5.00	
AD03656	0.20	10.00	
AD03657	<0.10	<5.00	1.00
AD03658	<0.10	<5.00	
AD03659	0.20	40.00	0.90
AD03660	0.30	65.00	0.04
TRENCH 13			
AD03374	0.20	20.00	
AD03375	<0.10	10.00	0.40
AD03376	0.10	10.00	
AD03377	0.70	<5.00	
AD03378	0.20	<5.00	1.00
TRENCH 14			
AD03365	<0.10	<5.00	
AD03366	0.20	15.00	
AD03367	<0.10	35.00	
AD03368	0.10	60.00	
AD03369	<0.10	15.00	
AD03370	<0.10	10.00	
AD03371	<0.10	35.00	
AD03750	1.40	10.00	
TRENCH 19			
AD03548	0.10	2020.00	
AD03549	<0.10	170.00	
AD03550	0.20	240.00	
AD03582	0.20	260.00	
AD03583	<0.10	300.00	
AD03584	0.20	220.00	
AD03585	<0.10	55.00	
AD03586	<0.10	<5.00	
AD03587	0.10	55.00	
AD03588	<0.10	80.00	
AD03589	<0.10	20.00	

* ALL SAMPLE INTERVALS 2.0 METRES UNLESS INDICATED

SAMPLE NUMBER	AG ppm	AU ppb	SAMPLE INTERVAL * metres
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TRENCH 19

AD03590	<0.10	5.00	
AD03591	0.10	820.00	
AD03592	<0.10	55.00	
AD03593	0.60	1300.00	
AD03594	<0.10	260.00	
AD03595	<0.10	260.00	
AD03596	0.30	720.00	
AD03597	0.40	2160.00	
AD03598	0.30	620.00	
AD03599	0.40	740.00	
AD03600	<0.10	30.00	
AD03601	<0.10	110.00	
AD03602	<0.10	220.00	
AD03603	0.40	660.00	
AD03604	0.20	1650.00	
AD03605	0.40	880.00	
AD03606	0.40	1100.00	
AD03607	0.30	840.00	
AD03608	0.20	600.00	
AD03609	<0.10	50.00	
AD03610	<0.10	15.00	
AD03611	0.10	35.00	
AD03612	<0.10	75.00	
AD03613	<0.10	120.00	
AD03614	0.10	860.00	
AD03710	<0.10	<5.00	
AD03711	<0.10	35.00	

TRENCH 20

AD03661	0.20	15.00	
AD03662	0.40	95.00	
AD03663	0.10	30.00	
AD03664	<0.10	40.00	
AD03665	0.20	60.00	
AD03666	<0.10	55.00	1.00
AD03667	0.10	60.00	
AD03668	0.90	840.00	Grab
AD03669	0.60	580.00	1.60
AD03670	0.20	60.00	1.50
AD03671	0.20	50.00	1.50
AD03672	0.40	55.00	
AD03673	0.30	70.00	
AD03674	0.20	50.00	
AD03675	0.40	400.00	

* ALL SAMPLE INTERVALS 2.0 METRES UNLESS INDICATED

SAMPLE NUMBER	AG ppm	AU ppb	SAMPLE INTERVAL * metres
---------------	--------	--------	--------------------------

TRENCH 21

AD03616	0.30	<5.00	
AD03617	0.40	<5.00	
AD03618	0.50	5.00	1.80
AD03619	0.60	10.00	1.75
AD03620	1.00	20.00	1.75
AD03621	0.60	60.00	
AD03622	1.30	30.00	
AD03623	0.70	60.00	
AD03624	0.40	10.00	
AD03625	0.40	35.00	
AD03626	0.90	80.00	
AD03682	0.80	200.00	1.00
AD03683	0.60	85.00	1.00
AD03684	<0.10	10.00	1.50
AD03685	2.30	190.00	0.70
AD03686	1.00	85.00	1.00
AD03687	0.60	60.00	
AD03688	0.80	260.00	
AD03689	3.00	220.00	
AD03690	1.00	540.00	
AD03691	0.80	50.00	
AD03692	2.30	680.00	
AD03693	18.00	100100.00	
AD03694	3.20	1370.00	
AD03695	1.00	200.00	
AD03696	<0.10	30.00	
AD03697	<0.10	45.00	1.50
AD03698	<0.10	25.00	
AD03699	0.40	960.00	
AD03700	1.20	8470.00	
AD03701	<0.10	180.00	
AD03702	<0.10	20.00	1.50
AD03703	0.30	30.00	0.50

TRENCH 23

AD03676	0.10	20.00	
AD03677	0.40	720.00	
AD03678	1.70	2850.00	1.70
AD03679	0.80	720.00	
AD03680	0.10	100.00	

TRENCH 24

AD03798	0.10	25.00	
AD03799	0.10	25.00	

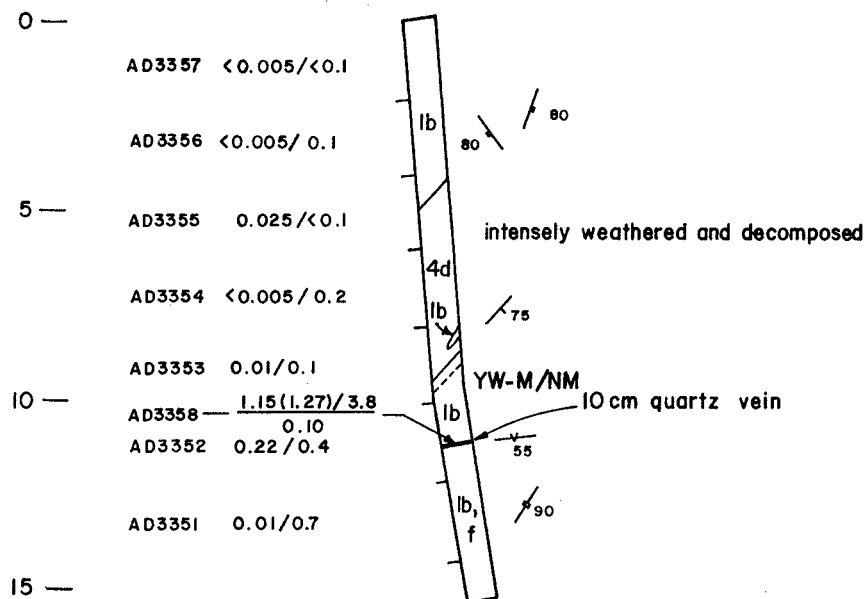
* ALL SAMPLE INTERVALS 2.0 METRES UNLESS INDICATED

SAMPLE NUMBER	AG ppm	AU ppb	SAMPLE INTERVAL * metres
TRENCH 25			
AD03754	<0.10	15.00	
AD03755	<0.10	10.00	
AD03756	<0.10	5.00	
AD03757	<0.10	<5.00	
AD03758	<0.10	5.00	
AD03759	<0.10	<5.00	
TRENCH 26			
AD03763	<0.10	15.00	
AD03764	<0.10	<5.00	
AD03765	<0.10	<5.00	
TRENCH 28			
AD03766	<0.10	<5.00	
AD03767	<0.10	<5.00	
TRENCH 29			
AD03783	<0.10	10.00	
AD03784	<0.10	15.00	
TRENCH 30			
AD03785	<0.10	10.00	
AD03786	0.10	15.00	
AD03787	0.20	25.00	
AD03788	0.30	180.00	
AD03789	1.90	1817.10	
AD03790	<0.10	25.00	
AD03795	0.60	1782.80	
TRENCH 31			
AD03796	0.20	20.00	
AD03797	0.10	15.00	

* ALL SAMPLE INTERVALS 2.0 METRES UNLESS INDICATED

TRENCH NO. 2

Samples AD3351 - 3358



10+00N, 19+20W

FOR LEGEND SEE FIGURE: 6.1

Au^+ (g/t), Ag (g/t)
metres*

trench bottom chip samples

* 2m, if not indicated

+ (by fire assay)

FALCONBRIDGE LTD.

SWIFT & GUS CLAIMS

TRENCH NO. 2

GUS 12 CLAIM

PROJ. 139

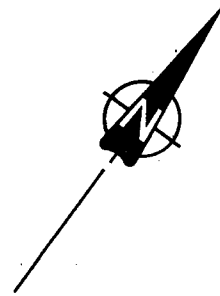
WORK BY EG	DRAWN BY ER	DATE: JULY 8, 1987
<p>SCALE IN METRES 1 : 200</p>		
Figure: 6.2		

24+00W
10+20N

TRENCH NO. 12

0—
5—
10—
15—
20—
25—
30—
35—
40—
45—

24+00W
17+80N



1.7 to 2.0m till
no bedrock exposed
no samples taken

FOR LEGEND SEE FIGURE 6.1

FALCONBRIDGE LTD.

SWIFT & GUS CLAIMS

TRENCH NO. 12

GUS 5 CLAIM

PROJ. 139

WORK BY

DRAWN BY

DATE: JULY 15, 1987

EB

ER

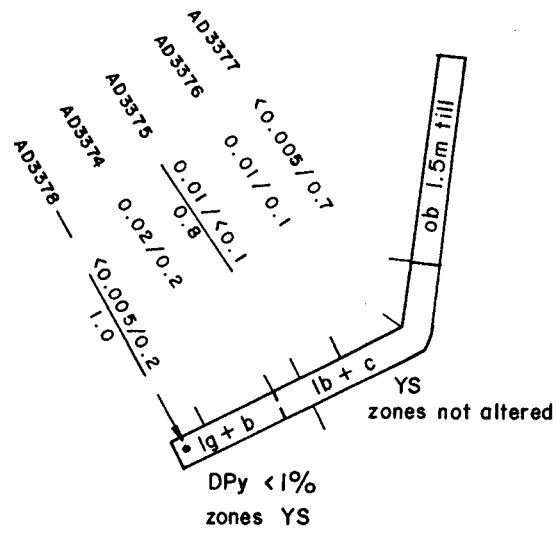
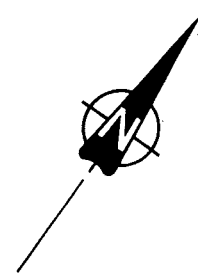
0 5 10

SCALE IN METRES 1: 200

Figure: **6.12**

TRENCH NO. 13
Samples AD3374 - 3378

18+00N
 23+00W

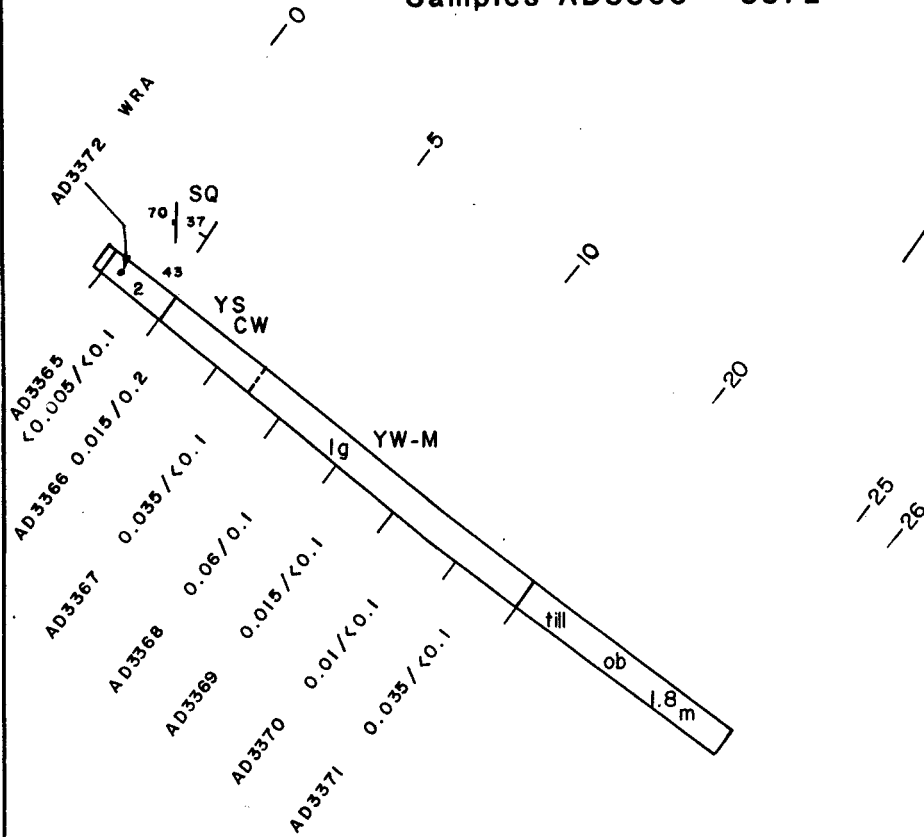


FOR LEGEND SEE FIGURE: 6.1

$\frac{\text{Au (g/t), Ag (g/t)}}{\text{metres}^*}$
 trench bottom chip samples
 * 2m, if not indicated

FALCONBRIDGE LTD.		
SWIFT & GUS CLAIMS		
TRENCH NO. 13		
GUS 5 CLAIM		
PROJ. 139		
WORK BY EB	DRAWN BY ER	DATE: JULY 15, 1987
0 5 10		
Figure: 6.13		

TRENCH NO. 14
Samples AD3365 - 3372



FOR LEGEND SEE FIGURE: 6.1

24+00W
 23+60N

WRA - whole rock analysis

Au (g/t), Ag (g/t)
 metres*

trench bottom chip samples

* 2m, if not indicated

FALCONBRIDGE LTD.

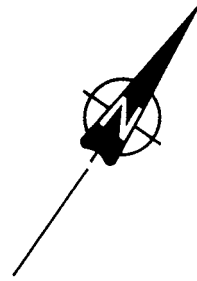
TRENCH NO.14
ACE IN THE HOLE CLAIM
 PROJ. 112

WORK BY	DRAWN BY	DATE: JULY 15, 1987
EB	ER	

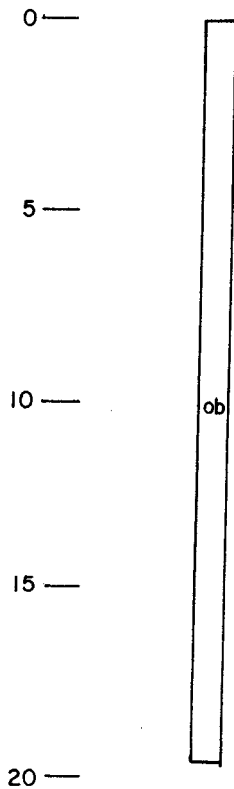
0 5 10
 SCALE IN METRES 1 : 200

Figure: **6.14**

24 + 00W ⊙
23 + 20N ⊙



TRENCH NO. 15



approximately 1.8 m till
no bedrock exposed
no samples taken

FOR LEGEND SEE FIGURE : 6.1

FALCONBRIDGE LTD.

TRENCH NO. 15
ACE IN THE HOLE CLAIM

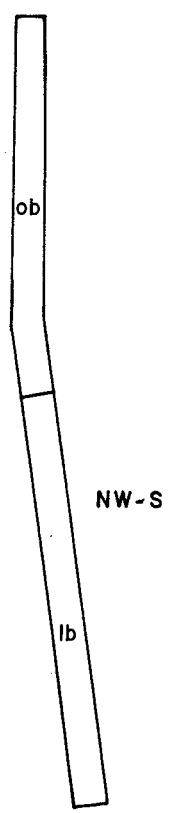
PROJ. 112

WORK BY	DRAWN BY	DATE
EB	ER	JULY 15, 1987

0 ————— 5 ————— 10
SCALE IN METRES 1 : 200

Figure: **6.15**

TRENCH NO. 16



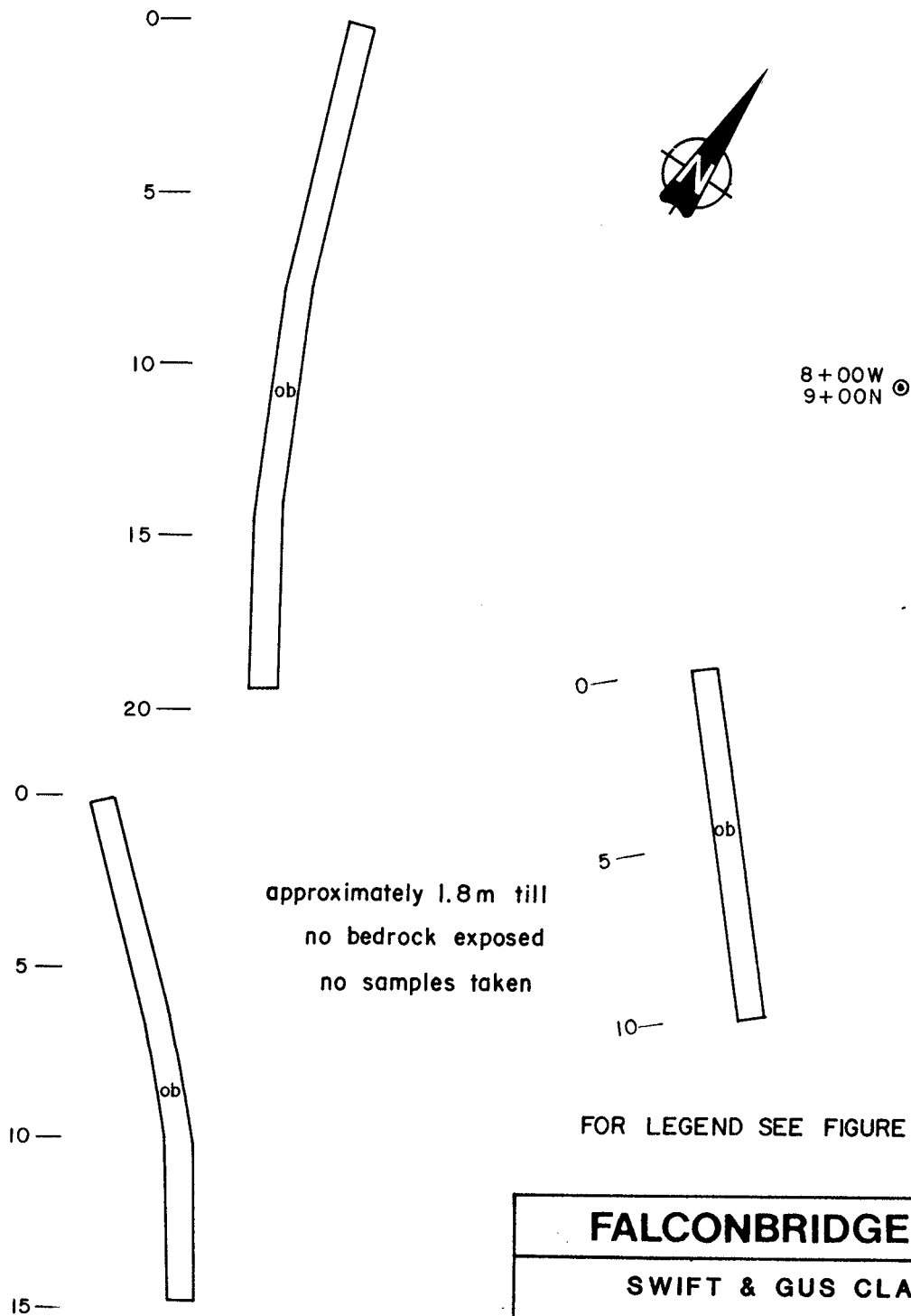
No samples taken

FOR LEGEND SEE FIGURE: 6.1

4+00W
© 16+20N

FALCONBRIDGE LTD.		
SWIFT & GUS CLAIMS		
TRENCH NO. 16		
GUS 13 CLAIM		
PROJ. 139		
WORK BY EG	DRAWN BY ER	DATE: AUGUST, 1987
0 ————— 5 ————— 10 SCALE IN METRES 1:200		
Figure: 6.16		

TRENCH NO. 17

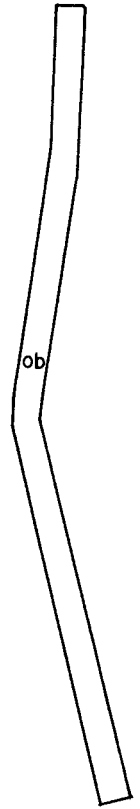
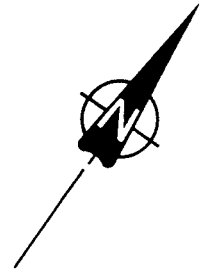


FOR LEGEND SEE FIGURE : 6.1

FALCONBRIDGE LTD.		
SWIFT & GUS CLAIMS		
TRENCH NO. 17		
GUS 9 CLAIM		
PROJ. 139		
WORK BY	DRAWN BY	DATE: JULY 15, 1987
EB	ER	
Figure: 6.17		

2+00W
0+60N ○

TRENCH NO. 18



approximately 1.8m till
no bedrock exposed
no samples taken

inaccessible
(mud)

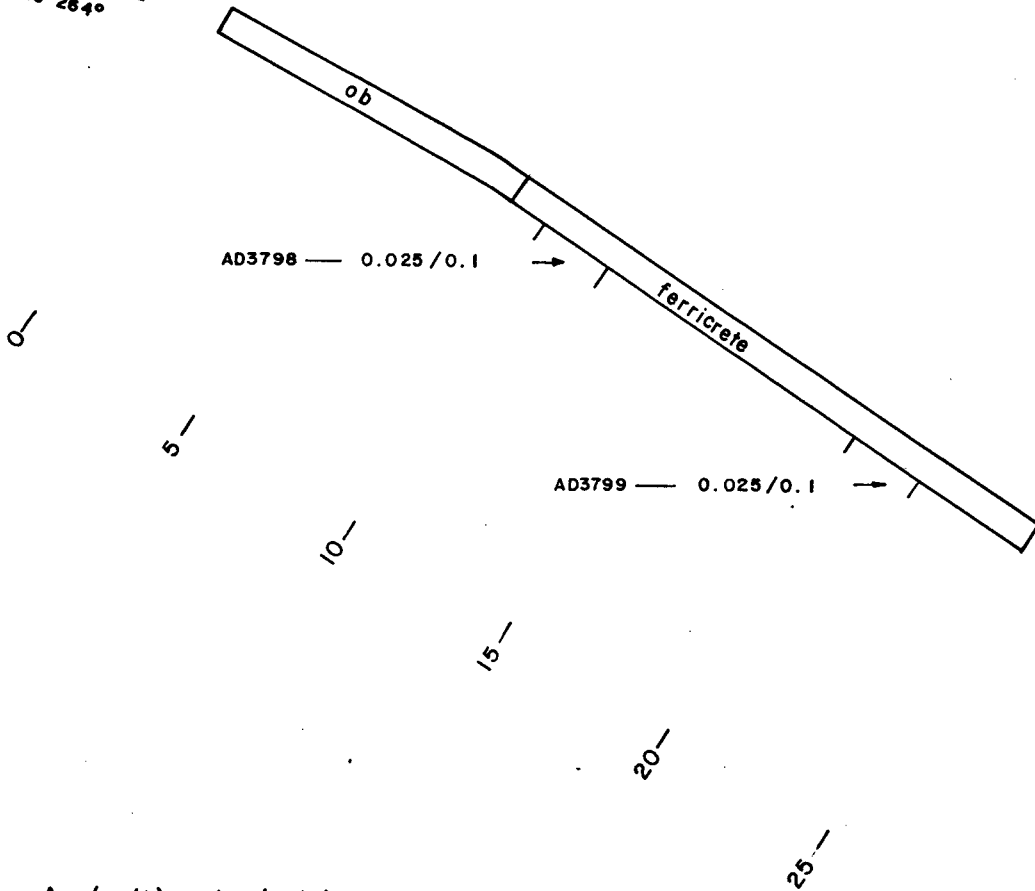
FOR LEGEND SEE FIGURE : 6.1

FALCONBRIDGE LTD.		
SWIFT & GUS CLAIMS		
TRENCH NO. 18		
SWIFT 2 CLAIM		
PROJ.103		
WORK BY	DRAWN BY	DATE: JULY 15, 1987
EB	ER	
0 5 10		
SCALE IN METRES 1:200		
Figure: 6.18		

TRENCH NO. 24

Samples AD3798 & 3799

8+00W, 2+00N
133 m to 264°



FOR LEGEND SEE FIGURE: 6.1

Au (g/t), Ag (g/t)
metres*
trench bottom chip sample
*2m, if not indicated

FALCONBRIDGE LTD.

SWIFT & GUS CLAIMS

TRENCH NO. 24

SWIFT 2 CLAIM

PROJ. 103

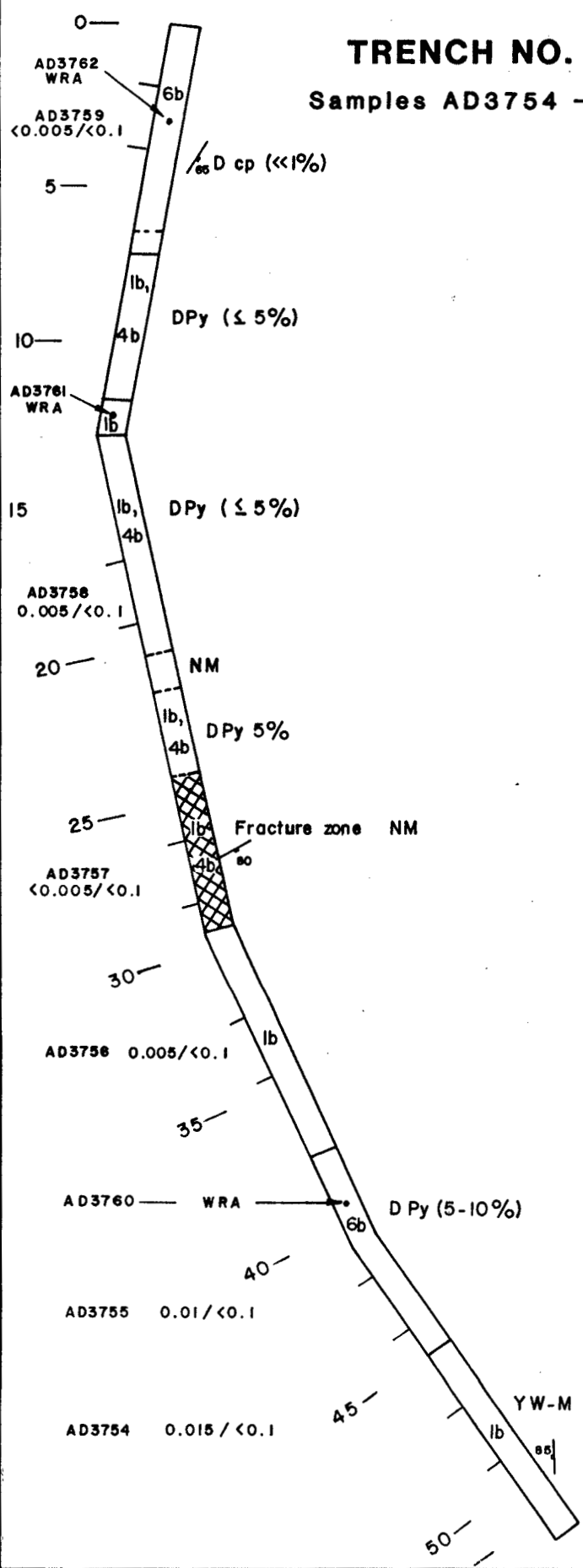
WORK BY EB	DRAWN BY ER	DATE, JULY 20, 1987
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Figure: **6.24**

TRENCH NO. 25

Samples AD3754 - 3762



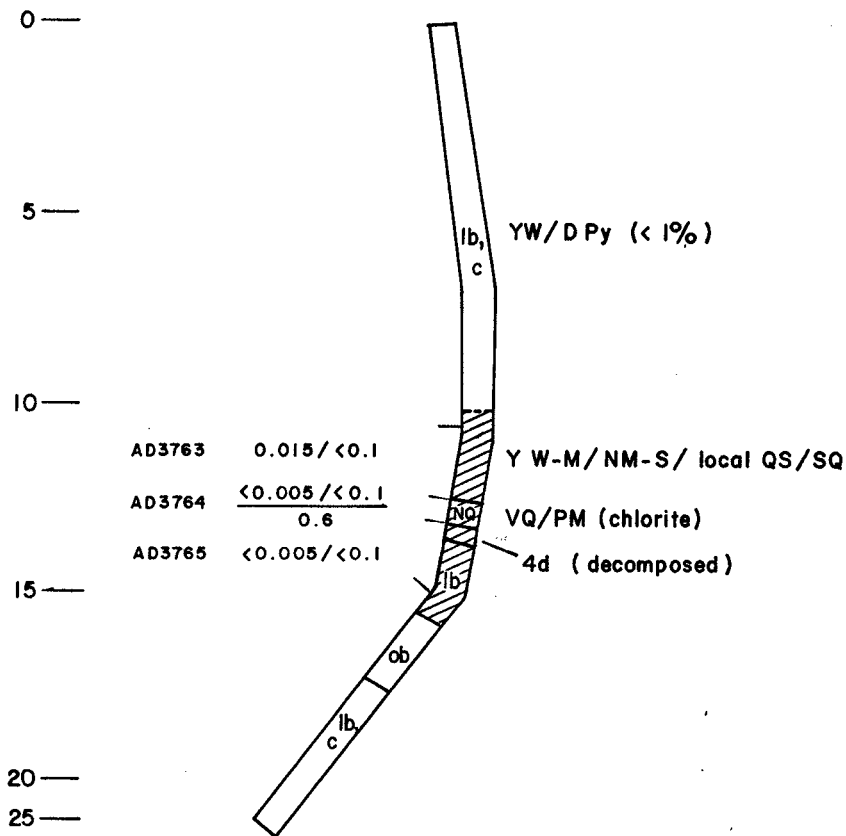
WRA — whole rock analysis
Au (g/t), Ag (g/t)
 metres*
 trench bottom chip samples
 * 2m, if not indicated

FOR LEGEND SEE FIGURE: 6.1

FALCONBRIDGE LTD.		
TRENCH NO. 25		
ACE IN THE HOLE CLAIM		
PROJ. 112		
WORK BY EG	DRAWN BY ER	DATE: JULY 20, 1987
<p>SCALE IN METRES 1:200</p>		
Figure: 6.25		

TRENCH NO. 26

Samples AD3763 - 3765



FOR LEGEND SEE FIGURE: 6.1

$\frac{\text{Au (g/t), Ag (g/t)}}{\text{metres}^*}$

trench bottom chip samples

* 2m, if not indicated

FALCONBRIDGE LTD.

**TRENCH NO. 26
ACE IN THE HOLE CLAIM**

PROJ. 112

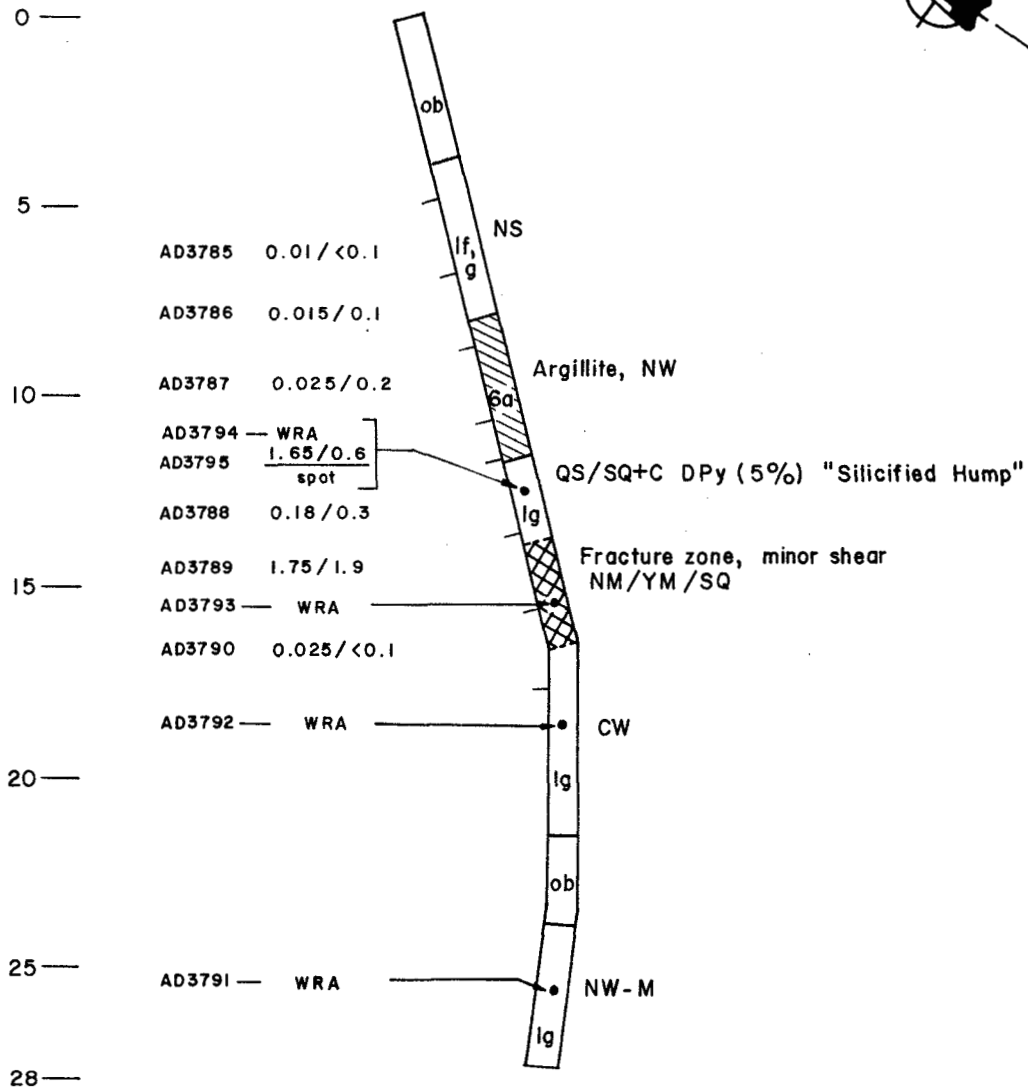
WORK BY	DRAWN BY	DATE: JULY 21, 1987
EG	ER	

0 5 10
SCALE IN METRES 1:200

Figure: **6.26**

TRENCH NO. 30

Samples AD3785 - 3795



FOR LEGEND SEE FIGURE: 6.1

WRA - whole rock analysis

$\frac{\text{Au (g/t), Ag (g/t)}}{\text{metres}^*}$

trench bottom chip samples

* 2m, if not indicated

FALCONBRIDGE LTD.

TRENCH NO. 30
ACE IN THE HOLE CLAIM

PROJ. 112

WORK BY	DRAWN BY	DATE, JULY 21, 1987
EG	ER	

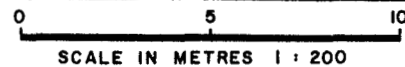
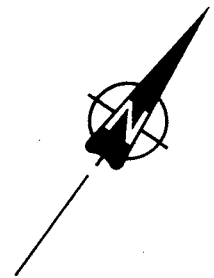
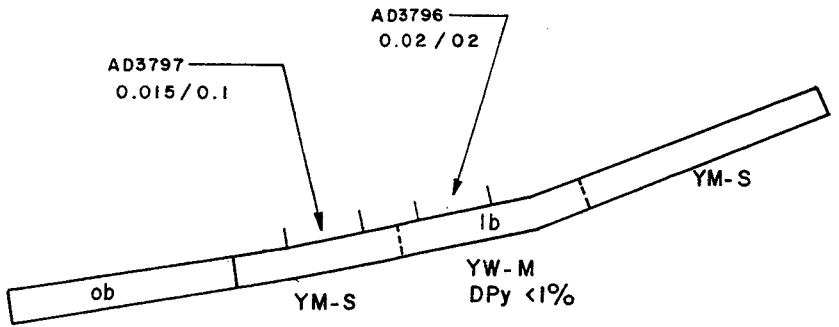


Figure: **6.28**

TRENCH NO. 31
Samples AD3796, 3797



26+ 00W
 © 26+ 50N



FOR LEGEND SEE FIGURE: 6.1

Au (g/t), Ag (g/t)
 metres *

trench bottom chip samples

* 2m, if not indicated

FALCONBRIDGE LTD.

TRENCH NO. 31
ACE IN THE HOLE CLAIM

PROJ. 112

WORK BY	DRAWN BY	DATE:
EB	ER	JULY 21, 1987

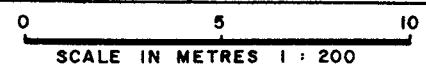
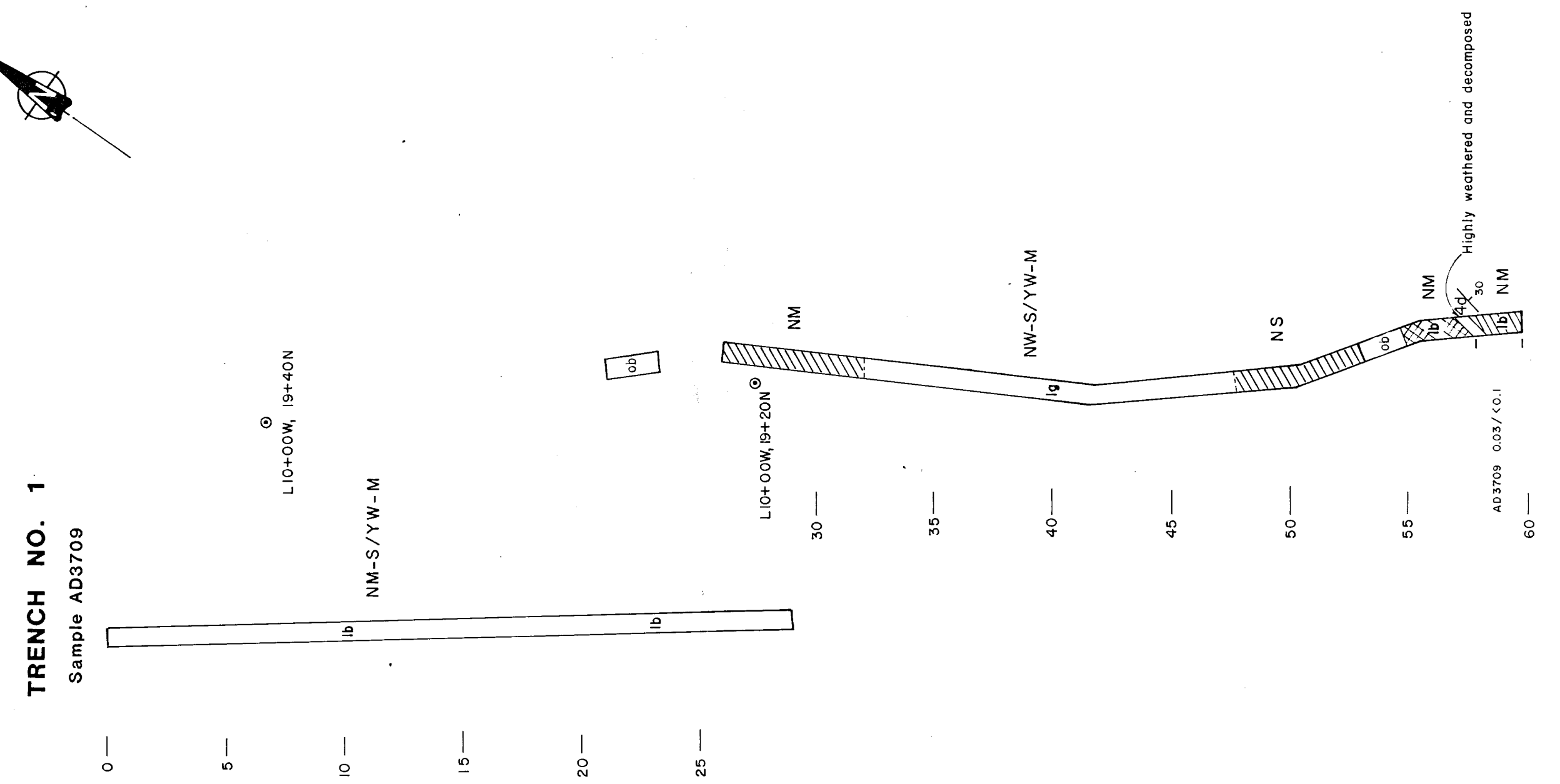


Figure: **6.29**

LEGEND

LEGEND FOR FIGURE TO



LITHOLOGY

- 1 MAFIC VOLCANICLASTICS**
- a debris flow, agglomerate
 - b crystal tuff, augite dominant
 - c crystal tuff, feldspar dominant
 - f lapilli tuff
 - g no textures recognized (usually ash tuff)

- 2 FELSIC VOLCANICS**
- rhyolite (quartz eye)

- 4 MAFIC INTRUSIONS**
- a gabbro
 - b lamprophyre

- 5 FELSIC INTRUSIONS**
- syenite

- 6 SEDIMENTS**
- a argillite
 - b pyritic chert
 - ob overburden

ALTERATION

- P propylitization (PW not indicated)
- C carbonatization
- F hematization
- M argillic alteration
- Q silicification
- S sericitization
- Y limonitization { W fracture controlled, S pervasive }
- strong overall alteration

VEINS and MINERALIZATION

- D disseminated
- S stringers / small lenses } Q quartz, C carbonate
- V veins / large lenses }
- Py pyrite
- Cp chalcopyrite
- Ga galena
- Sp sphalerite
- Mal malachite
- Hem hematite
- Chl chlorite

SYMBOLS

- alteration boundary
- lithological boundary
- sample interval
- sample location
- 20 vein, stringer
- 20 fracture
- contact
- /// vertical
- XXXX fractured
- ⊙ grid reference
- 70 metres from northend

Au (g/t), Ag (g/t)
metres*
trench bottom chip sample
* 2m if not indicated

GEOLOGICAL BRANCH ASSESSMENT REPORT

16,901

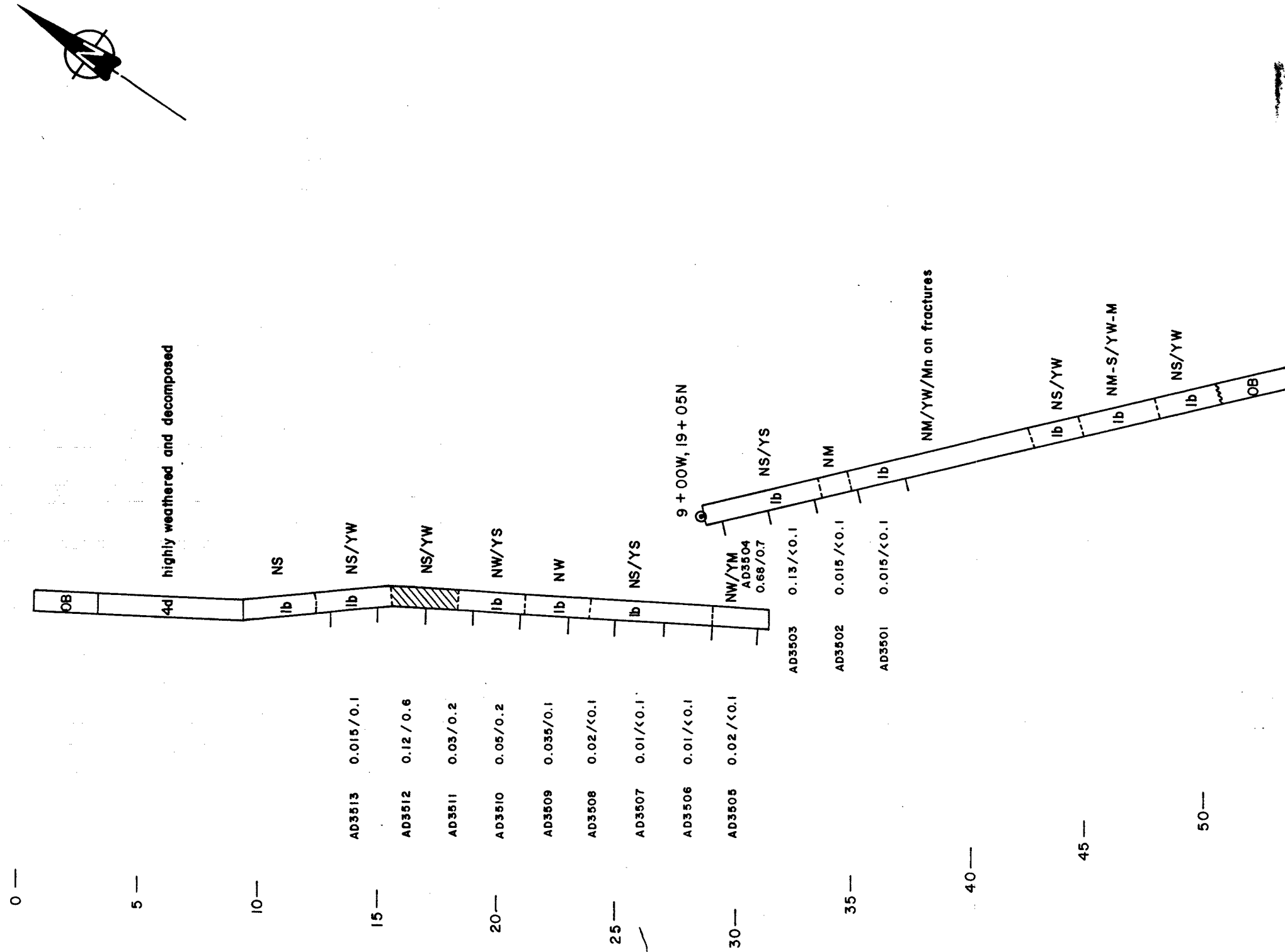
FALCONBRIDGE LTD.		
SWIFT & GUS CLAIMS		
TRENCH NO. 1		
GUS 7, 12 CLAIMS		
PROJ. 139		
WORK BY EG	DRAWN BY ER	DATE: JULY 8, 1987
<p style="font-size: 8px;">SCALE IN METRES 1 : 200</p>		
Figure: 6.1		

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,901

TRENCH NO. 3

Samples AD3501 - 3513



Au (g/t), Ag (g/t)
metres *

trench bottom chip samples

*2m, if not indicated

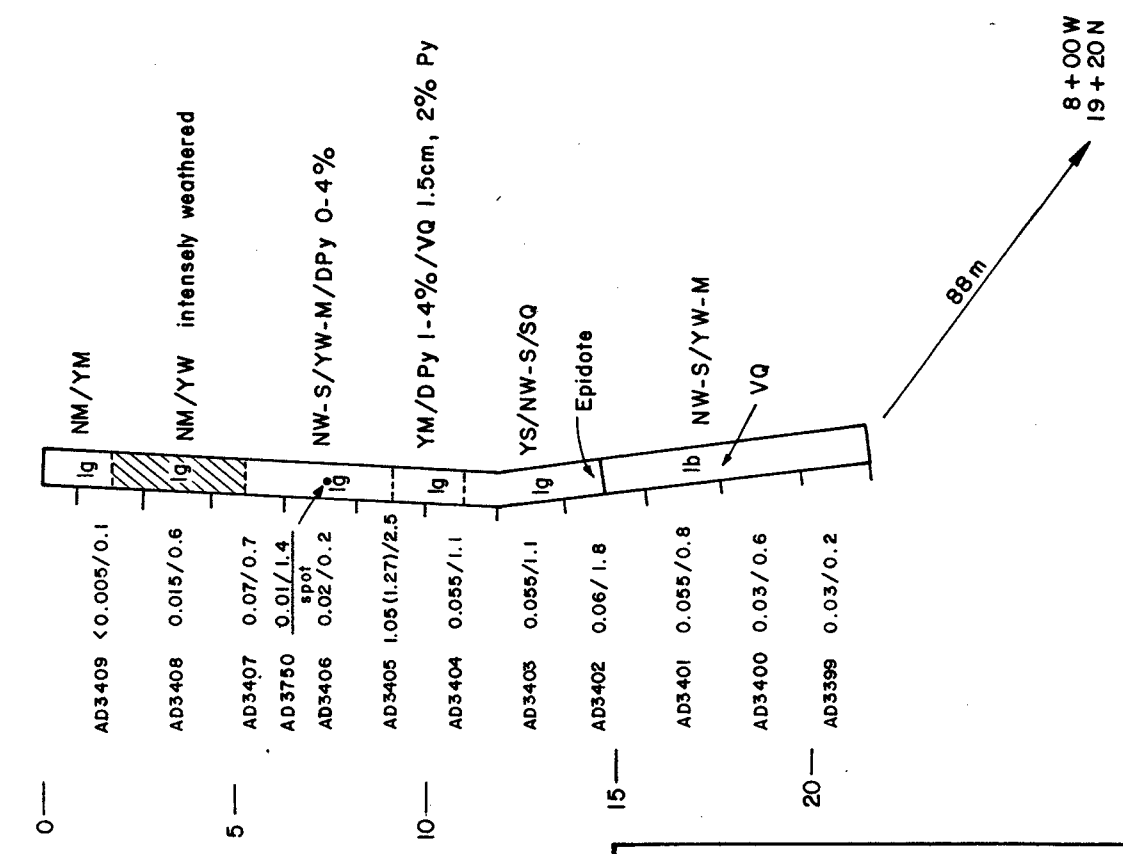
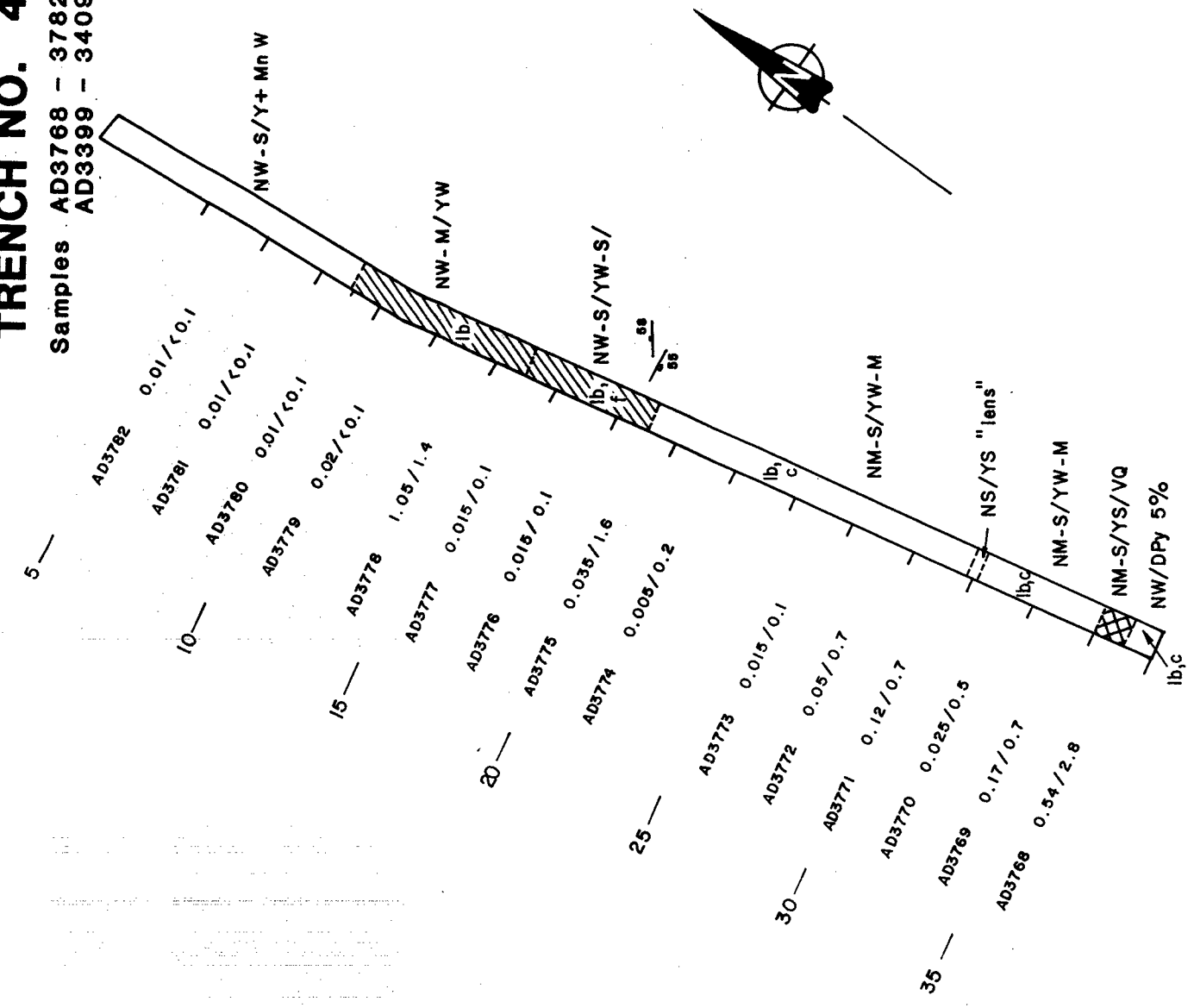
FOR LEGEND SEE FIGURE : 6.1

FALCONBRIDGE LTD.		
SWIFT & GUS CLAIMS		
TRENCH NO. 3		
GUS 12 CLAIM		
PROJ. 139		
WORK BY EG	DRAWN BY ER	DATE: JULY 9, 1987
 SCALE IN METRES 1:200		
Figure: 6.3		

16,901

TRENCH NO. 4

Samples AD3768 - 3782
AD3399 - 3409, AD3760



FOR LEGEND SEE FIGURE : 6.1

$Au^+(g/t), Ag(g/t)$
metres *

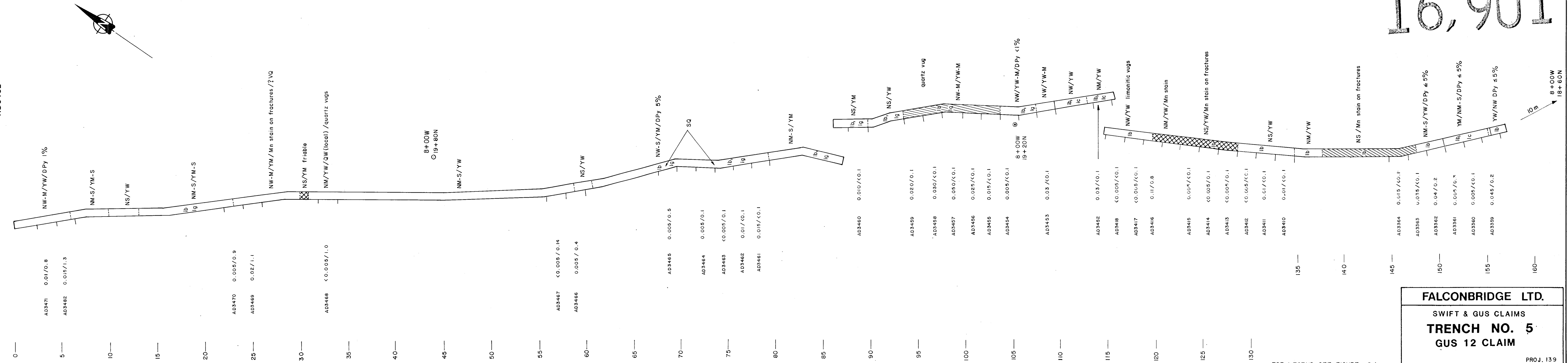
trench bottom chip samples
* 2m, if not indicated
+ (by fire assay)

FALCONBRIDGE LTD.		
SWIFT & GUS CLAIMS		
TRENCH NO. 4		
GUS 12 CLAIM		
PROJ. 139		
WORK BY EG	DRAWN BY ER	DATE: JULY 9, 1987
<p>SCALE IN METRES 1: 200</p>		
Figure: 6.4		

16,901

Samples AD3359 - 3364
AD3410 - 3418
AD3452 - 3471
AD3482

TRENCH NO. 5



FOR LEGEND SEE FIGURE: 6.1

Au (g/t), Ag (g/t)
metres *

trench bottom chip samples
* 2m, if not indicated

FALCONBRIDGE LTD.

SWIFT & GUS CLAIMS
TRENCH NO. 5
GUS 12 CLAIM

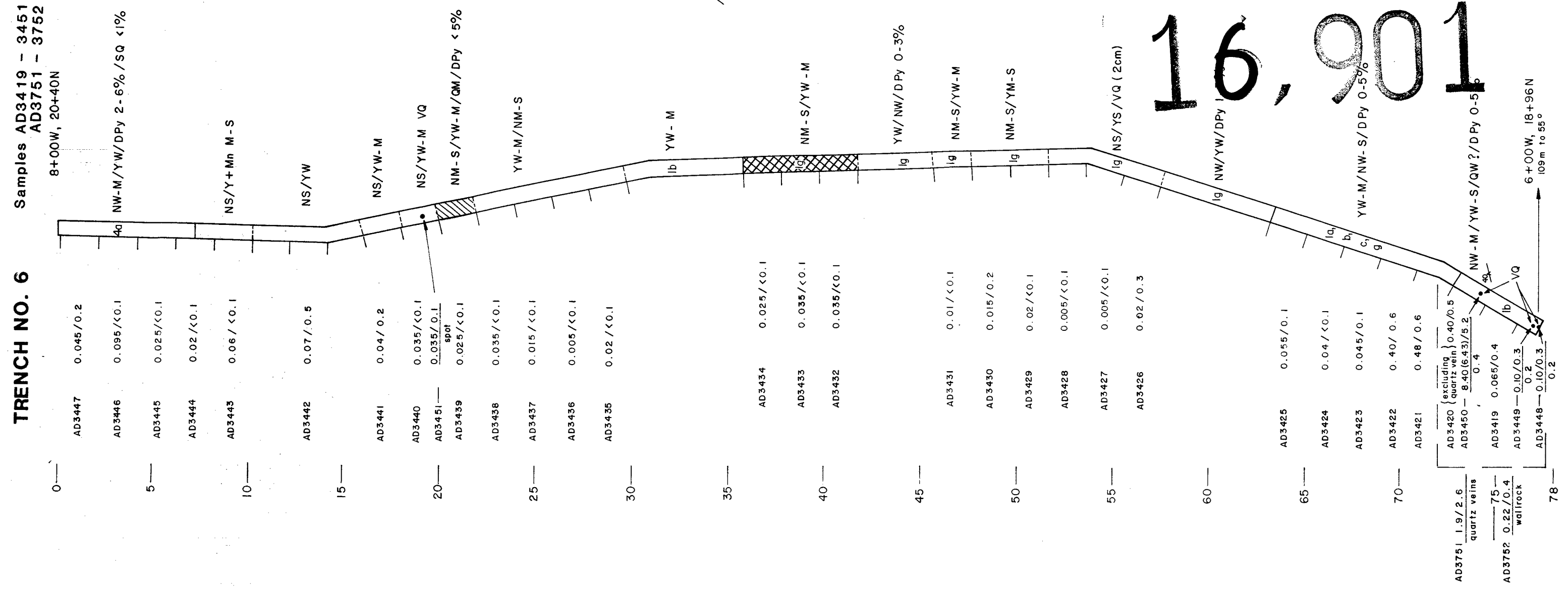
PROJ. 139

WORK BY EG	DRAWN BY ER	DATE JULY 10, 1987
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SCALE IN METRES 1:200

Figure: **6.5**

16,901



FOR LEGEND SEE FIGURE: 6.1

Au⁺(g/t), Ag (g/t)
metres *

trench bottom chip samples
 * 2m, if not indicated
 + (by fire assay)

FALCONBRIDGE LTD.

SWIFT & GUS CLAIMS

TRENCH NO. 6

GUS 12 CLAIM

PROJ. 139

WORK BY	DRAWN BY	DATE:
EG	ER	JULY 10, 1987

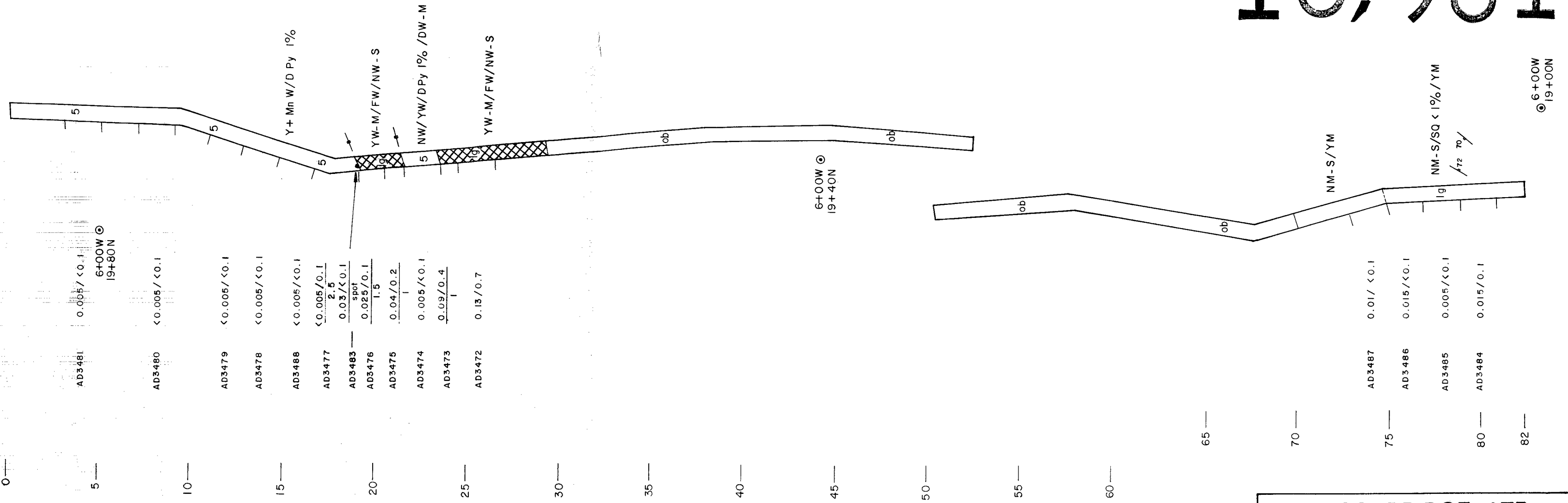
0 5 10
SCALE IN METRES 1:200

Figure: **6.6**

16,901

TRENCH NO. 7

Samples AD3472 - 3481
AD3483 - 3488



FOR LEGEND SEE FIGURE: 6.1

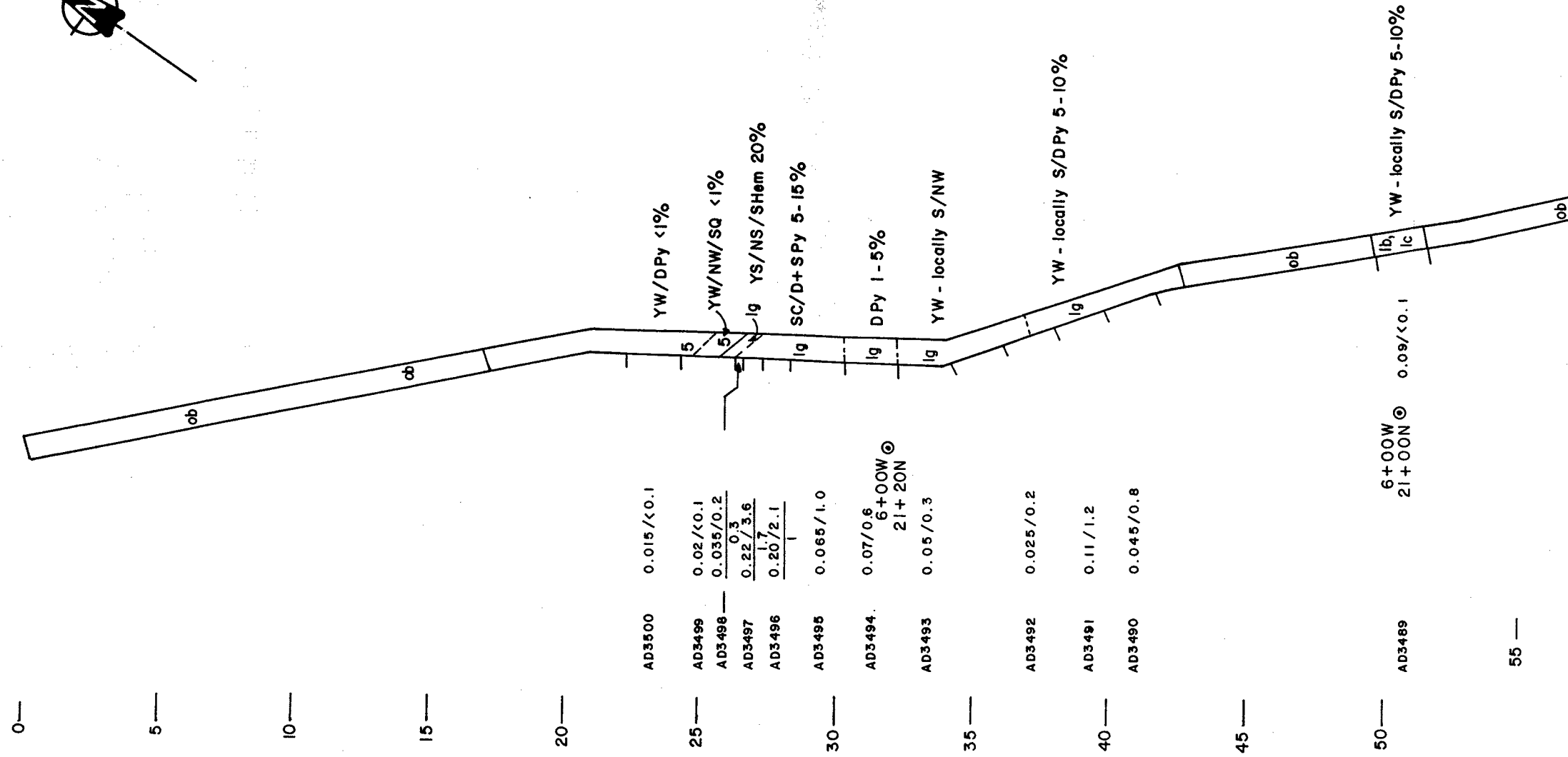
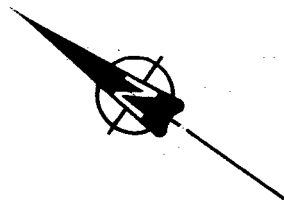
Au (g/t), Ag (g/t)
metres *

trench bottom chip samples
* 2m, if not indicated

FALCONBRIDGE LTD.		
SWIFT & GUS CLAIMS		
TRENCH NO. 7		
SWIFT 3 CLAIM		
PROJ.103		
WORK BY EG	DRAWN BY ER	DATE JULY 13, 1987
<p>SCALE IN METRES 1:200</p>		
Figure: 6.7		

TRENCH NO. 8

Samples AD3489 - 3500



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,901

FOR LEGEND SEE FIGURE: 6.1

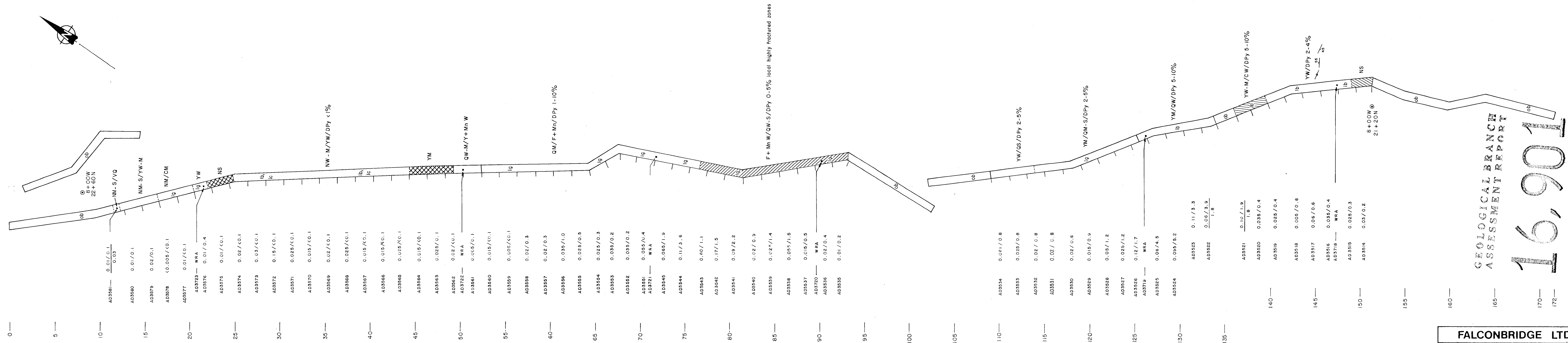
Au (g/t), Ag (g/t)
metres*

trench bottom chip samples
* 2 m, if not indicated

FALCONBRIDGE LTD.		
SWIFT & GUS CLAIMS		
TRENCH NO. 8		
SWIFT 3 CLAIM		
PROJ. 103		
WORK BY EG	DRAWN BY ER	DATE: JULY 13, 1987
 SCALE IN METRES 1 : 200		
Figure: 6.8		

TRENCH NO. 9

Samples AD3514 - 3581
AD3718 - 3723



Sample ID	Au (g/t)	Ag (g/t)
AD3581	0.01/0.1	0.03
AD3580	0.01/0.1	
AD3579	0.02/0.1	
AD3578	<0.005/0.1	
AD3577	0.01/0.1	
AD3723	WRA	
AD3576	0.01/0.4	
AD3575	0.01/0.1	
AD3574	0.02/0.1	
AD3573	0.03/0.1	
AD3572	0.15/0.1	
AD3571	0.025/0.1	
AD3570	0.015/0.1	
AD3569	0.02/0.1	
AD3568	0.025/0.1	
AD3567	0.015/0.1	
AD3566	0.015/0.1	
AD3565	0.025/0.1	
AD3564	0.015/0.1	
AD3563	0.025/0.1	
AD3562	0.02/0.1	
AD3722	WRA	
AD3561	0.005/0.1	
AD3560	0.015/0.1	
AD3559	0.005/0.1	
AD3558	0.02/0.3	
AD3557	0.02/0.3	
AD3556	0.035/1.0	
AD3555	0.025/0.5	
AD3554	0.025/0.3	
AD3553	0.035/0.2	
AD3552	0.035/0.2	
AD3551	0.055/0.4	
AD3721	WRA	
AD3549	0.065/1.9	
AD3544	0.11/3.6	
AD3543	0.60/1.1	
AD3542	0.17/1.5	
AD3541	0.09/2.2	
AD3540	0.02/0.9	
AD3539	0.025/1.4	
AD3538	0.055/1.5	
AD3537	0.015/0.5	
AD3720	WRA	
AD3536	0.02/0.4	
AD3535	0.01/0.2	
AD3534	0.061/0.8	
AD3533	0.025/0.8	
AD3532	0.02/0.8	
AD3531	0.02/0.8	
AD3530	0.02/0.6	
AD3529	0.015/0.9	
AD3528	0.05/1.2	
AD3527	0.025/1.2	
AD3526	0.12/1.7	
AD3719	WRA	
AD3525	0.08/4.5	
AD3524	0.095/5.2	
AD3523	0.11/3.3	
AD3522	0.06/3.9	
AD3521	0.10/1.9	
AD3520	0.035/0.4	
AD3519	0.025/0.4	
AD3518	0.005/0.6	
AD3517	0.06/0.6	
AD3516	0.035/0.4	
AD3718	WRA	
AD3515	0.025/0.3	
AD3514	0.03/0.2	

FOR LEGEND SEE FIGURE: 6.1
WRA = whole rock analysis
Au (g/t), Ag (g/t)
metres *
trench bottom chip samples
*2 m, if not indicated

FALCONBRIDGE LTD.
SWIFT & GUS CLAIMS
TRENCH NO. 9
SWIFT 3 CLAIM
PROJ. 103

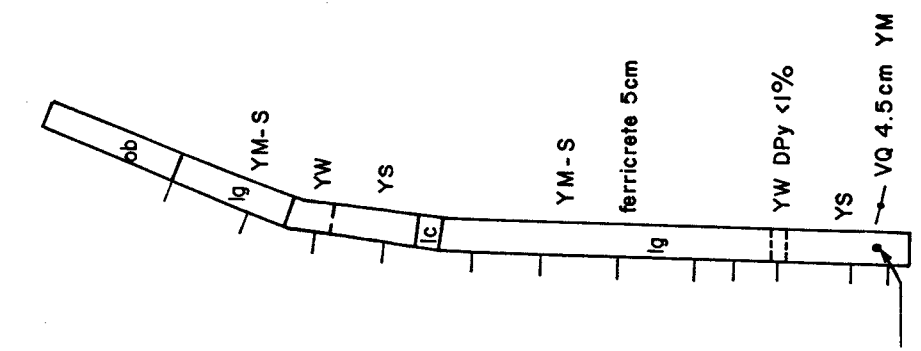
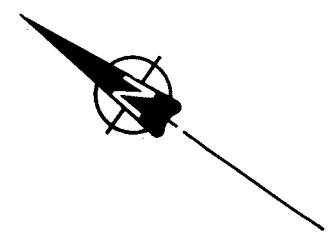
WORK BY EG	DRAWN BY ER	DATE JULY 14, 1987
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SCALE IN METRES 1:200

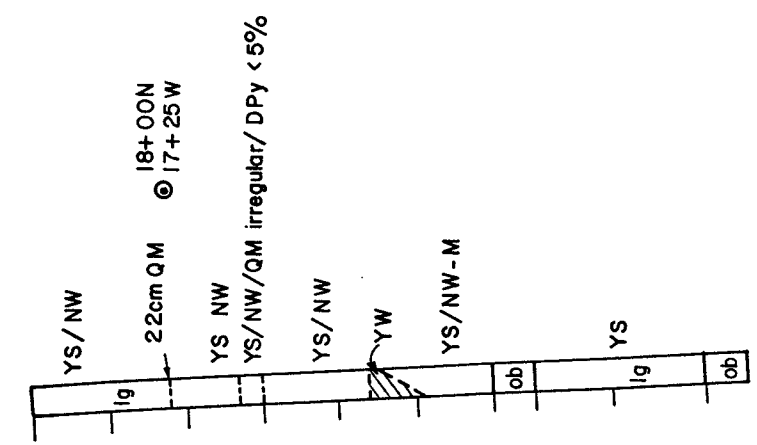
Figure: **6.9**

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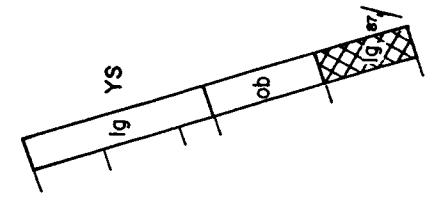
TRENCH NO. 10
 Samples AD3627 - 3638
 AD3651 - 3660



AD3651	0.01 / <0.1
AD3652	0.01 / 0.1
AD3653	<0.005 / 0.1
AD3654	<0.005 / <0.1
AD3655	<0.005 / <0.1
AD3656	0.01 / 0.2
AD3657	$\frac{<0.005 / <0.1}{1.0}$
AD3658	<0.005 / <0.1
AD3659	$\frac{0.04 / 0.2}{0.9}$
AD3660	$\frac{0.065 / 0.3}{0.045}$



AD3627	0.01 / 0.1
AD3628	0.075 / 0.6
AD3629	0.06 / 0.4
AD3630	0.015 / <0.1
AD3631	0.015 / 0.1
AD3632	0.025 / 0.4
AD3633	0.01 / <0.1
AD3634	$\frac{0.01 / 0.2}{2.5}$



AD3635	0.01 / 0.1
AD3636	0.01 / 0.3
AD3637	$\frac{0.065 / <0.1}{0.9}$
AD3638	$\frac{0.015 / 0.2}{2.4}$

GEOLOGICAL BRANCH
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FOR LEGEND SEE FIGURE: 6.1

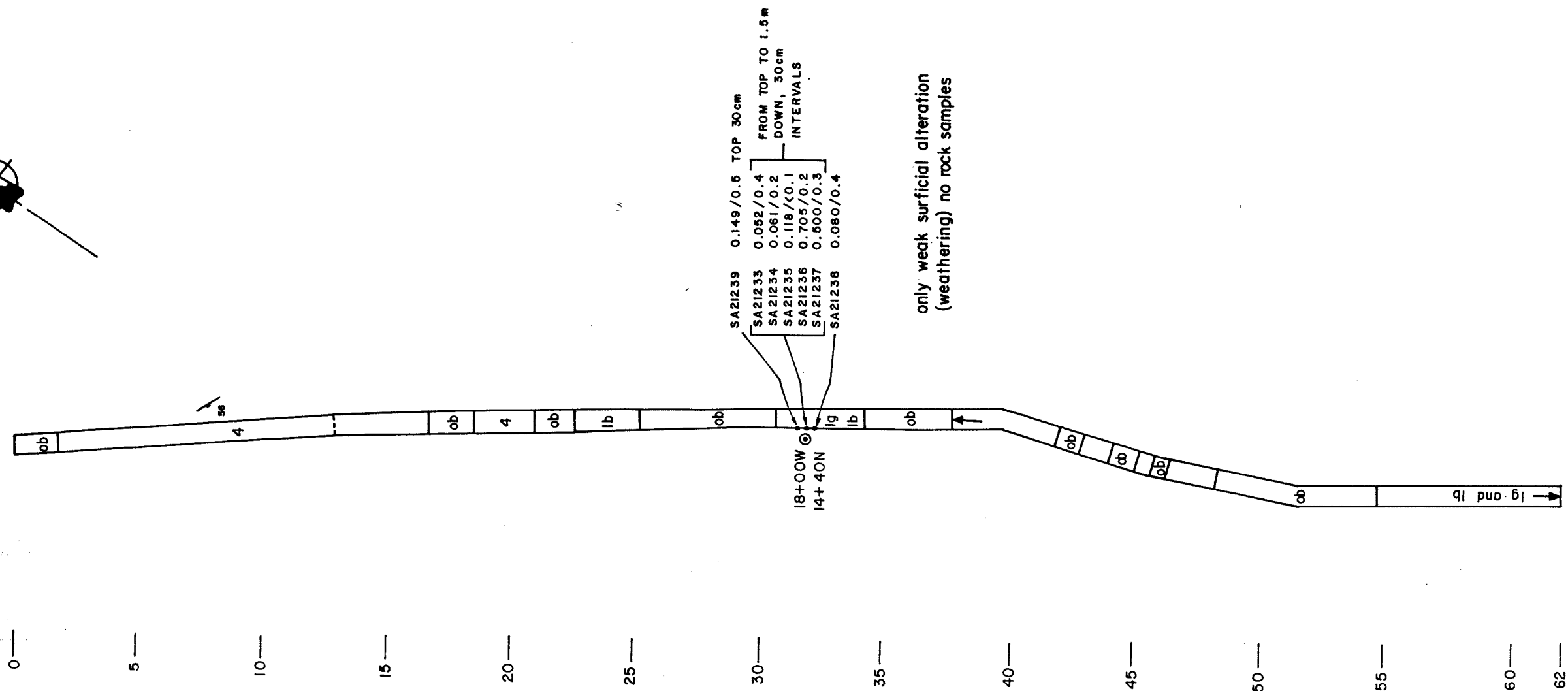
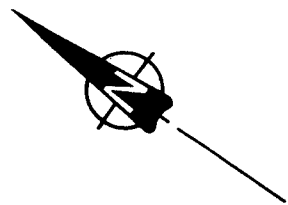
$\frac{\text{Au (g/t), Ag (g/t)}}{\text{metres}^*}$

trench bottom chip samples
 * 2m, if not indicated

FALCONBRIDGE LTD.		
SWIFT & GUS CLAIMS		
TRENCH NO. 10		
GUS 1 CLAIM		
PROJ. 139		
WORK BY EB	DRAWN BY ER	DATE: JULY 14, 1987
0 — 5 — 10 SCALE IN METRES 1 : 200		
Figure: 6.10		

18+00W ©
14+80N

TRENCH NO. 11



FOR LEGEND SEE FIGURE: 6.1

GEOLOGICAL BRANCH
ASSESSMENT REPORT

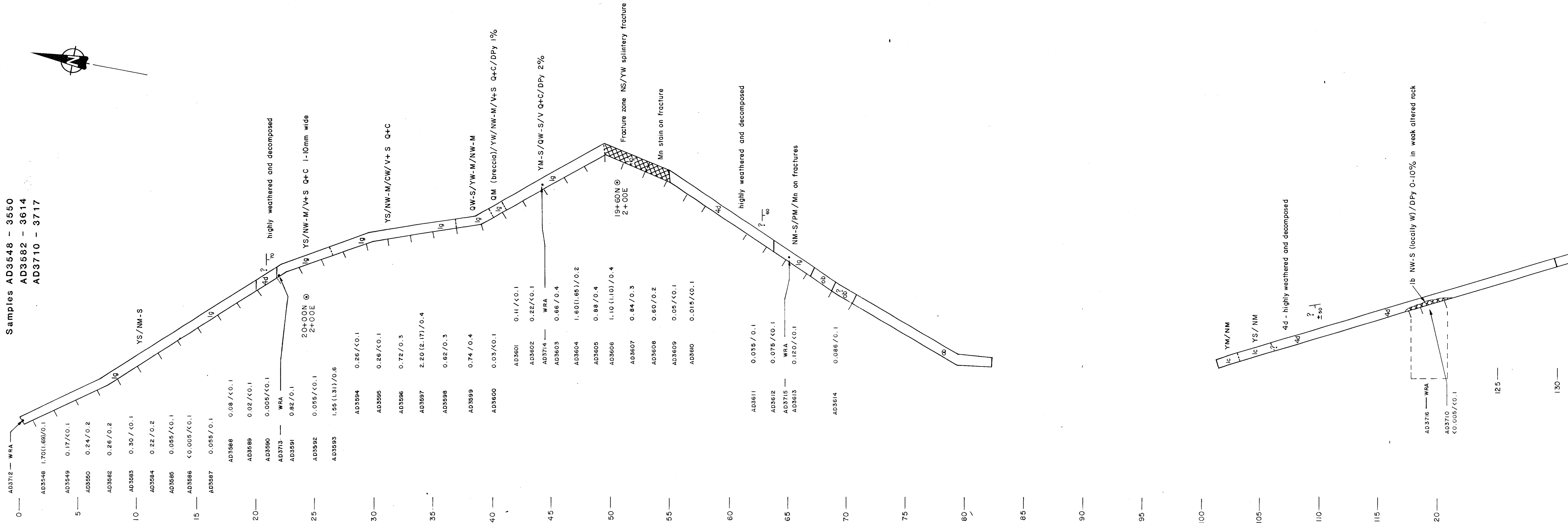
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Au (g/t), Ag (g/t)
Soil samples

FALCONBRIDGE LTD.		
SWIFT & GUS CLAIMS		
TRENCH NO. 11		
GUS 4 CLAIM		
PROJ.139		
WORK BY EB	DRAWN BY ER	DATE: JULY 14, 1987
 SCALE IN METRES 1:200		
Figure: 6.11		

TRENCH NO. 19

Samples AD3548 - 3550
AD3582 - 3614
AD3710 - 3717



19+60N ⊙
2+00E

Fracture zone NS/YW splintery fracture

Mn stain on fracture

highly weathered and decomposed

YM-S/QW-S/V Q+C/DPy 2%

NM-S/PM/Mn on fractures

4d - highly weathered and decomposed

4d - highly weathered and decomposed

lb NW-S (locally W)/DPy 0-10% in weak altered rock

80° Locally sheared PM/CW 5-10%/NW/chlorite on slickensides

AD3711 0.035 / <0.1

AD3717 WRA

AD3710 <0.005 / <0.1

125

130

135

138

WRA — whole rock analysis
Au⁺(g/t), Ag (g/t)
metres*
trench bottom chip samples
* 2m, if not indicated
+ (by fire assay)

FALCONBRIDGE LTD.

SWIFT & GUS CLAIMS

TRENCH NO. 19

SWIFT 2 CLAIM

PROJ.103

WORK BY EB	DRAWN BY ER	DATE: JULY 16, 1987
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0 5 10
SCALE IN METRES 1:200

Figure: **6.19**

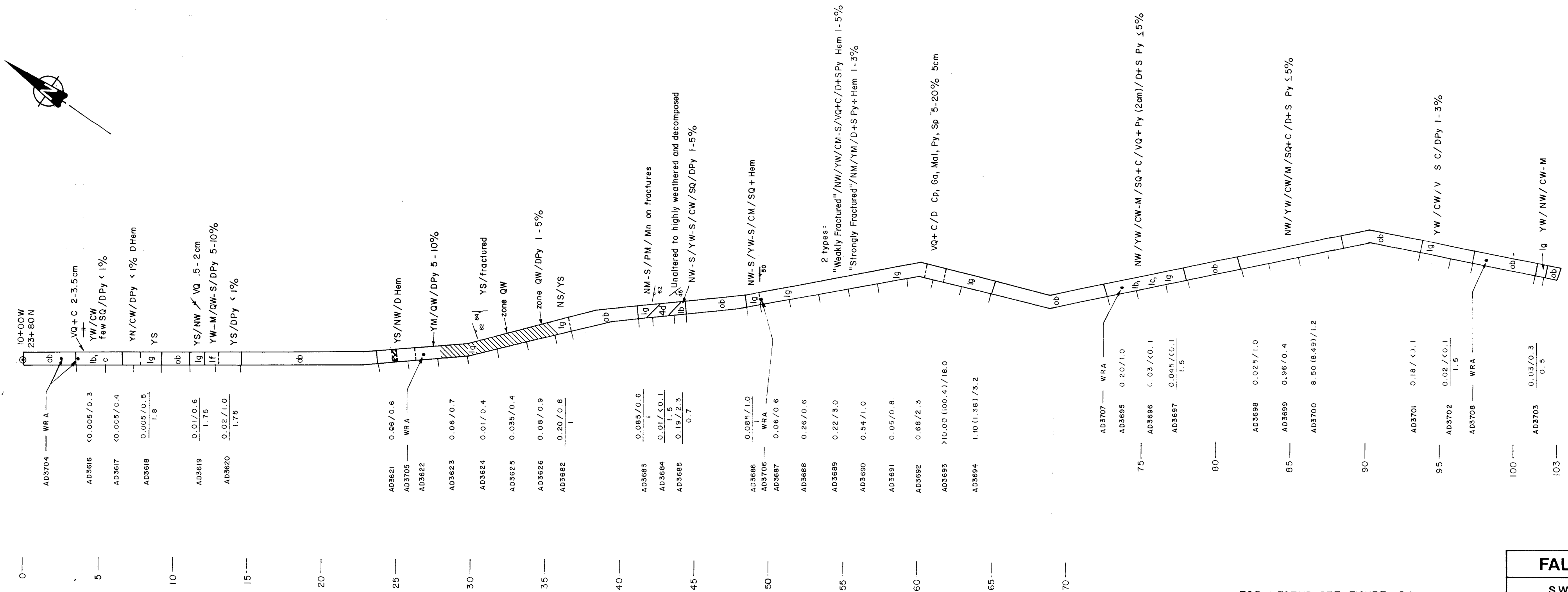
FOR LEGEND SEE FIGURE: 6.1

LOGICAL BRANCH
ASSESSMENT REPORT

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TRENCH NO. 21

Samples AD3616 - 3626
AD3682 - 3708



FOR LEGEND SEE FIGURE: 6.1

WRA - whole rock analysis
Au⁺ (g/t), Ag (g/t)
metres*

trench bottom chip samples

* 2m, if not indicated

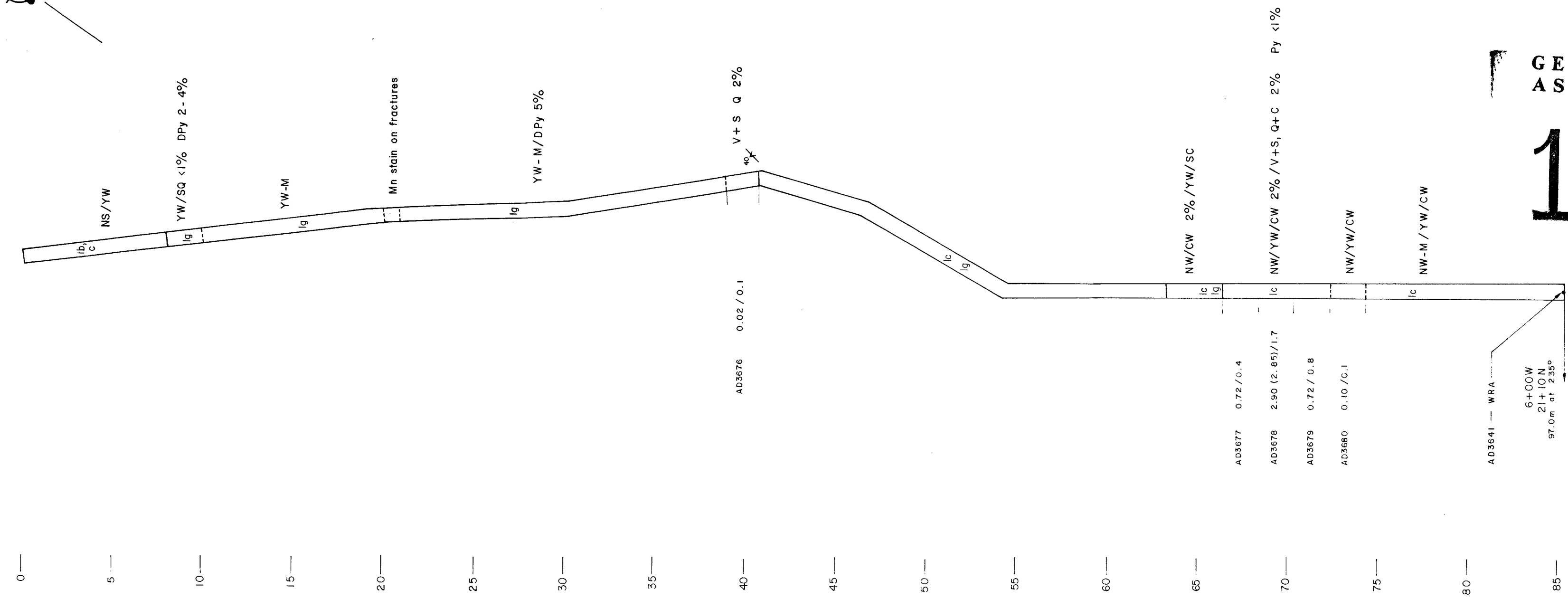
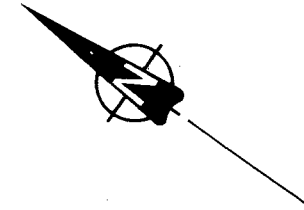
+ (by fire assay)

FALCONBRIDGE LTD.		
SWIFT & GUS CLAIMS		
TRENCH NO. 21		
SWIFT 3 CLAIM		
PROJ. 103		
WORK BY EB/ER	DRAWN BY ER	DATE JULY 17, 1987
<p>SCALE IN METRES 1 : 200</p>		
Figure: 6.21		

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TRENCH NO. 23
 Samples AD3676 - 3680
 AD3641



**GEOLOGICAL BRANCH
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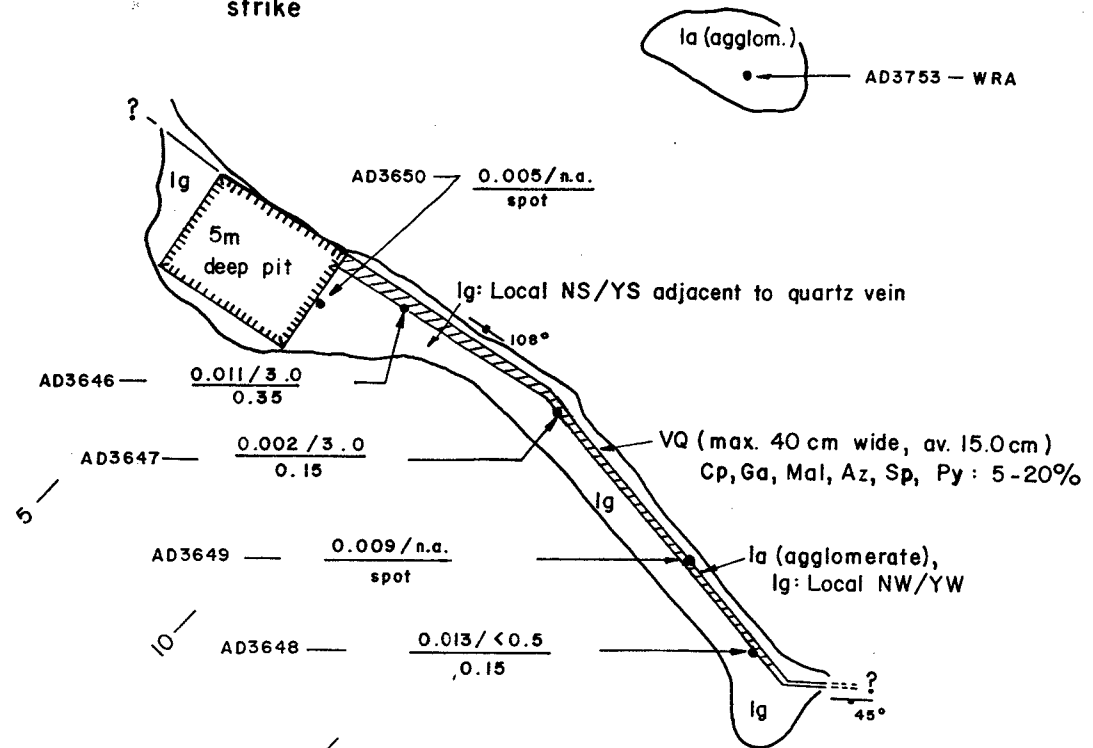
WRA - whole rock analysis
 Au (g/t), Ag (g/t)
 metres *
 trench bottom chip samples
 *2m, if not indicated
 FOR LEGEND SEE FIGURE : 6.1

FALCONBRIDGE LTD.		
SWIFT & GUS CLAIMS		
TRENCH NO. 23		
SWIFT 3 CLAIM		
PROJ.103		
WORK BY EG	DRAWN BY ER	DATE JULY 20, 1987
 SCALE IN METRES 1 : 200		
Figure: 6.23		

TRENCH NO. 27

Samples AD3646 - 3650

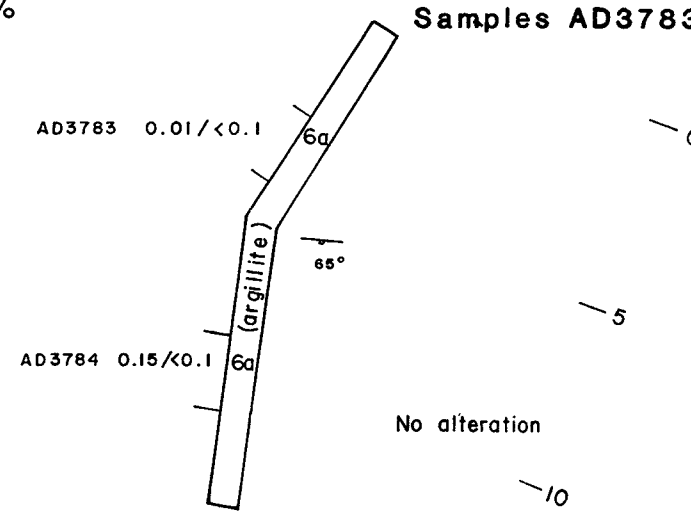
Trench exposing quartz vein along strike



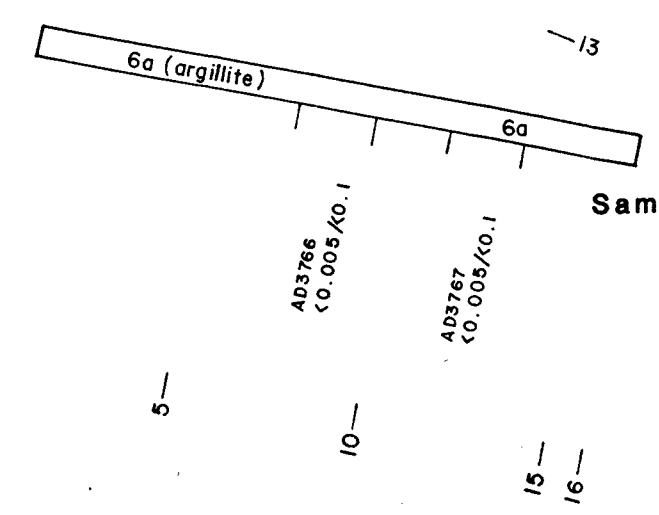
%	Cu	Zn	Pb
AD3646	0.058	0.055	0.037
AD3647	0.027	0.053	0.032
AD3648	0.0029	0.022	0.0014

TRENCH NO. 28 & 29

NO. 29
Samples AD3783, 3784



NO. 28
Samples AD3766, 3767



GEOLOGICAL BRANCH
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n.a. - not assayed

WRA - whole rock analysis

Au (g/t), Ag (g/t)
metres *

trench bottom chip samples

* 2m, if not indicated

FOR LEGEND SEE FIGURE: 6.1

FALCONBRIDGE LTD.

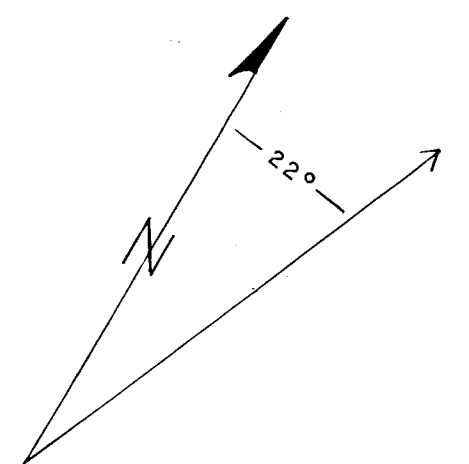
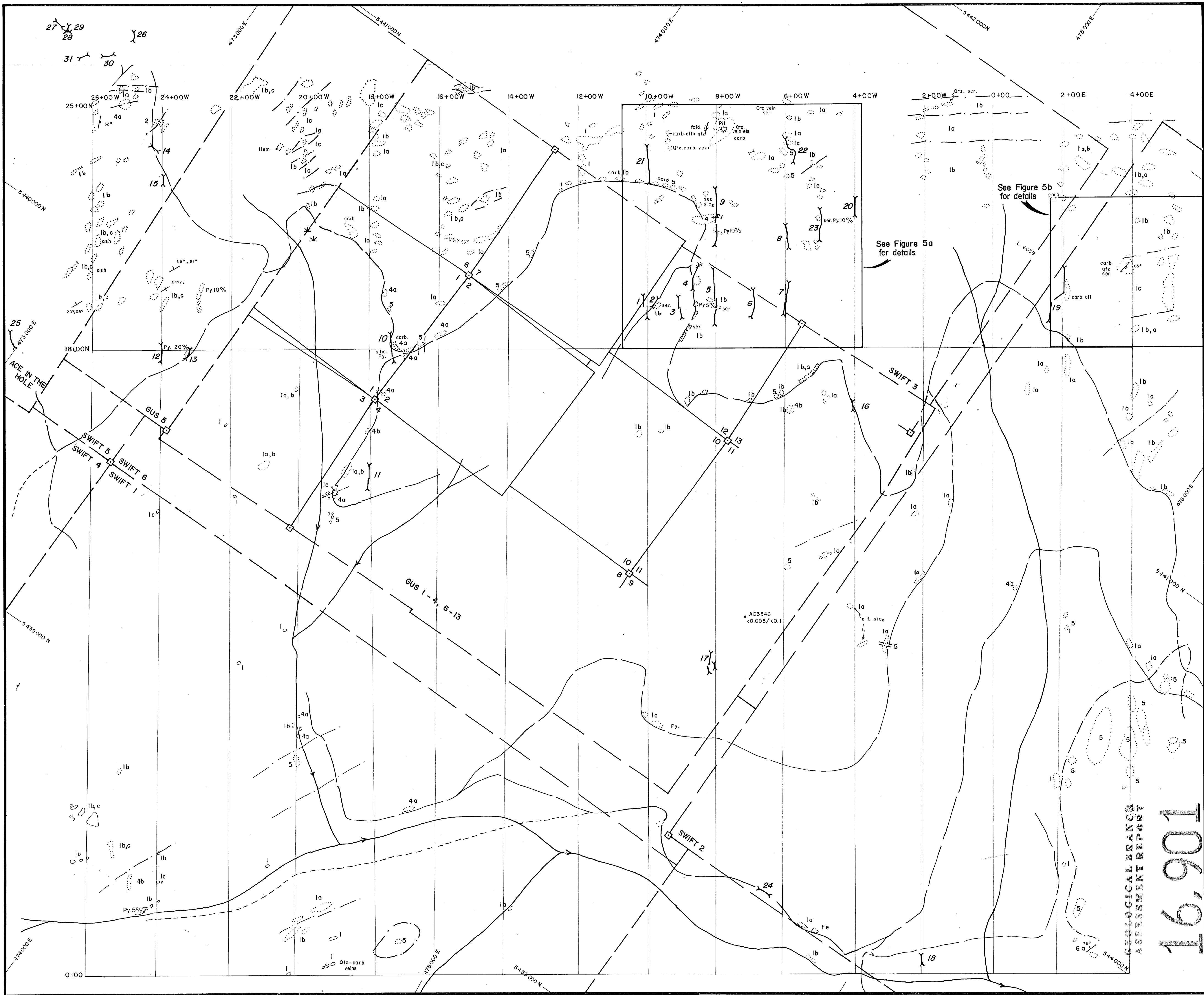
**TRENCH NO. 27, 28
& 29
ACE IN THE HOLE CLAIM**

PROJ. 112

WORK BY EG	DRAWN BY ER	DATE JULY 21, 1987
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0 5 10
SCALE IN METRES 1:200

Figure: **6.27**



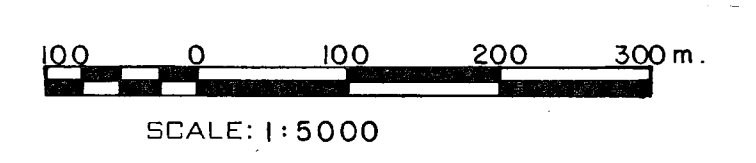
LEGEND

LITHOLOGY

- 1 MAFIC VOLCANICLASTICS**
 - a Volcanic flow breccia, debris flow, block and ash, agglomerate
 - b Crystal tuff (augite dominant), augite porphyry flows (ankaramite)
 - c Crystal tuff (Feldspar dominant)
 - d Lithic tuff
 - e Olivine flow (amygdaloidal)
 - f Lapilli tuff
 - g No textures recognized (usually ash tuff)
- 2 FELSIC VOLCANICS**
 - Rhyolite (quartz eye)
- 4 MAFIC INTRUSIONS**
 - a Gabbro
 - b Diorite
 - c Diabase
 - d Lamprophyre
- 5 FELSIC INTRUSIONS**
 - Granite, granodiorite, quartz monzonite
- 6 SEDIMENTS**
 - a Argillite, greywacke, ash
 - b Pyritic chert, ash argillite

SYMBOLS

- Claim boundary
 - - - Geological contact assume
 - Fault
 - Trench 1 to 31
 - 476 000 E UTM Grid Reference
 - 22° Bedding attitude
 - Rock outcrop
- Abbreviation
- | | |
|------------------|-----------------|
| Carb - Carbonate | Qtz - Quartz |
| Hem - Hematite | Ser - Sericite |
| Mal - Malachite | Si - Silicified |
| Py - Pyrite | |
- A03546 Sample location and number, Au (g/t), Ag (g/t)



FALCONBRIDGE LTD.

PROPERTY: SWIFT, GUS AND ACE IN THE HOLE CLAIMS

LOCATION: SALMO AREA, B.C.

TYPE OF MAP: GEOLOGY & TRENCH LOCATIONS

WORKING PLACE:

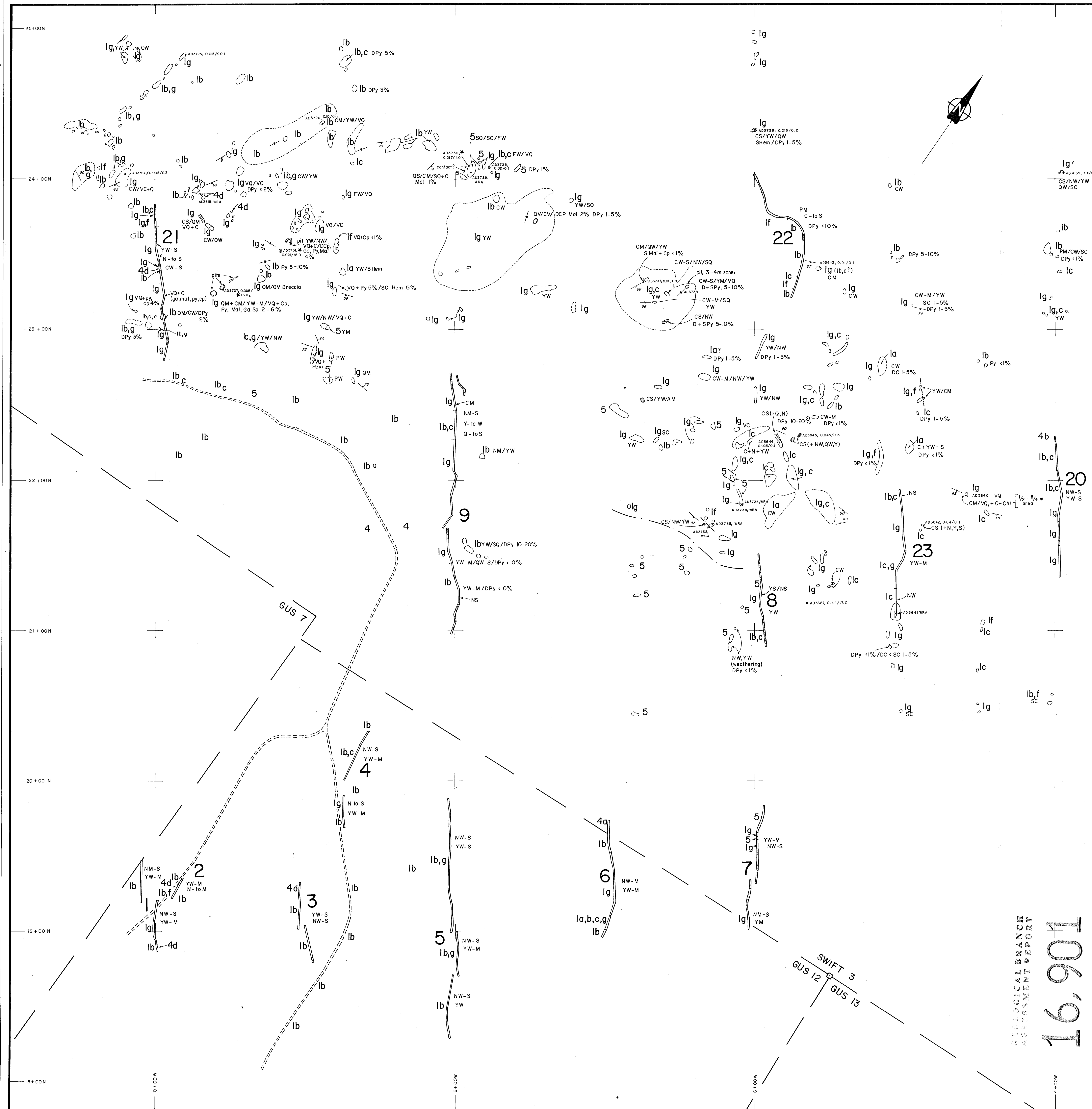
BASED ON:

DATE OF WORK: JUNE, 1987 MAP REF. NO.:

DRAWN BY: G.T. FIG. NO.:

DATE: N.T.S. NO.: 82-F-3

16,901



LEGEND

- LITHOLOGY**
- 1 MAFIC VOLCANICLASTICS
 - a debris flow, agglomerate
 - b crystal tuff, augite dominant
 - c crystal tuff, feldspar dominant
 - f lapilli tuff
 - g no textures recognized (usually ash tuff)

- 2 FELSIC VOLCANICS
 - rhyolite (quartz eye)

- 4 MAFIC INTRUSIONS
 - a gabbro
 - d lamprophyre

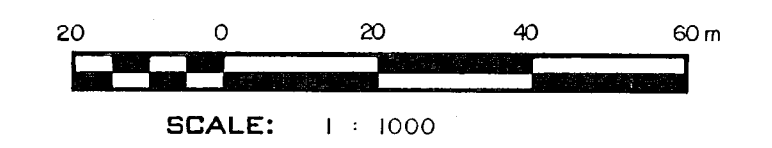
- 5 FELSIC INTRUSIONS
 - syenite

- ALTERATION**
- P propylitization (PW not indicated)
 - C carbonatization
 - F hematization
 - N argillic alteration
 - Q silicification
 - S sericitization
 - Y limonitization: W fractures, S pervasive
- W weak <20%
 M moderate 20-50%
 S strong >50%

- VEINS & MINERALIZATION**
- D disseminated
 - S stringers/small lenses
 - V veins/large lenses
 - Py pyrite
 - Cp chalcopyrite
 - Ga galena
 - Mal malachite
 - Hem hematite
 - Sp sphalerite
 - Chl chlorite

- SYMBOLS**
- claim boundaries
 - road
 - geological contact
 - outcrop (continuous, discontinuous)
 - pit
 - trench
 - overburden, no rock exposed
 - sample location and number, Au (g/t), Ag (g/t), whole rock analysis sample
 - vein, stringer
 - fracture
 - dike
 - strike and dip, vertical

* %	Cu	Zn	Pb
AD3727	0.27	0.45	0.17
AD3730	0.16	0.015	0.0006
AD3731	3.30	0.022	0.013



FALCONBRIDGE LTD.

PROPERTY: **SWIFT & GUS CLAIMS**

LOCATION: **SALMO AREA, B.C.**

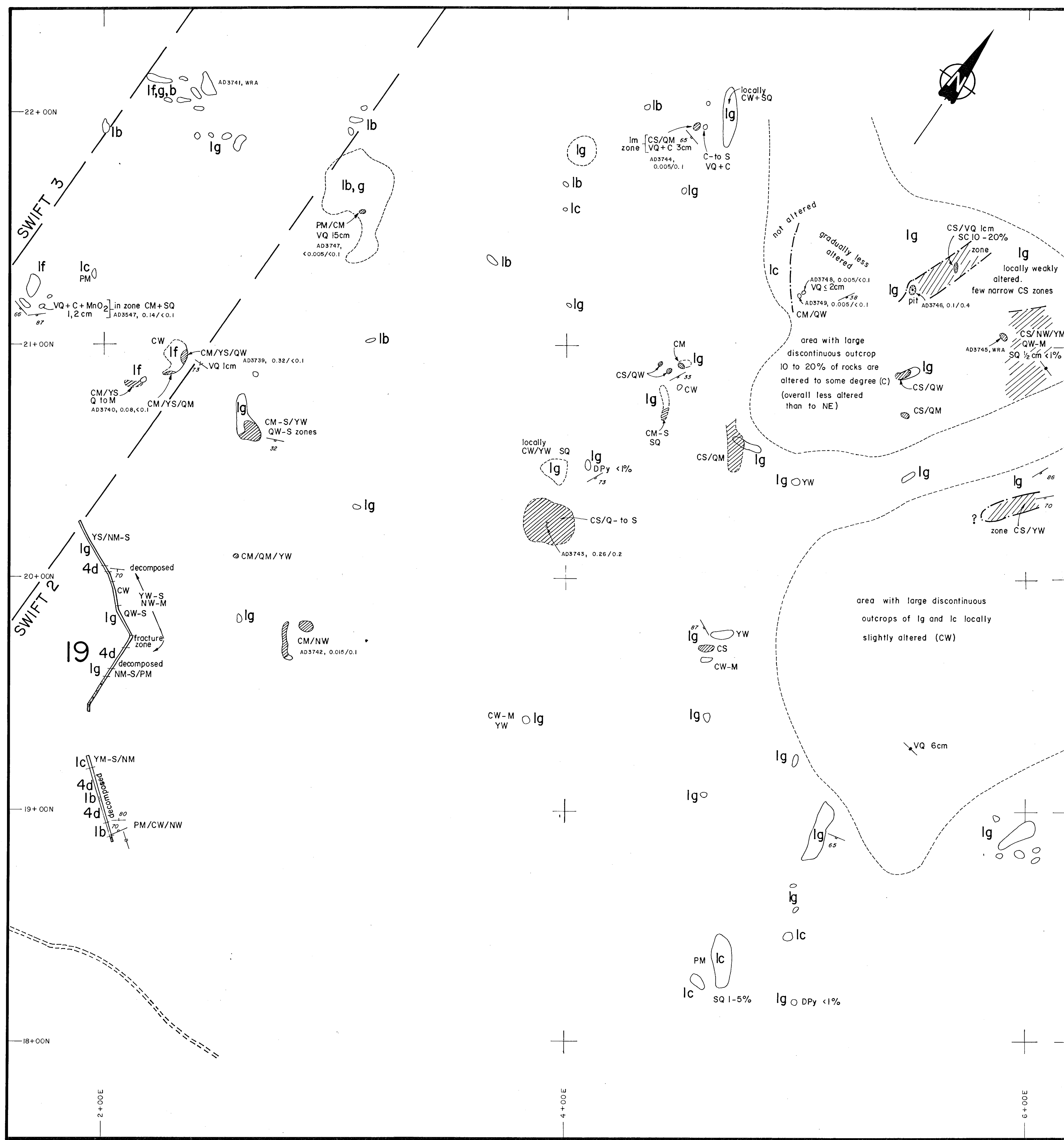
TYPE OF MAP: **GEOLOGY**

WORKING PLACE:

BASED ON:

DATE OF WORK: JUNE, 1987	PROJECT NO: 103/139	FIG. NO.: 5a
DRAWN BY: ER		
DATE: JULY 6, 1987	N.T.S. NO.: 82-F-3	

GEOLOGICAL BRANCH
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LEGEND

LITHOLOGY

- 1 MAFIC VOLCANICLASTICS**
 a debris flow, agglomerate
 b crystal tuff, augite dominant
 c crystal tuff, feldspar dominant
 f lapilli tuff
 g no textures recognized (usually ash tuff)
- 2 FELSIC VOLCANICS**
 rhyolite (quartz eye)
- 4 MAFIC INTRUSIONS**
 a gabbro
 d lamprophyre
- 5 FELSIC INTRUSIONS**
 syenite

ALTERATION

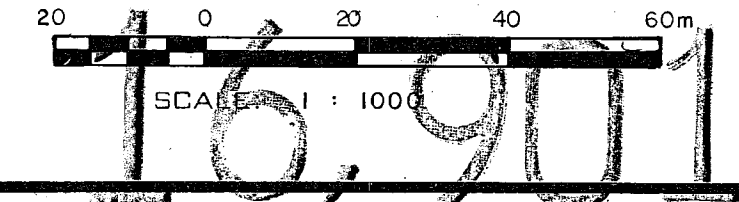
- P propylitization (PW not indicated)
 C carbonatization
 F hematization
 N argillic alteration
 Q silicification
 S sericitization
 Y limonitization: W fractures, S pervasive
- W weak <20%
 M moderate 20-50%
 S strong >50%
- strong overall alteration

VEINS & MINERALIZATION

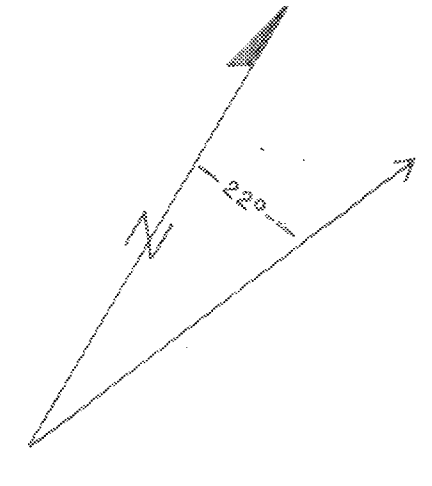
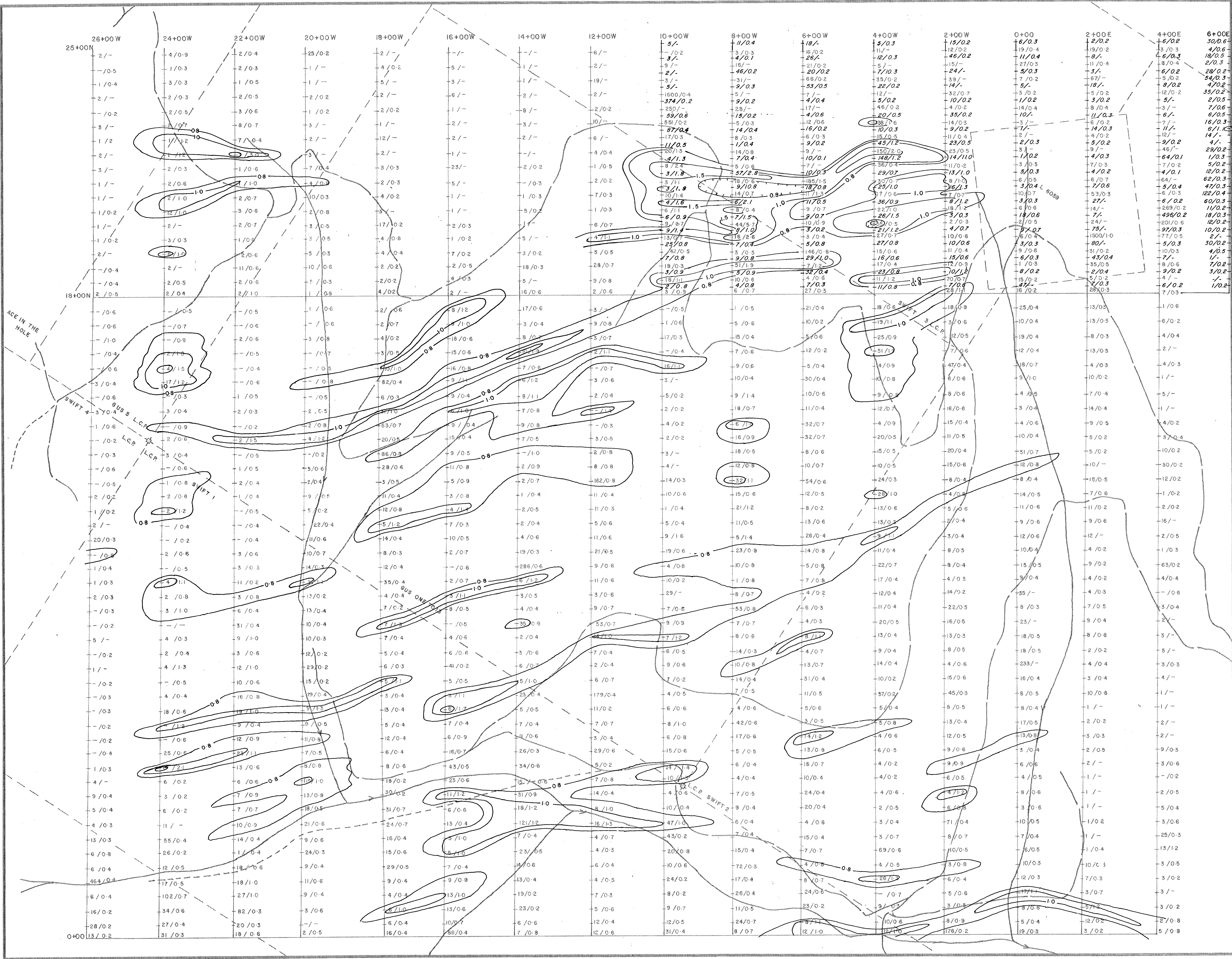
- D disseminated
 S stringers/small lenses
 V veins/large lenses
 Py pyrite
 Cp chalcopyrite
 Ga galena
 Mal malachite
 Hem hematite
 Sp sphalerite
 Chl chlorite
- Q quartz
 C carbonate

SYMBOLS

- claim boundaries
 road
 geological contact
 outcrop (continuous, discontinuous)
 pit
 trench
 overburden, no rock exposed
 sample location and number, Au (g/t), Ag (g/t), whole rock analysis sample
 vein, stringer
 fracture
 dike
 strike and dip vertical



PROPERTY:		
FALCONBRIDGE LTD.		
SWIFT & GUS CLAIMS		
LOCATION:		
SALMO AREA, B.C.		
TYPE OF MAP:		
GEOLOGY		
WORKING PLACE:		
BASED ON:		
DATE OF WORK: JUNE, 1987	PROJECT NO: 103/139	FIG. NO.:
DRAWN BY: ER		5b
DATE: JULY 6, 1987	N.T.S. NO.: 82-F-3	



LEGEND

Au ppb / Ag ppm
 3 / 0.4
 Less < 1 Au and < 0.2 Ag. Not Plotted

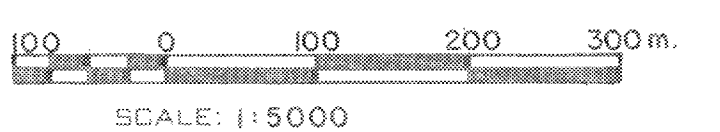
Contour Interval

0.8-1.0 ppm. Ag.
 1.0-1.5
 >1.5

70/0.7 - 1986 Survey
 7/0.6 - 1987 Survey

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

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FALCONBRIDGE LTD.

PROPERTY: SWIFT, GUS & ACE IN THE HOLE CLAIMS

LOCATION: Salmo Area B.C.

TYPE OF MAP: SOIL GEOCHEMISTRY Au, Ag

WORKING PLACE:

BASED ON:

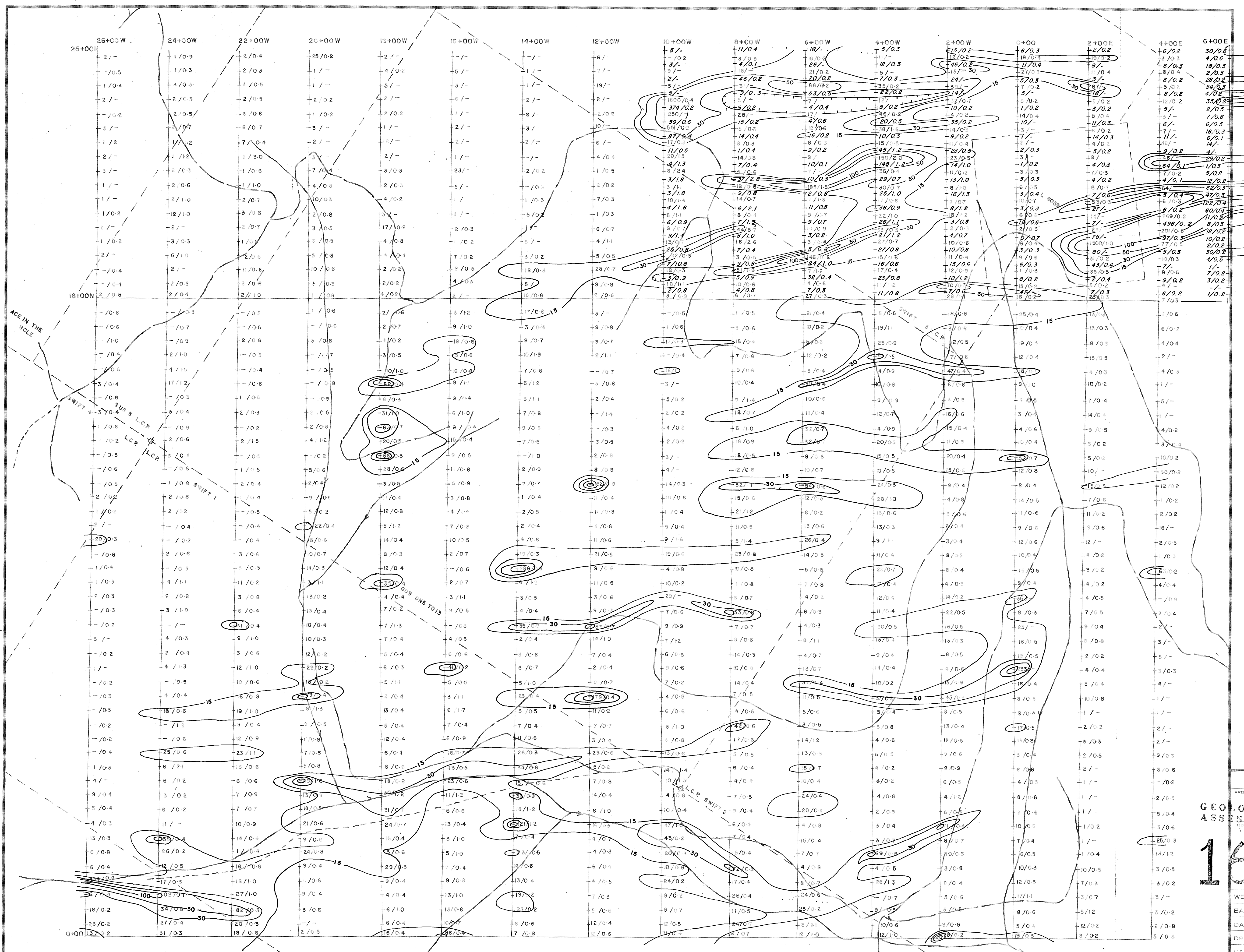
DATE OF WORK: 1986/MAY 1987
 DRAWN BY: G.T.
 DATE: AUGUST 1987

MAP REF. NO.:

FIG. NO.:

N.T.S. NO.: 82-F-3

7b



LEGEND

Au ppb. / Ag ppm.

3 / 0.4

Less < 1 Au. and < 0.2 Ag. Not Plotted

Contour Interval

0-15 ppb. Au.

15-30

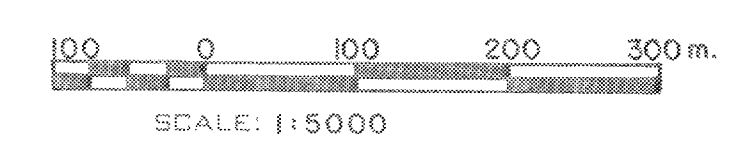
30-50

50-100

> 100

70/0.7 - 1986 Survey

7/0.6 - 1987 Survey



FALCONBRIDGE LTD.

PROPERTY: GEO SWIFT, GUS & ACE IN THE HOLE CLAIMS

ASSESSMENT REPORT

LOCATION: Salmo Area, B.C.

MAP NO. 16,901

SOIL GEOCHEMISTRY Au, Ag

WORKING PLACE:

BASED ON:

DATE OF WORK: 1986/ May 1987

DRAWN BY: G.T.

DATE: AUGUST, 1987

MAP REF. NO.:

FIG. NO.:

1987

N.T.S. NO.: 82-F-3

7a