

86-896-15561

GEOCHEMICAL REPORT  
ON  
THE SWIFT AND GUS CLAIMS  
NELSON MINING DIVISION

NTS. 82F/3W

117° ~~200'~~ 49° 08'  
21.2' 07'

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

15,561

FILMED

December 15, 1986

N. von Fersen

Owner(s): Falconbridge Limited  
Ken Murray

Operator(s): Falconbridge Limited  
Kidd Creek Mines Ltd

PART 1 OF 2

## SUMMARY

This report describes a detailed soil sampling program completed on the Swift and Gus claims by Falconbridge Limited in 1986. The claims are located approximately 10 km. southwest of Salmo B.C. in the Nelson Mining District, N.T.S. 82F/3W. Previous work identified pyrite, chalcopyrite, sphalerite, galena, plus gold and silver values in association with quartz veining in carbonate-sericite altered mafic volcanoclastics of the Elise Formation, part of the Rossland Group.

Linecutting, I.P., V.L.F., and Magnetometer surveys were completed, and 1008 soil samples were collected between September 15 and October 23, 1986 on the Gus 1-13 and Swift 1-6 claims. Grid control consisted of cut lines every 200 m. with stations at 20 m.intervals on lines, for a total of 45 line km.

The objective of the work program was to better define known gold and silver mineralization, and to locate new targets under overburden cover.

Soil samples were analyzed for gold and silver, and the results plotted at 1:5000 scale. Results confirm anomalous gold and silver values in areas of known mineralization and indicate strike extensions and/or new zones which warrant further exploration.

## CONCLUSION

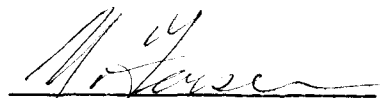
Pyrite, minor chalcopyrite, sphalerite, and significant values in Au and Ag occur in association with quartz veining and carbonate-sericite alteration on Swift 3 and Gus 7, and 12. Mineralization appears to be controlled by north-easterly striking structures

The soil survey has demonstrated the existence of anomalous gold and silver values which define elongate northeast oriented trends which likely represent strike extensions of known mineralization or parallel zones. Potential to locate further mineralization is good, particularly in the north-east quadrant of the grid.

## RECOMMENDATIONS

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

1. Fill-in soil sampling along existing lines in areas with greater than 30 ppb. Au.
2. Additional soil sampling east of L 400 E, and west of L 26 W, in the extreme south-west corner of the grid.
3. Review of Chargeability, Resistivity, VLF, and Magnetometer data in order to further define areas of interest.
4. Backhoe trenching to investigate areas of coincident geophysical and geochemical targets.

  
N. von Fersen.

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## INTRODUCTION

This report describes a detailed soil sampling program conducted over the Swift 1-6 and Gus 1-13 claims. A grid, consisting of lines every 200 m., with stations every 20 m. was established to control soil and geophysical surveys. A total of 43 line km. were cut, picketed, and slope corrected.

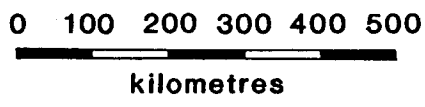
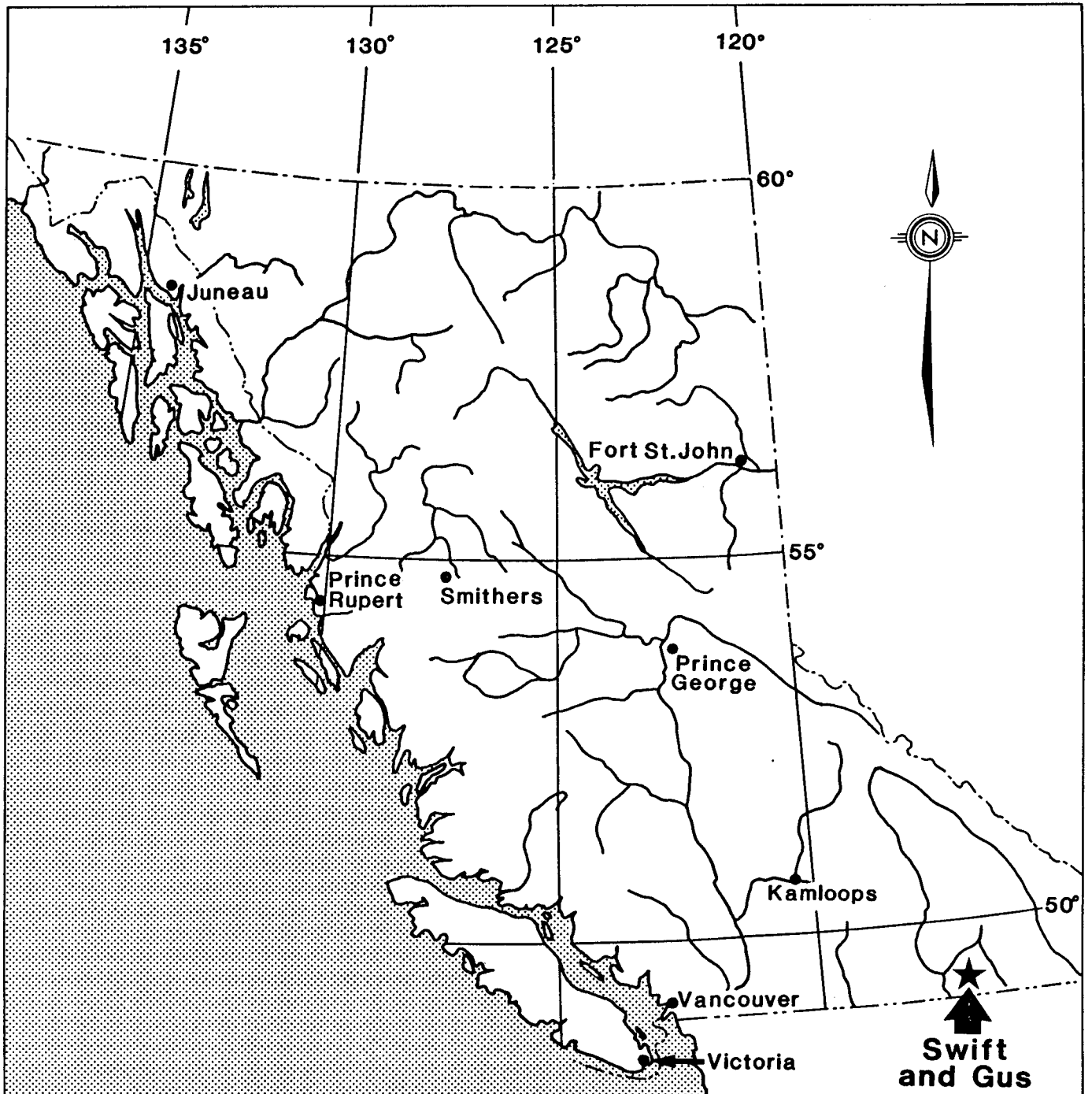
The objective of the soil survey was to help focus exploration for gold-silver mineralization, which is associated with zones of carbonate-sericite alteration in mafic fragmentals of the Elise Formation, part of the Rossland Group.

Linecutting and soil sampling was carried out by K. Murray and Associates, who supplied a three man crew for linecutting and sampling purposes. Work was done during the period of August 14 to October 23, 1986.

Geophysical surveys were contracted to Delta Geoscience, and are described in a separate report.

## LOCATION AND ACCESS

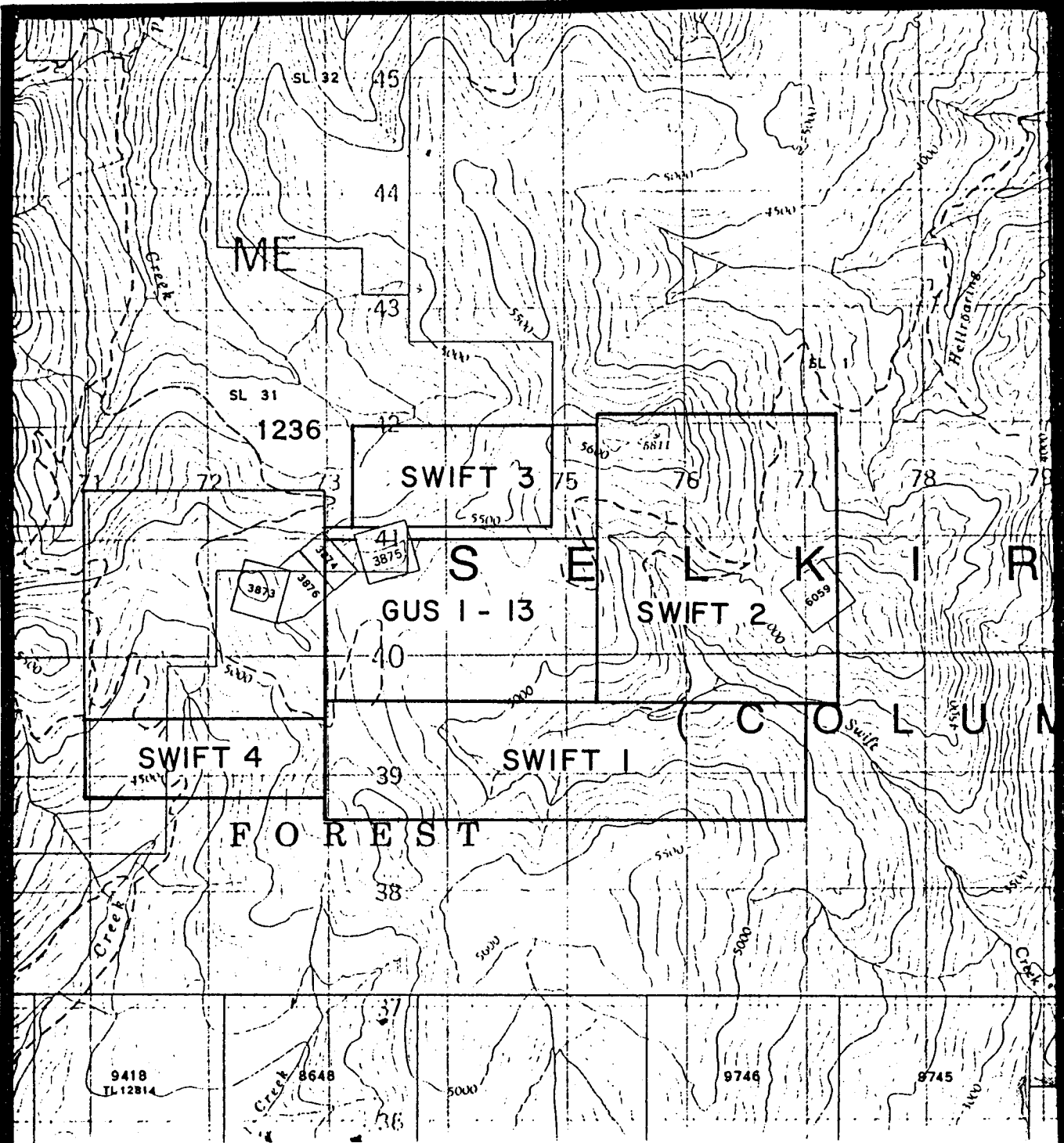
The Swift and Gus claims are located in the Nelson Mining District, N.T.S. 82F/3W, approximately 10 km. south-southwest of Salmo B.C. (Figures 1 and 2). The claims may be reached via a good logging road which joins Highway 3 and 6, two km. south of Salmo. An extensive system of logging roads provides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



Falconbridge Limited

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

Figure 1



<b>FALCONBRIDGE LIMITED</b>	
<b>LOCATION MAP SWIFT &amp; GUS CLAIMS</b>	
NTS 82F/3W	
 SCALE 1 : 50,000	
DATE: Nov. 1986	Figure No: 2



The area features relatively gentle topography with ranges in elevation from 1350 m. to 1700 m. Recent logging activity by Beaumont Timber Co. has removed most stands of merchantable timber, and approximately 50% of the claims are slash covered. Outcrop is scarce except on ridges, which are well exposed.

#### EXPLORATION HISTORY

A number of collapsed pits and trenches are evidence of early attempts to investigate the gold potential of quartz veins in the Rosslund Volcanics during the search for mineralization similar to that found in the Rosslund 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. 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.

#### 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.

Name	Record No.	Units	Expiry Date
Swift 1	3874	16	Sept.7/90
Swift 2	3875	20	"
Swift 3	3876	8	"
Swift 4	3877	8	"
Swift 5	4313	1	Feb.26/87
Swift 6	4314	8	"
Gus 1	2847	1	Oct.20/88
Gus 2	2848	1	"
Gus 3	2849	1	"
Gus 4	2850	1	"
Gus 5	3562	3	Oct.25/87
Gus 6	3573	1	Nov.16/88
Gus 7	3574	1	Nov.16/87
Gus 8	3575	1	"
Gus 9	3576	1	"
Gus 10	3577	1	"
Gus 11	3578	1	"
Gus 12	3579	1	"
Gus 13	3580	1	"

## GEOLOGY

### GENERAL GEOLOGY

The project area is underlain by rocks of the Rossland Group which have been subdivided by Little and Frebald (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

Beddoes - Stephens and Lambert, 1981

Tertiary

OK Volcanic Group

Middle Jurassic-Tertiary

Nelson, Coryell, and Trail Plutonic Rocks

serpentinite

Lower to Middle Jurassic

Hall Formation Sediments

Rossland Volcanic Group

Archibald Formation Sediments

Ymir Group Sediments

Carboniferous

Mt. Roberts Formation Sediments

Ordovician and Earlier

Kootenay Arc Rocks (mainly metasediments)

Age Uncertain

metasediments



thrust fault  
normal fault

0 5 10  
kilometres

Figure 3

Falconbridge Limited

Swift and Gus Claims

Project 103/139

REGIONAL GEOLOGY

British Columbia

N.T.S. 82 F/03W

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 occur 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 Highway 3 and 6 exhibit good exposures of carbonaceous, pyritic, argillites.

The Rosslund 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.

#### PROPERTY GEOLOGY

Property geology is shown on Figure 4 at a scale of 1:5,000. 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.

Fine grained laminated pyritic ash, siltstone and minor chert outcrop west of the Gus 5 claim on the Ace in the Hole claim, and near the south-west corner of Swift 1. Minor pyritic and carbonaceous black argillite occurs in the south-eastern portion of Swift 2.

Intrusive rocks consist of a large body of Nelson granodiorite to granite which outcrops in the south-east 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. 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.

### MINERALIZATION

Visible 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. Au and Ag values up to 2020 ppb. and 75 ppm. respectively were obtained in rock samples. 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 were noted in proximity of alteration in several areas. Narrow zones of carbonate alteration cut by quartz veinlets are found in association with faults or shears in outlying areas. Disseminated pyrite is common in rocks on the property, generally from 1 to 5 %. In the main alteration zone pyrite content can range up to 20% locally.

### SURFICIAL ENVIRONMENT

The project area covers a south-east facing slope which is drained by Swift creek. Elevations range from 1700 m. in the north, to approximately 1350 m. at the south boundary of the claims. Topography is generally moderate with few precipitous slopes.

Forest cover consists of spruce, balsam, and alder. Much of the area south of BL 18+00 N has been logged in

recent years creating slash and increased growth of alder thickets.

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.

## **GEOCHEMISTRY**

### **PROCEDURE**

A total of 1008 soil samples were collected from the B horizon, at 40 m. intervals along grid lines which are spaced at 200 m. intervals. Sample collection was by means of shovels used to dig holes to a depth of 10 to 30 cm. Samples were placed in a standard kraft paper envelope and marked with the grid co-ordinate. Sample descriptions were recorded on a computer coded card for future data storage.

All samples were sent to Bondar Clegg & Company, 130 Pemberton Ave. North Vancouver, to be analyzed for Au and Ag. Standard sample prep procedures were employed, which consisted of drying and sieving to -80 mesh. A .5 gm.

sample of material was dissolved in hot HCL-HNO<sub>3</sub> and analyzed for Ag by Atomic Absorption analysis. A background correction factor was applied for Ag. For Au, a 20 gm. sample was preconcentrated by fire assay, and the dore' bead submitted for Neutron Activation. Analytical results were submitted to the Falconbridge computer data base and statistical parameters were defined. Statistics, histograms, and cumulative frequency graphs are found in Appendix 111. Analytical results are tabulated in Appendix 11. Au and Ag values were plotted at 1:5,000, and contoured (Figures 5a,5b).

## RESULTS

Analytical results for Au show a range of values from 1 ppb to a maximum of 1600 ppb. The histogram indicates a log normal distribution with 97% of the values below 60 ppb. Au. Values are considered to be related to a single population. A threshold of 27 ppb Au was selected based on the distribution of sample values. Truncated data for Au (Appendix 111) indicate a low order anomalous threshold of 29 ppb.

Silver values exhibit a range from 0.2 to 5.7 ppm. A similar log normal distribution of sample values is noted, with 98.5% of the values below 1.5 ppm. The histogram indicates a more erratic frequency distribution which may be due to more than one population, or a bias in reporting results. A threshold of 1.1 ppm. was selected based on



frequency distribution. Truncated data for Ag (Appendix 111) using mean+2 standard deviations gives the same lower anomalous threshold.

### DISCUSSION

The gold values were contoured at intervals of 15, 30, 50, and 100ppb. The resulting anomalies are narrow, sinuous, and exhibit north-east to east trending orientations. The most significant trends are located north of line 18+00N between L 10+00W and L 4+00E. Anomalous values on L 4+00 E suggest further mineral potential lies to the east. Anomaly shapes support the hypothesis that the mineralization is structurally controlled. Orientation of the structural fabric on the property lies subparallel to soil anomalies.

The centre of the survey area exhibits a series of weak Au anomalies with occasional spot highs. This is an area of increasing overburden thickness, which may mask more significant mineralization.

The southern portion of the survey area encompasses the valley of Swift creek. Weak Au values appear to parallel the drainage and may represent a placer concentration. The extreme south-west of the grid contains a significant concentration of Au values, open to the west.

Ag values display a general correlation with Au values, however high Au values are not regularly accompanied by high Ag. The best coincidence for Au and Ag is noted between L

8+00W and L 4+00W, north of L 18+00N. In the survey area, Ag anomalies are frequently found slightly downslope from Au, due to differential mobilities of the two elements. Au is considered a more specific indicator of significant mineralization on the property.

## REFERENCES

BEDDOES-STEPHENS and LAMBERT, 1981 "Geochemical, mineralogical, and isotopic data relating to the origin and tectonic setting of the Rossland volcanic rocks, southern British Columbia", Canadian Journal of Earth Science v. 18, p. 858-868.

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LITTLE, H.W., 1960 "Nelson Map-Area British Columbia", G.S.C. Memoir 308

LITTLE, H.W., 1982 "Geology of the Rossland-Trail Map Area, B.C.", G.S.C. Paper 79-26

LITTLE, H.W., 1985 "Geological Notes Nelson West Half (82F/W1/2) Map Area", Open File 1195.

## STATEMENT OF EXPENDITURES

**Linecutting**

43 line kilometers @ \$200.00/km. \$ 8,600.00

**Soil Sampling**

Sample collection, 1008 @ \$2.50/sample \$ 2,520.00

**Analysis**

Sample shipment, sample prep, analysis  
1008 samples for Au,Ag @ \$9.64/sample \$ 9,712.55

**REPORT**

Report preparation , drafting, etc. \$ 2,000.00

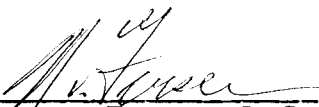
Total \$ 21,833.55

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. degree 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 15<sup>th</sup> day of December, 1986.

  
N. von Fersen B.Sc.

APPENDIX 1

PERSONNEL

Linecutting

K. Murray	Aug. 14 - 22, Sept. 10 - 28, 1986
D. Murray	" "
J. Murray	" "

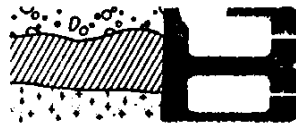
Soil Sampling

K. Murray	Oct. 1 - 7,14,15, 1986
D. Murray	"
J. Murray	"

APPENDIX 11

ANALYTICAL RESULTS





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PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au/wt G	Au PPB	Ag PPM	SAMPLE NUMBER	ELEMENT UNITS	Au/wt G	Au PPB	Ag PPM
SI 12401			3	0.2	SI 12441			4	0.3
SI 12402			12	0.2	SI 12442			13	0.5
SI 12403			5	1.2	SI 12443			8	0.3
SI 12404			3	0.7	SI 12444			13	0.3
SI 12405			7	0.3	SI 12445			13	0.3
SI 12406			10	0.5	SI 12801			27	0.3
SI 12407			1	0.4	SI 12802			4	0.6
SI 12408			1	<0.2	SI 12803			7	1.2
SI 12409			1	0.2	SI 12804			146	0.8
SI 12410			1	<0.2	SI 12805			3	0.4
SI 12411			1	<0.2	SI 12806			10	0.9
SI 12412			1	<0.2	SI 12807			9	0.7
SI 12413			2	<0.2	SI 12808			11	1.3
SI 12414			2	0.5	SI 12809			183	1.5
SI 12415			3	0.3	SI 12810			7	<0.2
SI 12416			2	0.2	SI 12811			9	<0.2
SI 12417			1	<0.2	SI 12812			6	0.3
SI 12418			10	0.8	SI 12813			12	0.6
SI 12419			3	0.4	SI 12814			17	<0.2
SI 12420			4	0.4	SI 12815			7	<0.2
SI 12421			2	0.2	SI 12816			66	0.2
SI 12422			3	0.2	SI 12817			21	0.2
SI 12423			9	0.4	SI 12818			16	0.2
SI 12424			7	0.5	SI 12821			11	<0.2
SI 12425			4	0.3	SI 12822			5	<0.2
SI 12426			4	0.2	SI 12823			35	0.2
SI 12427			9	0.2	SI 12824			12	<0.2
SI 12428			4	0.2	SI 12825			46	0.2
SI 12429			12	<0.2	SI 12826			38	1.6
SI 12430			9	0.6	SI 12827			15	0.5
SI 12431			11	0.2	SI 12828			150	2.0
SI 12432			7	0.6	SI 12829			36	0.4
SI 12433			15	0.5	SI 12830			30	0.7
SI 12434		2.00	10	<0.2	SI 12831			17	0.6
SI 12435		3.00	5	0.2	SI 12832			22	1.0
SI 12436			5	0.2	SI 12833			55	0.5
SI 12437			9	0.5	SI 12834			27	0.7
SI 12438			14	0.4	SI 12835			15	0.6
SI 12439			7	0.4	SI 12836			17	0.4
SI 12440			10	0.2	SI 12837			11	1.2



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SAMPLE NUMBER	ELEMENT UNITS	Au/wt G	Au PPB	Ag PPM	SAMPLE NUMBER	ELEMENT UNITS	Au/wt G	Au PPB	Ag PPM
SI 12833			20	0.4	SI 12884			2	<0.2
SI 12841			3	0.9	SI 12885			8	<0.2
SI 12842			8	1.1	SI 12886			3	<0.2
SI 12843			18	0.3	SI 12887			2	<0.2
SI 12844			42	0.5	SI 12888			<1	<0.2
SI 12845			13	0.7	SI 12889			2	0.2
SI 12846			9	0.7	SI 12890			<1	0.3
SI 12847			6	1.1	SI 12891			1	0.3
SI 12848			10	1.4	SI 12892			5	0.2
SI 12849			3	1.1	SI 12893			1	<0.2
SI 12850			8	2.4	SI 12894			5	<0.2
SI 12851			20	1.3	SI 12895			3	0.2
SI 12852			17	0.3	SI 12896			18	0.3
SI 12853			551	0.2	SI 12897			5	<0.2
SI 12854			250	<0.2	SI 12898			16	0.6
SI 12855			1600	0.4	SI 12901			2	<0.2
SI 12856			3	<0.2	SI 12902			4	0.3
SI 12857			9	<0.2	SI 12903			2	0.5
SI 12858			<1	0.2	SI 12904			7	0.2
SI 12861			3	0.3	SI 12905			1	0.2
SI 12862			16	<0.2	SI 12906			2	0.3
SI 12863			31	<0.2	SI 12907			1	<0.2
SI 12864			5	<0.2	SI 12908			1	<0.2
SI 12865			28	<0.2	SI 12909			5	<0.2
SI 12866			5	0.3	SI 12910			23	<0.2
SI 12867			8	0.3	SI 12911			1	<0.2
SI 12868			14	0.8	SI 12912			2	<0.2
SI 12869			5	0.6	SI 12913			2	<0.2
SI 12870			13	0.6	SI 12914			1	<0.2
SI 12871			14	0.7	SI 12915			6	<0.2
SI 12872			3	0.4	SI 12916			3	<0.2
SI 12873			44	5.7	SI 12917			5	<0.2
SI 12874			16	2.6	SI 12918			<1	<0.2
SI 12875			2	0.5	SI 12921			4	0.2
SI 12876			51	1.9	SI 12922			2	0.2
SI 12877			10	0.6	SI 12923			2	0.2
SI 12878			6	0.7	SI 12924			4	0.4
SI 12881			<1	<0.2	SI 12925			4	0.8
SI 12882			1	<0.2	SI 12926			17	0.2
SI 12883			1	<0.2	SI 12927			3	<0.2



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PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au/wt G	Au PPB	Ag PPM	SAMPLE NUMBER	ELEMENT UNITS	Au/wt G	Au PPB	Ag PPM
SI 12920			4	0.2	SI 12972			7	0.4
SI 12929			2	0.3	SI 12973		13.00	8	0.7
SI 12930			3	0.3	SI 12974		7.00	3	0.6
SI 12931			2	<0.2	SI 12975		11.00	2	0.5
SI 12932			12	<0.2	SI 12976		16.00	1	0.5
SI 12933			1	<0.2	SI 12977			2	0.3
SI 12934			2	0.2	SI 12978			2	0.4
SI 12935			2	<0.2	SI 12981			4	0.9
SI 12936			5	<0.2	SI 12982			1	0.3
SI 12937			4	0.2	SI 12983			3	0.3
SI 12938			2	<0.2	SI 12984			2	0.3
SI 12941			25	0.2	SI 12985			2	0.5
SI 12942			1	<0.2	SI 12986			2	0.7
SI 12943			1	<0.2	SI 12987			1	1.2
SI 12944			2	0.2	SI 12988			1	1.2
SI 12945			1	0.2	SI 12989			2	0.3
SI 12946			3	<0.2	SI 12990			2	0.6
SI 12947			2	<0.2	SI 12991			2	1.0
SI 12948			2	<0.2	SI 12992			12	1.0
SI 12949			7	0.4	SI 12993			2	<0.2
SI 12950			4	0.8	SI 12994			3	0.3
SI 12951			10	0.3	SI 12995			6	1.0
SI 12952			2	0.8	SI 12996			2	<0.2
SI 12953			3	0.5	SI 12997			2	0.5
SI 12954			3	0.5	SI 12998			2	0.4
SI 12955			5	0.3	SI 13201		11.00	28	0.3
SI 12956			10	0.6	SI 13202			5	0.2
SI 12957			5	0.3	SI 13203			35	0.5
SI 12958			1	0.8	SI 13204			31	0.2
SI 12961			2	1.0	SI 13205		6.00	1500	1.0
SI 12962			2	0.6	SI 13206			24	<0.2
SI 12963			11	0.6	SI 13207			14	<0.2
SI 12964			2	0.6	SI 13208			53	0.3
SI 12965			1	0.6	SI 13209		15.00	6	0.7
SI 12966			2	0.7	SI 13210			7	0.3
SI 12967			3	0.6	SI 13211			9	<0.2
SI 12968			2	0.7	SI 13212			4	0.2
SI 12969			1	1.0	SI 13213			6	0.2
SI 12970			1	0.6	SI 13214			8	0.4
SI 12971			1	3.0	SI 13215			5	0.2



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SAMPLE NUMBER	ELEMENT UNITS	Au/wt G	Au PPB	Ag PPM	SAMPLE NUMBER	ELEMENT UNITS	Au/wt G	Au PPB	Ag PPM
SI 13216			67	<0.2	SI 13262			6	0.2
SI 13217			11	0.4	SI 13263			4	0.4
SI 13218			19	0.2	SI 13264			2	<0.2
SI 13221			19	0.4	SI 13265			4	0.3
SI 13222			27	0.3	SI 13266			1	<0.2
SI 13223			7	0.2	SI 13267			5	<0.2
SI 13224			3	0.2	SI 13268			1	<0.2
SI 13225			14	0.4	SI 13269			4	0.2
SI 13226			3	<0.2	SI 13270			3	0.4
SI 13227			2	<0.2	SI 13271			10	0.2
SI 13228			3	<0.2	SI 13272			30	0.2
SI 13229			3	0.3	SI 13273			12	0.2
SI 13230			6	0.5	SI 13274			1	0.2
SI 13231			10	0.7	SI 13275			2	0.2
SI 13232			6	0.6	SI 13276			16	<0.2
SI 13233			2	0.5	SI 13277			2	0.5
SI 13234			6	0.4	SI 13278			1	0.3
SI 13235			9	0.6	SI 13279			63	0.2
SI 13236			1	0.3	SI 13280			4	0.4
SI 13237			15	0.2	SI 13281			<1	0.6
SI 13238			16	0.2	SI 13282			3	0.4
SI 13241			3	0.3	SI 13283			2	<0.2
SI 13242			8	0.4	SI 13284			3	<0.2
SI 13243			5	<0.2	SI 13285			5	<0.2
SI 13244			12	0.2	SI 13286			3	0.3
SI 13245			3	<0.2	SI 13287			4	<0.2
SI 13246			7	<0.2	SI 13288			1	<0.2
SI 13247			12	<0.2	SI 13289			1	<0.2
SI 13248			46	<0.2	SI 13290			2	<0.2
SI 13249			7	0.2	SI 13291			2	<0.2
SI 13250			64	<0.2	SI 13292			9	0.3
SI 13251			6	0.3	SI 13293			3	0.6
SI 13252			269	0.2	SI 13294			<1	0.2
SI 13253			201	0.6	SI 13295			2	0.5
SI 13254			77	0.5	SI 13296			5	0.4
SI 13255			10	0.3	SI 13297			3	0.6
SI 13256			8	0.6	SI 13298			25	0.3
SI 13257			4	<0.2	SI 13299			13	1.2
SI 13258			7	0.3	SI 13300			3	0.5
SI 13261			1	0.6	SI 13301			3	0.2



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SAMPLE NUMBER	ELEMENT UNITS	Au/wt G	Au PPB	Ag PPM	SAMPLE NUMBER	ELEMENT UNITS	Au/wt G	Au PPB	Ag PPM
SI 13302			3	<0.2	SI 13349			2	0.5
SI 13303			3	0.2	SI 13350			<1	0.4
SI 13304			2	0.8	SI 13351			<1	0.4
SI 13305			5	0.8	SI 13352			2	<0.2
SI 13309			12	0.2	SI 13353			1	0.2
SI 13310			15	<0.2	SI 13354			1	<0.2
SI 13311			39	<0.2	SI 13355			1	0.2
SI 13312			32	0.7	SI 13356			1	<0.2
SI 13313			4	0.2	SI 13357			1	<0.2
SI 13314			14	0.3	SI 13358			3	<0.2
SI 13315			11	0.4	SI 13359			2	<0.2
SI 13316			23	0.5	SI 13360			1	0.2
SI 13317			11	0.2	SI 13361			3	<0.2
SI 13318			8	1.0	SI 13362			<1	0.2
SI 13319			7	0.7	SI 13363			2	<0.2
SI 13320			18	1.2	SI 13364			1	0.4
SI 13321		9.00	2	0.2	SI 13365			<1	0.5
SI 13322			10	0.6	SI 13366			2	<0.2
SI 13323			11	0.4					
SI 13324			12	0.9					
SI 13325			70	0.7					
SI 13326			22	1.1					
SI 13329		10.00	2	0.6					
SI 13330			9	0.8					
SI 13331			28	0.7					
SI 13332			5	0.5					
SI 13333			4	1.1					
SI 13334		7.00	6	0.7					
SI 13335			1	0.3					
SI 13336			7	0.3					
SI 13337			2	0.2					
SI 13338			1	0.5					
SI 13339			4	0.4					
SI 13340			6	<0.2					
SI 13341		10.00	10	<0.2					
SI 13342			2	0.2					
SI 13343			2	<0.2					
SI 13344			19	<0.2					
SI 13345			2	<0.2					
SI 13346			6	<0.2					



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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
SI 12001		0.4	5	SI 12041		0.4	2
SI 12002		0.4	7	SI 12042		0.6	4
SI 12003		1.3	7	SI 12043		0.3	19
SI 12004		0.2	7	SI 12044		0.6	286
SI 12005		0.4	4	SI 12045		1.2	6
SI 12006		0.4	35	SI 12046		0.5	3
SI 12007		0.4	12	SI 12047		0.4	4
SI 12008		0.3	8	SI 12048		0.9	35
SI 12009		0.4	14	SI 12049		0.4	2
SI 12010		1.2	5	SI 12050		0.6	3
SI 12011		0.8	12	SI 12051		0.7	6
SI 12012		0.4	11	SI 12052		1.0	5
SI 12013		0.5	3	SI 12053		0.4	23
SI 12014		0.6	28	SI 12054		0.5	5
SI 12015		0.8	86	SI 12055		0.4	7
SI 12016		0.5	20	SI 12056		0.6	11
SI 12017		0.7	63	SI 12057		0.3	26
SI 12018		1.0	31	SI 12058		0.6	34
SI 12019		0.3	6	SI 12059		0.6	15
SI 12020		0.4	82	SI 12060		0.9	31
SI 12021		1.0	10	SI 12061		1.2	18
SI 12022		0.5	3	SI 12062		1.2	121
SI 12023		0.2	4	SI 12063		0.4	7
SI 12024		0.7	2	SI 12064		0.5	23
SI 12025		0.6	2	SI 12065		0.6	14
SI 12026		0.6	3	SI 12066		0.4	13
SI 12027		0.4	3	SI 12067		0.2	19
SI 12028		0.7	8	SI 12068		0.2	23
SI 12029		1.9	10	SI 12069		0.6	6
SI 12030		0.6	7	SI 12070		0.8	7
SI 12031		1.2	6	SI 12071		<0.2	3
SI 12032		1.1	8	SI 12072		0.8	9
SI 12033		0.8	7	SI 12073		0.7	3
SI 12034		0.8	9	SI 12074		1.1	2
SI 12035		0.5	7	SI 12075		0.7	<1
SI 12036		1.0	<1	SI 12076		0.6	3
SI 12037		0.9	2	SI 12077		0.4	2
SI 12038		0.7	2	SI 12078		1.4	<1
SI 12039		0.4	1	SI 12079		0.3	<1
SI 12040		0.5	2	SI 12080		0.5	3



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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
SI 12081		0.8	2	SI 12121		1.2	17
SI 12082		0.8	8	SI 12122		0.3	<1
SI 12083		0.8	162	SI 12123		0.4	3
SI 12084		0.4	11	SI 12124		0.9	<1
SI 12085		0.3	11	SI 12125		0.6	2
SI 12086		0.6	5	SI 12126		0.4	3
SI 12087		0.6	11	SI 12127		0.6	<1
SI 12088		0.5	21	SI 12128		0.8	1
SI 12089		0.6	9	SI 12129		0.8	2
SI 12090		0.6	11	SI 12130		1.2	2
SI 12091		0.6	3	SI 12131		0.4	<1
SI 12092		0.7	9	SI 12132		0.2	<1
SI 12093		0.7	53	SI 12133		0.6	2
SI 12094		1.0	14	SI 12134		0.5	<1
SI 12095		0.4	7	SI 12135		1.1	4
SI 12096		0.4	2	SI 12136		0.8	2
SI 12097		0.7	6	SI 12137		1.0	3
SI 12098		0.4	179	SI 12138		<0.2	<1
SI 12099		0.2	11	SI 12139		0.3	4
SI 12100		0.7	7	SI 12140		0.4	2
SI 12101		0.4	3	SI 12141		1.3	4
SI 12102		0.6	29	SI 12142		0.5	<1
SI 12103		0.2	5	SI 12143		0.4	4
SI 12104		0.8	7	SI 12144		0.6	18
SI 12105		0.4	14	SI 12145		1.2	<1
SI 12106		1.0	8	SI 12146		0.6	<1
SI 12107		1.3	16	SI 12147		0.6	25
SI 12108		0.7	4	SI 12148		2.1	6
SI 12109		0.3	4	SI 12149		0.2	6
SI 12110		0.4	6	SI 12150		0.2	3
SI 12111		0.5	4	SI 12151		0.2	6
SI 12112		0.3	7	SI 12152		<0.2	11
SI 12113		0.6	5	SI 12153		0.4	55
SI 12114		0.4	12	SI 12154		0.2	26
SI 12115		0.6	12	SI 12155		0.5	12
SI 12116		0.5	<1	SI 12156		0.5	17
SI 12117		0.7	<1	SI 12157		0.7	102
SI 12118		0.9	<1	SI 12158		0.6	34
SI 12119		1.0	2	SI 12159		0.4	27
SI 12120		1.5	4	SI 12160		0.3	31



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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
SI 12201		0.7	8	SI 12241		0.4	5
SI 12202		0.8	33	SI 12242		1.6	9
SI 12203		0.7	7	SI 12243		0.6	19
SI 12204		0.6	8	SI 12244		0.8	4
SI 12205		0.3	14	SI 12245		0.2	10
SI 12206		0.8	10	SI 12246		<0.2	29
SI 12207		0.4	14	SI 12247		0.6	7
SI 12208		0.5	7	SI 12248		0.9	9
SI 12209		0.6	4	SI 12249		1.2	7
SI 12210		0.6	42	SI 12250		0.5	6
SI 12211		0.6	17	SI 12251		0.6	9
SI 12212		0.5	5	SI 12252		0.2	7
SI 12213		0.4	6	SI 12253		0.5	4
SI 12214		0.4	4	SI 12254		0.6	6
SI 12215		0.5	7	SI 12255		1.0	8
SI 12216		0.4	9	SI 12256		0.8	6
SI 12217		0.4	6	SI 12257		0.6	15
SI 12218		0.4	7	SI 12258		1.4	14
SI 12219		0.4	15	SI 12259		1.3	10
SI 12220		0.3	72	SI 12260		0.6	4
SI 12221		0.4	17	SI 12261		0.4	10
SI 12222		0.4	26	SI 12262		1.0	47
SI 12223		0.5	11	SI 12263		0.2	43
SI 12224		0.7	24	SI 12264		0.8	30
SI 12225		0.7	8	SI 12265		0.6	10
SI 12226		0.5	<1	SI 12266		0.2	24
SI 12227		0.6	1	SI 12267		0.2	8
SI 12228		0.3	17	SI 12268		0.7	9
SI 12229		0.4	<1	SI 12269		0.5	12
SI 12230		1.1	16	SI 12270		0.4	31
SI 12231		<0.2	3	SI 12271		0.6	<1
SI 12232		0.2	5	SI 12272		0.6	<1
SI 12233		0.2	2	SI 12273		1.0	<1
SI 12234		0.2	4	SI 12274		0.4	<1
SI 12235		0.2	2	SI 12275		0.6	<1
SI 12236		<0.2	3	SI 12276		0.4	3
SI 12237		<0.2	4	SI 12277		0.6	<1
SI 12238		0.3	14	SI 12278		0.4	3
SI 12239		0.6	10	SI 12279		0.6	1
SI 12240		0.4	1	SI 12280		0.2	<1





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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
SI 12281		0.3	<1	SI 12451		1.0	9
SI 12282		0.6	<1	SI 12452		0.5	4
SI 12283		0.5	<1	SI 12453		0.4	3
SI 12284		0.2	2	SI 12454		0.6	4
SI 12285		0.2	1	SI 12455		0.4	10
SI 12286		<0.2	2	SI 12456		0.7	51
SI 12287		0.3	20	SI 12457		0.8	12
SI 12288		0.8	<1	SI 12458		0.4	8
SI 12289		0.4	1	SI 12459		0.5	14
SI 12290		0.3	1	SI 12460		0.6	11
SI 12291		0.3	2	SI 12461		0.6	9
SI 12292		0.3	<1	SI 12462		0.6	12
SI 12293		0.2	<1	SI 12463		0.4	10
SI 12294		<0.2	5	SI 12464		0.5	15
SI 12295		0.2	<1	SI 12465		0.4	9
SI 12296		<0.2	1	SI 12466		<0.2	35
SI 12297		0.2	<1	SI 12467		0.3	8
SI 12298		0.3	<1	SI 12468		<0.2	23
SI 12299		0.3	<1	SI 12469		0.5	18
SI 12300		0.2	<1	SI 12470		0.5	18
SI 12301		0.2	<1	SI 12471		<0.2	233
SI 12302		0.4	<1	SI 12472		0.4	16
SI 12303		0.3	1	SI 12473		0.5	8
SI 12304		<0.2	4	SI 12474		0.4	8
SI 12305		0.4	9	SI 12475		0.5	17
SI 12306		0.4	5	SI 12476		0.8	13
SI 12307		0.3	4	SI 12477		0.4	3
SI 12308		0.3	13	SI 12478		0.6	6
SI 12309		0.8	6	SI 12479		0.5	4
SI 12310		0.4	6	SI 12480		0.6	8
SI 12311		0.4	464	SI 12481		0.6	3
SI 12312		0.4	6	SI 12482		0.5	10
SI 12313		0.2	16	SI 12483		0.4	7
SI 12314		0.2	28	SI 12484		0.5	6
SI 12315		0.2	13	SI 12485		0.3	10
SI 12446		0.4	25	SI 12486		0.3	12
SI 12447		0.4	10	SI 12487		1.1	17
SI 12448		0.4	19	SI 12488		0.6	8
SI 12449		0.5	12	SI 12489		0.4	5
SI 12450		0.7	18	SI 12490		0.3	19

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
SI 12491		0.2	176	SI 12531		0.4	47
SI 12492		0.9	8	SI 12532		0.6	7
SI 12493		0.5	3	SI 12533		0.5	12
SI 12494		0.6	5	SI 12534		0.6	3
SI 12495		0.4	6	SI 12535		0.8	18
SI 12496		0.8	3	SI 12536		0.5	<1
SI 12497		0.5	10	SI 12537		0.6	<1
SI 12498		0.7	8	SI 12538		0.6	2
SI 12499		0.4	71	SI 12539		0.5	<1
SI 12500		0.8	6	SI 12540		0.4	<1
SI 12501		1.2	4	SI 12541		0.6	<1
SI 12502		0.5	6	SI 12542		0.5	1
SI 12503		0.9	9	SI 12543		0.3	2
SI 12504		0.6	9	SI 12544		0.2	<1
SI 12505		0.5	12	SI 12545		1.5	2
SI 12506		0.4	13	SI 12546		0.5	<1
SI 12507		0.5	8	SI 12547		0.5	1
SI 12508		0.3	45	SI 12548		0.4	2
SI 12509		0.6	15	SI 12549		0.4	<1
SI 12510		0.6	4	SI 12550		0.5	<1
SI 12511		0.5	8	SI 12551		0.4	<1
SI 12512		0.3	13	SI 12552		0.4	<1
SI 12513		0.5	16	SI 12553		0.6	3
SI 12514		0.5	22	SI 12554		0.3	3
SI 12515		0.2	14	SI 12555		0.2	11
SI 12516		0.3	4	SI 12556		0.8	3
SI 12517		0.4	8	SI 12557		0.4	6
SI 12518		0.5	8	SI 12558		0.4	31
SI 12519		0.4	3	SI 12559		1.0	9
SI 12520		0.4	2	SI 12560		0.6	3
SI 12521		0.6	5	SI 12561		1.0	12
SI 12522		0.8	4	SI 12562		0.6	10
SI 12523		0.4	8	SI 12563		0.8	16
SI 12524		0.6	15	SI 12564		1.0	19
SI 12525		0.4	20	SI 12565		0.4	9
SI 12526		0.5	11	SI 12566		0.9	12
SI 12527		0.4	15	SI 12567		1.1	23
SI 12528		0.6	16	SI 12568		0.6	13
SI 12529		0.6	8	SI 12569		0.6	6
SI 12530		0.6	6	SI 12570		0.9	7



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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PFB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PFB
SI 12571		0.7	7	SI 12611		0.5	15
SI 12572		0.9	10	SI 12612		0.5	10
SI 12573		0.4	14	SI 12613		0.3	24
SI 12574		0.4	<1	SI 12614		1.0	28
SI 12575		0.6	18	SI 12615		0.6	13
SI 12576		1.0	18	SI 12616		0.3	13
SI 12577		1.0	27	SI 12617		1.1	9
SI 12578		0.3	82	SI 12618		0.4	11
SI 12579		0.3	20	SI 12619		0.7	22
SI 12580		0.6	18	SI 12620		0.4	17
SI 12581		0.4	16	SI 12621		0.4	12
SI 12582		0.4	6	SI 12622		0.4	11
SI 12583		1.0	6	SI 12623		0.5	20
SI 12584		0.4	4	SI 12624		0.4	13
SI 12585		0.4	9	SI 12625		0.4	9
SI 12586		0.5	29	SI 12626		0.4	14
SI 12587		0.6	15	SI 12627		0.2	10
SI 12588		0.4	16	SI 12628		0.2	37
SI 12589		0.7	24	SI 12629		0.4	5
SI 12590		0.7	31	SI 12630		0.8	5
SI 12591		0.2	30	SI 12631		0.6	4
SI 12592		0.2	18	SI 12632		0.5	6
SI 12593		0.6	8	SI 12633		0.2	4
SI 12594		0.4	6	SI 12634		0.2	4
SI 12595		0.4	12	SI 12635		0.6	4
SI 12596		0.4	5	SI 12636		0.5	2
SI 12597		0.4	13	SI 12637		0.4	3
SI 12598		0.4	3	SI 12638		0.7	3
SI 12599		1.1	5	SI 12639		0.6	69
SI 12600		0.3	6	SI 12640		0.5	4
SI 12601		0.6	18	SI 12641		1.3	26
SI 12602		1.1	19	SI 12642		0.7	<1
SI 12603		0.9	25	SI 12643		0.3	9
SI 12604		1.5	51	SI 12644		0.6	10
SI 12605		0.9	4	SI 12645		1.0	12
SI 12606		0.8	10	SI 12646		0.4	21
SI 12607		0.8	9	SI 12647		0.2	10
SI 12608		0.7	12	SI 12648		0.6	5
SI 12609		0.9	4	SI 12649		0.2	12
SI 12610		0.5	20	SI 12650		0.4	5



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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
SI 12651		0.4	30	SI 12691		0.6	1
SI 12652		0.6	10	SI 12692		0.6	<1
SI 12653		0.4	11	SI 12693		0.8	3
SI 12654		0.7	32	SI 12694		0.7	<1
SI 12655		0.7	32	SI 12695		0.5	<1
SI 12656		0.6	8	SI 12696		0.8	<1
SI 12657		0.7	10	SI 12697		0.5	<1
SI 12658		0.6	54	SI 12698		0.5	2
SI 12659		0.5	12	SI 12699		0.8	2
SI 12660		0.2	8	SI 12700		1.2	4
SI 12661		0.6	13	SI 12701		0.2	<1
SI 12662		0.4	26	SI 12702		0.6	5
SI 12663		0.8	14	SI 12703		0.4	2
SI 12664		0.8	5	SI 12704		0.5	9
SI 12665		0.8	7	SI 12705		0.2	5
SI 12666		0.2	4	SI 12706		0.4	22
SI 12667		0.3	6	SI 12707		0.6	11
SI 12668		0.3	4	SI 12708		0.7	10
SI 12669		1.1	8	SI 12709		0.3	14
SI 12670		0.7	4	SI 12710		1.1	3
SI 12671		0.7	13	SI 12711		0.2	13
SI 12672		0.4	31	SI 12712		0.4	13
SI 12673		0.5	11	SI 12713		0.4	10
SI 12674		0.6	5	SI 12714		0.3	10
SI 12675		0.5	3	SI 12715		0.2	12
SI 12676		1.2	14	SI 12716		0.2	29
SI 12677		0.8	13	SI 12717		0.2	15
SI 12678		0.7	18	SI 12718		0.4	79
SI 12679		0.4	10	SI 12719		1.3	9
SI 12680		0.4	24	SI 12720		0.5	9
SI 12681		0.4	20	SI 12721		0.8	11
SI 12682		0.8	4	SI 12722		0.5	7
SI 12683		0.4	15	SI 12723		0.8	8
SI 12684		0.7	7	SI 12724		1.0	119
SI 12685		0.8	4	SI 12725		0.8	13
SI 12686		0.7	8	SI 12726		0.5	18
SI 12687		0.6	24	SI 12727		0.6	21
SI 12688		0.2	23	SI 12728		0.6	9
SI 12689		1.1	8	SI 12729		0.3	24
SI 12690		1.0	12	SI 12730		0.4	9



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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
SI 12731		0.6	11	SI 12771		0.4	15
SI 12732		0.4	9	SI 12772		0.4	9
SI 12733		0.6	3	SI 12773		1.0	6
SI 12734		<0.2	<1	SI 12774		0.4	9
SI 12735		0.5	2	SI 12775		1.1	9
SI 12736		0.4	86	SI 12776		0.8	16
SI 12737		0.7	10	SI 12777		0.6	15
SI 12738		0.6	13	SI 12778		0.6	18
SI 12739		1.0	13	SI 12779		1.0	9
SI 12740		0.9	9	SI 12780		1.2	8
SI 12741		0.4	7	SI 12781		0.5	1
SI 12742		1.0	5	SI 12782		0.6	5
SI 12743		1.0	3	SI 12783		0.4	15
SI 12744		0.4	13	SI 12784		0.6	7
SI 12745		0.6	6	SI 12785		0.6	9
SI 12746		1.2	11	SI 12786		0.4	10
SI 12747		0.6	23	SI 12787		1.4	9
SI 12748		0.5	43	SI 12788		0.7	18
SI 12749		0.7	16	SI 12789		1.0	6
SI 12750		0.9	6	SI 12790		0.9	16
SI 12751		0.4	7	SI 12791		0.5	18
SI 12752		1.7	6	SI 12792		0.8	12
SI 12753		1.1	3	SI 12793		1.1	32
SI 12754		0.5	5	SI 12794		0.6	15
SI 12755		0.2	41	SI 12795		1.2	21
SI 12756		0.6	6	SI 12796		0.5	11
SI 12757		0.6	4	SI 12797		1.4	5
SI 12758		0.5	<1	SI 12798		0.8	23
SI 12759		0.5	8	SI 12799		0.8	10
SI 12760		1.1	3	SI 12800		0.8	1
SI 12761		0.7	2				
SI 12762		0.6	<1				
SI 12763		0.7	2				
SI 12764		0.5	10				
SI 12765		0.3	7				
SI 12766		1.4	4				
SI 12767		0.8	3				
SI 12768		0.9	5				
SI 12769		0.8	11				
SI 12770		0.5	9				

APPENDIX 111

STATISTICS AND HISTOGRAMS

### SWIFT-GUS SOILS (Au.)

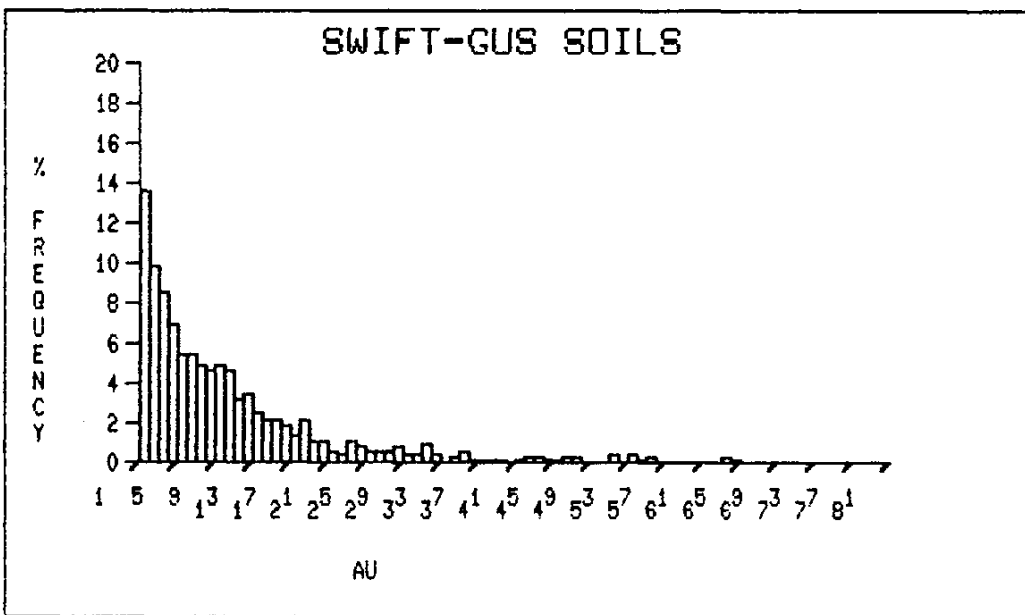
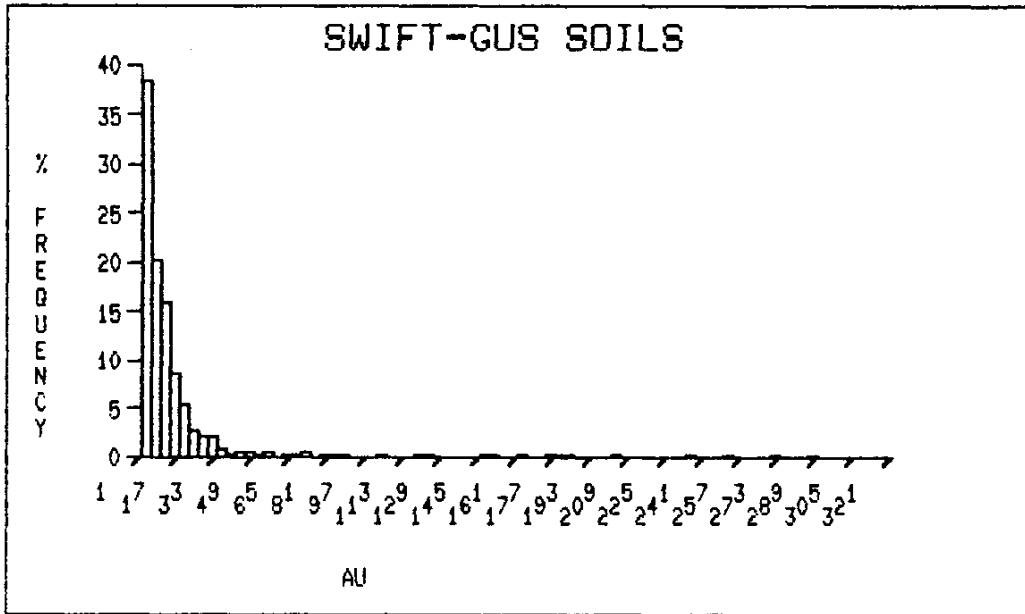
NUMBER OF SAMPLES	:	1004
MINIMUM	:	0.
MAXIMUM	:	286.
MEAN	:	13.
STANDARD DEVIATION	:	25.
MEDIAN	:	7.
MODE	:	2.
SKEWNESS	:	1.
KURTOSIS	:	56.
NUMBER OF CLASSES	:	80
CLASS INTERVAL	:	4.

Truncated: 0-300 ppb Au.

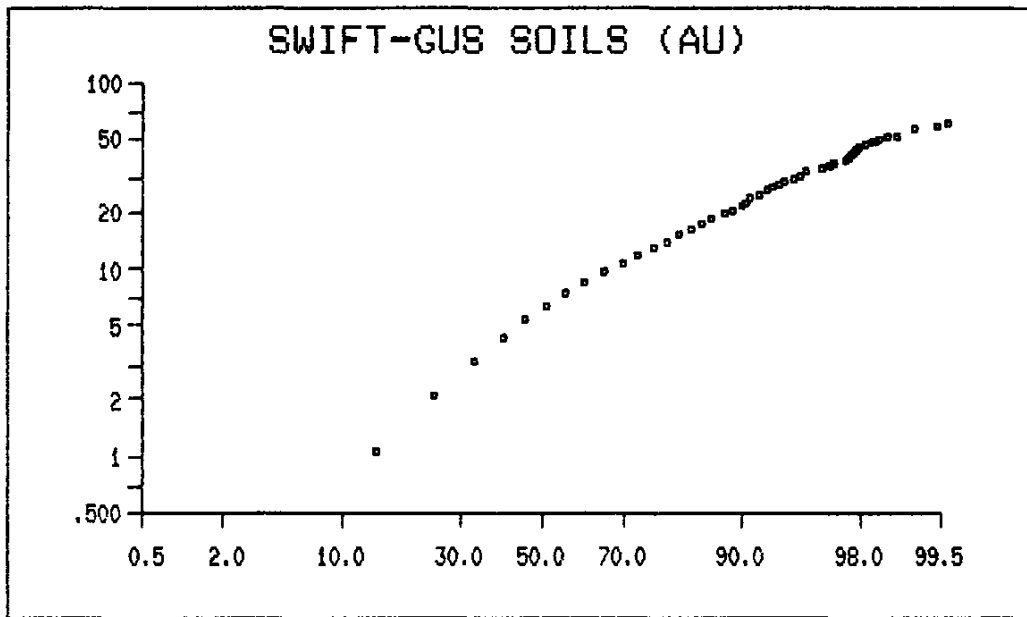
### SWIFT-GUS SOILS (Au.)

NUMBER OF SAMPLES	:	978
MINIMUM	:	0.
MAXIMUM	:	64.
MEAN	:	9.
STANDARD DEVIATION	:	10.
MEDIAN	:	7.
MODE	:	2.
SKEWNESS	:	1.
KURTOSIS	:	9.
NUMBER OF CLASSES	:	80
CLASS INTERVAL	:	1.

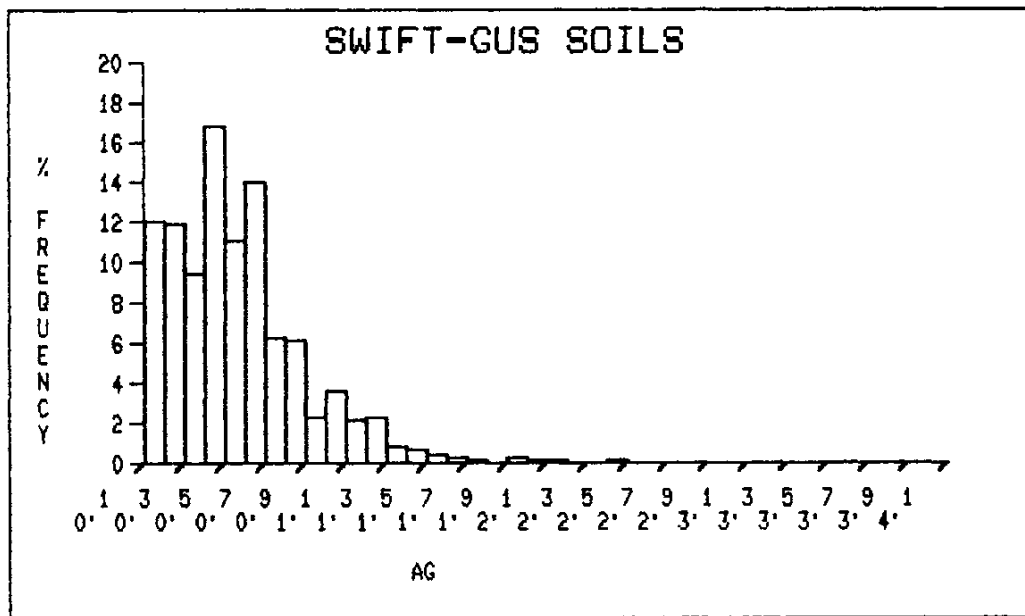
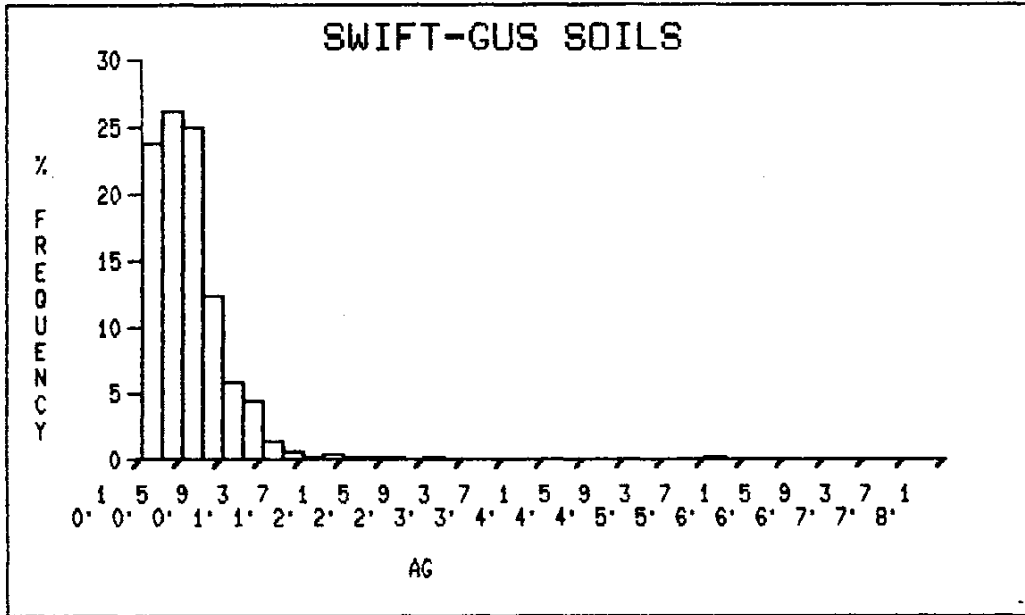
Truncated: 0-65 ppb Au.





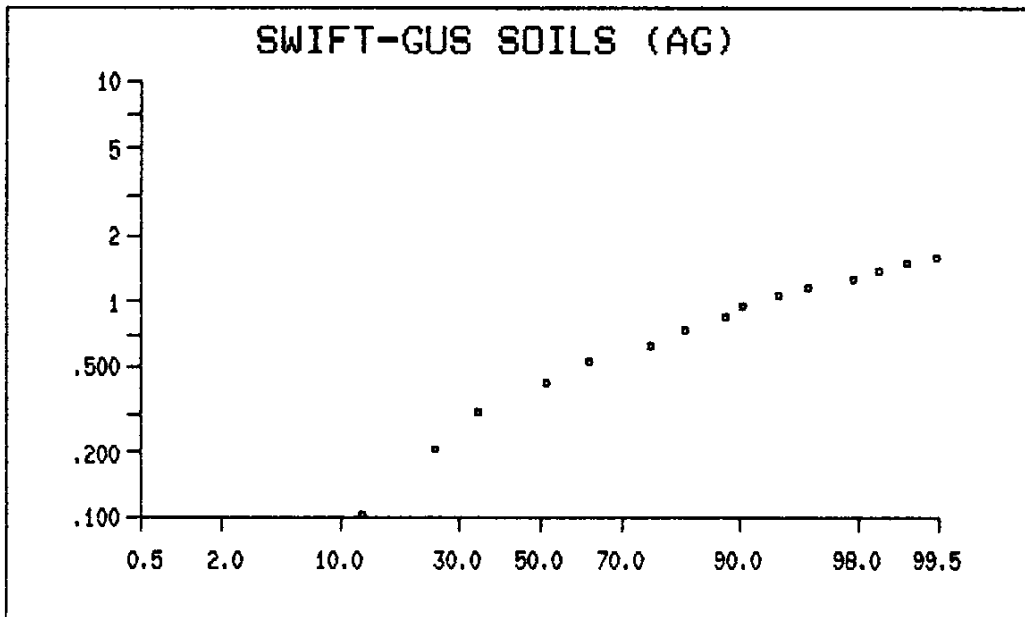


CUMULATIVE FREQUENCY

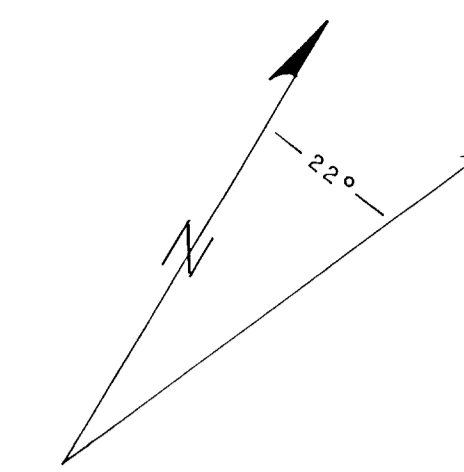


# SWIFT-GUS SOILS AG

NUMBER OF SAMPLES :	1006
MINIMUM :	0.1
MAXIMUM :	5.7
MEAN :	0.5
STANDARD DEVIATION :	0.4
MEDIAN :	0.5
MODE :	0.4
SKEWNESS :	0.1
KURTOSIS :	41.2
NUMBER OF CLASSES :	40
CLASS INTERVAL :	0.2

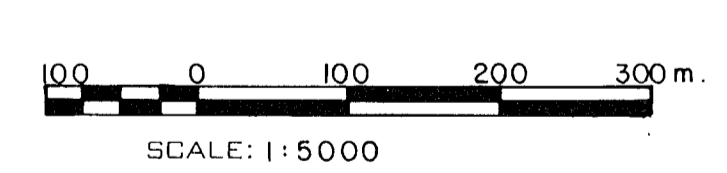


CUMULATIVE FREQUENCY



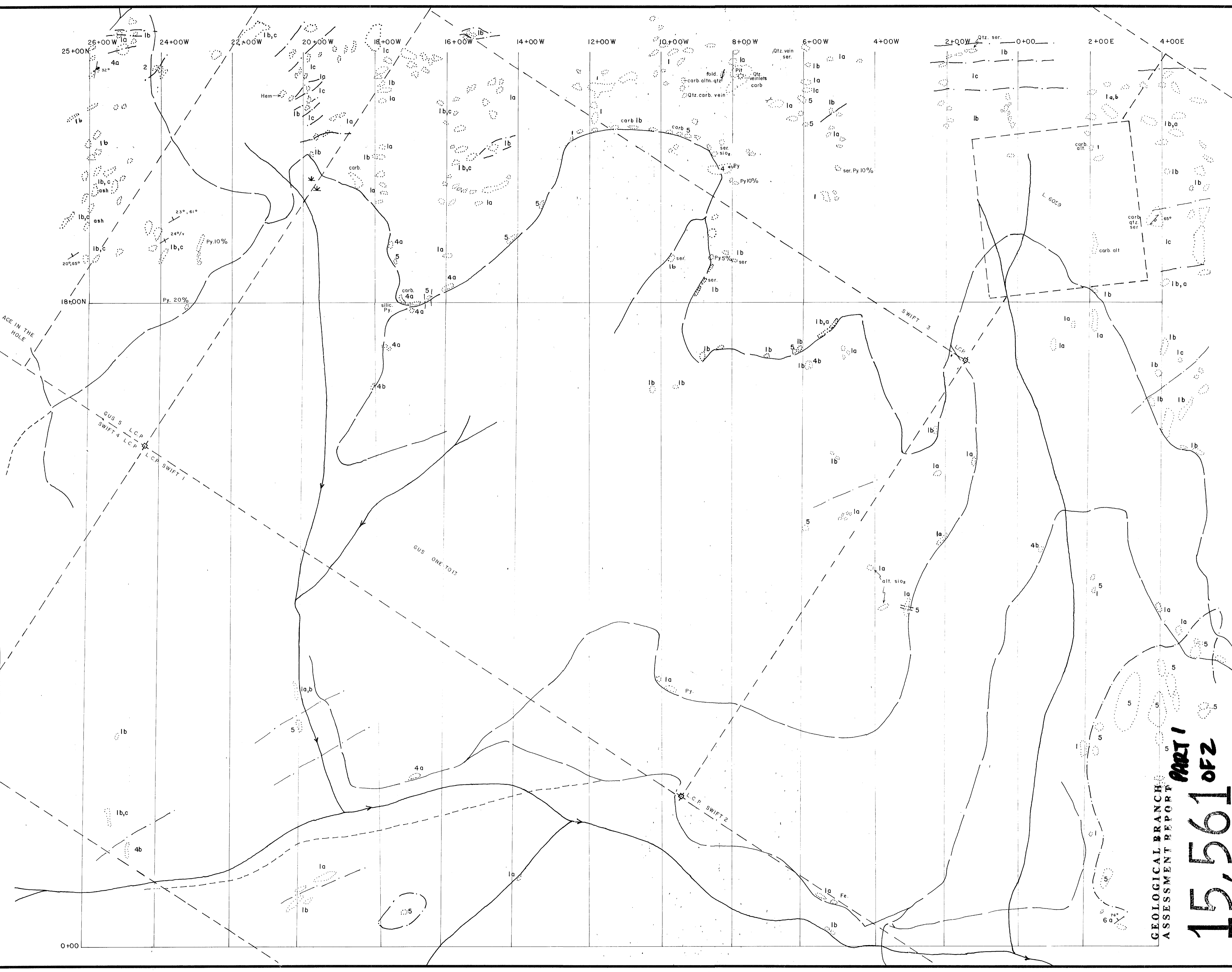
LEGEND

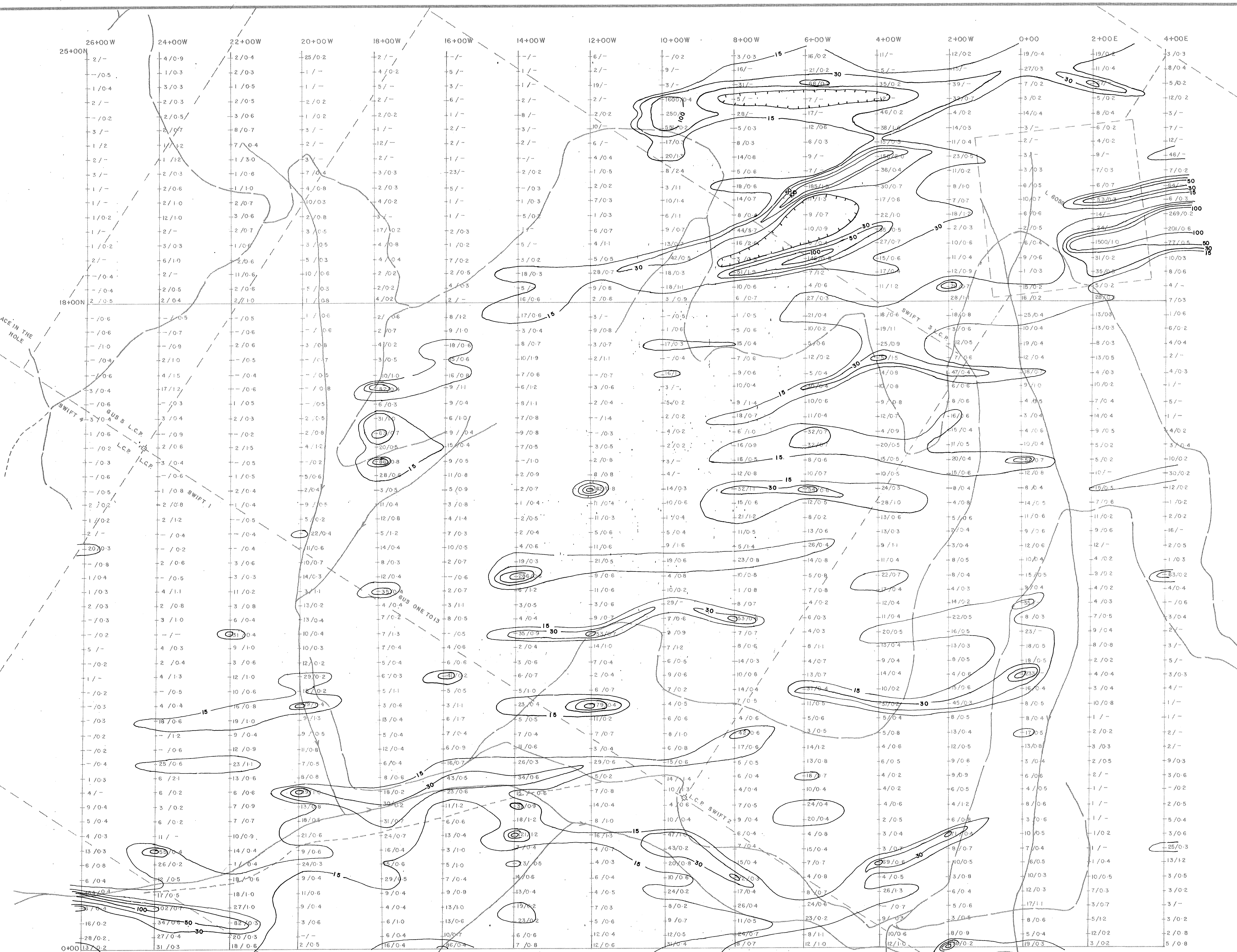
- 1 MAFIC VOLCANICS AND FLOWS
    - a Volcanic flow breccia, debris flow, block and ash, agglomerate
    - b Crystal tuff (augite dominant), augite porphyry flows (ankaramite)
    - c Crystal tuff (Feldspar dominant)
    - d Lithic tuff
    - e Olivine flow (amygdaloidal)
  - 2 FELSIC VOLCANICS  
Rhyolite (quartz eye)
  - 4 MAFIC INTRUSIONS
    - a Gabbro
    - b Diorite
    - c Diabase
  - 5 FELSIC INTRUSIONS  
Granite, granodiorite, quartz monzonite
  - 6 SEDIMENTS
    - a Argillite, greywacke, ash
    - b Pyritic chert, ash argillite
- 
- Claim boundary
  - - - Geological contact assume
  - Fault
  - Trench
  - ∠27° Bedding attitude
  - Rock outcrop
- 
- Abbreviation
- |                  |                 |
|------------------|-----------------|
| Carb - Carbonate | Qtz - Quartz    |
| Hem - Hematite   | Ser - Sericite  |
| Mal - Malachite  | Si - Silicified |
| Py - Pyrite      |                 |



<b>FALCONBRIDGE LTD.</b>		
PROPERTY: <b>Swift and Gus Claims</b>		
LOCATION: <b>Salmo Area B.C.</b>		
TYPE OF MAP: <b>Geology</b>		
WORKING PLACE:		
BASED ON:		
DATE OF WORK: <b>Sept. 1986</b>	MAP REF. NO.:	FIG. NO.:
DRAWN BY: <b>G.T.</b>		<b>4</b>
DATE: <b>Nov. 1986</b>	N.T.S. NO.: <b>82-F-3</b>	

**GEOLOGICAL BRANCH ASSESSMENT REPORT**  
**15,561 OF 2**  
**PART 1**

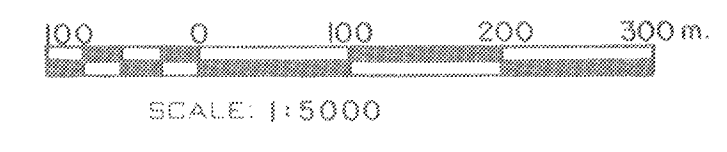




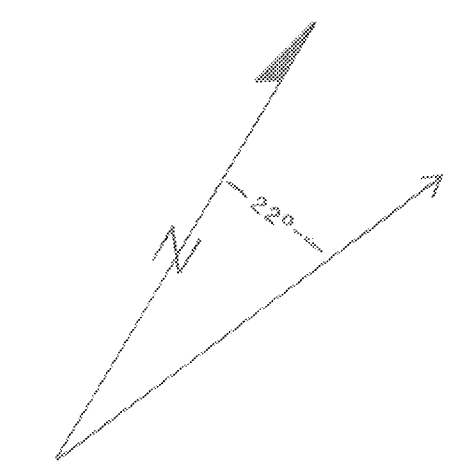
LEGEND  
 1 Au ppb. / Ag ppm.  
 3 / 0.4  
 Less < 1 Au. and < 0.2 Ag. Not Plotted

**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**  
**15,561**  
**PART 1 OF 2**

Contour Interval  
 0-15 ppb. Au.  
 15-30  
 30-50  
 50-100  
 > 100



PROPERTY: <b>FALCONBRIDGE LTD.</b>		
LOCATION: <b>Swift and Gus Claims</b>		
REGION: <b>Salmo Area B.C.</b>		
TYPE OF MAP: <b>Soil Geochemistry Au, Ag.</b>		
WORKING PLACE:		
BASED ON:		
DATE OF WORK: Oct. 1986	MAP REF. NO.:	FIG. NO.:
DRAWN BY: G. T.		<b>5a</b>
DATE: Nov. 1986	N.T.S. NO.: 82-F-3	



**LEGEND**

Au ppb. / Ag ppm.

3 / 0.4

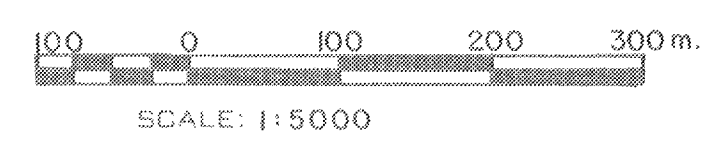
Less < 1 Au and < 0.2 Ag. Not Plotted

Contour Interval

0.8 - 1.0 ppm. Ag.

1.0 - 1.5

> 1.5



**15,561**  
**082**  
**PART 1**  
**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**

FALCONBRIDGE LTD.		
Swift and Gus Claims		
Salmo Area B.C.		
Soil Geochemistry Au, Ag.		
DATE OF WORK: Oct. 1986	MAP REF. NO.:	FIG. NO.:
DRAWN BY: G. T.	N.T.S. NO.: 82-F-3	<b>5b</b>
DATE: Nov. 1986		