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COMPILATION AND SAMPLING

on the

FRAN CLAIMS

OMENICA MINING DIVISION

N.T.S. 93-K-16W and 93-N-1W

LAT.: 54° 59'N Long.: 124° 25'W

by

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February, 2000

GEOLOGICAL SURVEY BRANCH

26,282

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### **Maps**

Fran Claims:	Au (ppb)	in pocket
Fran Claims:	Cu (ppm)	in pocket
Fran Claims:	As (ppm)	in pocket
Fran Claims:	Rock Sample Location Map	in pocket
1999 Sampling	Fran Claims	in pocket

## 1.0 Introduction

The Fran Claims are a relatively recent discovery with geological and geochemical similarities to the nearby TAS Claims. Mineralization on the TAS Claims consists of massive to semi-massive sulphides located in shear zones. Seven zones have been discovered on the TAS. The Fran claims have received minimal exploration but four zones have been outlined. Mineralization on the Fran Claims consists of massive sulphides within shear zones. On both the TAS and Fran Claims the mineralization appears to be related to a hornblende porphyry which has been identified by thin section examination as a lamprophyre on the TAS Claims.

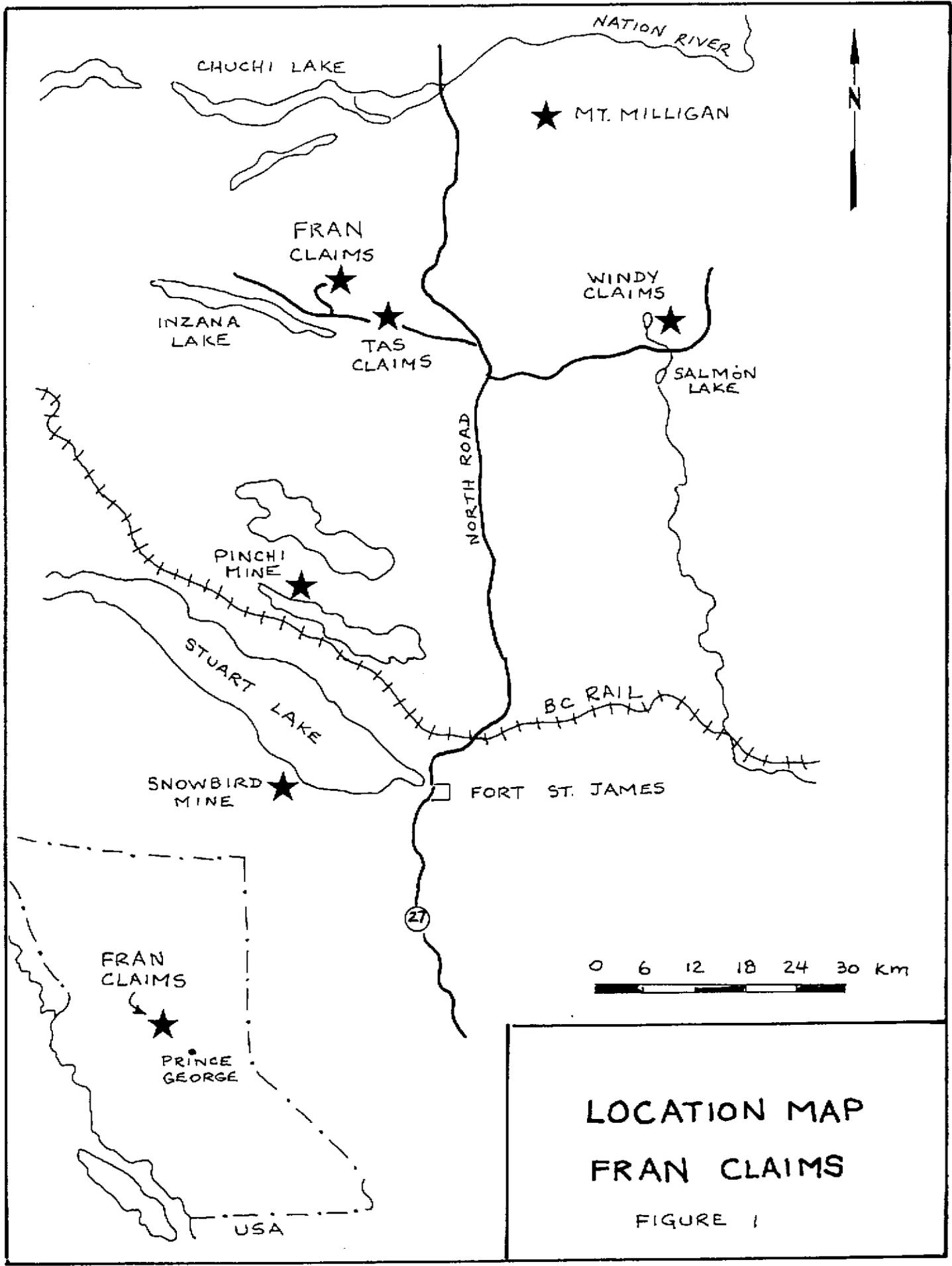
Between June and October, 1999 a small portion of the Fran Claims was examined and sampled by a variety of people. Sixty-four rock samples and 11 silt samples were collected. A small grid was established 100 meters west of a gold in soil anomaly outlined by Placer Dome in 1998. A total of 43 soil samples were collected on two lines 100 meters apart. Samples were taken every 25 meters.

All available data collected during 1998 and 1999 was compiled on geochemical maps and rock sample location maps.

## 2.0 Location and Access

The Fran Claims are located 60 km north northwest of Fort St. James at co-ordinates  $54^{\circ} 59'N$  and  $124^{\circ} 25'W$  on map sheets 93-K-16W and 93-N-1W.

Access to the Fran Claims is via the Germansen North Road and then the Inzana Lake Road a distance of 80 km from Fort St. James.



### 3.0 Claim Data

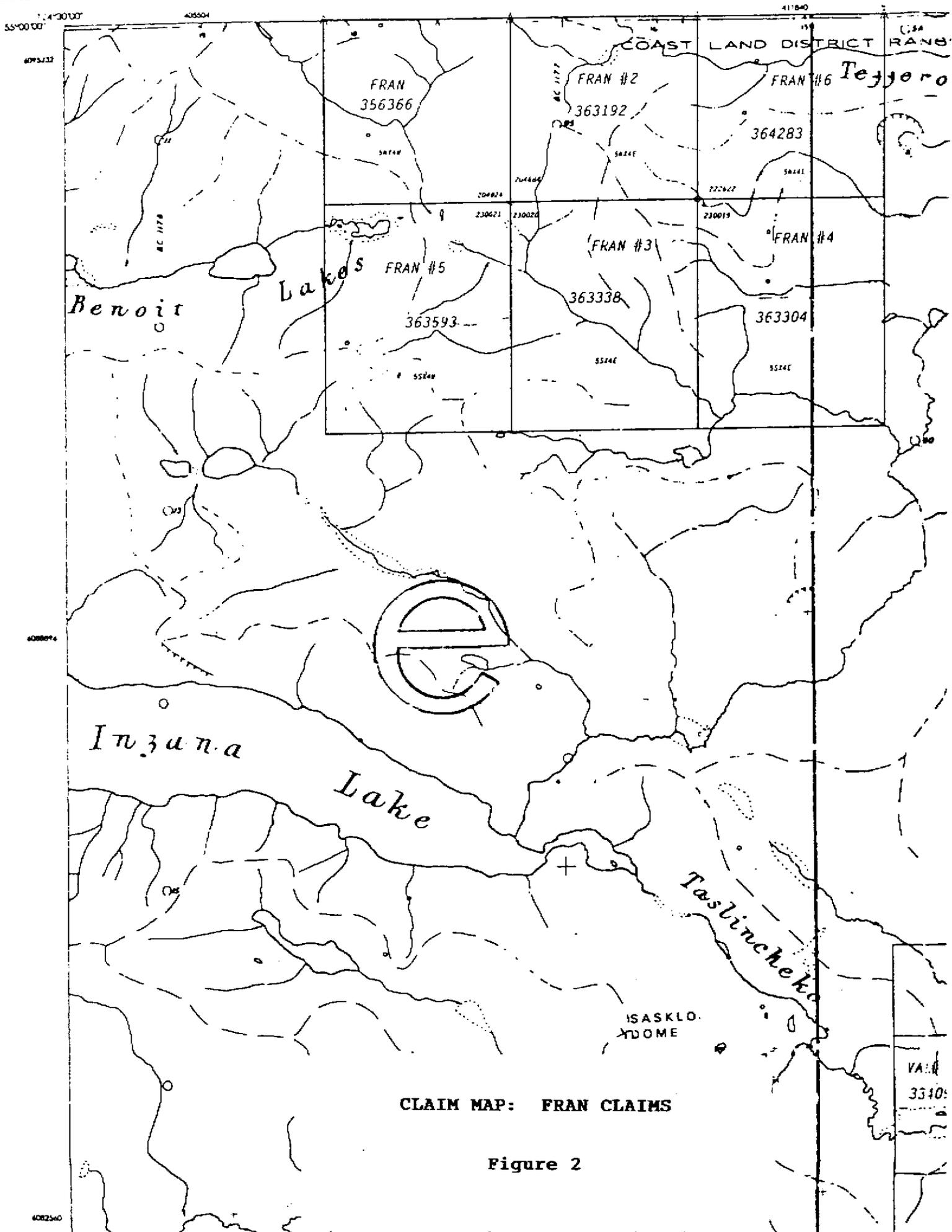
The Fran property consists of six 4-post claims totalling 120 units. The property is owned by Richard Haslinger of Fort St. James. All claims are located within the Omenica Mining Division.

Claim Name	Record No.	No. of Units	Expiry Date
Fran	356366	20	May 24, 2001
Fran 2	363192	20	June 5, 2000
Fran 3	363338	20	June 17, 2000
Fran 4	363304	20	June 15, 2000
Fran 5	363593	20	June 28, 2000
Fran 6	364283	20	July 21, 2000

### 4.0 History

In 1969, the area near the Fran Claims was staked by the NBC Syndicate to cover a new copper occurrence on the HA 1 claim located 12 km to the southeast. In 1982, during construction of the Inzana Lake Road, disseminated copper was found on what is known as the Freegold Zone located on the TAS property which is located 7 km southeast of the Fran Claims. The showing was allowed to lapse and then was re-staked by A. D. Halleran after receiving encouraging gold and copper values from rocks collected from the Freegold Zone. The TAS property was optioned to Noranda who subsequently staked the ZANA claims which covered part of the present Fran Claims. No further exploration work in the Fran Claim area is recorded until 1997 when construction of new logging roads exposed numerous pyritic zones on the Fran Claim. The additional Fran Claims were staked in 1998.

In 1998, Homestake visited the Fran Claims and performed limited sampling over what is now called the Upper and Lower Showings. A total of 40 rock chip samples were collected over the two showings. Small grids were also established over the two showings. One hundred twenty-two soils were collected.



The Fran Claims were optioned to Placer Dome in September 1998 for a brief period of time. During this time Placer Dome conducted a soil sampling program and a limited amount of chip sampling. Twenty-three rock chip samples and 193 soil samples were collected. The Fran Claims were returned to Richard Haslinger in the spring of 1999.

## 5.0 Regional Geology

The Fran Claims are located within a northwesterly-trending belt of rocks known as the Quesnel Trough which is bounded on the southwest by the Pinchi Fault and Paleozoic Cache Creek Group. The belt is bounded on the eastern side by Paleozoic or older Wolverine Complex and the Omineca Complex. Lithologies within the Quesnel Trough of Upper Triassic to Lower Jurassic Takla Group volcanics and sediments have been intruded by the Hogem Batholith and Omineca Intrusions, a series of felsic to ultramafic stocks and batholiths ranging in age from Upper Triassic to Lower Cretaceous.

The Takla Group volcanics and sediments include andesitic to basaltic flows, tuffs, tuff breccia and agglomerate interbedded with conglomerate, greywacke, shale and limestone. Both the volcanics and sediments have been locally hornfelsed by the stocks and batholiths which range in composition including granite, syenite, granodiorite, quartz diorite, gabbro and pyroxenite. In the vicinity of the Fran Claims, the Takla Group Inzana Lake Formation consists of northwesterly striking sequences of black argillite which has been intruded by fine grained to medium grained diorite which occur as stocks and dykes. Hornblende porphyry which has been identified in thin section as a lamprophyre has been found locally and appears to be restricted to the area around the Fran and TAS claims. Magnetic breccia of tectonic origin also occurs in the vicinity of the Fran and TAS claims. In addition, serpentine float has been located near the Fran Claims. A small plug of porphyritic feldspar volcanic was also located to the east of the TAS claims. No volcanics were noted in the vicinity of either the Fran or TAS claims.

Mineralization found within the Quesnel Trough is most typically copper with gold values related to granitic intrusives such as Mount Milligan located approximately 50 km northeasterly from the Fran Claims. The Windy claims, located 50 km due east of the Fran Claims hosts palladium-gold-bearing chalcopyrite in gabbro and augite diorite. The TAS property hosts seven high-grade semi-massive to massive sulphide-filled shear zones within and related to a hornblende porphyry which has been identified in thin section as lamprophyre. The KBE copper occurrence located immediately north of the Fran Claims is related to a plug of hornblende granodiorite. A sample of intense malachite returned values of 196 ppb Au and 0.2% Cu. In addition, there are numerous other copper occurrences located throughout the Quesnel Trough.

## 6.0 Property Geology

Only a small portion of the Fran Claims has been examined to date. The area examined is underlain by Upper Triassic Takla Group Inzana Lake Formation argillite which has been intruded by diorite and hornblende porphyry. Small outcrops of "chert", breccias, a basaltic dyke and metasediments have also been seen in the area examined.

Argillites of the Inzana Lake Formation in the examined are black and graphitic except in the vicinity of the Upper Showing where they are pale grey and altered to silicified metasediments.

Several areas of hornblende porphyry were noted and from limited observations, appear to be peripheral to the diorite stock suggesting that the diorite is a later geologic event than the hornblende porphyry. The hornblende porphyry consists of a dark brownish to black matrix with black hornblende phenocrysts up to 4 cm in length but generally averaging 1 cm. The rock appears remarkably fresh.

"Chert" was also seen in several locations which were peripheral to the diorite and also the hornblende porphyry. This unit is similar to the "chert" on the TAS claims which has been identified as secondary K-spar alteration. The "chert" is pale grey, massive, dense with occasional pinkish (K-spar) and brownish hues (secondary biotite) colouration.

An area underlain by breccia was noted near the Upper Showing. The breccia consists of uniformly-sized angular fragments of black silicified? argillite, "chert" and white carbonate which are densely packed with very little matrix. This unit resembles a sediment-rafted breccia. No attitudes were observed due to the limited exposure. It appears that the breccia represent a dislocation zone which has probably displaced the Upper Showing carbonate zone to the north.

A small dyke? of basalt? was observed near the Upper Showing. The black sugary very fine grained rock appears to be trending due north and with a vertical dip. This unit is in contact with the breccia.

The youngest lithologic unit is fine grained quartz diorite which occurs as a stock and as dykes. The diorite which is relatively fresh intrudes the hornblende porphyry and the argillite.

The most prominent structural trends noted to date are shear zones trending 060/90, minor quartz veinlets and a basalt dyke trending 360/90 and the Upper Showing carbonate zone trending 310/90?.

The only other feature of note is that argillites and hornblende porphyry, in some areas, appear to be intercalated.

## **7.0 Mineralization**

The main focus of exploration to date has been centered on the Upper Showing and the Lower Showing.

The Upper Showing consists of a quartz "vein" in a carbonate alteration zone at the contact between metasediments and diorite. The carbonate zone which can be traced over a distance of 300 meters is approximately 25 meters wide and trends 310/90?. Soil geochemistry indicates that the zone is over 500 meters long and up to 40 meters wide. The Upper Showing is mineralogically unique from other mineralized zones in that pyrite, chalcopyrite, sphalerite, arsenopyrite, galena and tetrahedrite occur as veinlets within quartz. Two small hand trenches have exposed the quartz "vein" over a distance of 10 meters.

In Trench 1, the quartz "vein" was exposed over 3.5 meters and averages 2.5 meters of 4060 ppb Au, 13.5 ppm Ag and 3627 ppm Zn. Trench 2 returned an average of 1.34 m of 13086 ppb Au, 24.2 ppm Ag, 2087 ppm Cu, 21419 ppm Zn.

The Lower Showing consists of highly oxidized semi-massive to massive sulphide in shear zones in diorite. Three shallow trenches are located along the road cut which exposed the mineralized shear zones. Although no sulphides are visible in the heavily oxidized material geochemical analyses suggests that the mineral associated with gold values is cobalt-bearing pyrite. The shear zones contain no gangue. Samples taken by Homestake in 1998 show no lead or zinc values and only weak arsenic. The owner has crushed the oxidized material and panned relatively coarse gold from the crushed material.

A grab sample of sheared hornblende porphyry collected from Locality 27 in 1999 returned values of 7675 ppb Au and 637 Zn. Although no sulphides could be seen, the specimen was rusty. Geochemical analyses showed elevated bismuth and cadmium but very little arsenic. Because of the elevated zinc in this sample it would appear to be geochemically and also physically half-way between the Upper Showing and the Lower Showing.

Elsewhere, hornblende porphyry contains fine grained, disseminated pyrite and also as fine vertical fracture-fillings with no gangue.

No sulphides were noted within the area examined which is underlain by diorite. All sulphides located to date appear to be peripheral to the diorite intrusive.

## 8.0 Alteration

The diorite, where examined, shows very little alteration. A few north-south trending veinlets occasionally with minor epidote were noted. Mafic minerals and feldspar appear fresh.

The hornblende porphyry is fresh in appearance except where sheared. In sheared areas, the rock appears to be chloritized or serpentinized and has numerous white hairline carbonate coated fractures.

The "chert" or hornfels which appears physically identical to the "chert" on the TAS Claims is probably composed of massive, very fine grained secondary K-spar. Minor pinkish and brownish hues in the "chert" strongly suggest the presence of secondary K-spar and secondary biotite.

Quartz is restricted to the Upper Showing area and occurs as a "vein" and as a replacement of argillite forming what is termed metasediments. The quartz "vein" occurs in an envelope of carbonate alteration which occurs at the contact between the diorite and the metasediments.

#### **9.0 Previous Work**

In 1998, Homestake conducted a limited amount of soil sampling and chip sampling in the areas of the Upper and Lower Showings. All samples were analysed for 19 elements by ICP and Au by FA/AAS. Samples with gold values above 1000 ppb were re-analysed by FA/Grav. Forty rock chip samples and 122 soil samples were collected.

In 1998, Placer Dome optioned the Fran Claims and performed a program of soil sampling on 9 km of flagged grid. One hundred ninety-three soil samples were collected and analysed for 28 elements by ICP and Au by FA/AA. Twenty-three rock chip and panel samples were collected from along the road and analysed for 28 elements by ICP and Au by FA/AA.

All soil sampling data by Homestake and Placer Dome is compiled on Maps 1 to 4.

#### **10.0 1999 Exploration**

Between June and October, 1999 a small portion of the Fran Claims was examined and sampled by a variety of people. Sixty-four rock samples and 11 silt samples were collected. Eleven rock samples were analysed for 32 elements by ICP and Au by FA/AA. Twenty-six rock samples were analysed for 30 elements by ICP and Au by FA/ICP. Fourteen rock samples were analysed for 30 elements by ICP and Au, Pt, and Pd by FA/ICP. Six rock samples were analysed for 31 elements by ICP and Au by FA/AAS. Six rock samples were analysed for 36 elements by ICP ES and MS. Silt samples were analysed for 32 elements by ICP and Au by FA/AA.

A small grid was established 100 meters west of a gold in soil anomaly outlined by Placer Dome in 1998. Twenty-six soil samples were collected every 25 meters on two lines spaced 100 meters apart. Soil development was seen to be poor to non-existent and consists largely of glacial material and organics. Samples were analysed for 31 elements by ICP and Au by FA/AAS.

In addition, 17 soil samples were collected from the road embankment near the Upper Showing. Samples were analysed for 32 elements by ICP and Au by FA/AA.

### 11.0 Sample Descriptions

- 158006 Grab; light to medium grey dense, aphanitic silicified? cherty-looking; crackled; brownish tinged patches of secondary biotite; trace silvery very fine grained metallics; trace very fine grained pyrite; deep brown rust on surface; vague black spots; altered diorite?
- 158007 Grab; fine grained medium grey weakly epidotized diorite; trace disseminated pyrite
- 158008 Grab; pale pink sucrosic quartz vein with trace disseminated pyrite
- 158009 Grab; medium grey, fine grained quartz diorite; fresh looking; 1% disseminated pyrite, chalcopyrite
- 158010 Grab; as 158007
- 158011 Grab; medium grey aphanitic, dense, crackled; as 158006; altered diorite?; 1% pyrite disseminated and on fractures
- 158012 Grab; as 158011; 5% disseminated pyrite
- 158013 Grab; medium grey aphanitic, siliceous material; trace disseminated sulphide
- 158014 Grab; as 158013
- 158015 Grab; pale green, sericitized fine-grained diorite; 5% disseminated white pyrite and yellow pyrite
- 158016 Grab; medium grey, fine grained quartz diorite with 5% disseminated white pyrite
- 158017 Grab; medium grey somewhat altered diorite with 1% disseminated pyrite
- 158018 Grab; medium grey fresh-looking quartz diorite with 0.5% pyrite and bornite?

- 158019 Grab; dark grey aphanitic silicified? hornfels with tinges of brown secondary biotite and pink secondary K-spar; 1% very fine grained pyrite
- 158020 Grab; black argillite; very rusty on surface; 1% pyrite on fractures and as very fine grained disseminations
- 158021 Grab; black argillite from contact with intrusive; sulphide-filled shear zone
- 158094 Grab; medium grey dense siltstone with very fine peppery texture; trace very fine grained silvery metallics
- 158095 Grab; hornblende porphyry; medium grey matrix with sub-euhedral hornblende phenocrysts up to 1 cm long; 3% pyrite, pyrrhotite disseminated throughout; minor white carbonate on fractures
- 158096 Grab; black intensely sheared argillite cut by numerous white carbonate veinlets; trace pyrite
- 158097 Grab; light grey chert; extremely brecciated; no visible sulphides
- 158098 Grab; hornblende porphyry; no fresh surface; fairly rusty; brecciated
- 158099 Grab; dark grey black sheared highly carbonated intrusive cut by numerous white carbonate veinlets with some pink colouration (K-spar?); trace very fine grained sulphides; very rusty in patches
- 158100 Grab; black silicified argillite with light grey bleached area; sulphides disseminated and on fractures; sulphides particularly concentrated in bleached areas
- 158101 Grab; light grey sheared altered intrusive with trace disseminated very fine grained sulphides; very rusty on surface
- 158102 Grab; sheared altered hornblende porphyry; very rusty; minor white carbonate veinlets
- 158103 Grab; multilithic breccia of light grey chert, black hornblende porphyry and white carbonate fragments; trace disseminated sulphides
- 75418 Grab; altered diorite with quartz-carbonate-pyrite veinlets; Trench 1, Upper Showing
- 75419 Grab; altered diorite +/- quartz carbonate-pyrite-arsenopyrite veinlets; Trench 2 Upper Showing
- 75420 Grab; arsenopyrite-quartz vein; Trench 2 Upper Showing
- 75421 Grab; quartz veinlet in altered diorite with abundant pyrite and trace chalcopyrite; Trench 1 Upper Showing

75422 Grab; silicified diorite with abundant disseminated pyrite

75423 Grab; weakly chloritized diorite with abundant disseminated pyrite throughout and as vertical veinlets

FN-R1a 2 meter chip; andesitic? volcanics; carbonate alteration; strongly fractured; trace pyrite on fractures

FN-R1b 2 meter chip; andesitic? volcanics; carbonate alteration; strongly fractured; trace pyrite on fractures

FN-R2 45 cm chip; andesitic? volcanic; sheared; carbonate alteration

FN-R3 0.5 meter chip; sheared microdiorite; bleached white

FN-R4 0.4 meter chip; quartz vein Upper Showing; 7% pyrite; 2% arsenopyrite

FN-R5 Grab; diorite; rusty

FN-R6a 0.75 meter chip; microdiorite; sheared

FN-R6b Grab; massive limonite; Lower Showing

FN-R7 1.8 meter chip; contact of diorite and hornfels; carbonate alteration; strongly sheared; Lower Showing

FN-R8 2 meter chip; as FN-R7

FR99-001R Panel sampled 3m x 4m of siliceous argillite

FR99-002R Grab; hornblende hornfels after siltstone

FR99-003R Panel sample from Trench 1 0.3m x 1m; quartz vein with sulphides

FR99-004R Channel sample 1 meter; quartz feldspar hornblende porphyry with minor disseminated pyrite

FR99-005R Grab; hornblende porphyry with minor pyrite along fractures

FR99-006R Grab; quartz feldspar hornblende porphyry with sulphides along fractures

FR99-007R Grab; quartz feldspar hornblende porphyry; pyritic; silicified; brecciated

FR99-008R Grab; hornblende porphyry; fresh

FR99-009R Channel sample 0.5 meters; quartz feldspar hornblende porphyry; oxidized

FR99-010R Channel sample 0.5 meters; hornblende porphyry sheared, silicified matrix

FR99-011R Grab; quartz feldspar hornblende porphyry

## 12.0 Results

Sampling and examination of a limited portion of the Fran Claims has indicated that gold-bearing mineralization is localized in shear zones. Frequently high gold values are associated with elevated As, Co, Cd and Mo. This geochemical association is identical to gold-bearing shear zones on the TAS claims.

The Lower and Upper Showings are geochemically distinct. Gold values in the Upper Showing are associated with anomalous Pb, Zn, Cu, Cd, Co, As, Mo and Ag while in the Lower Showing gold values are associated with elevated Co frequently with elevated Cd and Mo and only sporadically with elevated to anomalous As.

Two more zones are indicated by rock and soil sampling and are called the Middle A and the Middle B zones. Sample 158099 returned 7675 ppb Au with elevated zinc and weak arsenic which suggests that this area is geochemically half way between the Upper Showing which is high in zinc and the Lower Showing which contains no zinc.

Soil sampling in 1998 by both Homestake and Placer Dome outlined several gold, copper and arsenic anomalies. The main gold anomaly is 1.3 km long and up to 400 meters wide with a maximum value of 1930 ppb Au. Sampling in 1999 extended the gold anomaly 100 meters to the west.

Gold in soil anomalies over the Upper and Lower Showings were also outlined by the 1998 sampling. The gold anomaly over the Upper Showing is 600 meters long and up to 100 meters wide. The anomaly is curious in that it trends 080° and the carbonate alteration zone trends 310°. In addition, gold values in soils are substantially lower than gold values in rock samples. The gold anomaly over the Lower Showing is 450 meters long and up to 75 meters wide.

The 1998 soil sampling outlined an amorphous arsenic anomaly over the Upper Showing and the Lower Showing. The 1999 soil sampling indicates the arsenic anomaly broadens to the west in an area underlain by breccias and hornblende porphyry. Arsenic values in soil over the Upper

Showing are substantially lower than arsenic values in rock samples.

The 1998 soil sampling outlined several copper anomalies. The main anomaly is a linear east-west trending feature 1.6 km long and of variable width. The anomaly broadens to the west. The copper anomaly over the Upper Showing is coincident with the visual trace of the carbonate alteration.

The Middle B Zone is indicated by anomalous, coincident gold, copper and arsenic in soils.

Silt sampling showed that two drainages contained interesting to anomalous gold values. A seepage on the west side between lines 6+00E and 8+00E returned a value of 70 ppb Au and 626 ppm Cu and is located within the main gold anomaly. A drainage on the east side and north of line 18+00E returned a value of 235 ppb Au and may reflect the easterly continuation of the main gold anomaly.

### 13.0 Conclusions

Sampling has shown and indicated the presence of numerous well mineralized shear zones in a unique geologic environment identical to the nearby TAS claims where lamprophyre is believed to be the mineralizing event. As most of the Fran Claims has not been evaluated, mapping and sampling especially in the main gold in soil anomaly and its inferred eastern continuation are highly recommended.

14.0 **References**

- GSC Memoir 252 Fort St. James Map-Area, Cassiar and Coast Districts, British Columbia by J. E. Armstrong, 1949.
- BCDM Paper 1991-1 Regional Geological Mapping Near The Mount Milligan Copper-Gold Deposit (93-K-16/93-N-1) by J. L. Nelson, K. A. Bellefontaine, K. C. Green and M. MacLean
- BCDM Open File 1991-3 Geology and Mineral Potential of the Wittsichica Creek and Tezzeron Creek Map-Areas (93-N-1/93-K-16) by J. L. Nelson, K. A. Bellefontaine, K. C. Green and M. MacLean.
- BCDM Bulletin 99 The Geology and Mineral Deposits of North-Central Quesnellia; Tezzeron Lake to Discovery Creek, Central B. C. by J. L. Nelson and K. A. Bellefontaine, 1996.
- Assessment Report 25870 Geological - Geochemical Assessment Report for the Fran Property by R. C. Wells, 1999.

15.0 **Statement of Costs**

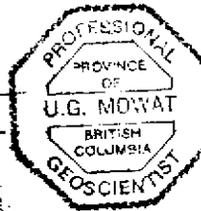
<u>Analyses</u>	
11 rock samples analysed for 32 elements by ICP and Au by FA/AA at \$22.50/sample	\$ 247.50
GST	<u>17.33</u>
	\$ 264.83
26 rock samples analysed for 30 elements by ICP and Au by FA/ICP at \$19.60/sample	\$ 509.60
GST	<u>35.67</u>
	\$ 545.27
14 rock samples analysed for 30 elements by ICP and Au, Pt, Pd by FA/ICP at \$21.65/sample	\$ 303.10
surcharge	14.00
GST	<u>22.20</u>
	\$ 339.30
6 rock samples analysed for 31 elements by ICP and Au by FA/AAS at \$21.00/sample	\$ 126.00
GST	<u>8.82</u>
	\$ 134.82
6 rock samples analysed for 36 elements by ICP ES and MS at \$20.90/sample	\$ 125.40
GST	<u>8.78</u>
	\$ 134.18
26 soil samples analysed for 31 elements by ICP and Au by FA/AAS at \$16.70/sample	\$ 434.20
GST	<u>30.39</u>
	\$ 464.59
17 soil samples analysed for 32 elements by ICP and Au by FA/AA at \$19.55/sample	\$ 332.35
GST	<u>23.27</u>
	\$ 355.62
11 silt samples analysed for 32 elements by ICP and Au by FA/AA at \$19.55/sample	\$ 215.05
GST	<u>15.05</u>
	\$ 230.10

<u>Labour</u>	
1 man for 6 days at \$275.00/day	\$1650.00
1 man for 20 days at \$400.00/day	<u>8000.00</u>
	\$9650.00
<u>Vehicle</u>	
1 truck for 8 days at \$75.00/day	\$ 600.00
<u>Accommodation</u>	
1 room for 8 days at \$54.25/day	\$ 434.00
<u>Food</u>	\$ 210.00
<u>Gas</u>	\$ 300.00
<u>Freight</u>	\$ 25.00
<u>Supplies</u>	\$ 50.00
<u>Reproduction</u>	\$ 187.06
	<hr/>
Total	\$14134.77

16.0 **Statement of Qualifications**

1. I am a graduate of the University of British Columbia having graduated in 1969 with a Bachelor of Science in Geology.
2. I have practiced my profession since 1969 in mineral exploration, oil and gas exploration and coal exploration.
3. I am a registered member of the Association of Professional Engineers and Geoscientists of British Columbia.
4. I have an indirect interest in the Fran Claims.

*Ursula G. Mowat*  
Ursula G. Mowat, P. Geo.



Dated this 27<sup>th</sup> day of June, 2000 at  
Vancouver, B. C.



GEOCHEMICAL ANALYSIS CERTIFICATE



Mowat, Ursula PROJECT FRAN File # 9901602

1405 - 1933 Robson St., Vancouver BC V6G 1E7

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb							
B 158006	1	82	<3	32	<.3	41	9	545	1.95	7	<8	<2	2	53	<.2	4	5	42	1.44	.069	8	26	.51	71	.14	<3	1.86	.21	.12	<2	21
B 158007	1	29	4	59	<.3	5	14	507	3.86	3	<8	<2	2	63	<.2	4	<3	134	1.70	.164	11	9	.70	116	.17	10	1.99	.08	.11	<2	3
B 158008	2	13	4	9	<.3	3	2	99	1.01	<2	<8	<2	7	20	<.2	<3	<3	16	.27	.020	10	12	.10	53	.05	3	.41	.07	.05	4	1
B 158009	1	127	4	18	<.3	<1	8	252	2.37	5	<8	<2	3	40	<.2	4	<3	32	1.57	.114	10	9	.30	179	.07	<3	1.49	.06	.09	<2	3
B 158010	12	122	3	31	<.3	3	16	409	3.51	7	<8	<2	2	32	<.2	3	6	69	1.66	.126	10	10	.54	51	.10	12	1.88	.06	.09	2	2
B 158011	14	214	4	16	<.3	96	17	151	3.93	4	<8	<2	<2	19	<.2	<3	<3	62	.73	.095	10	34	.31	69	.15	<3	.70	.06	.06	3	7
B 158012	13	343	<3	11	<.3	<1	15	145	3.76	<2	<8	<2	2	27	<.2	<3	<3	48	2.01	.153	10	9	.40	84	.10	5	1.66	.06	.09	<2	2
B 158013	3	47	3	10	<.3	21	9	155	1.63	<2	<8	<2	2	53	<.2	<3	<3	43	.84	.101	10	28	.25	43	.12	<3	.89	.08	.21	5	17
B 158014	9	229	<3	42	<.3	47	18	535	3.69	2	<8	<2	2	36	<.2	<3	3	124	.76	.055	7	44	1.05	104	.23	<3	1.70	.15	.28	2	4
B 158015	3	46	<3	27	<.3	2	13	686	3.68	12	<8	<2	3	59	<.2	<3	<3	79	5.30	.139	9	8	.83	14	.13	7	4.23	.04	.01	<2	5
B 158016	6	138	11	31	<.3	9	15	266	2.74	2	<8	<2	2	52	<.2	<3	<3	50	1.65	.139	10	16	.53	59	.12	3	1.51	.12	.13	2	8
B 158017	2	62	<3	57	<.3	19	13	619	3.84	4	<8	<2	<2	54	.3	3	<3	74	.94	.069	4	23	.99	117	.17	<3	1.78	.09	.23	<2	14
B 158018	4	124	10	32	.4	2	8	259	1.91	3	<8	<2	4	54	.2	<3	<3	25	1.55	.100	15	8	.25	78	.07	3	1.37	.06	.11	2	34
B 158019	13	91	6	43	<.3	49	15	487	3.22	2	<8	<2	2	55	<.2	<3	<3	192	1.64	.091	8	65	.99	70	.18	<3	1.63	.09	.18	3	2
RE B 158019	13	90	7	41	<.3	47	15	478	3.20	<2	<8	<2	2	55	<.2	3	3	192	1.63	.088	9	65	.98	69	.18	<3	1.62	.09	.17	3	3
B 158020	3	69	12	114	.6	50	16	861	4.30	9	<8	<2	2	16	.4	<3	<3	93	.51	.047	4	40	1.50	63	.14	<3	2.09	.06	.11	<2	4
B 158021	23	242	3	64	.4	22	21	1162	7.98	64	<8	<2	2	38	<.2	3	6	155	.89	.101	8	51	1.82	47	.13	<3	2.69	.03	.08	<2	33
STANDARD C3/AU-R	25	62	33	165	5.4	37	12	755	3.40	54	22	4	18	28	22.5	17	22	82	.56	.085	19	159	.59	150	.09	19	1.79	.04	.16	15	572
STANDARD G-2	2	3	3	41	<.3	6	4	515	2.03	<2	<8	<2	3	67	<.2	<3	4	42	.63	.093	7	70	.58	221	.13	<3	.88	.06	.47	<2	1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.

THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMITED FOR NA K AND AL.

ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB

- SAMPLE TYPE: ROCK AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED. (10 gm)

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 3 1999

DATE REPORT MAILED: *June 9/99*

SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE



Mowat, Ursula PROJECT RECCE File # 9902687  
1405 - 1933 Robson St., Vancouver BC V6G 1E7 Submitted by: Ursula Mowat

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppb	ppb	ppb	
B 158088	1	95	6	67	.5	147	32	761	5.11	9	<8	<2	<2	23	.3	<3	6	114	.79	.081	2	144	2.79	40	.18	<3	2.55	.04	.04	<2	<1	4	6
B 158089	<1	89	4	57	<.3	119	26	642	3.96	7	<8	<2	<2	52	.4	<3	<3	90	1.43	.078	2	124	2.05	50	.19	<3	2.05	.03	.09	<2	2	2	7
B 158090	<1	192	<3	39	.4	48	29	560	3.84	2	<8	<2	<2	83	.7	<3	3	110	2.31	.063	3	41	2.39	81	.14	3	2.84	.21	.14	<2	<1	2	<1
B 158091	<1	107	<3	66	.4	98	24	798	5.01	<2	<8	<2	<2	47	.2	<3	6	121	1.01	.104	4	107	2.46	50	.21	<3	2.58	.05	.04	<2	<1	7	7
B 158092	3	120	8	71	<.3	17	13	673	2.93	5	<8	<2	<2	159	.2	3	<3	52	1.47	.143	6	15	1.13	48	.15	8	1.69	.04	.06	2	2	3	4
B 158093	2	53	10	77	.8	46	10	567	4.85	22	<8	<2	<2	8	<.2	<3	<3	19	.09	.044	3	9	1.36	134	.02	<3	1.67	.01	.27	<2	14	<1	1
B 158094	<1	70	<3	23	<.3	11	15	339	3.72	<2	<8	<2	<2	57	.4	<3	<3	117	1.06	.158	7	23	1.16	75	.18	<3	1.79	.10	.32	<2	8	3	8
B 158095	1	128	<3	22	.3	13	24	459	5.17	8	<8	<2	2	103	<.2	<3	<3	129	1.51	.152	10	14	1.35	57	.18	<3	2.35	.27	.20	<2	30	<1	<1
B 158096	<1	29	3	35	<.3	17	12	664	3.38	2	<8	<2	<2	18	.4	3	<3	99	1.85	.078	5	30	.92	36	.18	4	2.21	.09	.09	3	10	<1	4
B 158097	1	4	<3	126	<.3	10	3	415	1.30	<2	<8	<2	<2	16	.8	<3	<3	51	1.10	.084	3	15	.50	54	.13	<3	.94	.06	.06	2	20	1	<1
FRAM	B 158098	6	51	6	637	3.7	11	1104	4.61	28	<8	7	<2	19	5.6	<3	12	160	1.38	.176	8	12	1.52	46	.12	<3	2.43	.07	.10	<2	7675	1	<1
	B 158099	1	3	6	100	<.3	11	6	531	2.05	7	<8	<2	31	.6	<3	<3	77	4.21	.138	9	9	.86	22	.11	112	2.76	.05	.03	<2	132	<1	<1
	B 158100	14	167	4	41	<.3	86	14	380	2.81	3	<8	<2	23	<.2	<3	3	55	.73	.052	4	47	.58	25	.12	<3	1.17	.07	.09	8	19	1	4
	B 158101	1	73	<3	30	<.3	16	9	354	2.80	<2	<8	<2	15	<.2	<3	<3	112	1.68	.045	4	28	.64	41	.29	13	1.85	.05	.11	<2	52	1	2
	B 158102	2	36	<3	30	<.3	25	6	305	1.69	5	<8	<2	<2	27	<.2	<3	<3	62	1.54	.084	5	41	.61	47	.15	<3	1.52	.04	.07	2	3	2
B 158103	2	74	<3	17	<.3	35	13	234	1.52	4	<8	<2	<2	51	.3	<3	4	49	1.10	.066	5	40	.65	44	.17	6	.89	.11	.10	3	4	5	6
RE B 158103	2	75	3	18	<.3	33	13	232	1.53	5	<8	<2	<2	51	.2	<3	<3	49	1.10	.067	5	45	.65	44	.16	<3	.89	.11	.11	2	1	2	4
B 158170	2	81	4	46	.5	19	24	1352	5.43	14	<8	<2	<2	432	.6	<3	5	29	6.42	.091	3	6	2.04	63	<.01	3	.35	.04	.23	<2	3	4	<1
B 158171	3	100	4	44	.5	48	22	1211	5.36	52	<8	<2	<2	477	.5	13	7	36	6.63	.134	4	13	2.40	80	<.01	4	.40	.03	.27	<2	13	4	4
B 158172	1	19	3	61	.5	81	26	1193	5.40	66	<8	<2	2	906	.4	6	5	50	9.76	.060	3	68	3.59	53	<.01	<3	.36	.02	.18	<2	3	13	17
B 158173	1	83	<3	30	<.3	12	10	826	4.50	12	<8	<2	<2	370	.7	<3	<3	15	3.73	.105	7	3	1.01	88	<.01	<3	.38	.03	.20	<2	1	2	<1
B 158174	<1	94	<3	40	.6	121	37	1441	6.10	126	<8	<2	2	739	1.2	9	3	28	7.85	.176	7	52	4.31	88	<.01	<3	.34	.01	.21	<2	4	4	8
B 158219	4	462	3	55	.8	13	17	701	5.34	5	<8	<2	2	117	<.2	<3	<3	198	2.24	.184	8	12	1.46	128	.12	<3	1.85	.16	.34	203	1	3	7
B 158220	3	6	3	12	<.3	15	4	134	.70	<2	<8	<2	<2	161	<.2	<3	3	27	5.72	.004	<1	5	.60	38	.01	15	6.50	.34	.06	2	3	<1	2
B 158221	64	864	5	30	1.2	12	28	135	5.39	4	<8	<2	<2	8	.7	<3	7	34	.17	.035	2	20	.27	20	.02	<3	.42	.01	.05	53	<1	2	3
B 158222	493	148	19	19	.3	5	6	84	2.06	49	<8	<2	7	10	<.2	<3	<3	16	.10	.015	5	18	.15	37	.01	<3	.33	.02	.09	14	<1	<1	<1
B 158223	287	348	6	20	<.3	6	14	302	2.28	<2	<8	<2	10	285	.2	<3	3	13	2.47	.093	13	12	.67	73	<.01	<3	.43	.01	.19	8	2	2	2
B 158224	258	313	3	15	<.3	3	11	232	1.85	<2	<8	<2	11	176	<.2	<3	4	6	2.58	.074	23	9	.62	112	<.01	<3	.38	.02	.19	7	<1	3	2
B 158225	219	334	62	14	<.3	7	13	288	2.63	<2	<8	<2	11	104	<.2	<3	74	3	2.37	.075	11	9	.75	59	<.01	<3	.28	.01	.18	18	<1	3	2
B 158226	241	1447	12	62	1.4	16	92	1033	9.98	15	<8	<2	2	125	2.0	<3	8	104	4.80	.226	9	7	1.67	22	<.01	<3	.97	.02	.23	2	7	3	9
B 158227	10	135	3	50	<.3	62	20	397	3.25	3	<8	<2	3	35	<.2	<3	3	122	.80	.190	10	68	1.01	53	.13	<3	1.10	.05	.08	2	11	7	13
B 158228	46	146	<3	237	1.3	97	12	347	5.15	3	<8	<2	2	19	2.7	<3	<3	307	.59	.174	7	57	.82	87	.09	<3	.94	.04	.23	4	14	5	5
B 158229	11	88	11	16	<.3	50	13	131	2.38	2	<8	<2	<2	30	.3	<3	<3	42	1.96	.080	6	25	.13	7	.17	<3	1.05	.02	.03	2	11	1	<1
B 158231	2	110	14	108	.5	37	18	533	4.74	7	<8	<2	<2	50	.4	<3	<3	141	.44	.107	16	49	1.39	227	<.01	7	1.77	.04	.12	<2	9	2	1
STANDARD C3/FA100	25	62	32	155	5.4	36	11	739	3.38	55	22	3	19	28	23.3	18	24	75	.54	.086	17	162	.60	145	.08	16	1.78	.03	.15	16	52	50	51
STANDARD G-2	2	3	<3	42	<.3	7	4	545	2.09	<2	<8	<2	3	75	.3	<3	<3	41	.65	.098	7	77	.64	240	.13	<3	.97	.07	.50	<2	<1	<1	<1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMITED FOR NA K AND AL.  
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
- SAMPLE TYPE: ROCK AU\*\* PT\*\* PD\*\* BY FIRE ASSAY & ANALYSIS BY ULTRA/ICP. (30 gm)  
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 5 1999 DATE REPORT MAILED: Aug 13/99 SIGNED BY: C. L. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

P.02/03

604 253 1716 TO 6813920

OCT 5 '99 14:29 FR ACME LABS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE (604) 253-3158 FAX (604) 253-1716  
(also 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 229 File # 9903621 Page 1  
1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Stephen Wetherup



SAMPLE#	Pb	Cu	Pb	Zn	Ag	Mn	Co	Mn	Fe	As	V	Au	Th	Sr	Co	Sb	Bi	Y	Ca	P	Li	Cr	Mg	Ba	Ti	B	Al	Mg	K	W	Tl	Hg	Se	Te	Ga	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
75418	1.99	398.20	13.94	607.7	1961	5.7	6.3	91	4.46	318.6	.7	320.2	2.8	16.1	.96	2.85	2.90	6	33	.019	9.9	2.1	.44	103.7	0.01	4.1	54	.008	.29	3.1	06	311	.1	59	1.3	02
75419	4.47	230.81	565.11	19493.3	8428	6.9	98.4	112	3.41	11831.5	.8	10218.1	2.6	12.8	134.55	40.54	1.95	8	24	066	6.7	12.5	09	83.6	0.01	5	.61	.003	37	4.4	.08	5271	2.3	1.62	2.4	2.17
75420	5.70	1484.98	364.17	29095.4	57818	2.8	186.6	42	12.16	99999.0	.3	32400.7	5	15.3	223.89	204.50	5.11	8	.09	013	2.2	20.5	02	17.8	0.01	4	.24	.003	16	11.3	12	15492	14.6	9.55	3.8	7.68
75421	7.13	6192.74	337.12	62046.0	53872	13.5	62.0	299	19.52	2621.1	.2	49040.6	.3	2.1	478.96	11.47	3.28	5	.04	.004	.7	18.3	05	11.7	0.01	<.1	.16	.004	.04	8.1	13	16273	16.0	2.36	1.9	12.97
75422	2.19	131.66	4.18	287.9	567	3.7	10.4	318	2.50	250.7	.5	66.7	4.4	13.4	1.83	1.19	.56	40	1.55	.062	6.4	14.1	.65	18.4	.090	11	1.82	.049	02	6.1	.02	238	7	36	4.1	86
75423	37.66	308.21	4.99	150.9	370	7.7	13.8	178	3.25	24.4	.7	133.2	1.7	35.3	.91	60	.31	34	1.74	.158	9.4	11.8	.29	38.8	.100	5	1.51	.060	10	3.8	.02	178	3.2	.33	4.6	2.13

STANDARD 052 14.70 132.87 32.86 168.2 250 38.2 13.4 853 3.26 64.8 22.2 222.5 3.5 30.9 11.75 11.34 16.47 84 .56 .065 17.4 178.0 .62 148.5 .117 2.1.82 .035 .16 7.9 2.02 226 3.0 2.02 6.4 02

GROUP 1F15 - 15.00 GM SAMPLE, 90 MLS 2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.  
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.  
- SAMPLE TYPE: ROCK Samples beginning 'RE' are Retruns and 'RRE' are Reject Retruns.

DATE RECEIVED: SEP 22 1999 DATE REPORT MAILED: Oct 5/99 SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)

852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716



GEOCHEMICAL ANALYSIS CERTIFICATE



Fairfield Minerals Ltd. PROJECT BC Prosp/Fran File # 9903966

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: E.A. Balon

Table with columns: SAMPLE#, Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Au\*\*. Rows include samples FN-R1a through FN-R8.

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES. UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB. SAMPLE TYPE: ROCK AU\*\* GROUP 3B - 30.00 GM SAMPLE ANALYSIS BY FA/ICP. Samples beginning 'RE' are Retuns and 'RRE' are Reject Retuns.

DATE RECEIVED: OCT 15 1999 DATE REPORT MAILED: Oct 26/99 SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

\* FN-R4 VEIN/Upper Showing CONVERSIONS 0.4% Cu, 5.8% Zn, 1.7% As, 1.46 oz/t Ag, 1.419 oz/t Au

COPY

FAIRFIELD PROPERTY EXAMINATION

- OCT. 06/99 -

FRANDAT.XLS

COPY

SAMPLE	Easting	Northing	MO ppm	CU ppm	PB ppm	ZN ppm	AG ppm	MN ppm	FE%	AS ppm	SB ppm	BI ppm	TI%	W%	AU_ppb	Rock Type	Conversion Au - oz/ft
FN-R1a	408291	6094238	6	110	3	31	0.3	644	4.68	2	5	3	0.33	2	129	And? vol	
FN-R1b	408291	6094238	6	233	3	33	0.3	779	4.97	2	5	3	0.23	2	31	And? vol	
FN-R2	408275	6094255	.62	.499	5	17	1.7	280	10.97	.119	3	16	0.14	6	2540	And? volc shear	.074
FN-R3	408266	6094325	48	312	3	8	0.4	158	10.69	11	3	37	0.26	9	5487	Micro Diorite	.160
FN-R4	408244	6094523	15	432	651	58420	50	313	11.32	16972	156	3	0.01	3	48643	Qtz vein	1.419
FN-R5	408520	6094209	.75	1218	7	58	1.7	209	18.32	221	10	3	0.02	7	1453	Micro Diorite/subv	.042
FN-R6a	408244	6094523	.154	2324	3	58	5.2	305	21.46	48	3	3	0.04	2	33240	Micro Diorite	.969
FN-R6b	408244	6094523	.160	3174	16	96	5.4	651	38.74	51	5	10	0.02	10	56915	Micro Diorite	1.660
FN-R7	409268	6093572	37	682	3	30	2.7	433	8.15	7	3	3	0.02	2	29146	And? vol	.850
FN-R8	409268	6093572	4	350	3	39	0.3	762	5.37	2	3	3	0.02	2	351	And? vol	

Reprinted from Acme Analytical Lab Report / File # 9903966  
 - Fairfield Minerals Ltd. Project BC Prosp/Fran - OCT. 26/99.

SAMPLE	Samp Type	Alteration	Minerals	Note	Au - ppb
FN-R1a	Cont chip	Carb alt, strongly fractu	Py tr, FeO MnO on fract	Rough chip sample along road cut 35 deg over 2m	129
FN-R1b	Cont chip	Carb alt, strongly fractu	Py tr, FeO MnO on fract	Rough chip sample along road cut 35 deg over 2m	31
FN-R2	Cont chip	Carb	FeO	Chip smple across shear 100/90 30cm wide. Sample over 45cm	2,540
FN-R3	Cont chip	Bleached white, gossar	Limonite goethite	Shear trending 110. Chip over 0.5m.	5,487
FN-R4	Cont chip		Py to 7% As to 2% <b>0.4m</b>	Chip smpl across vein trending 112/80S cutting volcs. Fran smpl 232	48,643
FN-R5	Recce grab	Strongly oxidized, lim ank alt		Grabs from 3 spots over 2m	1,453
FN-R6a	Cont chip		Abun FeO, massive Goethite local	In shear contact w volcs. Chip over .75m	33,240
FN-R6b	Recce grab	✓ local rubble ←	Massive Goethite, limonite cobbles	<del>In shear contact w volcs. Chip over .75m - X</del>	56,915
FN-R7	Cont chip	Carb alt, strongly shear	Py tr, FeO MnO on fract	Rough chip 1.8m @ 0deg. Shear 85/90. Contact of micro dior & volc	* 29,146
FN-R8	Cont chip	Carb alt, strongly shear	Py tr, FeO MnO on fract	Rough chip 2.0m @ 0deg. Shear 85/90. Contact of micro dior & volc	* 351

Strongly oxidized Shear Zone  
\* LOWER SHOWING - ROAD CUT:

Gold Results  
FN-R7 & R8 are contiguous samples: Weighted Average is  $\frac{13,991 \text{ ppb Au}}{3.80\text{m}} = \frac{0.408 \text{ oz/t Au}}{12.5 \text{ Feet}}$   
Note: FN-R6a (33,240 ppb Au / 0.75m = 0.969 oz/t Au / 2.5 Ft.)  
was taken across same structure ~ 2m Vert. above and ~ 4m to East.

FN-R4: UPPER SHOWING - CLEARING AREA / EXISTING HAND TRENCH (Locality # 4):

Chip across quartz-sulphide vein:  $\frac{48,643 \text{ ppb Au}}{0.4 \text{ m}} = \frac{1.419 \text{ oz/t Au}}{1.3 \text{ Feet}}$

Also - 0.43% Cu, 5.84% Zn, 1.46 oz/t Ag, 1.70% As.



INTERNATIONAL PLASMA LABORATORY LTD

# CERTIFICATE OF ANALYSIS

## iPL 99F0493

2036 Colun Street  
Vancouver, B.C.  
Canada V5Y 3E1  
Phone (604) 879-7878  
Fax (604) 879-7898  
[049313:21:33:99062399]

### Peruvian Gold Limited

Project : FRAN  
Shipper : John Nebocat  
Shipment: PO#:  
Analysis:  
Au(FA/AAS 30g) ICP(AqR)30

32 Samples

Out: Jun 23, 1999 In: Jun 16, 1999

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B211	6	Rock	crush, split & pulverize	12M/Dis	03M/Dis
B111	26	Soil	Dry & sift to -80 mesh, discard reject.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

Comment:

### Document Distribution

1 Peruvian Gold Limited  
1705 - 750 West Pender St  
Vancouver  
BC V6C 2T8  
Att: David Henstridge

EN RT CC IN FX  
1 2 2 2 1  
DL 3D EM BT BL  
0 0 0 1 0

Ph: 604/681-0110  
Fx: 604/682-2236

2 Pacific Geological Services  
R.R. #2 Site 4E, Comp 12  
Gibsons  
BC V0N 1V0  
Canada  
Att: John Nebocat

EN RT CC IN FX  
2 2 1 0 1  
DL 3D EM BT BL  
0 0 0 0 0

Ph: 604/886-4222  
Fx: 604/886-4222  
Em: pgs@sunshine.net

### Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	9999
02	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
03	0711	ICP	ppm	Cu ICP	Copper	1	20000
04	0714	ICP	ppm	Pb ICP	Lead	2	20000
05	0730	ICP	ppm	Zn ICP	Zinc	1	20000
06	0703	ICP	ppm	As ICP	Arsenic	5	9999
07	0702	ICP	ppm	Sb ICP	Antimony	5	999
08	0732	ICP	ppm	Hg ICP	Mercury	3	9999
09	0717	ICP	ppm	Mo ICP	Molydenum	1	999
10	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
11	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
12	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
13	0710	ICP	ppm	Co ICP	Cobalt	1	9999
14	0718	ICP	ppm	Ni ICP	Nickel	1	9999
15	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
16	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
17	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
18	0729	ICP	ppm	V ICP	Vanadium	2	9999
19	0716	ICP	ppm	Mn ICP	Manganese	1	9999
20	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
21	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
22	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
23	0736	ICP	ppm	Sc ICP	Scandium	1	9999
24	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
25	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
26	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
27	0712	ICP	%	Fe ICP	Iron	0.01	9.99
28	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
29	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
30	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
31	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

EN=Envelope # RT=Report Style CC=Copies IN=Invoices Fx=Fax(1=Yes 0=No) Totals: 3=Copy 2=Invoice 0=3 1/2 Disk  
DL=Download 3D=3 1/2 Disk EM=E-Mail BT=BBS Type BL=BBS(1=Yes 0=No) ID=C03120102  
\* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu





GEOCHEMICAL ANALYSIS CERTIFICATE



Haslinger, Richard File # 9903528  
Box 335, Fort St. James BC V0J 1P0 Submitted by: Richard Haslinger

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb	ppb								
FRAN #28	4	195	<3	31	<.3	32	18	620	4.09	<2	<8	<2	<2	31	1.7	<3	<3	63	2.77	.177	11	18	.56	24	.14	7	2.21	.07	.13	3	3	1	<1
FRAN #29	4	169	<3	37	<.3	47	18	438	3.26	2	<8	<2	<2	34	2.2	<3	<3	74	1.24	.087	7	38	.66	92	.20	<3	1.65	.10	.18	5	6	12	2
<del>SHASTA #1</del>	40	82	358	348	228.9	6	4	313	2.47	19	<8	10	<2	6	3.1	<3	<3	8	.29	.026	9	24	.15	31	<.01	<3	.34	<.01	.18	8	7877	8	4
<del>ALLAN #1</del>	13	71	<3	33	.9	14	17	236	8.09	<2	<8	<2	2	75	1.7	<3	<3	98	1.07	.114	5	25	1.26	21	.13	<3	1.53	.06	.21	5	12	<1	<1
RE ALLAN #1	12	66	<3	34	.5	12	17	227	7.80	<2	<8	<2	3	72	1.5	<3	<3	96	1.01	.111	5	24	1.21	22	.13	<3	1.46	.06	.20	6	10	<1	1

GROUP 10 - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.  
 UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.  
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
 - SAMPLE TYPE: ROCK AU\*\* PT\*\* PD\*\* BY FIRE ASSAY & ANALYSIS BY ULTRA/ICP. (30 gm)  
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 20 1999 DATE REPORT MAILED: *Sept 29/99* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE



Haslinger, Richard File # 9903839  
448 W. 22nd Ave. Vancouver BC V5Y 2G5 Submitted by: Richard Haslinger

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**	Pt**	Pd**
	ppm	%	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ppb	ppb															
FRAN #30	1	37	3	37	<.3	9	12	449	2.78	<2	<8	<2	3	66	.3	3	<3	87	2.57	.177	11	10	.97	51	.17	7	2.42	.17	.16	<2	5	<1	1
FRAN #31	1	91	<3	70	.3	12	18	899	4.13	<2	<8	<2	2	109	.5	5	<3	146	2.44	.114	6	12	1.52	69	.22	5	2.67	.21	.26	<2	<1	2	3
RE FRAN #31	1	91	<3	68	<.3	12	18	896	4.13	<2	<8	<2	2	108	.3	<3	<3	146	2.44	.113	6	12	1.52	69	.21	5	2.68	.21	.26	<2	1	<1	<1

GROUP 10 - 0.50 GM SAMPLE LEACHED WITH 5 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.  
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CD, CO, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.  
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
- SAMPLE TYPE: ROCK AU\*\* Pt\*\* Pd\*\* GROUP 3B BY FIRE ASSAY & ANALYSIS BY ULTRA/ICP. (30 gm)  
Samples beginning 'RE' are Retuns and 'RRE' are Reject Retuns.

DATE RECEIVED: OCT 8 1999 DATE REPORT MAILED: *Oct 18/99* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

100-017-1000

Sample Notes - Fran Property						Oct 1/99	
Rock	Type	Lithology	Width	Sampler	Location	Notes	Gold
Fr 99 - 001R	Panel sample, o/c	Hornfels	3m X 4m	SCG/EMT	Clearing Area	Silicious argillite, resistant weathering	105 ppb
Fr 99 - 002R	Composite grab, talus	HB hornfels	1m X 2M	SCG/EMT	Clearing Area	hornblende hornfels after siltstone	10 ppb
Fr 99 - 003R	panel sample from tr.	vein system	0.3m X1m	SCG/EMT	Clearing Area	center trench, upper showing, sulphides	2730 ppb
Fr 99 - 004R	channel sample o/c	quartz feldspar HB porph	1 metre	SCG/EMT	Clearing Area	sparse disseminated pyrite, soil anomaly	5 ppb
Fr 99 - 005R	composite grab	HB porphyry		R. Haslinge	Clearing Area	sparse pyrite along fractures, iron stained	< 5 ppb
Fr 99 - 006R	Composite grab	quartz feldspar HB porph	0.5M	SCG/EMT	Clearing Area	sulphides along fractures, iron stained	10 ppb
Fr 99 - 007R	Composite grab, o/c	quartz feldspar HB porph	1.0m	SCG	Clearing Area	pyritic, silicified, brecciated	< 5 ppb
Fr 99 - 008R	Composite grab	HB porphyry	2.0m	EMT	Clearing Area	appears unaltered	< 5 ppb
Fr 99 - 009R	Channel sample o/c	quartz feldspar HB porph	0.5m	SCG	Clearing Area	Ursula's zone, oxidized	< 5 ppb
Fr 99 - 010R	Channel sample o/c	HB porphyry, sheared	0.5m	SCG	Clearing Area	Silicified matrix, oxidized	5 ppb
Fr 99 - 011R	Composite grab	quartz feldspar HB porph	1m X 2m	EMT	Clearing Area	Float train	< 5 ppb
Soil	Color	Depth	frags			Notes	
Fr 99 - 001S	orange brown	0.3 meters, B horizon		SCG/EMT	0 + 50m	○ on chain at far end of turn around upper road	5 ppb
Fr 99 - 002S	light orange brown	0.2 meters, B horizon		SCG/EMT	0+ 75m	sample contains clay particles	10 ppb
Fr 99 - 003S	dark orange brown	1.2 meters, B horizon	HB porphyry	SCG/EMT	1 + 00m		40 ppb
Fr 99 - 004S	orange brown	0.1 meters, B horizon		SCG/EMT	1 + 25m		105 ppb
Fr 99 - 006S	orange brown	0.3 meters, B horizon		SCG/EMT	1+ 50m		30 ppb
Fr 99 - 007S	orange brown	0.3 meters, B horizon	HB porphyry	SCG/EMT	1 + 75m		940 ppb
Fr 99 - 008S	orange brown	0.2 meters, B horizon	diorite	SCG/EMT	2 + 00m	rock frags contains clasts of hornfels	15 ppb
Fr 99 - 009S	tan brown	0.3 meters, B horizon		SCG/EMT	2 + 25m		170 ppb
Fr 99 - 010S	tan	0.1 meters, B horizon		SCG/EMT	2 + 50m	sample contains clay particles	20 ppb
Fr 99 - 011S	light orange brown	0.1 meters, B horizon		SCG/EMT	2 + 75m	center of bend in road	< 5 ppb
Fr 99 - 012S	light orange brown	0.2 meters, B horizon		SCG/EMT	3 + 00m		< 5 ppb
Fr 99 - 013S	light brown	0.5 meters, B horizon	argillite	SCG/EMT	3 + 25m		15 ppb
Fr 99 - 014S	light orange brown	0.4 meters, B horizon	diorite	SCG/EMT	3 + 50m	pyritic diorite	25 ppb
Fr 99 - 015S	orange brown	0.2 meters, B horizon	Feldspar porp	SCG/EMT	3 + 75m	fine grained phase	150 ppb
Fr 99 - 016S	orange red	0.5 meters, B horizon	diorite	SCG/EMT	4 + 00m	altered, fractured diorite	240 ppb
Fr 99 - 017S	orange	0.1 metes, B horizon	diorite	SCG/EMT	4 + 25m	subcrop fractured	215 ppb
Fr 99 - 018S	dark orange	0.1 meters, B horizon	diorite	SCG/EMT	4 + 50m	very shallow soil horizon	580 ppb

## FRANPROP.XLS

Silt	Color	Contents	Sampler	Location	Notes	
Fr 99 - 005S	brown	silt, organic	SCG	above road	dry gulley	290 ppb
Fr 99 - 019S	black	silt, organic	SCG/EMT		trickle, located below showings	< 5 ppb
Fr 99 - 020S	black	silt, organic	EMT		120 meters downstream from 019SS	70 ppb
Fr 99 - 021SS			SCG		trickle, located below showings	< 5 ppb
Fr 99 - 022SS			EMT		5 meters above road, 800 ppb pan conc area	10 ppb
Fr 99 - 023S	black	silt, organic	EMT		20 meters above road, 800 ppb pan conc area	< 5 ppb
Fr 99 - 024S	dark brown	silt, clay, organic	SCG	main stream	Tezzeroh creek	10 ppb
Fr 99 - 025S	black	silt, organic	SCG	new potential	high organic	235 ppb
Fr 99 - 026S	brown	silt, organic	SCG		dry gulley, east of # 10 zone	< 5 ppb
Fr 99 - 027S	black	silt, organic	SCG		trickle, claim # 3, north side of road	< 5 ppb
Fr 99 - 028S	brown - black	silt, sand, gravel, organic	SCG	main stream	Inzana creek above bridge, claim # 4	80 ppb

APPENDIX TWO - ASSAY DATA FRAN PROPERTY



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221

To: GOWER THOMPSON & ASSOCIATES LTD.  
GEOLOGICAL CONSULTING EXPLORATION  
985 GATENSBURY ST.  
COQUITLAM, BC  
V3J 5J6

\*\*

INVOICE NUMBER

I 9 9 3 0 6 6 3

## BILLING INFORMATION

Date: 20-OCT-1999  
Project: FRAN  
P.O. No.:  
Account: QWR

Comments:

Billing: For analysis performed on  
Certificate A9930663

Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
28	201 - Dry, sieve to -80 mesh	1.35		
	202 - save reject	0.90		
	ICP-32	7.40		
	100 - Au ppb FA+AA	9.90	19.55	547.40
			Total Cost \$	547.40
			(Reg# R100938885 ) GST \$	38.32
			TOTAL PAYABLE (CDN) \$	585.72



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: GOWER THOMPSON & ASSOCIATES LTD.  
 GEOLOGICAL CONSULTING EXPLORATION  
 985 GATENSURRY ST.  
 COQUITLAM, BC  
 V3J 5J6

A9930663

Comments: ATTN: STEPHEN GOWER

**CERTIFICATE**                      **A9930663**

(QWR) - GOWER THOMPSON & ASSOCIATES LTD.

Project: FRAN  
 P.O. #:

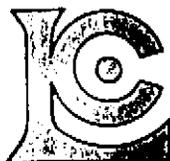
Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 19-OCT-1999.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	28	Dry, sieve to -80 mesh
202	28	save reject
229	28	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	28	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	28	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	28	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	28	As ppm: 32 element, soil & rock	ICP-AES	2	10000
557	28	B ppm: 32 element, rock & soil	ICP-AES	10	10000
2121	28	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	28	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	28	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	28	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	28	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	28	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	28	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	28	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	28	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	28	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	28	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	28	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	28	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	28	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	28	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	28	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	28	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	28	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	28	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	28	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
551	28	S %: 32 element, rock & soil	ICP-AES	0.01	5.00
2141	28	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	28	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	28	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	28	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	28	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	28	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	28	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	28	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	28	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

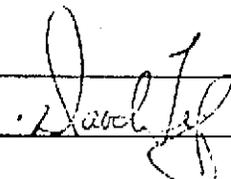
To: GOWER THOMPSON & ASSOCIATES LTD.  
 GEOLOGICAL CONSULTING EXPLORATION  
 985 GATENSBURY ST.  
 COQUITLAM, BC  
 V3J 5J6

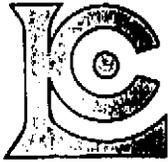
Page Number : 1-A  
 Total Pages : 1  
 Certificate Date: 19-OCT-1998  
 Invoice No. : 19930663  
 P.O. Number :  
 Account : QWR

Project : FRAN  
 Comments: ATTN: STEPHEN GOWER

## CERTIFICATE OF ANALYSIS A9930663

SAMPLE	PREP		Au ppb	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg
	CODE		FA+AA	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
FR-99 001S	201	202	5	0.2	2.82	12	< 10	180	< 0.5	< 2	0.27	< 0.5	12	33	52	3.82	< 10	< 1	0.08	< 10	0.59
FR-99 002S	201	202	10	0.6	2.59	10	< 10	80	< 0.5	< 2	0.16	< 0.5	14	40	44	3.16	< 10	< 1	0.06	< 10	0.63
FR-99 003S	201	202	40	0.6	4.44	20	< 10	250	< 0.5	< 2	0.44	< 0.5	38	31	231	5.46	< 10	< 1	0.11	< 10	0.66
FR-99 004S	201	202	105	1.0	3.78	72	< 10	330	< 0.5	< 2	0.47	< 0.5	18	37	203	4.72	< 10	< 1	0.10	< 10	0.77
FR-99 006S	201	202	30	0.2	2.85	20	< 10	120	< 0.5	< 2	0.43	< 0.5	17	35	69	3.50	< 10	< 1	0.09	< 10	0.78
FR-99 007S	201	202	940	2.0	2.66	946	< 10	130	< 0.5	< 2	0.96	< 0.5	38	23	411	9.83	< 10	< 1	0.16	10	0.72
FR-99 008S	201	202	15	1.0	3.13	18	< 10	110	< 0.5	< 2	0.49	< 0.5	22	48	114	4.29	< 10	< 1	0.07	< 10	0.56
FR-99 009S	201	202	170	1.0	2.40	42	< 10	100	< 0.5	< 2	0.53	< 0.5	18	36	146	3.82	< 10	< 1	0.07	< 10	0.62
FR-99 010S	201	202	20	0.4	1.88	20	< 10	100	< 0.5	< 2	0.67	< 0.5	16	41	50	3.17	< 10	< 1	0.07	< 10	0.78
FR-99 011S	201	202	< 5	0.2	1.81	6	< 10	90	< 0.5	< 2	0.25	< 0.5	10	36	31	2.83	< 10	< 1	0.04	< 10	0.56
FR-99 012S	201	202	< 5	0.2	1.90	6	< 10	110	< 0.5	< 2	0.43	< 0.5	10	36	40	2.72	< 10	< 1	0.07	10	0.59
FR-99 013S	201	202	15	0.2	3.09	22	< 10	180	< 0.5	< 2	0.89	< 0.5	23	50	125	4.71	10	< 1	0.14	10	1.20
FR-99 014S	201	202	25	0.4	2.82	16	< 10	110	< 0.5	< 2	0.53	< 0.5	18	45	73	3.69	< 10	< 1	0.08	< 10	0.98
FR-99 015S	201	202	150	1.8	3.35	72	< 10	160	< 0.5	< 2	0.51	1.0	22	45	191	5.15	< 10	< 1	0.09	10	0.75
FR-99 016S	201	202	240	1.8	2.95	266	< 10	120	< 0.5	< 2	0.20	0.5	13	17	118	6.94	10	< 1	0.09	10	0.38
FR-99 017S	201	202	215	1.2	2.66	1560	< 10	180	< 0.5	< 2	0.23	0.5	17	< 1	419	8.32	< 10	< 1	0.17	10	0.29
FR-99 018S	201	202	580	1.0	2.07	296	< 10	100	< 0.5	< 2	0.12	0.5	13	10	125	6.19	< 10	< 1	0.06	< 10	0.24
FR-005SS	201	202	290	2.2	2.13	206	< 10	100	< 0.5	6	0.71	< 0.5	40	16	217	5.08	< 10	< 1	0.08	10	0.28
FR-019SS	201	202	< 5	0.6	0.57	12	10	30	0.5	< 2	3.34	0.5	3	4	136	0.47	< 10	< 1	0.03	10	0.12
FR-020SS	201	202	70	1.2	1.07	28	20	30	< 0.5	< 2	3.59	2.0	13	9	626	1.49	< 10	1	0.04	10	0.24
FR-021SS	201	202	< 5	0.2	2.15	12	< 10	150	< 0.5	< 2	0.92	0.5	14	40	52	3.17	< 10	< 1	0.07	10	0.76
FR-022SS	201	202	10	0.2	2.08	< 2	< 10	120	< 0.5	< 2	0.78	0.5	13	38	57	2.78	< 10	< 1	0.07	< 10	0.80
FR-023SS	201	202	< 5	0.6	2.09	22	< 10	120	< 0.5	< 2	1.85	0.5	12	26	57	3.25	< 10	< 1	0.05	10	0.57
FR-024SS	201	202	10	0.8	2.19	14	< 10	110	< 0.5	< 2	1.44	0.5	12	26	53	2.67	< 10	< 1	0.05	10	0.60
FR-025SS	201	202	235	0.6	1.42	< 2	< 10	50	< 0.5	< 2	1.99	0.5	5	15	75	0.99	< 10	1	0.03	10	0.29
FR-026SS	201	202	< 5	0.6	2.10	8	< 10	110	< 0.5	< 2	1.29	0.5	13	28	71	2.93	< 10	< 1	0.08	10	0.47
FR-027SS	201	202	< 5	0.8	1.81	6	< 10	100	< 0.5	< 2	2.21	1.5	7	35	61	1.69	< 10	< 1	0.06	10	0.42
FR-028SS	201	202	80	0.4	2.06	6	< 10	100	< 0.5	< 2	1.09	0.5	14	43	51	2.74	< 10	< 1	0.06	< 10	0.80

CERTIFICATION: 



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: GOWER THOMPSON & ASSOCIATES LTD.  
 GEOLOGICAL CONSULTING EXPLORATION  
 985 GATENSBURY ST.  
 COQUITLAM, BC  
 V3J 5J6

Page Number : 1-8  
 Total Pages : 1  
 Certificate Date: 19-OCT-1999  
 Invoice No. : 19930663  
 P.O. Number :  
 Account : QWR

Project : FRAN  
 Comments: ATTN: STEPHEN GOWER

## CERTIFICATE OF ANALYSIS A9930663

SAMPLE	PREP		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
FR-99 001S	201	202	295	3	0.01	19	490	6	0.01	< 2	3	260	0.09	< 10	< 10	86	< 10	54
FR-99 002S	201	202	305	2	0.01	29	540	< 2	0.01	< 2	3	28	0.09	< 10	< 10	74	< 10	50
FR-99 003S	201	202	455	9	0.01	24	910	< 2	0.02	< 2	4	319	0.09	< 10	< 10	94	< 10	84
FR-99 004S	201	202	360	14	0.01	26	850	4	0.01	< 2	4	474	0.09	< 10	< 10	86	< 10	62
FR-99 006S	201	202	515	3	0.01	22	650	2	0.01	< 2	4	99	0.14	< 10	< 10	89	< 10	50
FR-99 007S	201	202	1375	16	0.02	27	1050	18	0.05	24	10	261	0.07	< 10	< 10	119	< 10	64
FR-99 008S	201	202	470	2	0.01	54	610	2	0.04	< 2	4	157	0.08	< 10	< 10	91	< 10	118
FR-99 009S	201	202	525	5	0.01	28	570	10	0.03	< 2	5	64	0.06	< 10	< 10	75	< 10	102
FR-99 010S	201	202	650	4	0.01	31	670	6	0.01	< 2	5	47	0.05	< 10	< 10	71	< 10	58
FR-99 011S	201	202	495	1	0.01	23	1090	2	0.01	< 2	3	24	0.04	< 10	< 10	61	< 10	84
FR-99 012S	201	202	635	3	0.01	21	870	2	0.01	< 2	4	45	0.08	< 10	< 10	68	< 10	60
FR-99 013S	201	202	1005	3	0.03	43	880	4	< 0.01	< 2	8	117	0.15	< 10	< 10	117	< 10	88
FR-99 014S	201	202	650	1	0.02	35	570	2	< 0.01	< 2	6	58	0.15	< 10	< 10	100	< 10	70
FR-99 015S	201	202	730	5	0.02	51	500	8	0.01	< 2	8	93	0.10	< 10	< 10	90	< 10	176
FR-99 016S	201	202	360	35	0.01	11	710	40	0.04	< 2	3	52	0.01	< 10	< 10	80	< 10	418
FR-99 017S	201	202	320	22	0.01	2	950	14	0.17	2	2	90	< 0.01	< 10	< 10	32	< 10	570
FR-99 018S	201	202	275	11	0.01	15	1100	54	0.04	20	3	43	< 0.01	< 10	< 10	55	< 10	494
FR-005SS	201	202	1390	9	0.01	9	950	8	0.04	14	3	56	0.03	< 10	< 10	82	< 10	78
FR-019SS	201	202	765	9	< 0.01	5	1530	< 2	0.20	< 2	1	103	< 0.01	< 10	10	13	< 10	18
FR-020SS	201	202	710	8	0.01	18	1720	2	0.25	< 2	1	108	0.01	< 10	10	21	< 10	144
FR-021SS	201	202	1210	7	0.01	27	910	< 2	0.07	< 2	5	52	0.08	< 10	< 10	77	< 10	76
FR-022SS	201	202	1150	5	0.01	26	800	2	0.06	< 2	5	43	0.08	< 10	< 10	77	< 10	66
FR-023SS	201	202	1845	21	0.02	15	1640	< 2	0.19	< 2	3	103	0.03	< 10	< 10	86	< 10	58
FR-024SS	201	202	1215	7	0.01	18	1210	4	0.13	< 2	2	83	0.04	< 10	< 10	67	< 10	66
FR-025SS	201	202	325	8	0.01	9	1390	< 2	0.33	< 2	< 1	77	0.02	< 10	< 10	28	< 10	24
FR-026SS	201	202	1360	3	0.01	21	1020	2	0.07	< 2	3	75	0.04	< 10	< 10	70	< 10	74
FR-027SS	201	202	675	4	0.01	22	1400	< 2	0.17	< 2	2	80	0.03	< 10	< 10	41	< 10	62
FR-028SS	201	202	480	3	0.02	25	860	2	0.06	< 2	6	72	0.10	< 10	< 10	77	< 10	74

CERTIFICATION: \_\_\_\_\_



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221

To: GOWER THOMPSON & ASSOCIATES LTD.  
GEOLOGICAL CONSULTING EXPLORATION  
985 GATENSBURY ST.  
COQUITLAM, BC  
V3J 5J6

\*\*

INVOICE NUMBER

I 9 9 3 0 6 6 4

## BILLING INFORMATION

Date: 18-OCT-1999  
Project: FRAN  
P.O. No.:  
Account: QWR

Comments:

Billing: For analysis performed on  
Certificate A9930664

Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
11	205 - Geochem ring to approx 150 mesh ICP-32	2.60	7.40	
	0-3 Kg crush and split	2.60		
100	- Au ppb FA+AA	9.90	22.50	247.50
Total Cost \$				247.50
(Reg# R100938885 ) GST \$				17.33
<b>TOTAL PAYABLE (CDN) \$</b>				<b>264.83</b>



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 985 GATENSBURY ST.  
 COQUITLAM, BC  
 V3J 5J6

A9930664

Comments: ATTN: STEPHEN GOWER

CERTIFICATE

A9930664

(QWR) - GOWER THOMPSON & ASSOCIATES LTD.

Project: FRAN  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 18-OCT-1999.

## SAMPLE PREPARATION

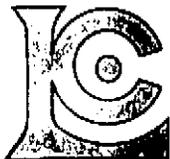
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	11	Geochem ring to approx 150 mesh
226	11	0-3 Kg crush and split
3202	11	Rock - save entire reject
229	11	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	11	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	11	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	11	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	11	As ppm: 32 element, soil & rock	ICP-AES	2	10000
557	11	B ppm: 32 element, rock & soil	ICP-AES	10	10000
2121	11	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	11	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	11	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	11	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	11	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	11	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	11	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	11	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	11	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	11	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	11	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	11	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	11	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	11	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	11	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	11	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	11	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	11	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	11	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	11	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
551	11	S %: 32 element, rock & soil	ICP-AES	0.01	5.00
2141	11	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	11	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	11	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	11	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	11	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	11	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	11	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	11	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	11	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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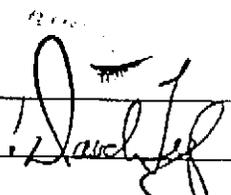
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 GEOLOGICAL CONSULTING EXPLORATION  
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 COQUITLAM, BC  
 V3J 5J6

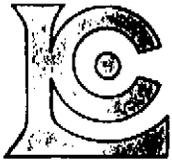
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 Certificate Date: 18-OCT-1999  
 Invoice No. : 19930664  
 P.O. Number :  
 Account : QWR

Project : FRAN  
 Comments: ATTN: STEPHEN GOWER

## CERTIFICATE OF ANALYSIS A9930664

SAMPLE	PREP CODE		Au ppb	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg
	FA+AA		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
FR99 001R	205	226	105	< 0.2	3.34	8	10	140	< 0.5	< 2	2.37	< 0.5	17	118	41	4.92	10	< 1	0.19	< 10	1.34
FR99 002R	205	226	10	< 0.2	2.72	< 2	< 10	80	< 0.5	< 2	2.95	< 0.5	8	23	23	2.25	< 10	< 1	0.24	10	0.92
FR99 003R	205	226	2730	3.4	0.94	696	< 10	50	< 0.5	2	0.12	18.5	16	121	362	4.02	< 10	3	0.22	< 10	0.21
FR99 004R	205	226	5	< 0.2	2.59	6	< 10	80	< 0.5	< 2	2.03	< 0.5	9	16	58	2.92	< 10	< 1	0.17	10	0.32
FR99 005R	205	226	< 5	0.2	3.71	14	< 10	70	< 0.5	< 2	2.73	0.5	27	32	145	4.70	< 10	< 1	0.24	< 10	2.18
FR99 006R	205	226	10	< 0.2	2.66	26	10	70	< 0.5	< 2	1.53	< 0.5	12	23	78	4.67	10	< 1	0.21	< 10	0.76
FR99 007R	205	226	< 5	0.2	2.71	10	10	60	< 0.5	< 2	1.73	< 0.5	23	33	456	5.48	< 10	< 1	0.15	< 10	0.92
FR99 008R	205	226	< 5	< 0.2	3.14	6	10	80	< 0.5	< 2	2.64	< 0.5	12	15	20	3.27	< 10	< 1	0.24	< 10	1.19
FR99 009R	205	226	< 5	< 0.2	3.47	12	10	60	< 0.5	< 2	3.20	< 0.5	13	22	42	2.53	< 10	< 1	0.19	< 10	1.13
FR99 010R	205	226	5	0.2	3.49	2	10	80	< 0.5	< 2	2.53	< 0.5	13	17	17	3.01	< 10	< 1	0.20	< 10	1.26
FR99 011R	205	226	< 5	< 0.2	3.12	< 2	10	70	< 0.5	< 2	2.68	< 0.5	13	23	8	3.54	< 10	< 1	0.18	10	1.19

CERTIFICATION: 



# Chemex Labs Ltd.

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 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

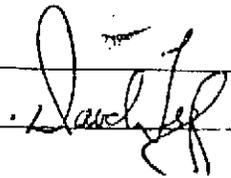
To: GOWER THOMPSON & ASSOCIATES LTD.  
 GEOLOGICAL CONSULTING EXPLORATION  
 985 GATENSURRY ST.  
 COQUITLAM, BC  
 V3J 5J6

Page Number : 1-B  
 Total Pages : 1  
 Certificate Date: 18-OCT-1999  
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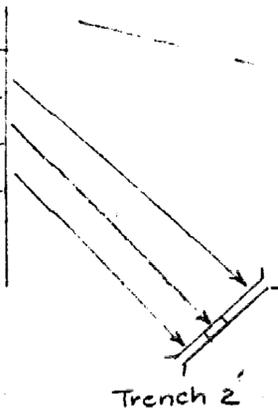
Project : FRAN  
 Comments : ATTN: STEPHEN GOWER

## CERTIFICATE OF ANALYSIS A9930664

SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Tl	Tl	U	V	W	Zn
			ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
FR99 001R	205	226	915	< 1	0.20	40	970	< 2	0.07	< 2	9	53	0.24	< 10	< 10	145	< 10	54
FR99 002R	205	226	505	< 1	0.22	3	1510	< 2	0.05	< 2	4	98	0.16	< 10	< 10	89	< 10	32
FR99 003R	205	226	150	138	< 0.01	2	400	28	1.87	< 2	1	10	< 0.01	< 10	< 10	29	10	2490
FR99 004R	205	226	340	1	0.08	3	1550	< 2	0.12	< 2	2	119	0.10	< 10	< 10	94	< 10	28
FR99 005R	205	226	830	< 1	0.24	20	1070	< 2	0.31	< 2	8	131	0.25	< 10	< 10	193	< 10	80
FR99 006R	205	226	535	< 1	0.07	2	1170	< 2	0.70	< 2	3	49	0.13	< 10	< 10	90	< 10	50
FR99 007R	205	226	260	10	0.08	15	1540	< 2	2.82	< 2	5	72	0.24	< 10	< 10	89	< 10	18
FR99 008R	205	226	505	1	0.26	7	1510	< 2	0.08	< 2	6	121	0.18	< 10	< 10	118	< 10	32
FR99 009R	205	226	445	< 1	0.23	10	1520	< 2	0.03	< 2	6	138	0.15	< 10	< 10	84	< 10	34
FR99 010R	205	226	535	< 1	0.18	8	1490	6	< 0.01	< 2	6	246	0.17	< 10	< 10	96	< 10	42
FR99 011R	205	226	545	< 1	0.14	10	1830	< 2	< 0.01	< 2	4	114	0.16	< 10	< 10	109	< 10	46

CERTIFICATION: 

Width meters	Au ppb	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm	Cd ppm	Co ppm
0.6	17300	18.67	28.5	1024	327	9493	17845	37	40	74	81
.24	29000	26.0	61.1	7445	434	90809	13757	-	31	525	89
0.5	390	NA	1.4	790	21	2424	218	-	7	13	11
Average	1.34	13086	24.2	2087	232	21419					

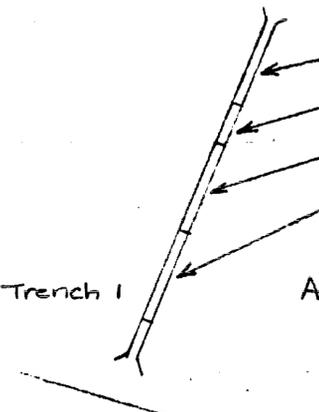


metasediments

Zone of carbonate alteration

hornfels

Width meters	Au ppb	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm	Cd ppm	Co ppm
1.0	4000	4.0	18.0	441	698	3871	2464	24	6	24	7
0.5	10100	9.6	23.0	437	558	9150	33932	59	6	67	100
1.0	1100	1.1	4.2	443	205	372	378	-	31	8	17
1.0	116	NA	0.9	174	38	153	250	-	18	5	15
Av. 2.5	4060		13.5	441	473	3527					



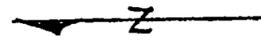
FRAN CLAIMS BRANCH

26,282

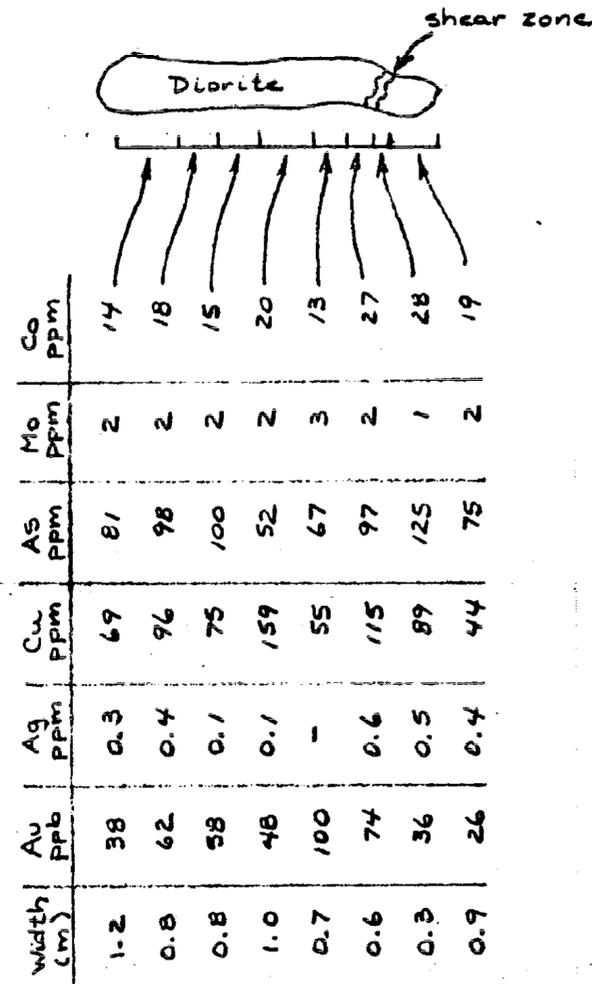
FRAN CLAIMS  
UPPER SHOWING

FIGURE 3

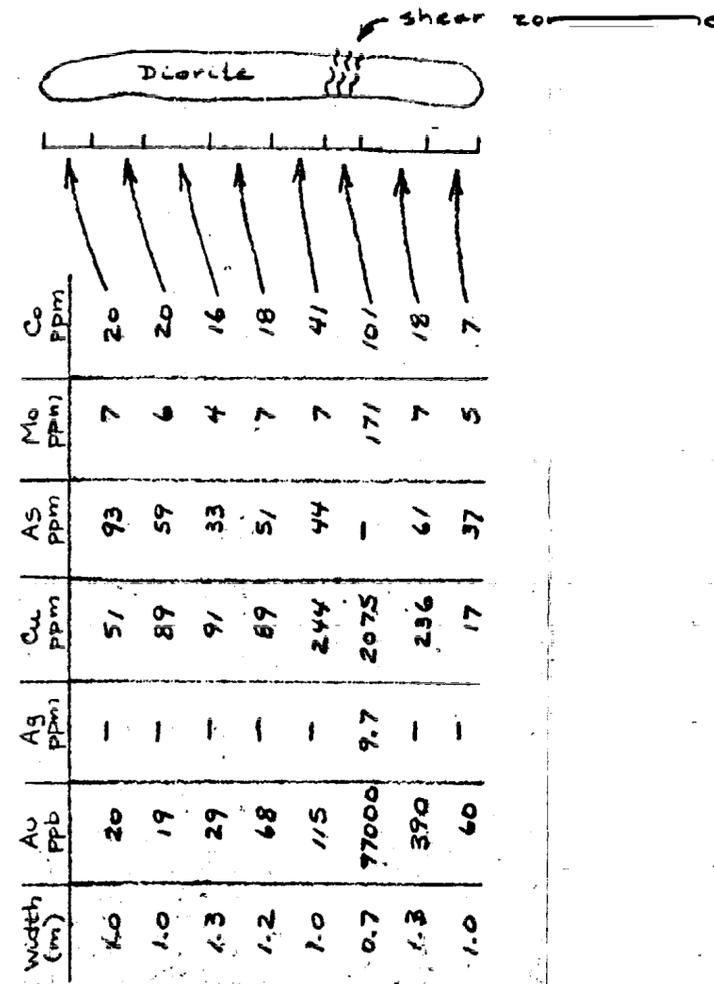




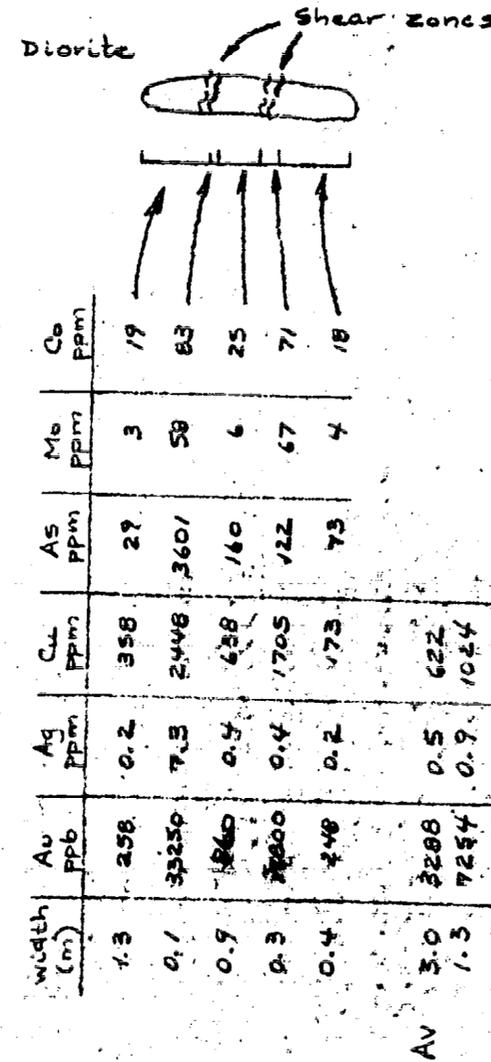
Trench 4



Trench 3



Trench 5

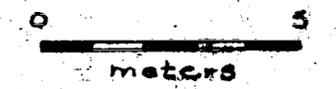


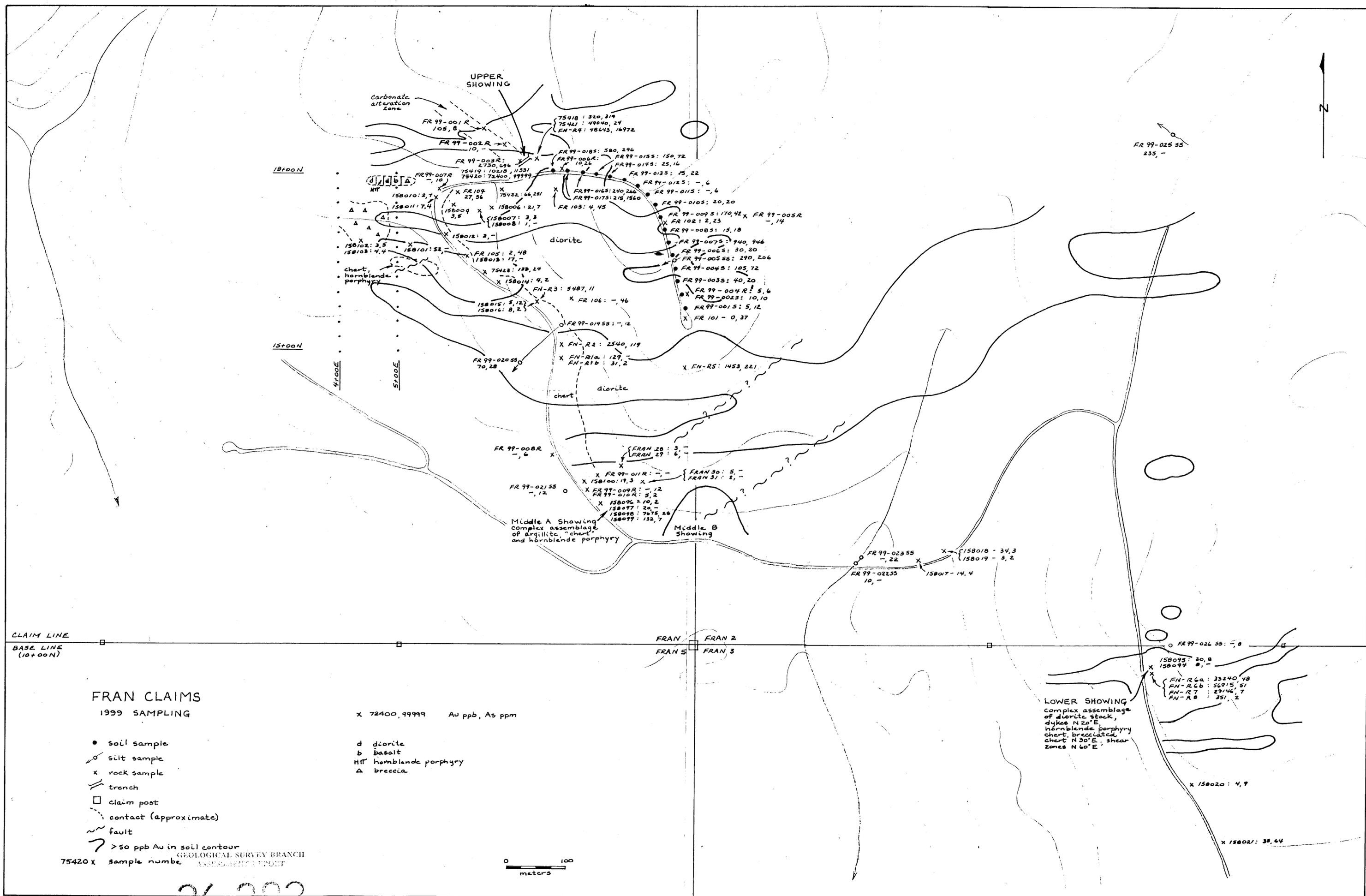
GEOLOGICAL SURVEY REPORT  
ASSESSMENT REPORT

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FRAN CLAIMS  
LOWER SHOWING

CROSS SECTION LOOKING DUE EAST  
FIGURE 4





**FRAN CLAIMS**

1999 SAMPLING

x 72400, 99999 Au ppb, Ag ppm

- soil sample
- silt sample
- x rock sample
- trench
- claim post
- - - contact (approximate)
- ~ fault
- > 50 ppb Au in soil contour

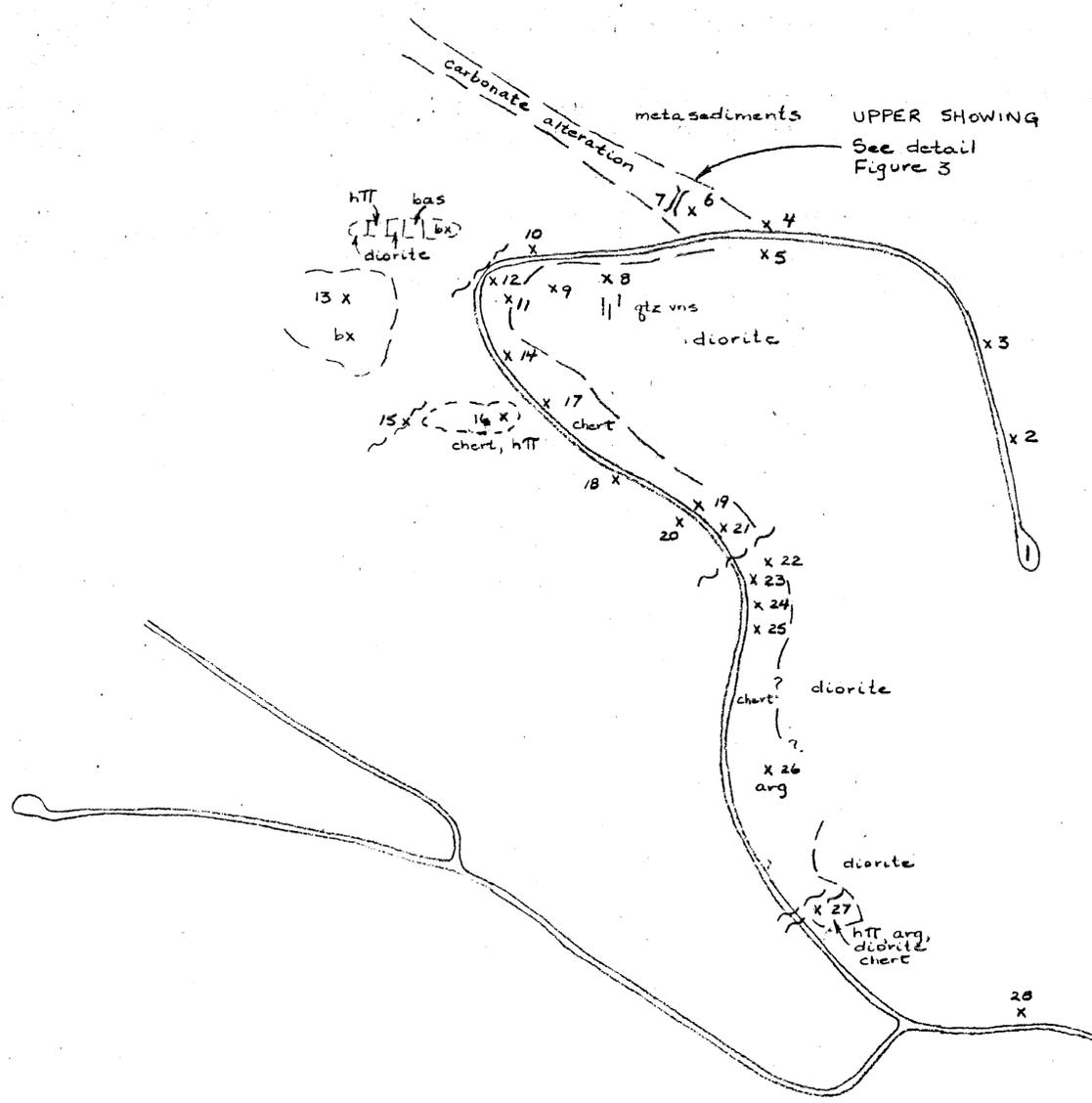
- d diorite
- b basalt
- HT hornblende porphyry
- Δ breccia

75420 x sample number

GEOLOGICAL SURVEY BRANCH  
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Sample #	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Cd ppm	Co ppm	Mo ppm	
1	7.0	NA	40	7	19	37	NA	4.1	9	2	(FR 101)
2	1.5	39	339	6	29	165	-	-	12	5	
3	1.0	2	NA	68	7	21	23	NA	4.1	9	(FR 102)
4	3.0	75	0.2	87	92	155	65	-	15	7	
	Grab	15	-	292	-	22	8	-	14	3	
	Grab	324	1.7	262	36	349	160	7	2.5	25	
5	1.0	4	NA	37	4	32	43	NA	3.0	8	(FR 103)
6	1.4	50	0.6	98	14	52	105	-	13	10	
	Grab	19400	22.8	794	692	5047	7015	-	32	35	
	Grab	3271	10.2	315	828	759	2676	23	6.7	3	
	Grab	3	0.3	75	-	30	-	-	0.5	11	
	Grab	41700	55.1	712	4427	3917	19788	65	26.1	20	
	Grab	30000	45.1	2208	585	22127	20715	52	166.5	45	
	Grab	670	3.5	931	32	489	428	5	3.9	34	
7	1.5	1360	4.8	366	152	635	870	-	3	16	
	3.0	1300	5.0	203	326	2382	4810	-	9	32	
8	Grab	-	-	13	4	9	-	-	2	2	(158008)
9	Grab	3	-	127	4	18	5	4	8	1	(158009)
10	4.0	27	NA	60	6	24	56	NA	3.3	9	(FR 104)
11	Grab	2	-	122	3	31	7	3	-	16	(158010)
	Grab	7	-	214	4	16	4	-	-	17	(158011)
	Grab	3	-	388	-	11	-	-	3	20	
12	Grab	4	-	74	-	17	4	-	3	13	(158103)
13	Grab	4	-	74	-	17	4	-	3	13	
14	4.0	5	-	258	12	49	65	-	-	23	
	Grab	8	0.3	161	5	25	-	-	-	12	
15	Grab	3	-	36	-	30	5	-	-	6	(158102)
	Grab	52	-	73	-	30	-	-	-	9	(158101)
	Grab	2	-	343	-	11	-	-	-	15	(158012)
17	1.5	5	-	239	6	29	15	-	-	24	
	12.0	2	NA	65	3	22	18	NA	3.0	8	(FR 105)
18	Grab	17	-	47	3	10	-	-	-	9	(158013)
	2.0	5	-	409	6	20	10	-	-	28	
19	2.8	200	-	216	8	25	-	-	-	27	
	2.8	10	-	32	8	22	10	-	-	14	
	Grab	750	1.8	357	73	460	711	6	3.0	5	
	Grab	497	1.6	781	6	5	21	-	-	55	
	Grab	85	0.6	429	-	21	8	-	0.6	29	
	Grab	821	0.3	8326	-	3	-	-	-	102	
	Grab	44	-	60	-	30	-	-	0.3	11	
	Grab	227	0.3	66	15	50	66	-	0.4	15	
	Grab	1170	-	619	19	22	15	-	-	32	
20	Grab	4	-	229	-	42	2	-	-	18	(158014)
	2.0	825	-	190	8	30	10	-	-	32	
22	15.0	-	NA	8	7	35	46	NA	2.9	6	(FR 106)
23	6.0	5	-	63	8	36	5	-	-	25	
	5.0	5	-	64	6	27	10	-	-	19	
24	5.0	55	-	177	8	32	10	-	-	39	
	5.0	25	-	87	8	31	-	-	-	30	
	5.0	475	-	130	10	32	25	-	-	36	
	Grab	363	0.3	830	-	28	20	-	0.7	54	
	Grab	15	-	292	-	32	8	-	-	14	
	Grab	262	0.5	722	3	18	7	-	1.3	28	
	Grab	14	-	143	-	18	-	-	0.2	13	
	Grab	770	-	320	5	77	57	-	0.7	35	
25	5.0	235	-	41	8	35	15	-	-	24	
	5.0	140	-	163	8	29	10	-	-	28	
26	Grab	4	-	167	4	41	3	-	-	14	(158100)
27	Grab	10	-	29	3	35	2	3	0.4	12	(158096)
	Grab	20	-	4	-	126	-	-	0.8	3	(158097)
	Grab	7675	3.7	51	6	497	28	-	5.6	11	(158098)
	Grab	182	-	3	6	190	7	-	0.6	6	(158099)
28	Grab	144	-	122	-	16	7	-	-	12	
29	2.5	25	-	115	10	28	-	-	-	15	
30	4.5	95	-	117	10	40	15	-	-	25	
31	4.0	315	-	317	10	33	10	-	-	40	
	Grab	227000	19.8	1825	-	34	-	-	-	150	
	Grab	8	-	70	-	23	-	-	0.4	15	(158094)
	Grab	30	0.3	128	-	22	8	-	-	24	(158095)
	Grab	28700	5.7	1475	-	36	14	-	-	87	
	Grab	15800	1.0	803	3	32	5	-	0.3	47	
	Grab	98000	4.1	1702	11	25	16	-	-	49	
	Grab	7420	1.9	1749	4	36	122	-	-	36	
	Grab	211	-	282	9	68	19	-	0.4	32	
	Grab	112	-	80	7	29	12	-	0.3	14	

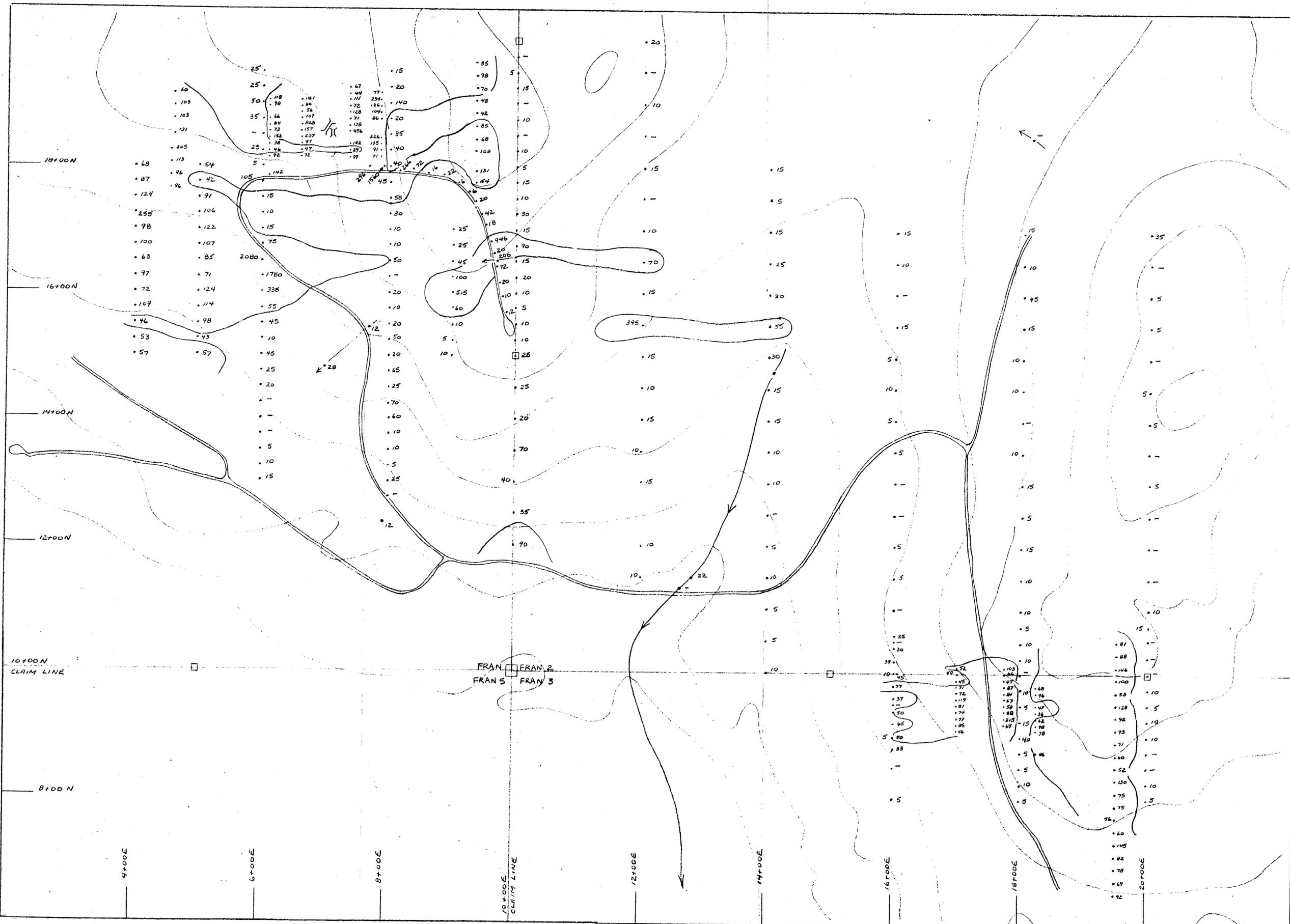
31  
X rock sample, locality  
FR106 1999 rock samples  
158098  
/ trench  
arg argillite  
HTT hornblende porphyry  
bas basalt

### FRAN CLAIMS

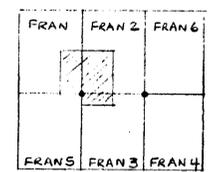
ROCK SAMPLE LOCATION MAP

GEOLOGICAL SURVEY BRANCH  
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26,282  
0 100  
meters



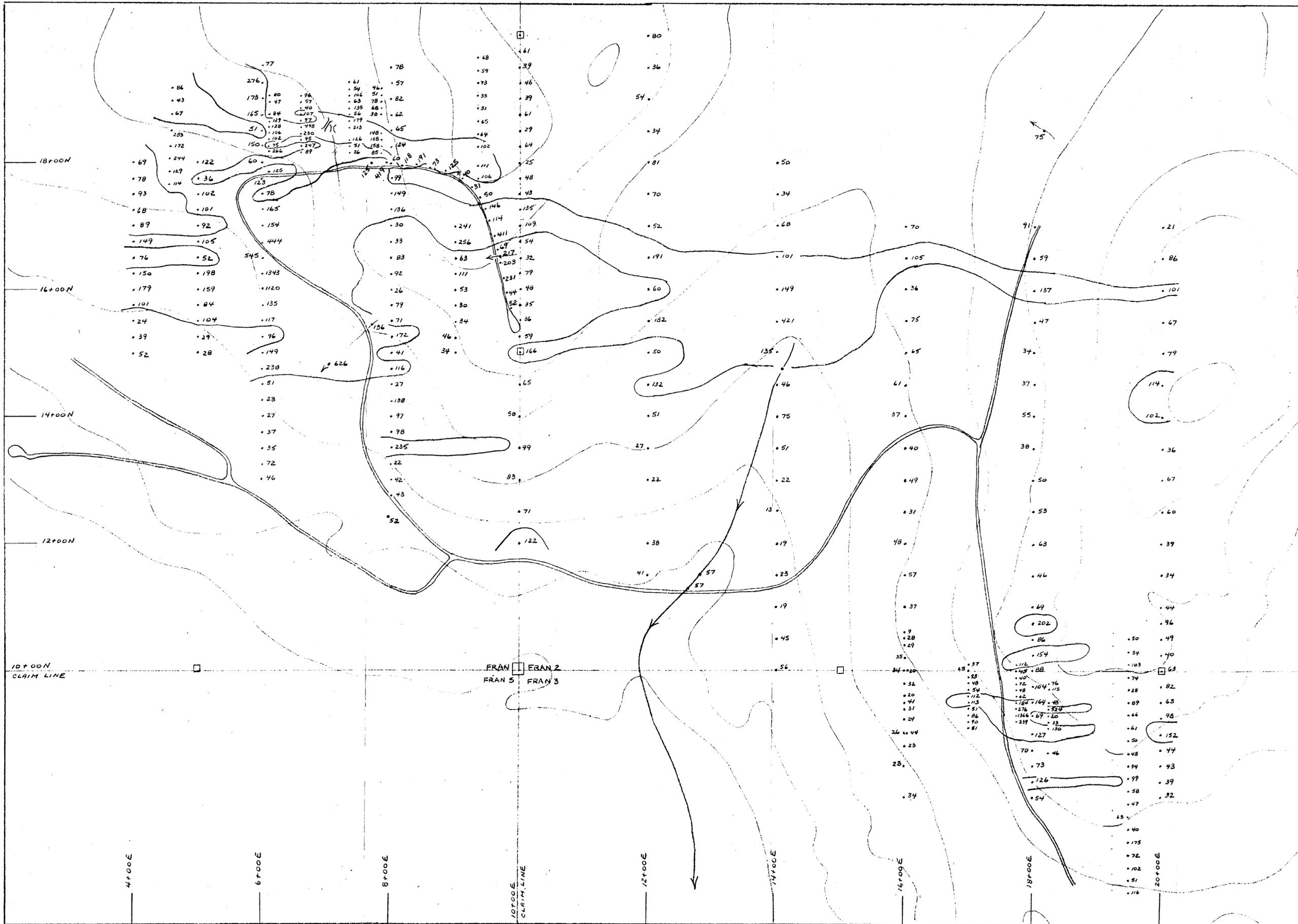
- soil sample
- ↗ silt sample
- > 50 ppm contour
- claim post
- ▬▬ trench



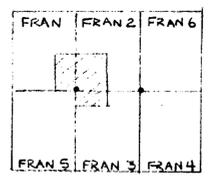
FRAN CLAIMS  
As (ppm)

GEOLOGICAL SURVEY BRANCH  
100 METRE HORIZONTAL  
0 100 200  
meters

26,202



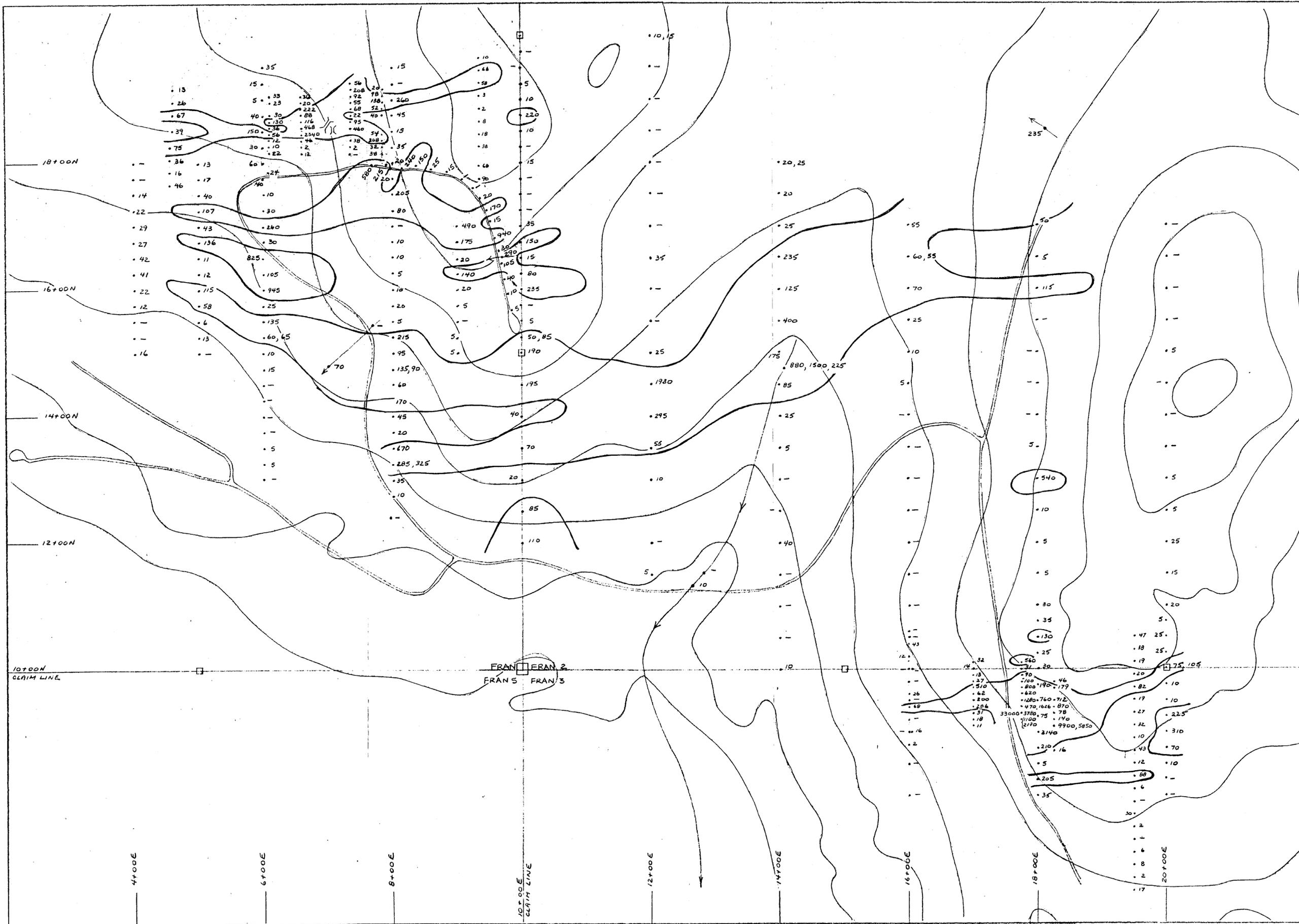
- soil sample
- ◄ silt sample
- ⤵ >100 ppm contour
- claim post
- ▬ trench



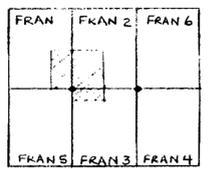
FRAN CLAIMS

Cu (ppm)

26,232  
meters



- Soil sample
- ◊ Silt sample
- ~ > 50 ppb Au contour
- claim post
- trench



### FRAN CLAIMS

Au (ppb) GEOLOGICAL SURVEY BRANCH  
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