

Sovereign Group of Claims.  
R. Trifaux, Assessment Works, 1983-1984.

GENERAL NATURE OF REPORT: Prospecting, Geological & Geochemical  
works on the claims.

CLAIMS INVOLVED: Sovereign Group containing:  
Kimo claims-9 units.  
Itula claims-4 units.  
Tom claim - 1 unit.

MINING DIVISION: Cariboo. (Quesnel)

SPECIFIC LOCATION: Latitude: 52° 58' North.  
Longitude: 121° 58' West.  
Northwest corner of Map 93A/13W(M)

OWNER OF CLAIMS: Rene Trifaux.

AUTHOR OF REPORT: R. Trifaux.

Date submitted: April 4, 1984.

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**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**12,266**

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*Pages 41 to 80 invoices filed.*

Sovereign Group of claims-1983-1984

INTRODUCTION: The areas where I did my reconnaissance and prospecting works and the geochemical surveys are situated 33 to 38 kms approximately in a south-easterly direction from Quesnel., 12 miles approximately in an easterly direction from the bifurcation of the Swift River Forestry road with the main Barkerville road.

The claims recorded in my name and staked during the 1983-1984 season are situated mainly on the North side of the Forestry road (some to the south of the road). Road 13H is crossing all the claims staked this year. I will be referring to that road in this report, regarding locations of samples, the quarry, etc...

To reach the areas, from Quesnel, one takes the Barkerville road from Quesnel to Cottonwood, passing the new concrete bridge which has been terminated this year (1983). From Cottonwood, one continues on the same road for 4 miles to the Swift River Forestry Road bifurcation to the East.

The claims areas are situated mainly on the right bank of the Sovereign Creek, on the plateaux above the creek itself. The road is as always in perfect condition but one has to watch for the logging trucks always present on the road.

The new Claims, Kimo, Tom, Itula, Louise 1, Louise 2, Margo, are all situated on the right bank of the Sovereign except for the 5 southerly claims of Louise 1 group, which are situated in part on the left bank of the creek. The logging road 13H is giving good access to the claims everywhere. This year, several small Companies were digging in the Sovereign flats and benches to localize placers (gold) but it does not seem they have been very successful. Several small access roads have been dug from the main road to give access to machines to test the gravels, 2 of them roads were excavated on my claims. The Do-Do creek has been excavated at two places.

Prospecting, reconnaissance works and research for outcrops has been done extensively on the Kimo and Tom claims, Itula, Louise 1 & 2, and Margo cl. (see technical data on this matter).

Several good outcrops were found and a quarry which has been excavated by the Forestry or the loggers, along road 13H, shows several formations with Cu, Pb, Zn, Cd, Se, Sb, Bi, V, U, Th, etc... Good outcrops have also been found on Itula claims and east of them on the logging road going to Mount Campbell.

Good outcrops have been found on the Margo Claims in the south and the North of the claims. I found a new breccia in the ultrabasic on Tom claim. Samples have been taken for analyses. Boulders of hornblende have been discovered not far from the breccia. I broke several boulders for good sampling in this area. The composition of the breccia is different than the one on the Do-Do creek, no rounded elements have been seen to date. The sulphides are in grains instead of patches.

For the Kimo, Margo, Louise 1 and 2 claims, the accesses are fairly easy because of the logging which has been done quite recently. But the works done are just a start for what is to be done.

A quarry has been opened on road 13H, in the middle of the Kimo claims and good exposure of the rocks permit to distinguish the strike of the formations which is 40 to 50° N.E., the dip in places is 90°.

Sovereign Group of Claims-1983-1984.

INTRODUCTION(cont'd). Geochemical surveys have been done in one place with several lines and pits spaced at 50m. Beside the geochemical survey a lot of chip and grab samples have been taken and analyzed.

The staking was extensive and done by myself. In some places the topography is aridlike (Itula and Tom claims) where slopes are reaching 60%.

A main trust faults which is shown on the geology maps has been found, the Pinchi fault, north of Tom claim. The two lips of the fault are covered with boulders from the ultrabasic.

Mapping of the surveys and local geology has been done by myself. More mapping will be done next season.

More sampling has been done on Wim, Wim-Ta, Wim-Cal claims and the results are shown in the technical date related to these claims.

A Company or a prospector staked claims on my Wim-Cal claims and they are overlapping on my claims on the north. I signaled the occurrence to the Gold Commissioner of Quesnel.

Several Companies came to the Cariboo, on the Forestry road, with machinery and cut access roads on my claims to test the alluviums and eluviums which are situated in and on the right bank of the Sovereign creek. They left huge pits open and they went. I decline any responsibility if any accident happen because of these pits. I signaled the incident to Mr. Campbell, the gold Commissioner. I also asked to use the roads as an assessment work for myself, Mr. Campbell said I have not the right to claim such work as assessment.

The staking is intensifying in this area and south of the same area. Discoveries are being made.

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Sovereign Group of claims

TOPOGRAPHY:

The areas are arid in some places, up to 60 degrees slopes on the flanks of the mountains.

The slopes become gentle going North of the Kimo and Itula claims and on the Margo claims. In the middle of the Margo claims a plateau (terrace) is 40 metres above the flat of the Sovereign creek.

On the east side of the Itula claims, slopes are arid and in some places abrupt with 80 degrees inclination. In the fault the south-west lip is vertical and abrupt with a multitude of quartz veinlets in it.

On the west side of the claims, from the central post to the logging road the slopes are still from 30 to 50 degrees but become more gentle 150m from the said central post. A dome is showing as one is going to the west of the claims. Further west they become a part of the same plateau which is north of the Kimo claims.

The slopes on the Kimo claims which are going south on the claims are in the order of 30 to 20 degrees, to become a flat at the bottom of the right bank of the Sovereign creek. On the west side of the Kimo claims, in the ultrabasics, slopes of 76 degrees are seen. Cliffs of 85 degrees are seen in the North west part of the claims. 2 creeks have falls in them and the rocks are heavily altered with dark ferruginous marks.

The Sovereign creek from the Margo claims, to the Itula claims, and to the Kimo claims is flowing in a flat and the difference of level between the Swift River road culvert and the middle of the creek is 40 to 50m. There are some rapids but no falls in the creek.

When the Sovereign creek reaches the Kimo claims (at the bottom) a big flat has been developed. It has been said that the Sovereign was flowing to the Reddish creek. Here the left bank of the creek is composed of rocks belonging to the Quesnel formations.

Further west on the same Sovereign creek, on the Kimo claims, a big terrace composed of limonitic powder has developed.

Fifty metres north east of the Sovereign Culvert on the Swift River road, the creek passes through a slaty schistic formation which has some similarities as the one seen on the Do-Do, creek 4 and 5.

The Kimo claims, on the north are staked on the plateau which goes to the direction of Wingdam. To the west the slopes are all converging to the creek no 8 shown on my Wim-Ta claims.

On the south side of the Itula claims, the left bank of the Sovereign creek is very steep, close to the vertical for approximately 200 metres, showing that the formations resisted to the erosion of the creek. Overburden, thick forest do not permit to recognize the rocks formations. Further south, on the left bank of the creek, tailings of placer mining are seen to 200 m to the East.

2 placer mines are working today on the Sovereign Creek but they are a few kilometres downstream. The gold is very fine but payable. The above represents a few observations related to the claims regarding the topography; they were noted when staking and looking at the geology of the region.

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TECHNICAL DATA

- 1-Regional Geology.
- 2-Local Geology.
- 3-Samples & materials encountered to date.
- 4-Geochemistry.
  - a-Methods used by Laboratories.
  - b-Summary of samples analyses(outstanding with elements showing the best results)
  - c-Commentaries on results.
  - d-Histogram for some elements.
- 5 Map with sample locations.

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1-REGIONAL GEOLOGY: MAP: Bedrock geology Cariboo Lake, Spectacle Lakes, Swift River and Wells, Cariboo District, B.C. from the Geological Survey of Canada.

UTR a1- phyllite, argillite, slaty argillite, quartzite, schist, minor greenstone, conglomerate.  
This represent the Upper triassic.

MPau- Mississipian-Pensylvanien, Permian.  
Serpentinites, sheared mafic rocks.

DMS- (Devonian? and Mississipian?)  
Black siltite, phyllite, grey micaceous quartzite, limestone, minor metatuff.

MpRp:- Mississipian to Permian.  
Black siltite and slate, may be equivalent to DMS.

A geological contact exist between MPau and UTA1, which is situated parallel to the Swift river road, and from 100 to 200m north of the said road on the claims.

I went through the Pinchi fault in several places during my reconnaissance prospecting on the Kimo claims.

The trust fault created the huge hydrothermal development of this area. The lips of the fault in Kimo cls. are to 40 metres apart. Samples were taken on the boulders on each side of the fault.

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TECHNICAL DATA (cont'd)

2-LOCAL GEOLOGY. A huge body of ultrabasic rocks has been localized east of Wim-TA claims; it is a continuation of the body found previously on the WIM and WIM-TA claims. The composition of the rocks is different. The magnetite found on Wim-Ta cls is not encountered to the same extent on Kimo cls. The rocks are darker and contain fine veinlets of chrysotile. On the west side of the Kimo claims the ultrabasic is not altered but it is altered deeply on the east.

Grey quartzitic veins with sericite are found in the quarries on the 13H road with porphyritic formations. The grey quartzitic veins are intermixed with the porphyry and other quartz veins. In some places hydrothermal alterations are pronounced and each minuscule fault is teinte in ferruginous alterations.

It seems that the area has been invaded by alterations due to Hot springs the said alterations are pervasive on several claims.

The Itula claims are presenting an andesitic formation in the south and the middle of the claims. A big number of parallel joints closely spaced produces platy structure typical in this area. The colour is grey to dark grey where biotite occurs. The formation looks like an intrusion and coatings of pyrite and sulphides occur on the plates. To the north of the claims the andesite changes to heavily micaceous formations with schists and quartzite. Graphitic schists are encountered to the north of the claims.

On the Kimo claims huge patches of clays (kaolinite?) are seen on the body and with the logging roads are easy to locate.

Sericite is seen nearly in all rocks appearances.

ROCKS & OTHER MATERIALS ENCOUNTERED:

Veins of grey quartzite with pyrites in the quarries, they are stained by the hydrothermal flues showing limonites, some hematite. ♪

Porphyritic rocks in veins or dykes with feldspars, quartz, and sericite.

Highly silicified rocks with sericite on road to Itula.

Ultramafic rocks in place, with micas, chlorite, magnetite, huge boulders of mafic rocks are seen in all the creeks.

Serpentine, serpentinite are present in different places, even on the East.

A diabase has been localized on the west part of the claims, it is a continuation of the same diabase seen on the Do-DO creek and Creek no 3.

Black slaty schists high in silver and arsenic and some tiny sulphides.

A breccia has been discovered with elements of platy appearance and the cement is hematite. Chalcopyrite has been seen in the rock.

Soils composed of powdery limonite, argillic, residues of ultramafic rocks, and blue schists in the quarries are present.

Gravels and elluviums are disseminated on the claims.

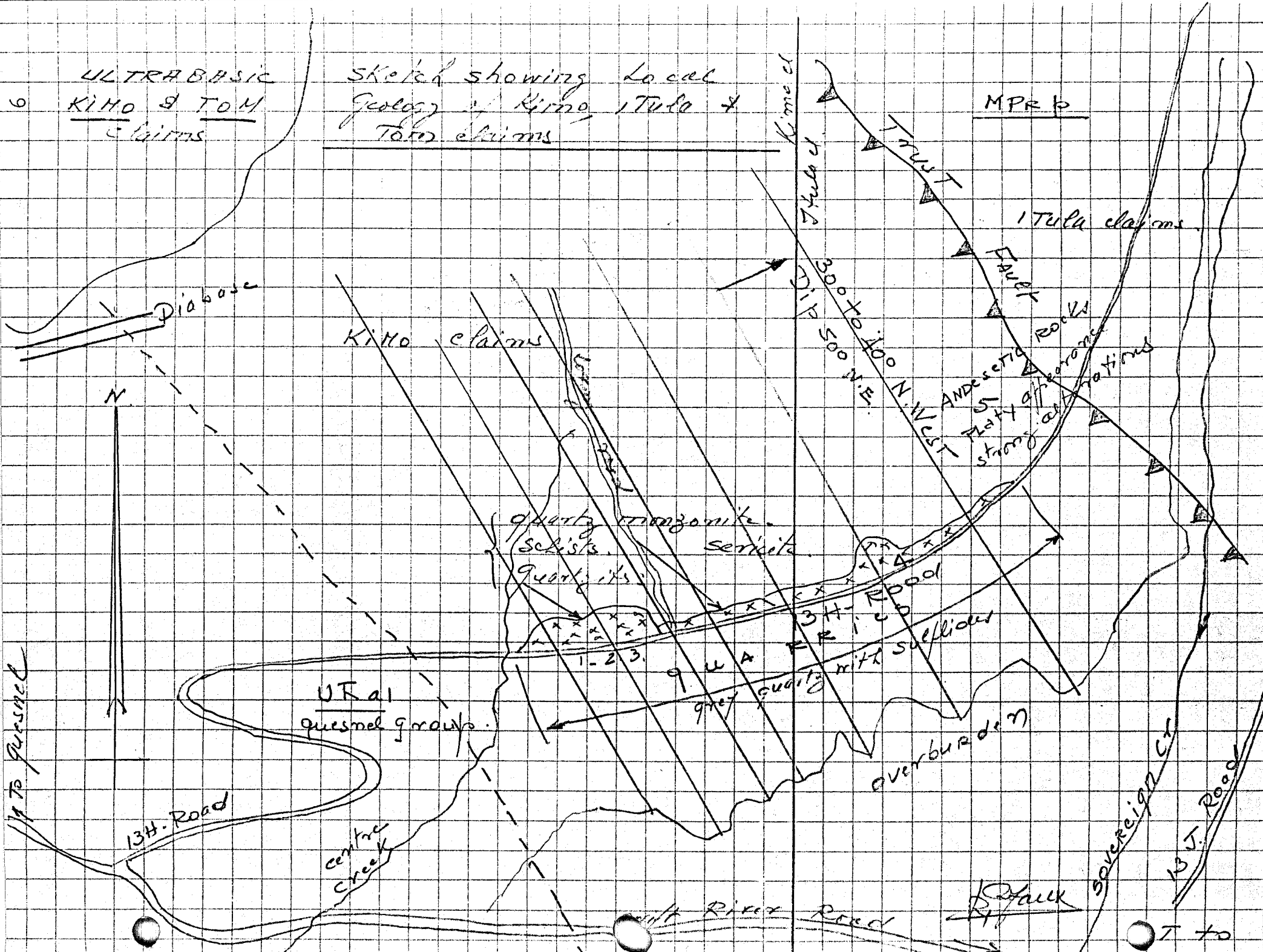
Ferricrete in several creeks, with platy elements.

Phyllites and slaty phyllites are situated east of Itula claims and pyrites on some of them, tiny filaments. ♪

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6 ULTRABASIC  
KIMO & TOM  
claims

Sketch showing local  
geology of Kimo, Itula &  
Tom claims





TECHNICAL DATA. (cont'd).

Location of Samples.

Samples nos.	Nature of samples.	Remarks, locations etc....
1-83	: Andesite.	: Itula cl. 40m east of Central Post. Light grey andesitic with some biotite. Ferruginous alterations.
2-83	: Andesite.	: Very deeply altered like a gossan. 80m east C. post.
BL1-no1	: Sinter.	: Kimo claims. Flat, creek no 1.
BL1-no2	: Limonite.	: Kimo. Flat, creek no 1. Powdery limonite.
BL1-no3	: S. Sediments.	: Kimo flat. South road 13H. Creek no 1.
BL3-no1A	: Gravels.	: Kimo cl. East of Centre creek. 35m.
3X	: Rock. Grey quartz.	: Kimo. Above cr. no1. first quarry.
BL2-2A	: Breccia.	: 250 metres west of Centre cr. Kimo no1. near road.
BL1-no1A	: Felsic rock.	: Silicified altered rock, in talus 135m west of Cr. 1.
3Y	: Schist.	: Quarry Kimo 2, near diabase. Biotitic appearance.
3Z	: Grey quartz.	: with pyrites, quarry Kimo-no2 quarry.
MIN-60	: Breccia.	: Centre creek-45m east. Kimo cl. Rich in hematite.
MIN-61	: Ultrabasic.	: Serpentine in Ultrabasic rocks.
MIN-24	: Grey porphyritic quartzite.	: Itula, east of cl.
MIN-25	: Quartzite.	: Quarry on road going to Itula.
MIN-26	: " "	: " " " " " 20 metres east of 25.
MIN-21	: Shale.	: Black shale with arsenic. East road to Itula.
MIN-22	: Soils.	: Close to 13H road. North side. Very ferruginous.
MIN-20	: Rock.	: Quartzite, east Itula, last quarry. Right bank sovereign
0-12	: Diabase.	: Diabase Kimo cls. North West top of creek. Close to Ultrabasic.
MIN-13	: Shale.	: Black shale east Kimo.
MIN-14	: Quartz.	: Grey quartz with numerous alterations. Pyrites.
MSB-P3	: Andesite.	: Centre Post Itula claims. 40 m above post. Chalcopyr.
4P3	: Porphyritic rock.	: Quarry along road going to Itula. 200 metres east boundary Kimo claims.
5P2	: Breccia.	: West of centre creek. 275 m west on edge of plateau. very angular and platy. Clay alterations, quartz, hematite seems to be the cement. Some sericite
S12-83	: Diabase.	: Kimo claims. Debris in creek above big boulders.
S13-83	: Black Shale,	: Road 13J, east of Kimo claims.
S14-83	: Quartz.	: Float of grey quartz at hairpin turn on 13H road.
SB-5-6	: Andesite.	: Andesitic plate from Itula, with sulphides.
SB-5-7	: Porphyry.	: Porphyritic rock from quarry, middle of road going to Itula cls.
SB-5-9	: Andesite.	: Platy andesitic rock 50 metres West of centre Post on Itula cls.
SB-S-no1.	: Quartz.	: East Kimo claims 1. Top of claim. Grey quartz. with pyrites.
no2.	: Porphyry.	: Porphyritic rock from quarry, going to Itula cls. 40 m east of SB-5-7.
no3.	: Ferricrete.	: creek no 2. East of centre creek. No4. 20m north of no3
no5.	: Altered rock.	: Kimo Flat. south of road 13H.

TECHNICAL DATA(cont'd).-

Location of samples.

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Sample no	Nature of sample	Remarks, locations etc....
RB-10	Rock.	: Kimo.Grey schist near diabase in creek.
RB-11	Grey quartz	: " .Plus heavy alterations.Between the lower level : and the upper level of the hairpin,on the road 13H.
BI-East	Rock	: Itula.Grey schist-Phyllites.
BI.	"	: " .Andesitic in the fault.
PB-D3	"	: Grey quartz,north side hairpin on road 13H.
- 4	"	: Grey quartz with pyrites,between hairpin on road 13H : and first quarry.
- 5	"	: Kimo cl.Diabase from centre of debris in creek.
R 65958.	"	: Schists on Kimo 1,near creek no1,in centre.

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Sovereign Group of Claims.1983-1984.-

Geochemistry of samples taken on Kimo,Itula Claims.

Compl. nos.	Report nos.	Ag	As	Bi	Cd	Co	Cu	Mo	Ni	Pb	V	Zn	Se	U	Hg
SB-5-7	123-3620						21	2							
SM-034	223-1487						7								
SM-041	"						79								
SB.S-1	123-3571						88	6							
SB.S-2	"						41	2							
SB.S-3	"						19	2							
SB.S-4	"						74	9							
SB.S-5	"						42	4							
B-10	123-3484						27	2							
B-11	"						40	2							
PBD-3	123-0519						8		2	2		9			
PBD-4	"					23	34		82	26		76			
PBD-5	"					18	26		142	7		60			
BD-3	423-0519														
R-65958	423-0462														
Min-En12	3-195	2.0	0As	26	2.2	29	34	7	83	25	114	74		53	
" 13	"	1.1	32	2	1.0	3	6	13	8	3	274	28		26	
" 14	"	.7	0	11	0	8	14	0	10	2	77	32		53	
" 23	3-311	0	0	20	2.7	28	72	3	176	37	90	46		0	
" 24	"	.1	0	8	0	9	26	1	10	0	60	21		7	
" 25	"	.1	0	8	.4	34	71	2	65	24	23	34		5	
" 26	"	.2	0	12	.6	33	76	4	69	9	24	18		10	
" 60	3-371	0	215	63	10.5	27	182	34	324	31	116	275	5	19	
" 61	3-351	2.2	0	38	13.4	82	23	0	1410	160	35	0	14	7	
" 22	3-272	.3				57	25	12	404	72	66	43		5	
" 20	3-272	.2	0	9	1.2	7	40	2	19	38	12	41		0	
" 21	"	3.3	0	7	1.0	1	22	1	13	0	29	36		0	
" 1	3-1290A	.3	41	36	9.6	57	25	12	404	72	66	43		17	
" 1-2	"	0	0	41	.4	12	20	21	32	34	20	71		0	
MSP3-3	3-1442A	.4	49	0	3.0	9	17	26	38	40	27	69	6	9	
MSP4-3	"	1.0	80	0	1.0	5	27	3	22	41	17	37	5	24	
BL1-1	3-784S	1.5	101	32	6.1	26	35	17	169	64	29	80	14		
BL1-2	3-784-S	1.8	66	34	4.4	17	22	14	71	42	134	79	119		35
BL1-3	"	1.6	77	32	5.8	28	27	18	214	49	119	90	125	13	70
BL1-1A	"	1.3	68	26	3.7	16	14	9	142	33	39	48	96	13	
BL2-2A	"	2.1	525	86	16.1	30	238	78	146	147	317	296	588	21	60
BL3-1A	"	1.8	206	46	9.4	47	78	31	217	108	211	137	215	12	
M-3-X	"	1.6	236	42	10.6	34	56	23	199	86	124	100	200	10	
M-3-Y	"	2.1	43	18	.5	3	16	T	13	10	29	2	0	21	
M-3-Z	"	.5	59	20	2.9	7	24	6	13	14	23	3	61	4	15
S5-P2	3-1442R	2.5	551	105	8.2	38	42	80	209	107	751	220	31	56	
SB-5-6	123-3630						24	T							
SB-5-9	"						22	1							
BI-Itu.	123-3484						54	2							
BI-East.	"						5	2							

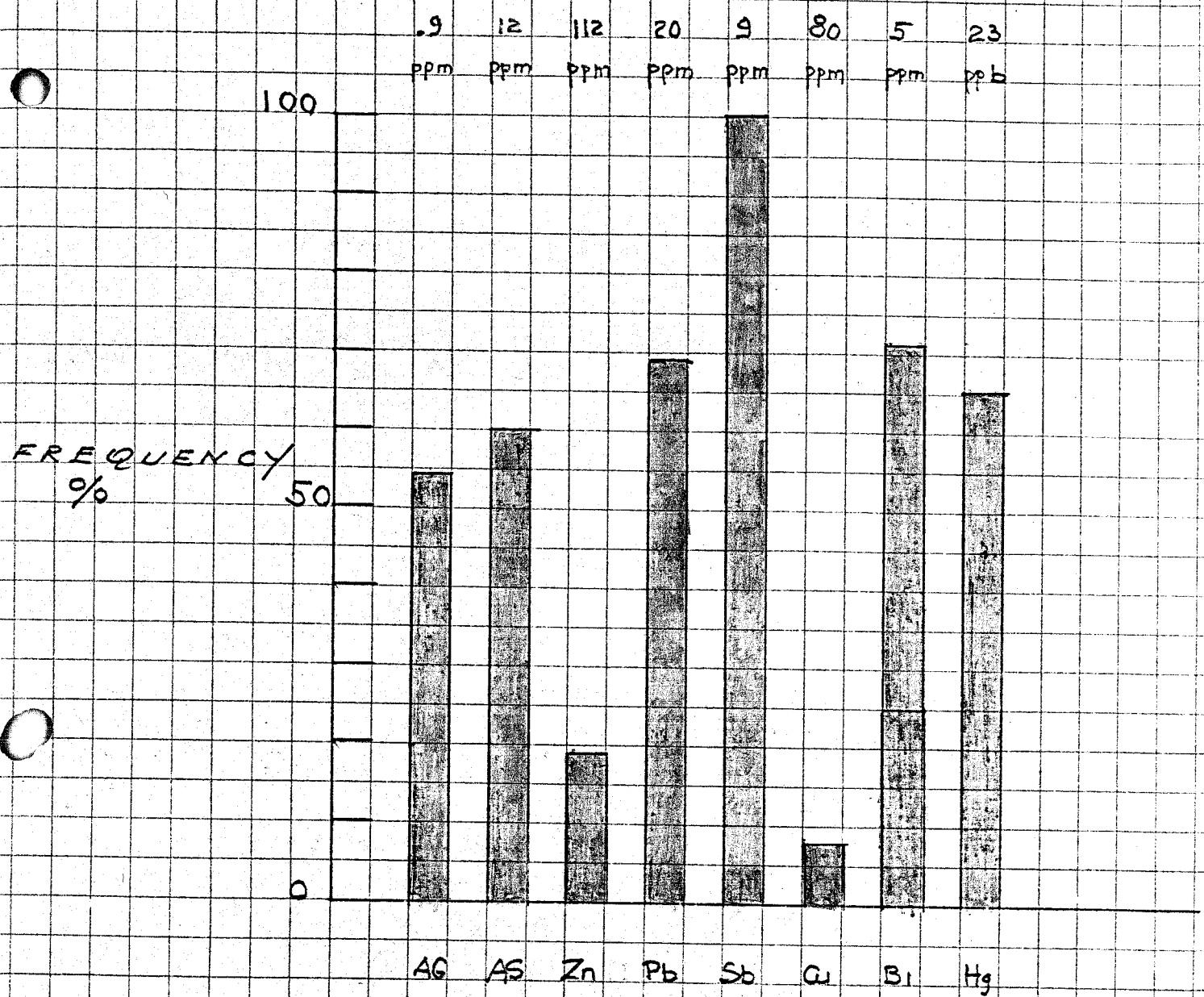
Sovereign Group of Claims.

TECHNICAL DATA-(cont'd):

The following interpretations related to the assays and analyses of the samples collected during the season, are preliminary. The number of samples will be increased steadily on the claims and the statistics will become more representative of the values of the elements encountered, with time.

From the histogram presented with this report and the analyses to date the following has been concluded:

- 1-A variation of elements concentration is seen in the rocks and soils analyses.
  - 2-100% of the samples came from the soils, gossan, rocks formations associated with the ultra basic intrusive, porphyritic and andesitic formations seen in the outcrops on the claims, and also some from black shale and schists, phyllites seen here and there in the regional environment.
  - 3-All the analyses came from materials taken on the right bank of the Sovereign creek.
  - 4-The following list demonstrates the variation of the individual elements related to the treshold taken in the literature i.e:
    - Ag-High in the samples and 54% of them above the .9ppm value considered as treshold.
    - Au-just a few samples have been analyzed for Au, but they are anomalous with 3 of them containing 50ppb and one 102ppb.
    - Pb-is very high in the areas with 68% of the samples exceeding the 20ppm treshold.
    - Zn-is steady in the samples but not highly anomalous except in the breccia, with 275, 296, 1220ppm.
    - Cu-only 3 anomalous readings, very low to date on the claims, but high in the breccia.
    - Mo-is showing a consistent association in the area with values up to 78ppm. All the samples are recording Mo and on 38 of them, 18 are above 5ppm.
    - As-60% of the samples are anomalous with some as high as 525, 551ppm. with a treshold of 12ppm.
    - Se-91% of the samples contain selenium. 75% of them are anomalous up to 588ppm in the breccia, 215 in gravels and 200ppm in quartz, in the quarry.
    - Bi-has been reported as a common associate of Au in some hypogene deposits. Of 25 samples analyzed for Bi, 18 gave good readings and 72% of them are above the 5ppm treshold and up to 105ppm.
    - Mn-no data is available, to my knowledge, for this element. on 29 samples 17 are high and up to 1000ppm.
    - B-Boron is often above the 10ppm mark.
- A-multiple anomalous readings for Ag, Au, Pb, Zn, Mo, As, Se, Bi, permit the conclusion that the environment is well mineralized in these elements.
- B-The frequency of the treshold values given in this report is a factor in determining which of the above elements is the best geo-chemical pathfinder.
- C-In order of decreasing abundance, the sequence of metals is:  
Arsenic, selenium, lead, bismuth, vanadium, molybdenum, mercury. (approximate)



HISTOGRAM GIVING PERCENTAGES OF SAMPLES WITH ABOVE THRESHOLD VALUES OF Ag, As, Zn, Pb, Sb, Cu, Bi, Hg.

Note - The 100% of sample for Sb applies for the Breccia alone.

March 22/1974  
*[Signature]*

Sovereign Group of Claims.Technical Data(continued)  
-----Breccia:

	<u>Cu</u>	<u>Zn</u>	<u>Ag</u>	<u>As</u>	<u>Bi</u>	<u>Cd</u>	<u>Pb</u>	<u>Se</u>	<u>Hg</u> (ppb)
Ppm.	182	275	-	215	63	10.5	31	-	-
	238	296	2.1	525	86	16.1	147	588	60
	42	1220	2.5	551	105	8.2	107	31	

The anomalous readings of the above elements are sporadic, one can not outline any type of anomaly. It is encouraging to find such values but not enough to encourage any conclusion and more work will be done in 1984.

It is too early to conclude a general pattern of mineralization, but there is some correlation between Au, Ag, As, Se, Hg, in gravels, in soils and in rocks.

Methods of analyses and assays from Laboratories. (Shown on reports).MIN-EN Laboratory:

Au-Aqua regia-A.A. Analysis.  
I.C.P. 24 elements. @ 6 elements.

Hg-Acide digestion. Flameless A.A.  
As-Spectrophotometric.

BONDAR-CLEGG:

Cu-HNO <sub>3</sub> -HCL.	Hot extrac.	Atomic A.	Size fraction -80m.
Zn- " - "	"	"	"
Ag- " - "	"	"	"
Bi-HNO <sub>3</sub> -	"	"	"
Mo- " -HCL.	"	"	"
Cr-PEROXIDE fusion.	-	"	"
Au-AQUA REGIA.	-	Fire assay. A.A.	"
Pb-HNO <sub>3</sub> -HCL.	Hot extrac.	Atomic assays.	" -100.
Ni- " "	"	"	" -100.

CHEMEX LABORATORY:

Au- N.A.A. Neutron activation analysis.

Ag- Perchloride-nitric. acid extraction(chemical)

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REPORT: 123-3630

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Mo PPM	NOTES
S B-5-6		24	1	Project 3 - Itula
S B-5-7		21	2	" 2 - Kirma
S B-5-8		17	5	" 1 - WMTA
S B-5-9		22	1	" 3 - Itula

REPORT: 223-1487

PROJECT: WIM #1 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Mo PPM	NOTES
S HQ-34		7		Kirna
S HQ-41		53		Kirna
S HQ-42		79		Creek #4
T HQ-40		55		to 80 CT

REPORT: 123-3571

PROJECT: KIMO PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Mo PPM	NOTES
S B-S-No 1		88	6	Rock - Quartz (top)
S B-S-No 2		41	2	" " - (road) to Itula
S B-S-No 3		19	2	Ferriferite or mol - East of the creek in centre (1)
S B-S-No 4		74	9	" " CT mol
S B-S-No 5		42	4	in flat south of Road in creek mol

REPORT: 123-3484

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Mo PPM	NOTES
R B-1-EAST ITUL		12	5	Good rock Itula
R B-1-ITULA		54	2	" " " "
R B-1-MARDO		5	2	Large claims - north (Pitokis)
R B-10-KIMO		27	2	Grey schist near diabase - in creek
R B-11-KIMO		40	2	Grey schist with pyrites. thin in road

REPORT: 123-0519 PROJECT: KIMO-CAR

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	As PPM	Ni PPM	Co PPM	NOTES
P BD-3-83		8	2	9	1.0	2		(1) Kirma-CAR, Black schists on road - all it
P BD-4-83		34	26	76	0.6	82		23 Kirma-CAR - grey quartzite with sulphide
P BD-5-83		26	7	60	0.2	142		18 Kirma-CAR - diabase " "

REPORT: 423-0519 PROJECT: KIMO-CAR

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	As OPT	NOTES
R BD-3-83 65959		<0.002		Black schists on road - 50ppb
R BD-4-83 65960		<0.002		Kirmagrey rock (exposed) with pyrites 60ppb
R BD-5-83 65961		0.003		Diabase, Kirma cl. 102ppb

REPORT: 423-0462 PROJECT: NORTH RASMOS CR

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	As OPT	NOTES
R 65958		<0.002	0.02	Cariboo Ki

MINEN LABS ICP REPORT

FILE NAME: 3-195  
ACT NAME: BED3

DATE: APRIL 19, 1983  
COMPANY: R. TRIFAU  
PROJECT: KIMO. CA.

CONCENTRATION IN PPM

	MIN-EN12 83	MIN-EN13 83	MIN-EN14 83
AG	2.0	1.1	.7
AL	23700	2840	7970
AS	0	32	0
B	21	3	6
BI	26	2	11
CA	26400	1180	4740
CD	2.2	.1	0
CO	29	3	8
CU	34	6	14
FE	86800	10200	37700
K	1070	1100	958
MG	28200	556	615
MN	564	35	81
MO	7	13	0
NA	2440	31	130
NI	83	8	10
P	1050	663	160
PK	25	3	2
SI	0	1	0
SR	312	14	167
TH	12	2	5
U	53	26	53
V	114.0	274.0	77.3
ZN	74	28	32

↑  
Diabase, Kimo.

↑  
Black shale  
east Kimo.

↑  
grey rock with  
Pyrites on Kimo



COMPANY: R. TRIFAX  
PROJECT No: ITULA

MIN-EN LABS ICP REPORT  
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
(604)980-5814 OR (604)988-4524

(ACT:GEO3) PAGE 1 OF 2  
FILE No: 3-311/A  
DATE: JUNE 2, 1983

(REPORT VALUES IN PPM)	AG	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MG
MINEN23/83	0	25200	0	17	20	22400	2.7	28	72	83400	702	28600
MINEN24/83	.1	7060	0	2	8	3390	0	9	26	47700	882	717
MINEN25/83	.1	7170	0	2	8	4020	.4	34	71	40200	756	1430
MINEN26/83	.2	7380	0	4	12	2180	.6	33	76	42400	556	4190

23 - *Liatas Kimmo*  
24 - *grey rock (part of) Kimmo*  
25 - *" " Hula*  
26 - *" " Hula*

22

COMPANY: R. TRIFAX  
PROJECT No: ITULA

MIN-EN LABS ICP REPORT  
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
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(ACT:GEO3) PAGE 2 OF 2  
FILE No: 3-311/A  
DATE: JUNE 2, 1983

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN
MINEN23/83	464	3	1500	176	1240	37	2	115	50	0	90.2	46
MINEN24/83	76	1	122	10	228	0	0	108	4	7	60.8	21
MINEN25/83	102	2	92	65	429	24	0	62	8	5	23.8	34
MINEN26/83	193	4	128	69	247	9	0	31	13	10	24.5	18

23 - *Liatas Kimmo*  
24 - *grey rock (part of) Kimmo*  
25 - *" " Hula*  
26 - *" " "*

COMPANY: R. TRIFAX  
PROJECT No:

MIN-EN LABS ICP REPORT  
WEST 15th ST., NORTH VANCOUVER, B.C. V7M  
(604)980-5814 OR (604)988-4524

(ACT:GEO3) PAGE 1 OF 2  
FILE No: 3-371/R  
DATE: JUNE 16, 1983

(REPORT VALUES IN PPM)	AG	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MG
MINEN-5583	0	34000	0	29	45	6900	0	45	241	178000	438	21200 <i>isa</i>
MINEN-6083	0	10100	215	21	63	462	10.5	27	182	224000	1410	1750 <i>Kimmo</i>
MINEN-4083	0	44200	0	35	40	5240	2.2	57	3	148000	29600	67300 <i>cr</i>
MINEN-4183	.1	7980	0	7	11	24200	6.1	59	12	36000	249	155000

55-83. *Ha. with cal from Trend - cariboo*  
60-83 *Kimmo-Breccia (alted)*  
40-83 *Creek 203. gneissic rock with spites (near skarn) Carib.*  
41-83 *Creek 3 = Skarn.*

24

COMPANY: R. TRIFAX  
PROJECT No:

MIN-EN LABS ICP REPORT  
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M  
(604)980-5814 OR (604)988-4524

(ACT:GEO3) PAGE 2 OF 2  
FILE No: 3-371/R  
DATE: JUNE 16, 1983

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN
MINEN-5583	56	976	2	472	3	1510	0	0	14	14	0	226.0
MINEN-6083	153	34	39	324	897	31	32	8	58	19	116.0	275
MINEN-4083	131	0	217	107	1680	0	0	17	25	0	164.0	9
MINEN-4183	413	0	44	913	0	52	2	77	0	0	34.6	0

*Min. ln. 60/83 - Kimmo claim - Breccia west of creek*

COMPANY: R. TRIFAX  
PROJECT No:

MIN-EN LABS ICP REPORT  
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M  
(604)980-5814 OR (604)988-4524

(ACT:GEO3) PAGE 1 OF 3  
FILE No: 3-351A  
DATE: JULY 25, 1983

(REPORT VALUES IN PPM)	AG	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MG
1000	2.2	4410	0	30	38	4860	13.4	82	25	51300	44	21000

*Uttaball. Kimmo incl. Cariboo*

25

COMPANY: R. TRIFAUX

MIN-EN LABS ICP REPORT

(ACT:60034-1) PAGE 2 OF 3

PROJECT No:

5 WEST 15th ST., NORTH VANCOUVER, B.C. V7M-1B3

FILE No: 3-551A

ATTENTION:

(604)980-5514 OR (604)986-4524

DATE: JULY 25, 1982 26

(REPORT VALUES IN PPM)	YR	MO	NA	NI	P	SB	SE	SP	TH	U	V	ZN
1 ROCK	554	0	0	1410	0	160	21	60	125	7	35.2	0

no 61/83 - ultrabasic on Kirino. NW. of diatase.

COMPANY: R. TRIFAUX

MIN-EN LABS ICP REPORT

(ACT:60034-1) PAGE 3 OF 3

PROJECT No:

5 WEST 15th ST., NORTH VANCOUVER, B.C. V7M-1B3

FILE No: 3-551A

ATTENTION:

(604)980-5514 OR (604)986-4524

DATE: JULY 25, 1982 27

(REPORT VALUES IN PPM)	SA	SE
1 ROCK	15	14

ultrabasic Kirino 1 - no 61/83

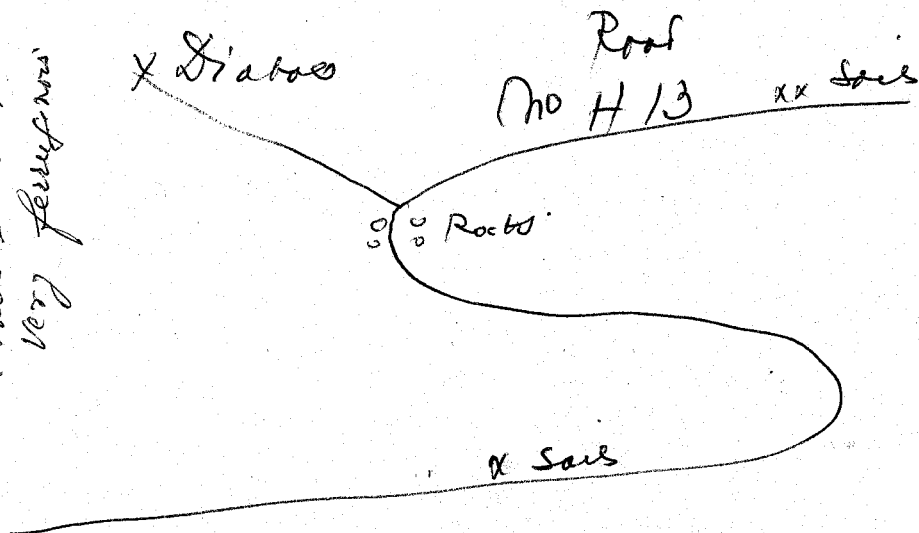
FILE NAME: 3-272  
 ACT NAME: GE03

DATE: MAY 20, 1983  
 COMPANY: R. TRIFAU  
 PROJECT:

--- CONCENTRATION IN PPM ---

	MIN-19-B 3	MIN-20-B 3	MIN-21-B 3	MIN-22-B 3
AG	.2	.2	3.3	.3
AL	45000	5250	1680	14800
AS	0	0	0	41
B	42	4	0	23
BI	16	9	1	36
CA	42400	772	530	4950
CD	2.1	1.2	1.0	9.6
CO	37	7	1	57
CU	47	40	22	25
FE	119000	36700	7110	124000
K	1670	946	454	1800
MG	18800	1800	928	44900
MN	614	97	32	1840
MO	0	2	1	12
NA	264	38	18	169
NI	139	19	13	404
P	1850	175	130	1000
PB	0	38	0	72
SB	0	0	0	17
SR	48	9	3	54
TH	8	13	1	36
U	0	0	0	17
V	176.0	12.7	29.1	66.4
ZN	63	41	36	43

WHP-CAL  
 (last quarry) quartzite east of hole  
 Black shale, last hole  
 Soil - close to 13H road.  
 Very ferruginous



COMPANY: R. TRIFAUX  
 PROJECT No: TULA  
 ATTENTION: R. TRIFAUX  
 (REPORT VALUES IN PPM)

MIN-EN LABS ICP REPORT  
 705 WEST 15th ST., NORTH VANCOUVER, B.C. IT2  
 (604)980-5814 OR (604)988-4524

(ACT:BE03A+) PAGE 1 OF 3  
 FILE No: 3-1290A  
 DATE: OCTOBER 26, 1983

	AS	AL	AS	B	BI	CA	CD	CO	CU	FE	K	ME
1-83	.3	22800	0	21	46	1640	3.3	13	18	64200	1980	11100
2-83	0	12800	0	14	41	316	.4	12	20	57400	2740	3300

x 1/83 oxidized rock from formation situated 40 m east of Tula Centre Post. (Mountain) Project no 3.

2/83 - oxidized (biotitic) rock situated 80 m east of Tula Centre Post. (Mountain) Project no 3

PROJECT No: 1 TULA  
 ATTENTION: R. TRIFAUX  
 (REPORT VALUES IN PPM)

705 WEST 15th ST., NORTH VANCOUVER, B.C. IT2  
 (604)980-5814 OR (604)988-4524

FILE No: 3-1290A  
 DATE: OCTOBER 26, 1983

	MN	NA	NI	P	PB	SB	SR	TH	U	V	ZN	
1-83	419	24	53	39	515	54	0	44	33	0	22.1	97
2-83	234	21	83	32	423	34	1	44	24	0	20.5	71

east Tula cl.

PROJECT No: 1 TULA  
 ATTENTION: R. TRIFAUX  
 (REPORT VALUES IN PPM)

705 WEST 15th ST., NORTH VANCOUVER, B.C. IT2  
 (604)980-5814 OR (604)988-4524

FILE No: 3-1290A  
 DATE: OCTOBER 26, 1983

	BA	SE
1-83	61	77
2-83	108	58

last Tula cl.

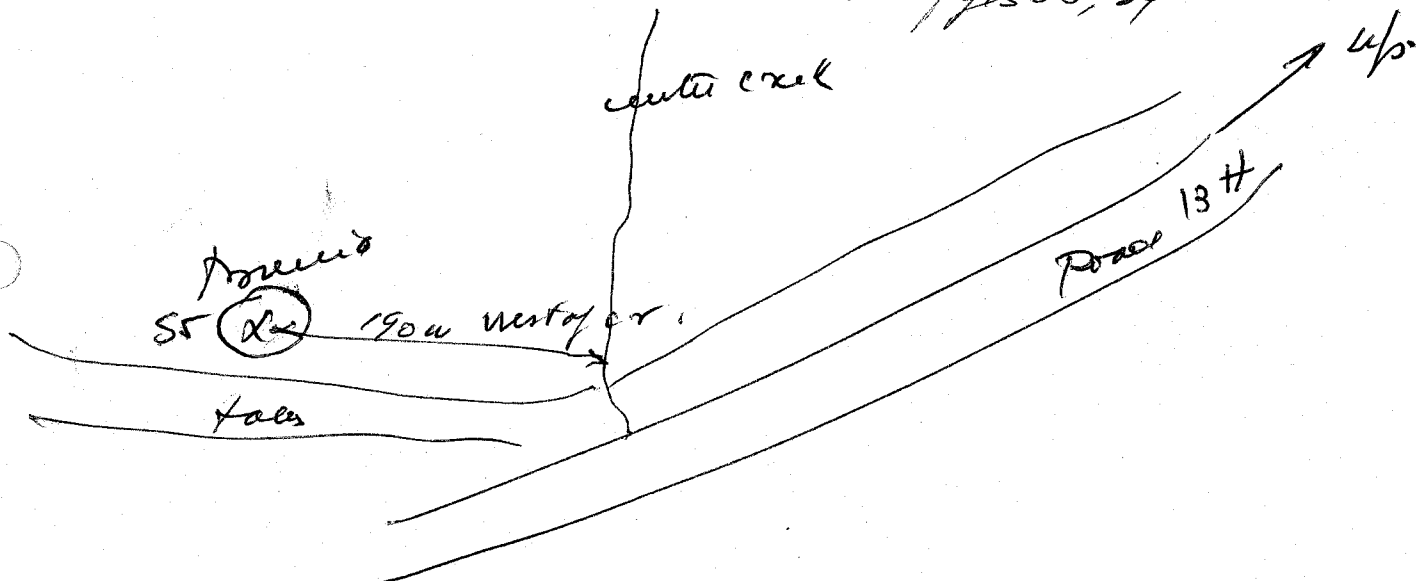
COMPANY: R. TRIFAUX  
 PROJECT No: NO.2 & NO.3  
 ATTENTION: R. TRIFAUX

MIN-EN LABS ICP REPORT  
 705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

32  
 (ACT:GEO3A+) PAGE 1 OF 3  
 FILE No: 3-1442R  
 DATE: NOVEMBER 29, 1983

(REPORT VALUES IN PPM)	AG	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MG
S3P3	.4	16400	49	17	0	919	3.0	9	17	68400	857	11300
S4P3	1.0	3660	80	5	0	177	1.0	5	27	27700	411	1200
S5P2	2.5	8130	551	32	105	820	8.2	38	42	174000	1390	2360

- Rock - S3. Hula } <sup>west</sup> 40 m. above center Post, andesitic form.  
 Biotite. quartz veinlets.
- Rock - S4. Hula } quarry along road. 150 to 200 m East of  
 Kimo cl. Bdz. 300 m south of center Post.
- Rock - S5. Kimo } center creek which contains feldspar.  
 Breccia - hematitic. platy.  
 close to BC no 3 - Stake no 1.  
 same location pgs 33, 34



COMPANY: R. TRIFAU  
 PROJECT No: NO.2 & NO.3  
 ATTENTION: R. TRIFAU

MIN-EN LABS ICP REPORT  
 705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

33  
 (ACT:GEO3A+) PAGE 2 OF 3  
 FILE No: 3-1442R  
 DATE: NOVEMBER 29, 1983

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN
S3P3	786	26	4	38	436	40	0	41	16	9	27.7	69
S4P3	189	3	0	22	172	41	3	18	11	24	17.1	37
S5P2	531	80	31	209	1120	107	43	73	52	56	75.0	1220

COMPANY: R. TRIFAU  
 PROJECT No: NO.2 & NO.3  
 ATTENTION: R. TRIFAU

MIN-EN LABS ICP REPORT  
 705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

34  
 (ACT:GEO3A+) PAGE 3 OF 3  
 FILE No: 3-1442R  
 DATE: NOVEMBER 29, 1983

(REPORT VALUES IN PPM)	BA	SE
S3P3	55	6
S4P3	18	5
S5P2	170	31

COMPANY: R. TRIFAU  
 PROJECT No: KIMO-1-CA  
 ATTENTION: R. TRIFAU

MIN-EN LABS ICP REPORT  
 705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

(ACT:GEO3A+) PAGE 1 OF 3  
 FILE No: 3-7645  
 DATE: AUGUST 25, 1983

(REPORT VALUES IN PPM)	AG	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MS
BL1NO.1	1.5	12100	101	12	32	3060	6.1	26	35	61900	341	10200
BL1NO.2	1.8	16100	66	15	34	2350	4.4	17	22	66400	340	6170
BL1NO.3	1.6	17600	77	15	32	3770	5.8	28	27	55600	568	10400
BL3NO.1A	1.8	23900	206	22	46	1980	9.4	47	78	107000	522	9620
NO.3X	1.6	18500	236	17	42	1980	10.6	34	56	77100	496	11000

BL1 - no.1 ✓ Sinter (Soils)  
 BL1 - no.2 ✓ Limonite (Soils)  
 BL1 - no.3 ✓ S. Sediments.

BL3 no.1A ✓ Gravels. Creek - east of auto creek.  
 no.3X ✓ Quarry - rock.

BL2 no.2A ✓ Breccia (west of auto creek)

BL1 no.1A ✓ Silicified & altered rock west of auto creek

3Y - Quarry - silts.

3Z - Quarry - big quartz with pyrites.

(REPORT VALUES IN PPM)	AG	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MS
BL2ND.2A	2.1	9330	525	25	86	362	16.1	30	238	253000	652	1290
BL1ND.1A	1.3	4520	68	6	26	1160	3.7	16	14	34400	425	1030
NO.3Y	2.1	2220	43	1	18	150	.5	3	16	20400	518	323
NO.3Z	.5	3360	59	3	20	64	2.9	7	24	25400	68	901

2-2A - Breccia  
 1-1A - West of centre creek  
 3Y - Quarry - schists  
 3Z - " - sup quartz with pyrites

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN
BL1ND.1	556	17	49	169	901	64	5	51	19	8	129.0	80
BL1ND.2	277	14	37	71	1510	42	1	49	15	5	134.0	79
BL1ND.3	960	18	74	214	774	49	3	63	18	13	119.0	90
BL3ND.1A	1090	31	61	217	1070	108	7	122	22	12	211.0	137
NO.3X	748	23	65	199	802	86	8	71	25	10	124.0	100

BL1 - Sinter  
 2 - Limonite - soils  
 3 - Stream sediment  
 3-1A - Gravels. creek 1 - east of centre cr.  
 No 3X - Quarry on road to Hula cl.

all KIMD cl

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN
BL2ND.2A	407	78	20	146	1270	147	39	111	37	21	317.0	296
BL1ND.1A	739	9	47	142	842	33	8	22	11	13	39.5	48
NO.3Y	66	1	168	13	122	10	0	19	11	21	29.3	2
NO.3Z	119	6	19	13	176	14	5	28	8	4	23.5	3

Same location as 35A.

(REPORT VALUES IN PPM)	BA	SE	AU-PPB	HG-PPB
BL1ND.1	69	141	20	
BL1ND.2	73	119	10	35
BL1ND.3	118	125	10	70
BL3ND.1A	160	215	20	
NO.3X	81	200	5	

BL1 - Sinter  
 2 - Limonite  
 3 - Stream sediment cr  
 3-1A - Gravels - creek 1 - east of centre cr  
 no 3X - quarry on road to Hula cl.

(REPORT VALUES IN PPM)	BA	SE	AU-PPB	HG-PPB
BL2ND.2A	214	588	5	60
BL1ND.1A	145	96	15	
NO.3Y	43	0	10	
NO.3Z	22	61	5	15

Same location as page 35A.

## Sovereign Group of Claims.1983-1984.

=====

Kimo,Itula and Tom claims.(only)

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Summary of Costs

Time: 183,5 hours at 10\$.....	\$ 1835,00
Meals: 53 @ 5,00\$.....	265.00
Mileage:3576 miles @ 0,30¢.....	1,072.80
Lodging: 31 days at different rates.....	1,021.48
Laboratory costs for geochemistry.....	465,20
Miscellaneous expenses,.....	1,436.42
	<hr/>
Total.....	<u><u>6,095.90</u></u>

Note:the miscellaneous expenses are including:Tags ,(for staking)  
 Photocopies of maps,papers;litterature,buying of maps,  
 meals on road,trips to post Office,Laboratories,Geological  
 surveys,Libraries,correspondences,report,copies of docu-  
 -ments for report,stationery,recording of claims,Covers  
 for reports,Tools,fees for associations in Canada,etc...

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Sovereign Group of claims. 1983-1984Cariboo Mining District.

## Time, Mileage and Meals.

Dates	Descriptions of works.	:Time : Hrs	: Miles : Km	: Meals : nos
19-3-83	Trip to Quesnel.	9	680	2
20-3-83	Reconnaissance of the areas to prospect, access roads; heavy snow still on the slopes. I found several heavily oxidized rock on the 13H road which I collected. They contained pyrites and sulphides. Sent to Min-En Lab. for analysis. Cut the tree for legal post for Kimo claims and affixed Tag 64078 at 9AM on this date.			
21-3-83	Heavy snow fell on the forestry road, unable to go on the sites. return to Coquitlam.	8	120	3
5-4-83	Sunny and windy. Trip to Quesnel.	9	680	2
6-4-83	continued reconnaissance prospecting. Staked Kimo claims: discovered a huge area of oxidized and altered materials (gossans), plus kaolinitic clays in different places; end of the ultrabasic body of the Do-Do cr:	8.5	120	3
7-4-83	Heavy snow on the forestry road. to 8" on the Swift River road. Snow melted later with sunny skies.	2	80	
8-4-83	Staking-Reconnaissance prospecting, creek with ultrabasic boulders, schists, quartz etc.. west part of the claims. samples taking.	8	120	3
9-4-83	Staking. Prospecting-Samples taking. Discovery of diabase same nature as the one in the Do-Do cr and Cr. 3. It gives a length of 3.5 km to the diabase in this area. (sulphides in diabase).	8.5	120	3
10-4-83	Discovery of schists (grey phyllites) close to diabase. Boulders containing muscovite and biotite with irridescent colouring. Staking.	8.5	120	3
11-4-83	Staking. Discovery of a limonitic gossan on several parts of the claims. samples taken, analyzed by Min-EN Laboratories.	8.5	120	
12-4-83	Staking. Discovery of black shales on road going to the source of Sovereign creek. (arsenic on shale	8.5	120	3
13-4-83	Finished staking the Kimo claims at 3.30pm. Also staked the Tom claim, tag 65470. samples taken on road going to the Sovereign source.	8.5	120	
14-4-83	Return to Coquitlam.	9	680	2
13-5-83	Trip to Quesnel.	9	680	2
14-5-83	Prospecting the right bank of Sovereign creek on Kimo claims.. above logging road. Discovery of quartz veins, schists, quartz monzonite,. Started the staking of Itula claims (4 units) east of Kimo claims. at 10AM. Same L.P. as Kimo cl. near km. sign Post 1319. sample taking in quarry. Itula claim tag no 16201.	8.5	120	3
15-5-83	Staking Itula claims. Prospecting the area. sample taking. (Phyllites to the east.) This day I took also samples on diabase in Do-Do cr. will be shown in another report.	6.5	120	3
	Totals next page.			

Sovereign Group of Claims, 1983-1984

Cariboo Mining District.

Time, Mileage, & Meals.

Dates	Descriptions of works.	Time Hrs.	Miles	Meals
May 16th	Final corner Post of Itula claims on left bank of Sovereign creek, near logging road. Prospecting samples taking Kimo and Itula claims.	3.5	60km	1
Jun 7-83	Reconnaissance of upper part of the body on Kimo claims for outcrops in ultrabasics and schists.	4.0	60K	1
July-7	Return from Calgary through Quesnel. Kimo claims, prospecting West side of the claims where I discovered a huge trust fault in creek no 8. on top of the ultrabasic. Took samples in the boulders Fault direction 45 degrees N.W. approx.	9.0	120km	3
Aug-8-83	Trip to Quesnel.	-	-	-
Aug-9-83	Kimo claims, Diabase, digging and eliminating boulders in creek sea ching for diabase boulders. Prospecting ultrabasic and schists.	9.5	120k	3
Aug-10-83	Plotting of lines for geochemical survey, Lines BL1-BL2-BL3-BL4-BL5-Pits at 50 meters, Horizon B or A&B, depth to 50cms, Lines at 50 meters.	9.5	120	3
Aug-11-83	Tom Claim prospecting, Discovery of new breccia and samples taking, second breccia in this area is situated at 300 m. (approx) from L.P. (east). This breccia has same texture than the one discovered on the Do-DO creek but elements are bigger.	9.0	120	3
Aug 14-83	Kimo and Tom claims, Prospecting, Discovery of vein of hornblendewith sulphides! close to 2nd breccia. Diggings in boulders, sample taking.	10.0	120	3
Aug 29-83	T. return to Coquitlam.	9.0	680	2
	Totals.	183.5	6080	53

Time: 183.5hrs X 10.00\$ = .....\$ 1835.00  
Mileage: 6080kms:1,7= 3576 miles X 0,30\$ ..... 1072.80  
Meals. 53 X 5,00\$ = ..... 265,00  
Total on Sovereign group of claims ..... 3172,80

Assessment Works for The Sovereign Group of Claims in the Cariboo Mining Division of British Columbia.

STATEMENT OF AUALIFICATIONS

EXPLORATION AND MINING.

Education: Mining School of Chatelet, Belgium, 2 years, 1 diploma.  
Mining and Survey school of Tamines, Belgium, 2 years, 1 diploma.  
University of Charleroi, Belgium, Mathematics, Sciences, Mining, 1 year, 1 Certificate.

The diplomas and Certificate were presented to the Cariboo Mining Division with my 1977-1978 Statement of Works in the Quesnel Area, they are not repeated here.

I passed the test for identification of rocks and minerals with a Geologist from the B.C. Government in 1978, in Vancouver.

I had a extensive experience in prospecting and mining with the following Companies in Africa (Zaire, Ruanda-Burundi.)-

- 1-La Compagnie Miniere des Grands Lacs Africains, Brussels, Belgium.
- 2-La Compagnie MIRUDI, Brussels, Belgium. (affiliated to the above).
- 3-Explorations Minières, in Central Africa. Henrion, Busoro, Ruanda.
- 4-De Borchgrave Tin Company, Kigali, Ruanda.

I prospected the granitic massifs of Ruanda-Burundi, for tin, Tantalite, Columbite, gold.

I described my methods of exploring in the 1977-78 report, related to the distances of the lines and pits in flying prospecting and the systematic works. I did the topographical maps, locations of deposits, calculations of reserves based on influences zones, described nature and rocks formations and researched the extensions of deposits in terraces. I opened several mines in placer gold, tin, tantalum, beryllium and was successful in increasing the reserves and in places the method of exploitation.

I started prospecting in British Columbia in 1959, for gold in the Cariboo. I evaluated a placer on the Quesnel River for a Company. To day I explore in the Cariboo, New Westminster mining Division.

I di my geochemical samplings for my reconnaissance and orientation works and organize my acyivities according to the results of such analyzes in geochemistry.

I keep informed, as a prospector by the acquisitions of exploring and mining litteratures produced by the Department of Mines in Victoria, the Geological Survey of Canada; I am affiliated to the Canadien Institute of Mining and Metallurgy, receive the Engineering and Mining Journal from the States, buy newspapers related to the mines and explorations.

I consult professionals and use the equipment available to prospectors in this country; topolite, Geiger counter, mineral light, stereoscope, aerial map reading from Ottawa; I pan the gravels for gold and other minerals.

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93 A

Quesnel Lake map - B.C.  
Scale 1:125,000 (Mile)  
Edition 2

1:250,000



# Beal-Rock Geology

## TRIASSIC AND JURASSIC

### Norian and (?) Younger

○ KJb augite porphyry basalt breccia, minor flows, tuff and tuffaceous argillite; local andesitic basalt

○ KJa basaltic tuff and breccia, generally fine-grained; argillite, flows, chert

### TRIASSIC

### Upper Triassic Karnian and (?) Norian

○ uKa1 phyllite, argillite, slaty argillite, quartzite, schist, minor greenstone (subgreenschist to greenschist facies of metamorphism) uKa1g; conglomerate

○ uKa3 undivided uKa1 and greenstone, augite-porphyry breccia, tuff breccia, tuff; possible dykes and sills (greenschist facies metamorphism)

### PALEOZOIC OR MESOZOIC

○ PMub serpentinite, peridotite; same as MPAU

### MISSISSIPPIAN?, PENNSYLVANIAN AND PERMIAN

MPa Antler Formation: MPAV; diorite, basalt, serpentinite, undifferentiated MPAs, MPAs; olive and grey chert, black green slate, greywacke MPAU; serpentinite, sheared mafic

### MISSISSIPPIAN ? TO PERMIAN ?

MPR Ramos Creek Succession: olive and grey micaceous quartzite, phyllite and slate, limestone, metatuff? MPRa; phyllite, quartzite, calc-silicate rocks MPRc; limestone, calcareous quartzite, phyllite MPRp; black siltite and slate, may be equivalent to DMS. MPRs; green olive and grey slate and phyllite MPRv; olive-grey greywacke, may be in part equivalent to Hq.

MPDM Dragon Mountain Succession: olive and grey micaceous quartzite and phyllite

MPt Tom Creek Succession: olive grey micaceous quartzite, phyllite and schist

MPD Downey Creek Succession: olive and grey micaceous quartzite, phyllite, grey olive and green slate, limestone, marble, MPDc; limestone, marble, metatuff?, slate

MPa amphibolite

MPs dark grey sandy limestone, dark grey greywacke

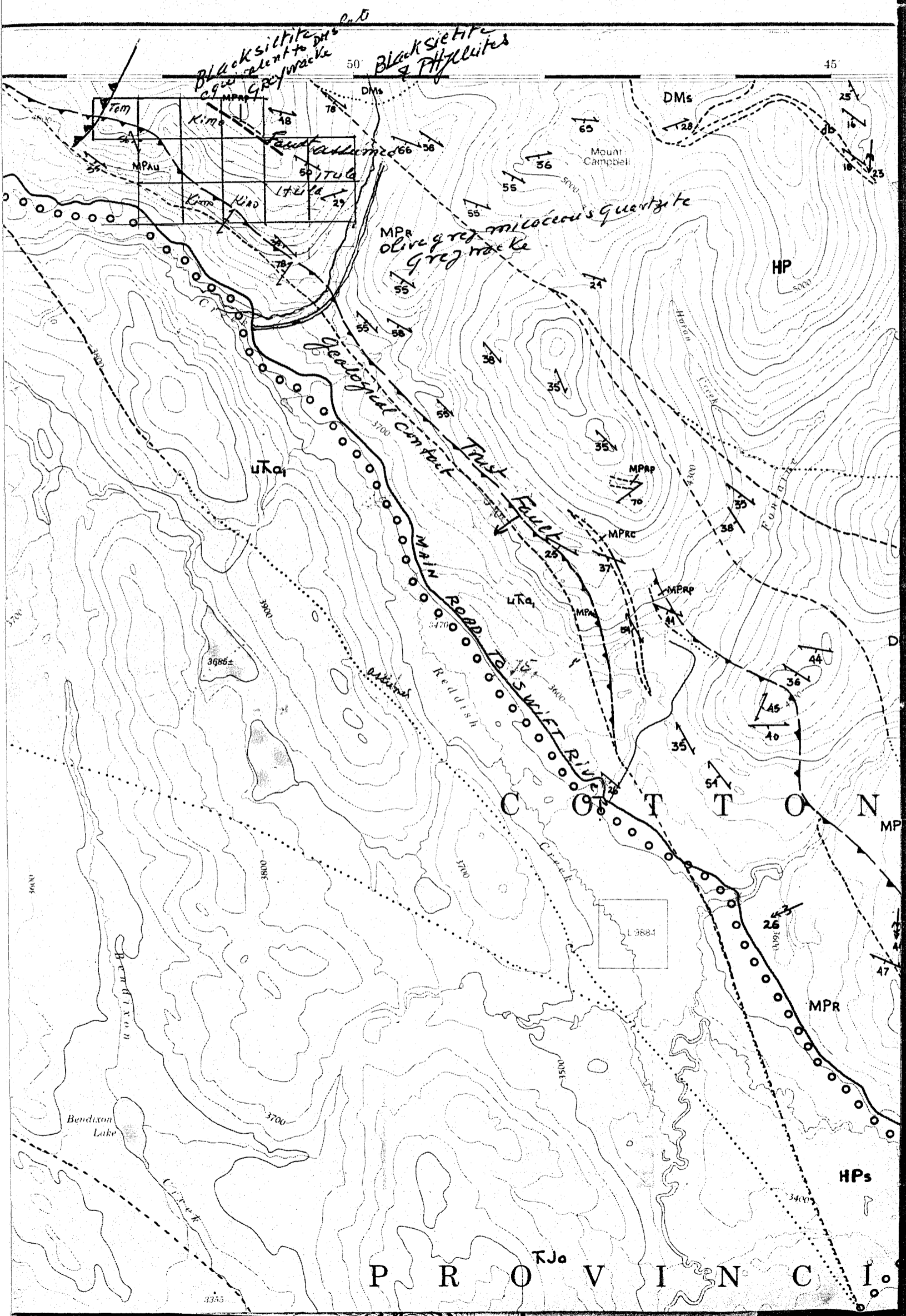
MPv foliated diorite and augite porphyry basalt, gabbroic rocks, includes undifferentiated db

### DEVONIAN ? AND MISSISSIPPIAN ?

DMS black siltite and phyllite, grey micaceous quartzite, limestone, minor metatuff? DMSb; greywacke, muddy conglomerate DMSg; clast conglomerate, quartzite DMSc; limestone, minor dolomite DMSd; grey micaceous quartzite, dark grey phyllite. DMSs; minor conglomerate DMSv; interbedded grey slate and green siltite in part calcareous

Bed-Rock Geology - claims location.  
 map no O.F. 58 - Geological Survey of Canada.

map no 4



map no 3

CANADA  
DEPARTMENT OF MINES AND RESOURCES

MINES AND GEOLOGY BRANCH  
BUREAU OF GEOLOGY AND TOPOGRAPHY

*Chiaz Creek*  
*Map 564 A.*

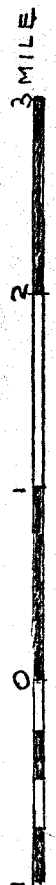
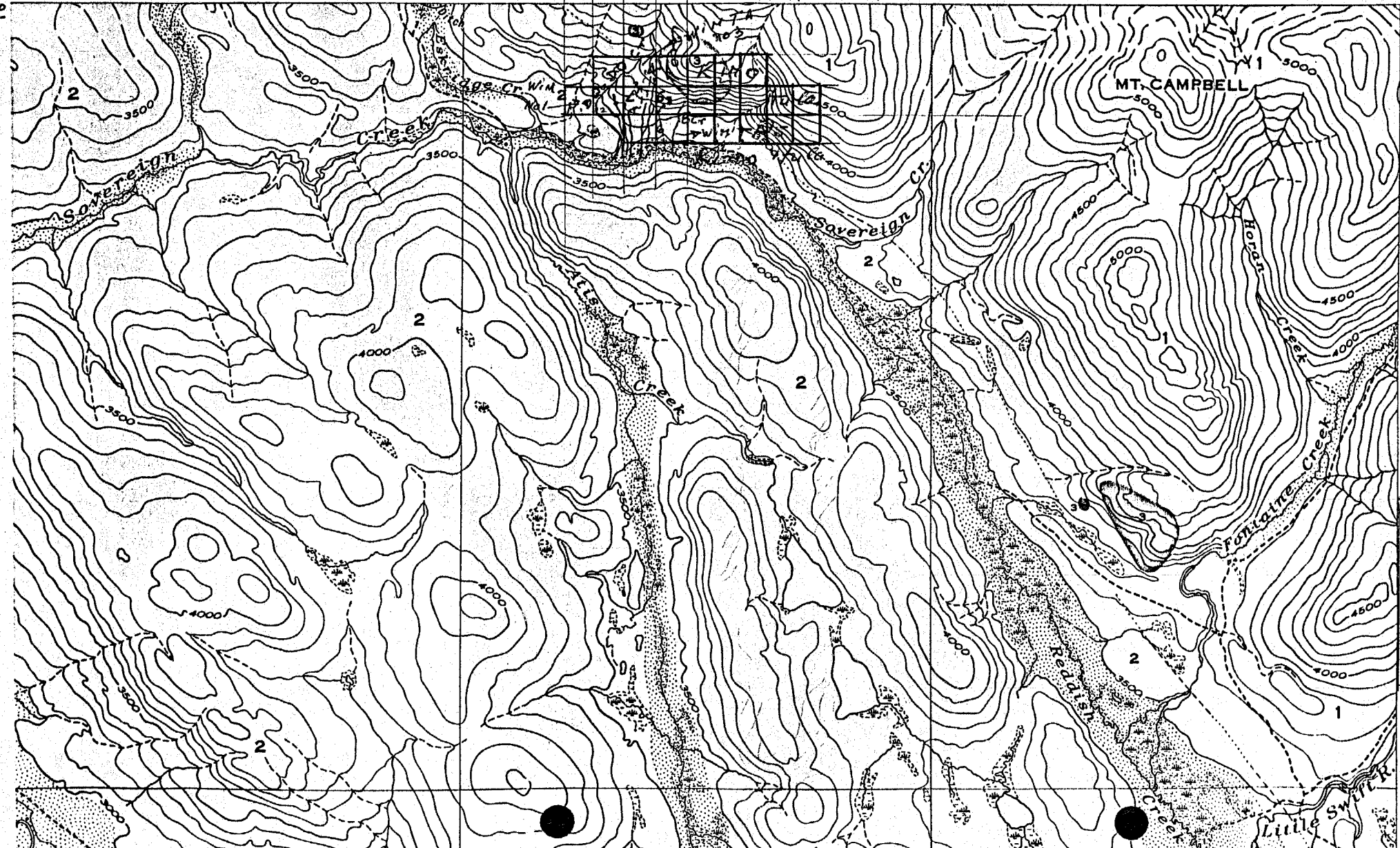
122°0' GEOLOGICAL SURVEY

55' Joins Map 335A, "Willow River Sheet, (West Half)" 50'

121°45'

53°

53°00'



MAP 564  
 CHIAZ  
 SCALE 1/63,360  
 1 INCH TO 1 MILE  
 CLAIMS & C  
 LOCATION.

*[Handwritten signature]*

55'

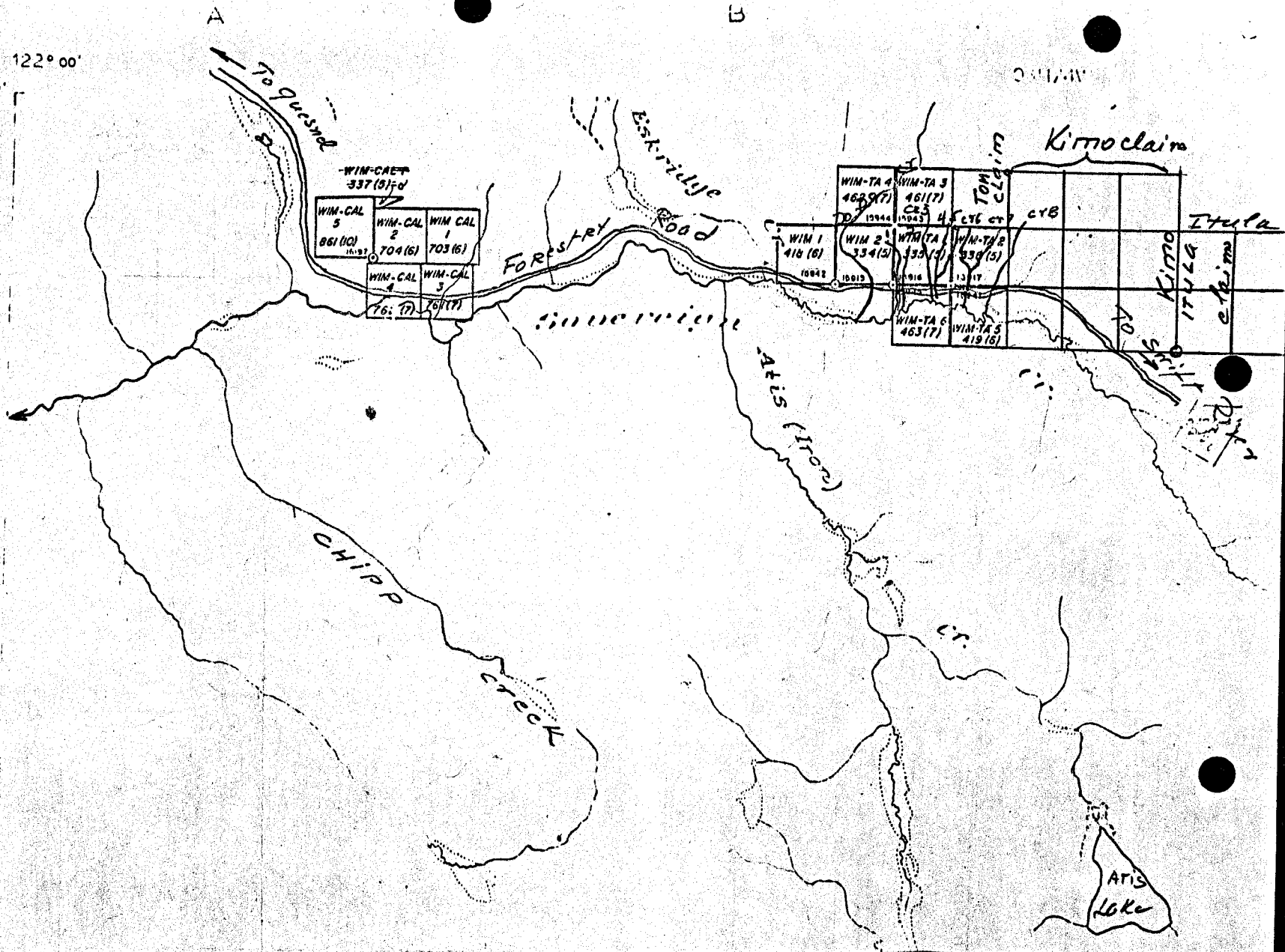
No.

M 93A/13W

(FOR PLACER SEE P 93A/13W)

122° 00'

53° 00'



**Legend**

claims location.

creeks location

SCALE 1/50,000

0 500 1000 3000 Metres

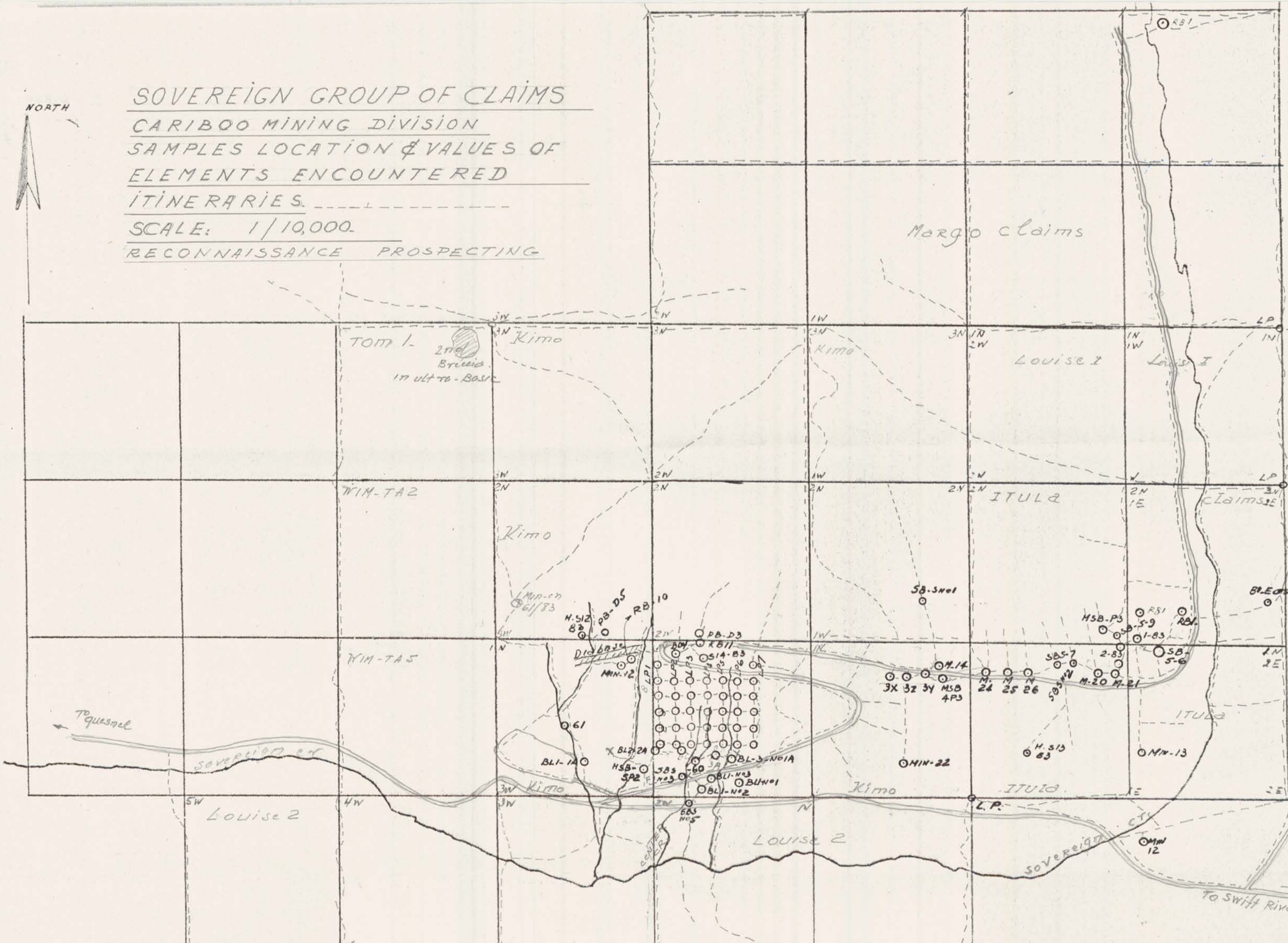
*Stanley HARRIS*



SOVEREIGN GROUP OF CLAIMS  
 CARIBOO MINING DIVISION  
 SAMPLES LOCATION & VALUES OF  
 ELEMENTS ENCOUNTERED  
 ITINERARIES

SCALE: 1/10,000.

RECONNAISSANCE PROSPECTING



SAMPLES LOCATION, ELEMENTS IN ANALYSES (PPM-PB%)

REMARKS

SAMPLE Nos	ANALYTICAL REPORTS	Ag	As	Bi	Cd	Co	Cu	Mo	Ni	Pb	V	Zn	Se	Au	Hg	REMARKS
SB-5-7-	123-3620.						21	2								R THE SAMPLES TAKEN ON BL LINES IT07 HAVE BEEN ONLY PARTIALLY ANALYSED.
SM-034	223-1487.						7									R LINES BL1, 2, 3, ANALYSES SHOW ANOMALOUS READINGS IN Ag, As, Bi, Cd, Pb, Se (in soils).
SM-041-	123-3571.						79									R
SB-S-1-	"						88	6								R ROCK SAMPLES 3X, 3Y, 3Z, ALSO ARE FERRIC SHOWING THE SAME ANOMALOUS READINGS AS IN SOILS (etc...)
" S-2-	"						41	2								R
" S-3-	"						19	2								R
" S-4-	"						74	9								R THE BRECCIA IS ANOMALOUS IN AREAS, ALSO IN Ag, As, Bi, Cd, Pb, Se - Zn
B-10	123-3484						42	4								R
B-11	"						27	2								R
PBD-3	123-0519						40	2						50		R S - SOILS -
" -4	"						8		2	2		9	50			R F - FERRICRATE -
" -5	"						23	34	82	26		76	102			R B - BRECCIA - X
R. 65958	123-0462						18	26	142	7		60	50			R R - ROCK -
MINEN 12	3-195	2.0	0	26	22	29	34	7	83	25	114	74				R SS - STREAM SEDIMENTS
" 13	"	1.1	32	2	1.0	3	6	13	8	3	274	28				R
" 14	"	.7	0	11	0	8	14	0	10	2	77	32				R
" 23	3-311	0	0	20	27	28	72	3	176	37	90	46				R
" 24	"	.1	0	8	0	9	26	1	10	0	60	21				R
" 25	"	.1	0	8	.4	34	71	2	65	24	23	34				R
" 26	"	.2	0	12	.6	33	76	4	69	9	24	18				R
" 60	3-371	0	215	63	10.5	27	132	34	324	31	116	275	5			R Breccia
" 22	3-272	.3					57	25	12	404	72	66	43	5		R Soils
" 20	"	.2	0	9	1.2	7	40	2	19	38	12	41				R
" 21	"	3.3	0	1	1.0	1	22	1	13	0	29	36				R
" 1	3-1290A	.3	41	36	3.6	57	25	12	404	72	66	43				R
" 1-2	"	0	0	41	.4	12	20	21	32	34	20	71				R
MSP-3-3	3-1442A	4	49	0	3.0	9	17	26	38	40	27	69	6			R
MSP-4-3	"	1.0	80	0	1.0	5	27	3	22	41	17	37	5			R
BL1-1	3-784S	1.5	101	32	6.1	26	35	17	169	64	29	80	141			R Sinter
" 1-2	"	1.8	66	34	4.4	17	22	14	71	42	134	79	119			R 35 S
" 1-3	"	1.6	77	32	5.8	28	27	18	214	49	119	90	125			R 70 S.S.
" 1-1A	"	1.3	68	26	3.7	16	14	9	142	33	39	48	96			R Gravels
" 2-2A	"	2.1	525	86	16.1	30	238	78	146	147	317	296	588			R 60 Breccia
" 3-14	"	1.8	206	46	9.4	47	78	31	217	108	211	137	215			R Gravel
M3-X	"	1.6	236	42	10.6	34	56	23	199	86	124	100	200			R
M3-Y	"	2.1	43	18	.5	3	16	1	13	10	29	2	0			R
M3-Z	"	.5	59	20	2.9	7	24	6	13	14	23	3	61			R 15 R
SS-P2	3-1442R	2.5	551	105	8.2	38	42	80	209	107	75	1220	31			R Breccia
SB-5-6	123-3630						24	1								R
SB-5-9	"						22	1								R
BL-ITULA	123-3484						54	2								R
BL-EAST	"						5	2								R

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

12,266

April 13, 1984.  
 J. J. Faux

may 1985