

MAP NO.: 105 C 14  
ASSESSMENT REPORT X  
PROSPECTUS  
CONFIDENTIAL X  
OPEN FILE

DOCUMENT NO: 092698  
MINING DISTRICT: Whitehorse  
TYPE OF WORK: Geochemical

REPORT FILED UNDER: Drew MacDonald

DATE PERFORMED: June<sup>1-3</sup>, September<sup>7-9</sup>, 1988

DATE FILED: 24 January, 1989

LOCATION: LAT.: 60 55'N

AREA: Quiet Lake

LONG.: 133 03'W

VALUE \$: 1300.00

CLAIM NAME & NO.: PGMC 1-4 (YB08974-7); QUIET 7-10, 21-22 (YB13918-21, YB13932-3)

WORK DONE BY: Drew MacDonald

WORK DONE FOR: Drew MacDonald

DATE TO GOOD STANDING:

REMARKS: #17 LINDSAY

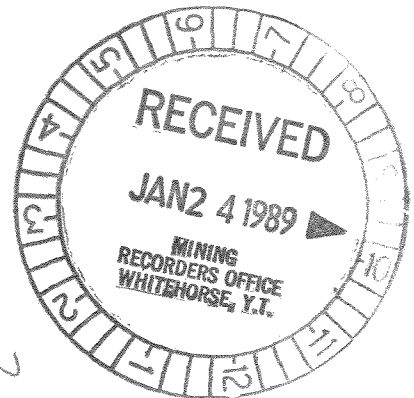
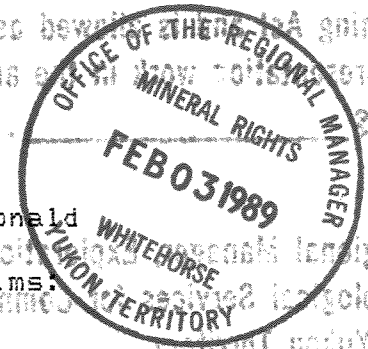
In 1988, outcrops and stream sediments were sampled along Quiet Creek. Two silt samples contained 459 and 175 ppb Au and peridotite samples contained up to 1600 ppm Ni.

THE QUIET CLAIM GROUP  
QUIET LAKE AREA  
NTS 105 C - 14

January 17, 1989 D. MacDonald

For assessment work on the following claims:

FGMC 1-4	YB08974-YB08977
QUIET 7-10	YB13918-YB13921
QUIET 21 & 22	YB13932&YB13933



WORK PERFORMED

JUNE 1-3, 1988

SEPT 7-9 1988

ONE MAN

TWO MEN

002698

This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ ~~1300.00~~ .

*fa*  
  
Regional Manager, Exploration and  
Geological Services for Commissioner,  
of Yukon Territory.

8 0 0 5 0 0

## INTRODUCTION

In June and September 1988, outcrop mapping and stream sediment sampling were conducted on the Quiet claim group. A grid running roughly N - S with crosslines at 800 foot intervals (cut by Newmont Mining, a previous operator) was used to tie in outcrop occurrences. Stream sediment samples were taken, starting where Quiet Creek enters the claim group (#2 Post, Quiet #22) and then at 200 metre intervals downstream until the stream left the claim group.

## GEOLOGY

Outcrop in the area is sparse, occurring mainly along either side of Quiet Creek. Overburden consists mainly of well bedded gravels, sands and clays. To the north and northwest, the overburden is relatively shallow (several to ten feet in depth); well to the south and southeast in the north-south trending valley of Quiet Lake, the overburden is quite deep, probably 100 to 150 feet in depth.

The oldest rocks found in the area are schists and gneisses of the Big Salmon (?) (Unit 1) complex. These are found approximately 200 metres upstream from the claim group. Here, the contact is sharp with no visible chill margins and without noticeable mineralogical alteration of the gneisses by the ultramafic body. The contact dips 30 degrees to the east and strikes 150 degrees. Folding of the gneisses are evident and occur within 3 - 4 metres of the contact. The ultramafics (Unit 2) that appear to intrude the schists and gneisses are composed of peridotite, serpentinite,

steatite and possibly some dunitite. The rocks that are exposed along the banks of Quiet Creek are locally fractured with talc occurring along the fractures. The serpentinite and peridotite contain abundant accessory magnetite and is probably the cause of the significant magnetic anomaly on the government aeromagnetic map of the area. As well as containing abundant magnetite, these rocks also contain finely disseminated pyrite, pyrrhotite and pentlandite (?). These sulphides may amount up to 0.25 % of the rocks and occur in several locations along the stream.

Stream sediment samples were taken and screened to minus 80 mesh and then analysed for "Pt + 6", [platinum, palladium, gold, nickel, copper, cobalt and chromium (Pt, Pd, Au, Ni, Cu, Co, Cr)]. Anomalous values in gold were obtained in two samples:

QSS 2 (175 ppb Au) and QSS 6 (459 ppb Au), while anomalous values in platinum were obtained in only sample QSS 6 (50 ppb Pt). Rock samples taken generally show high nickel values: 1200 to 1600 PPM nickel, (Ni) and low values in copper and precious metals.

#### CONCLUSIONS

The property is extensively covered with overburden making geological mapping non-productive. Further exploration of the property would be best done by the use of geophysical techniques. Specifically, VLF-EM to delineate conductors and a magnetometer survey to outline the size of the ultramafic body. This work should then be followed by backhoe and/or bulldozer trenching where applicable. Diamond drilling would be required to explore anomalies found under deep overburden.

## RECOMMENDATIONS

1. VLF-EM and magnetometer surveys be conducted to determine structure and locate anomalies for further exploration.
2. Stream sediment and rock sampling be done on 30 metre spacings along Quiet Creek. Anomalous values should be followed up by grid soil sampling.
3. Backhoe and/or bulldozer trenching be used to expose anomalies located under shallow overburden; with diamond drilling being used to explore anomalies found under deeper overburden.

## STATEMENT OF COSTS

Assaying	\$	383.25
Labour	\$	600.00
Food and Lodging	\$	102.50
		-----
Total	\$	1,585.75

## STATEMENT OF QUALIFICATIONS

I, Drew MacDonald, of Whitehorse, Yukon have spent six years prospecting for both myself and exploration companies in the Yukon. This work consisted of performing geophysical, geochemical and geological surveys.

I am a graduate of the Yukon Chamber of Mines Basic and Advanced Prospecting Courses.

*Drew MacDonald*

Drew MacDonald



REPORT: V88-03982.0

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Pt PPB	Pd PPB	Au PPB	Co PPM	Cu PPM	Ni PPM	Cr PPM
S1 QSS1		<15	4	<5	8	24	63	350
S1 QSS2		25	<2	175	6	14	33	300
S1 QSS3		<15	2	<5	6	18	64	200
S1 QSS4		30	2	<5	7	16	38	250
S1 QSS5		15	2	<5	6	16	36	150
S1 QSS6		35	<2	459	5	16	32	300
S1 SSS1		30	4	16	9	24	126	350
S1 SSS2		40	4	<5	10	26	126	350
R2 QR1		50	4	<5	70	<1	1600	2250
R2 QR2		25	2	5	56	2	1500	2600

SAMPLE NUMBER	ELEMENT UNITS	Pt PPB	Pd PPB	Au PPB	Co PPM	Cr PPM	Cu PPM	Ni PPM	Sb PPM	Au 311g PPB	Ag PPM	As PPM
S1 QSS7		<15	10	13	8	33	21	40				
S1 QSS8		<15	10	6	7	32	18	40				
S1 QSS9		<15	8	13	8	32	21	43				
S1 QSS10		<15	6	6	7	32	16	38				
S1 QSS11		<15	6	11	7	30	17	38				
S1 QSS12		<15	4	8	6	30	17	36				
S1 QSS13		<15	4	7	7	34	16	40				
S1 QSS14		<15	4	5	7	31	18	41				
S1 QSS15		<15	8	<5	7	32	19	43				
S1 QSS16		<15	10	6	7	37	16	48				
S1 QSS17		<15	10	5	7	31	16	39				
S1 QSS18		<15	10	46	7	40	17	43				

SAMPLE NUMBER	ELEMENT UNITS	Pt PPB	Pd PPB	Au PPB	Co PPM	Cr PPM	Cu PPM	Ni PPM
S1 QSS2		20	6	13	4	31	16	35
S1 QSS6		20	6	9	8	31	16	35
R2 QR1		<15	6	8	67	605	5	1768

REPORT: V88-07905.1

PROJECT: NONE GIVEN

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM
R2 QR3		<1.0	<50	48	10	<4.0	<5	<1	<5	79	127	11
R2 QR4		<0.9	<50	38	5	<4.0	<5	<1	<5	61	366	15
R2 QR5		<0.7	<50	4	6	<4.0	<5	<1	<5	53	264	11
R2 QR6		<0.5	<50	48	12	<4.0	<5	<1	<5	44	100	5
R2 QR7		<0.5	<50	35	3	<4.0	<5	<1	<5	73	139	5

R2 QR8		<0.5	<50	35	5	<4.0	<5	<1	<5	59	404	4
R2 QR9		<0.5	<50	30	2	<4.0	<5	<1	<5	56	319	4
R2 QR10		1.6	<50	<2	99	<4.0	<5	<1	65	6	43	28
R2 QR11		0.5	<50	3	6	<4.0	<5	<1	<5	58	167	8

SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM
R2 QR3		<2	1	2	<5	10	1772	<10	<50	<5	3.0	133
R2 QR4		<2	2	1	<5	9	1352	<10	<50	<5	3.0	131
R2 QR5		<2	1	<1	<5	9	1211	<10	<50	<5	2.0	140
R2 QR6		<2	<1	<1	<5	6	873	<10	<50	<5	2.0	92
R2 QR7		<2	<1	<1	<5	6	1564	<10	<50	<5	4.0	126

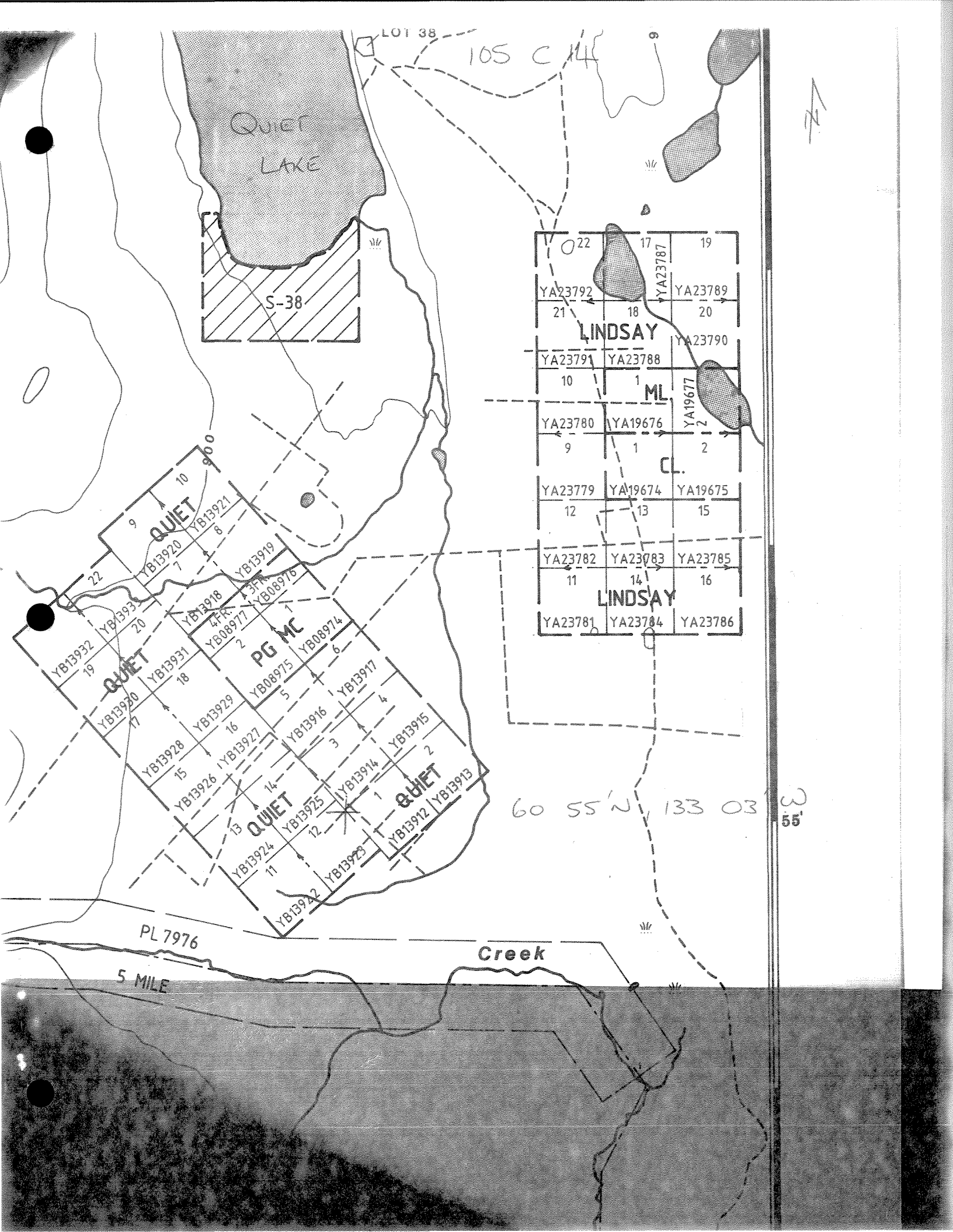
R2 QR8		<2	<1	1	<5	5	1405	<10	<50	<5	3.0	77
R2 QR9		<2	<1	<1	<5	5	1289	<10	<50	<5	3.0	84
R2 QR10		5	30	1	<5	5	37	16	<50	<5	1.0	<30
R2 QR11		<2	<1	<1	<5	5	1023	<10	<50	<5	2.0	57
P4 BR3A		9	6	21	<5	7	3	<10	<50	<5	5.0	<30

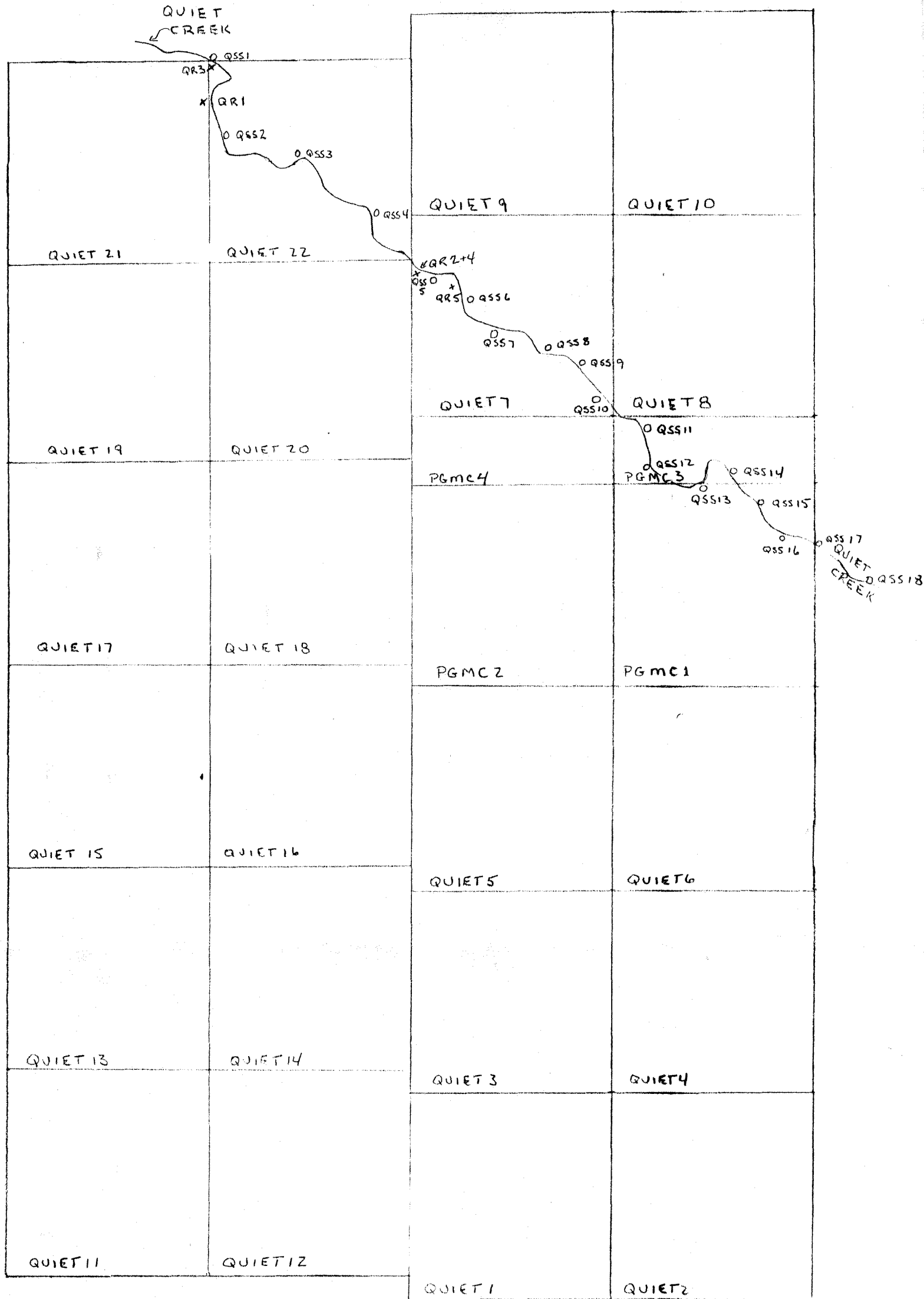
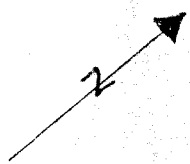
SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM	Al2O3 PCT	CaO PCT
R2 QR3		6	<10	<20	<20	4	<10	<1	16	<1	0.15	0.64
R2 QR4		9	<10	<20	<20	4	<10	<1	12	<1		
R2 QR5		48	<10	<20	<20	4	<10	<1	112	<1		
R2 QR6		5	<10	<20	<20	3	<10	<1	10	<1		
R2 QR7		5	<10	<20	<20	3	<10	<1	12	<1		

R2 QR8		2	<10	<20	<20	6	<10	<1	7	<1		
R2 QR9		4	<10	<20	<20	6	<10	<1	9	<1		
R2 QR10		18	<10	<20	<20	8	<10	4	26	<1		
R2 QR11		9	<10	<20	<20	5	<10	<1	9	<1	0.31	0.44
P4 BR3A		92	<10	<20	<20	136	<10	8	67	<1		

SAMPLE NUMBER	ELEMENT UNITS	Pd PPR	Au PPR	Ni PPM	Cu PPM	Co PPM	Cr PPM	S PCT
R2 QR3								0.10
R2 QR11								0.03

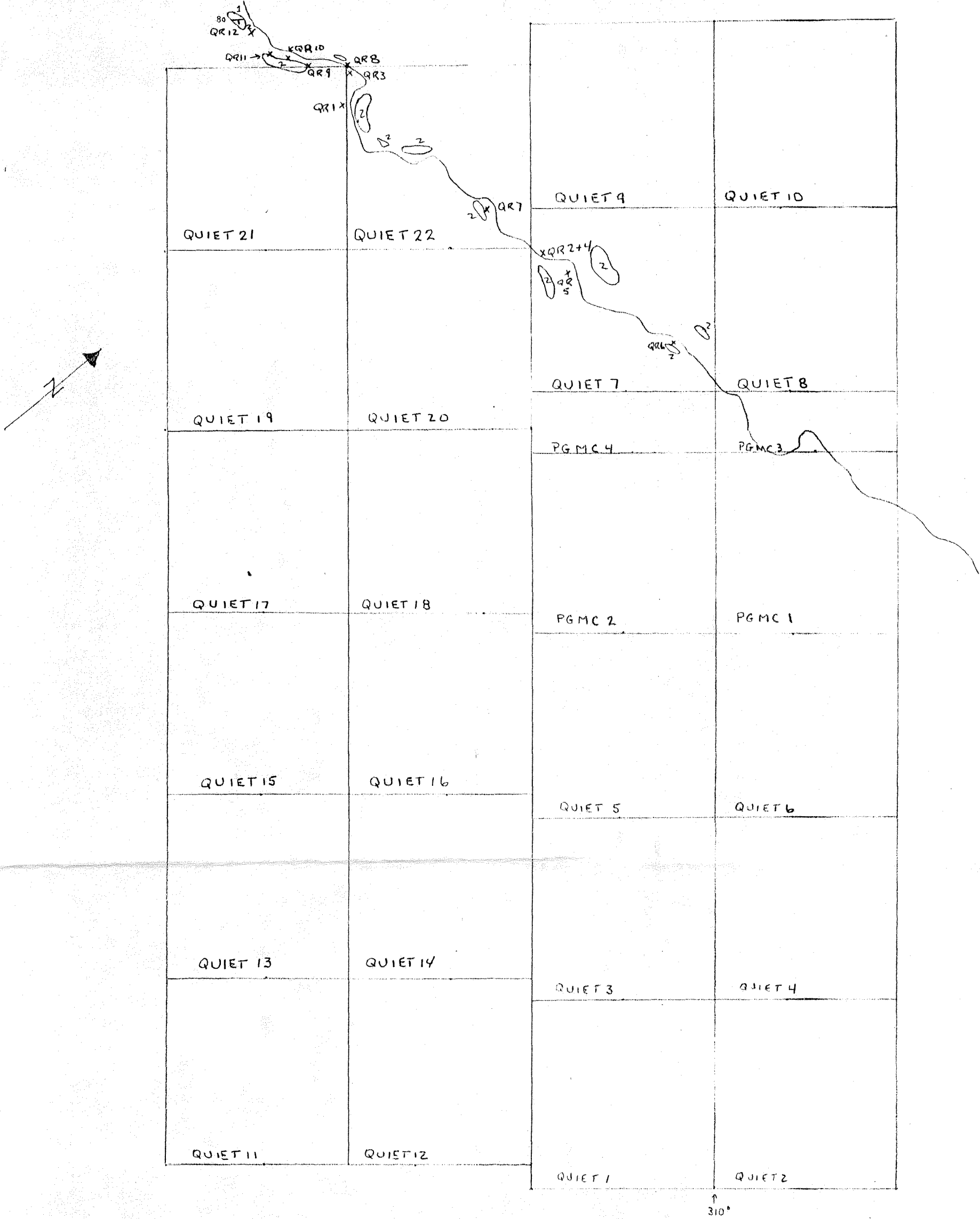
SAMPLE NUMBER	ELEMENT UNITS	Fe2O3 PCT	K2O PCT	LOI PCT	HgO PCT	MnO PCT	Na2O PCT	P2O5 PCT	SiO2 PCT	TiO2 PCT	Totals PCT	Pt PPM
R2 QR3		6.43	0.01	14.71	41.58	0.11	0.01	0.04	36.10	0.01	99.79	
R2 QR11		7.13	0.01	14.66	39.88	0.08	0.01	0.03	37.28	0.01	99.84	





O STREAM SEDIMENT SAMPLE LOCATION  
 X ROCK SAMPLE LOCATION

QUIET CLAIM GROUP  
 105 C 14  
 SCALE 1 CM = 100 M  
 JAN 19, 1989



GEOLOGY AND ROCK SAMPLE LOCATIONS QUIET CLAIMS

- OUTCROP
- GNEISS
- ▣ SERPENTINITE, PERIDOTITE, STEATITE
- X ROCK SAMPLE LOCATIONS

QUIET CLAIM GROUP  
 105 C 14  
 SCALE 1 CM = 100 M  
 JAN 19, 1989