MAP NO.: 115 B 16	**ASSESSMENT REPORT** X **PROSPECTUS** **CONFIDENTIAL** X **OPEN FILE**	**DOCUMENT NO:** 092811 **MINING DISTRICT:** Whitehorse **TYPE OF WORK:** Blast trenching	

REPORT FILED UNDER: R. Stack

DATE PERFORMED: 30 August-7 September, 1989 **DATE FILED:** 29 January, 1990

LOCATION: **LAT.:** 60°54'N **AREA:** Silver Creek

LONG.: 138°22'W **VALUE $:** 3 750.00

CLAIM NAME & NO.: KINCORA 1-30(YB13934-963)

WORK DONE BY: R. Stack

WORK DONE FOR: R. Stack

DATE TO GOOD STANDING:

REMARKS: #12 KINCORA
Chalcopyrite, tetrahedrite and sphalerite occur in a stockwork of quartz vains cutting siliceous brecciated limestone at the head of Silver Creek. The veins occur in the axis of an isoclinal anticline cut by a north-trending cross fault. They vary from 0.15 to 0.6 m wide. Grab samples from a blast trench assayed up to 750.8 g/t Ag, 16.1% Cu and 8.0% Zn. Anomalous gold values up to 150 ppb Au were also recorded.

ASSESSMENT REPORT

ON THE

KINCORA 1 - 30 MINERAL CLAIMS

KLUANE RANGE

WHITEHORSE MINING DISTRICT

092811

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 $3 750.00.

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

ASSESSMENT REPORT

ON THE

KINCORA 1 - 30 MINERAL CLAIMS

YB13934 - YB13963

NTS 115-B-16

WHITEHORSE MINING DISTRICT

LATITUDE 60°54'N, LONGITUDE 138°22'W

By:

R. Stack
September 1988
June 1989

Table of Contents

List of Figures

List of Tables

Introduction

The Kincora 1 - 30 claims were staked to cover a Cu-Ag occurrence located on the headwaters of Silver Creek which flows into Kluane Lake.

The writer conducted geological investigations and general prospecting on the Kincora property between August 30, 1988 and September 7, 1988. A Cu-Zn occurrence and several minor Cu showings were located during the 1988 exploration season.

B. Harris, G. Davidson and the author performed blast trenching and further prospecting on these showings during June of 1989. This report describes the results of the prospecting and trenching.

Location and Access

The Kincora 1 - 30 mineral claims are located at 6500' elevation in the headwaters of Silver Creek at latitude 60°54'N by longitude 138°22'W in the southwest portion of the Yukon Territory. The claims are situated five miles south of milepost 1050 on the Alaska Highway.

The property is accessible by helicopter from the town of Haines Junction, 30 miles to the southeast. An old packhorse trail leads from Christmas Creek on the Alaska Highway to the claim area and a four wheel drive road could be constructed along the Silver Creek Valley.

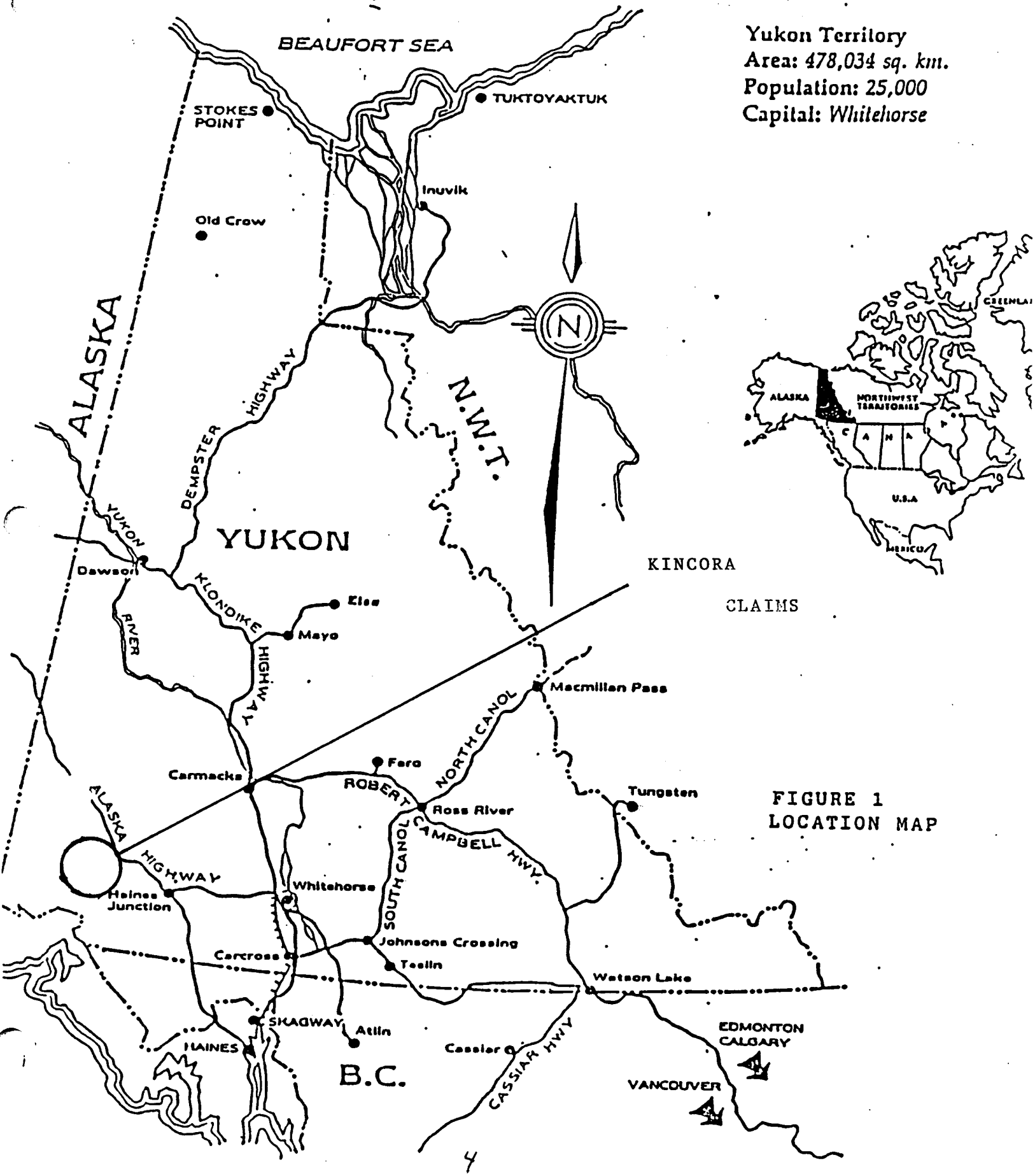
Physiography and Climate

The Kincora property is situated in the western system of the Canadian Cordillera. The St. Elias Mountains of south western Yukon include the Kluane Ranges and Duke Depression. The property lies on the northern boundary of the Kluane Ranges, in a narrow front ridge rising steeply above the Shakwak Valley. The slopes of the Kluane Ranges are steep and uniform with long straight talus screes and a series of high parallel ridges connected by smoothly undulating saddles.

The claim group is located on the eastern flank of a 8500 foot mountain dividing the west and south forks of Silver Creek. A large terminal moraine occupies the valley of the south fork.

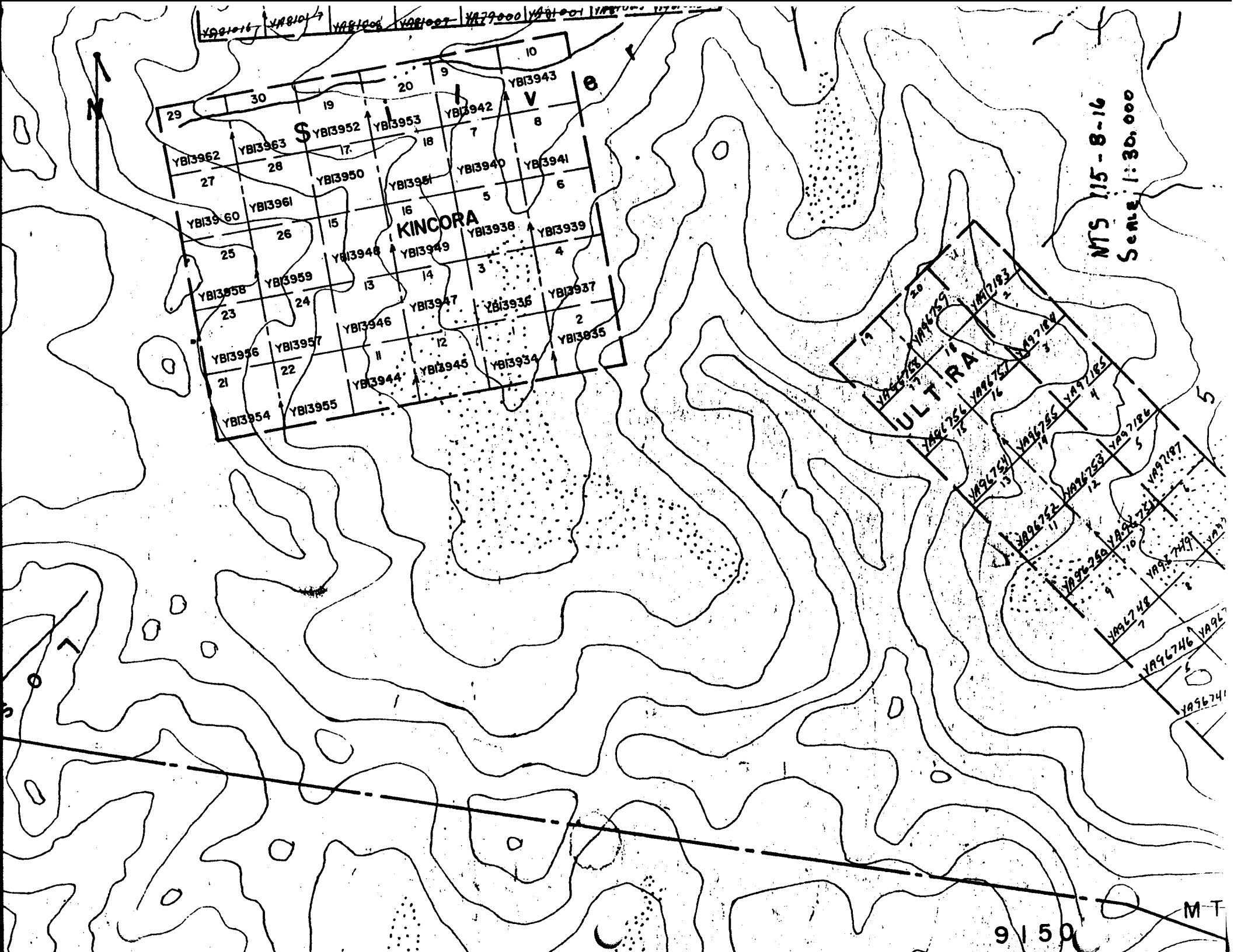
The property is above treeline and only sparse grass covers the floor of the Silver Creek Valley.

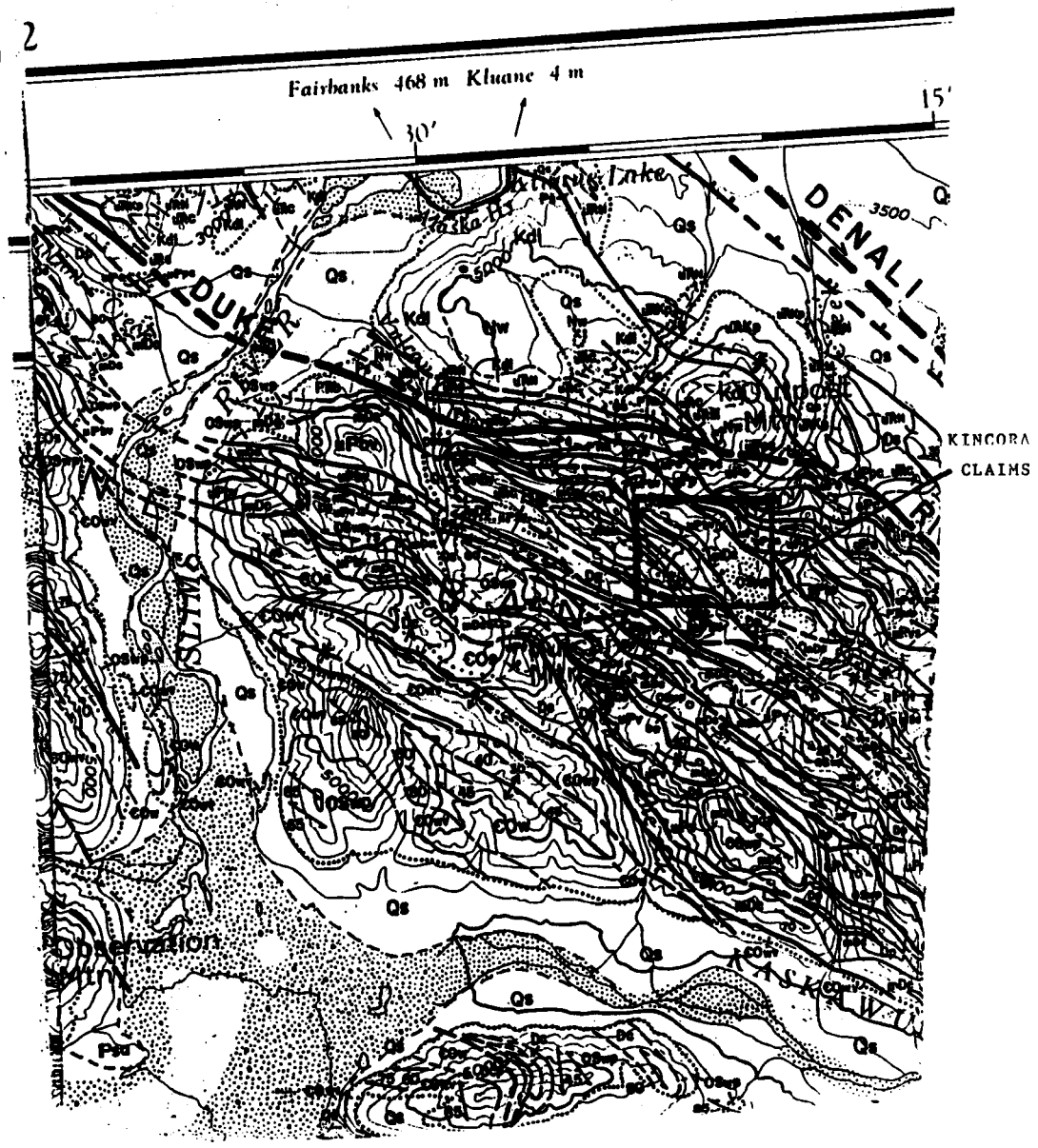
The Silver Creek area is shielded from the Pacific Ocean by the St. Elias Mountains and has a dry continental climate despite the proximity of tidewater. Summers are short and hot with temperatures up to 25°C, while winters are long and cold with temperatures ranging to -50°C. The exploration season extends from June to mid-September.



Yukon Territory
Area: *478,034 sq. km.*
Population: *25,000*
Capital: *Whitehorse*

FIGURE 1
LOCATION MAP


KINCORA
ULTIRA
NTS 115-8-16
Scale 1:30,000
9150



REGIONAL GEOLOGY

NTS 115 B
SCALE 1:125,000

LEGEND

WRANGELLIA TERRAIN

CRETACEOUS

- Kdi — HORNBLENDE DIORITE TO QUARTZ DIORITE, FINE TO MEDIUM GRAINED.

UPPER TRIASSIC

- uTRN — NIKOLAI GREENSTONE: VESICULAR TO AMYGDALOIDAL BASIC AGGLOMERATE.
- uTRC — CHITISTONE LIMESTONE
- uTRM — MCCARTHY FORMATION: ARGILLACEOUS LIMESTONE

ALEXANDER TERRAIN

TRIASSIC?

- pTrb — FINE GRAINED MAFIC SILLS AND DYKES

PALEOZOIC

- uPPe — DARK GREY TO BROWN ARGILLITE, CALCAREOUS ARGILLATE AND THIN BEDDED LIMESTONE.
- uPe — WHITE GYPSUM AND ANHYDRITE
- uPc — BUFF TO GREY LIMESTONE, THINLY BEDDED W/INTERBEDDED ARGILLITE, LIMESTONE BRECCIA.
- uPp — BLACK ARGILLITE, MINOR LIMESTONE
- OSwp — GREEN-BROWN PHYLLITE, MINOR GREYWACKE & ARGILLITE INTERBEDS, OFTEN CONTAINING DISSEMINATED EUHEDRAL PYRITE; QUARTZ VEINING COMMON.

SYMBOLS

- GEOLOGICAL BOUNDARY DEFINED: ——————
- APPROX: — — — —
- ASSUMED: . . . . . .
- HIGH-ANGLE FAULT DEFINED: ——————
- APPROX: — — — —
- ASSUMED: . . . . . .
- FOLD: ANTICLINE ↕
- SYNCLINE ✳
- BEDDING: STRIKE/DIP 60
- FOLIATION; CLEAVAGE: STRIKE/DIP 160°

Property

The Kincora 1 - 30 claims were recorded in June 1988 in the office of the Whitehorse Mining District Recorder by the owner, R. Stack of Whitehorse, Yukon. An expiry date of September 10, 1990 has been requested for the claims.

History

The Kluane area was first explored for placer gold in the early 1900's and several strikes were made on Silver Creek and neighbouring streams. There were reports of wire silver nuggets being found in the sluice boxes of the Silver Creek placers. Silver Creek, at the east end of Kluane Lake, was the centre for the miners having a post office, N.W.M.P detachment and a mining recorder.

The Kincora claim area was staked in 1984 by J. Hill. Sampling and prospecting of the Cu-Ag showing on the property was carried on to 1987 at which time the claims lapsed.

Noranda Exploration Ltd. carried out a silt sampling and prospecting program on the Klu claim group located on Outpost Mountain to the west of Silver Creek and adjacent to the Kincora property. Several Cu, Zn-Pb, Ag anomalies were discovered in the 1984 season, however, no follow up work was done on these results.

Geology

The Kincora property is located in the Wrangellian terrain bounded to the north by the Shakwak-Denali-Dalton fault system and to the south by the Duke River fault.

The claims comprise a fault complicated assemblage of Triassic Chitistone and McCarthy limestone and carbonates and shales of indeterminate age, disrupted by several higher angle northwesterly trending faults.

Mineralization

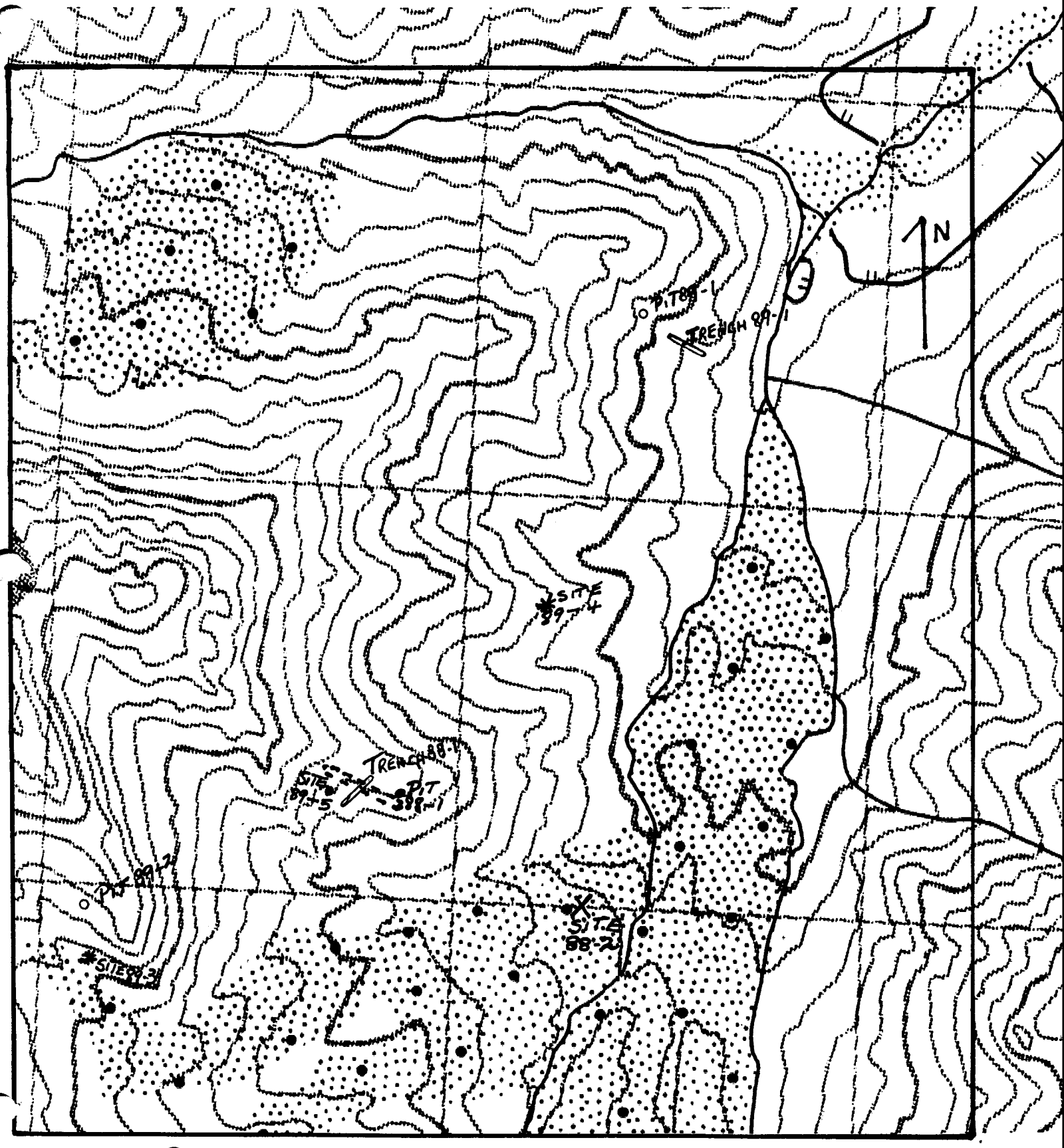
Copper, silver and zinc mineralization are developed in a stockwork of quartz-carbonate veins cutting a siliceous, brecciated limestone knoll on the west bank on Silver Creek at 6500' elevation. The stockwork area is approximately 120' thick, 200' wide and 1200' thick. This stockwork zone appears to be part of an overturned fold in the limestone and this area is cut by a north-trending cross fault. The quartz stockwork includes veins from 6" to 24" carrying significant amounts of chalcopyrite, tetrahedrite, pyrite, and galena. Trench 88-1 (see figure 4).

A second zone of copper-zinc mineralization occurs at the north-east corner of the claim block on a low ridge west of Silver Creek. Trench 89-1 (see figure 4)

This showing occurs in a north-west trending shear cutting siliceous dolomite and is composed of a quartz, sphalerite and pyrite breccia. It is 3′ to 4′ at the trench site and narrows to a series of parallel veins towards the northwest, and is covered by overburden to the southeast as it strikes up the Silver Creek Valley.

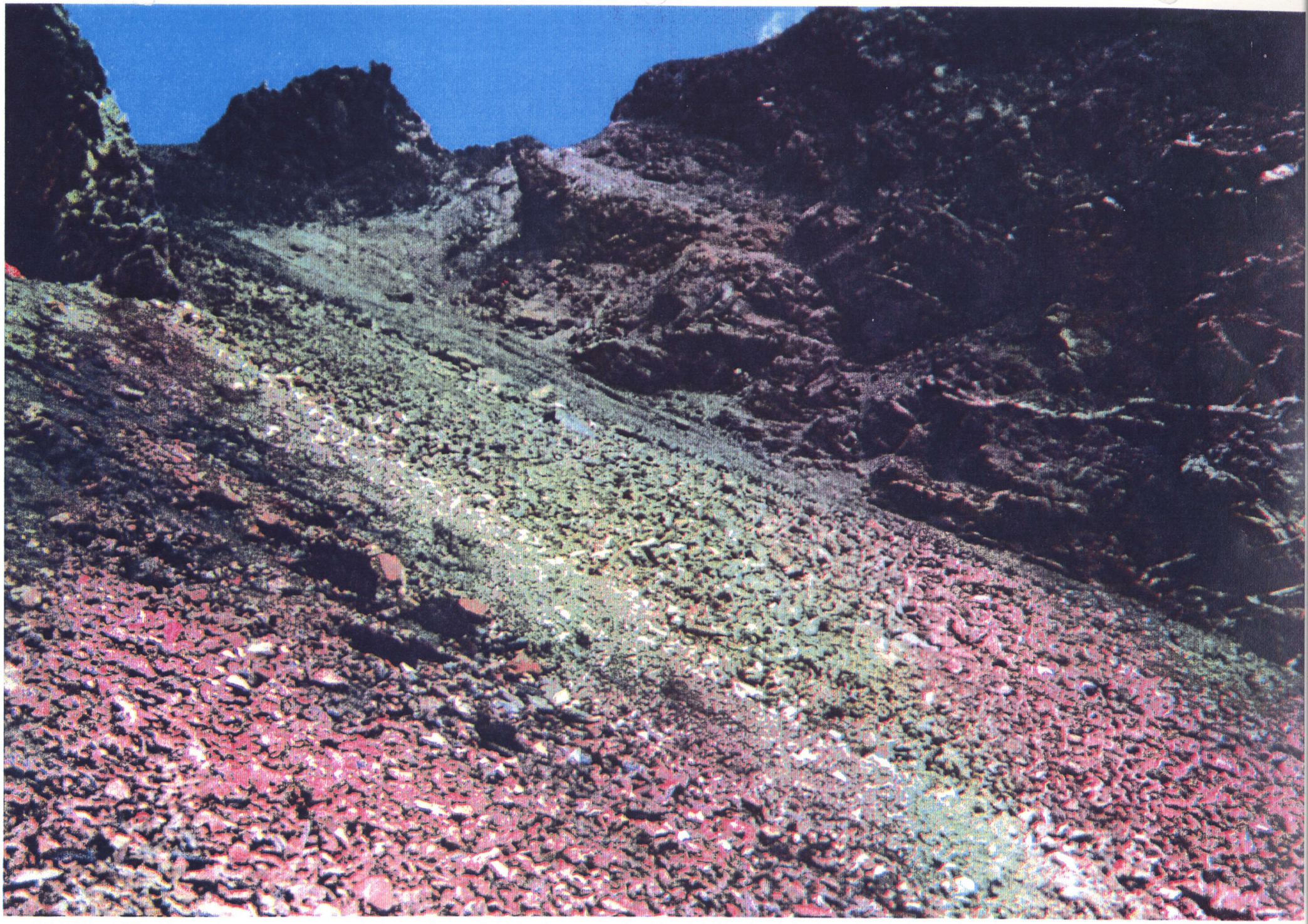
A zone of crushed quartzite and pyrite was discovered 120′ to the west of the above Cu-Zn showing and tested with a blast pit. Pit 89-1 (see fig 4).

Two Cu showings were located in the southwest area of the claim block and hand trenching and sampling were carried out. These showings also occur along a northwest trending shear cutting both the phyllite and shale units. Pit 89-2, Pit 89-3 (see figure 4).

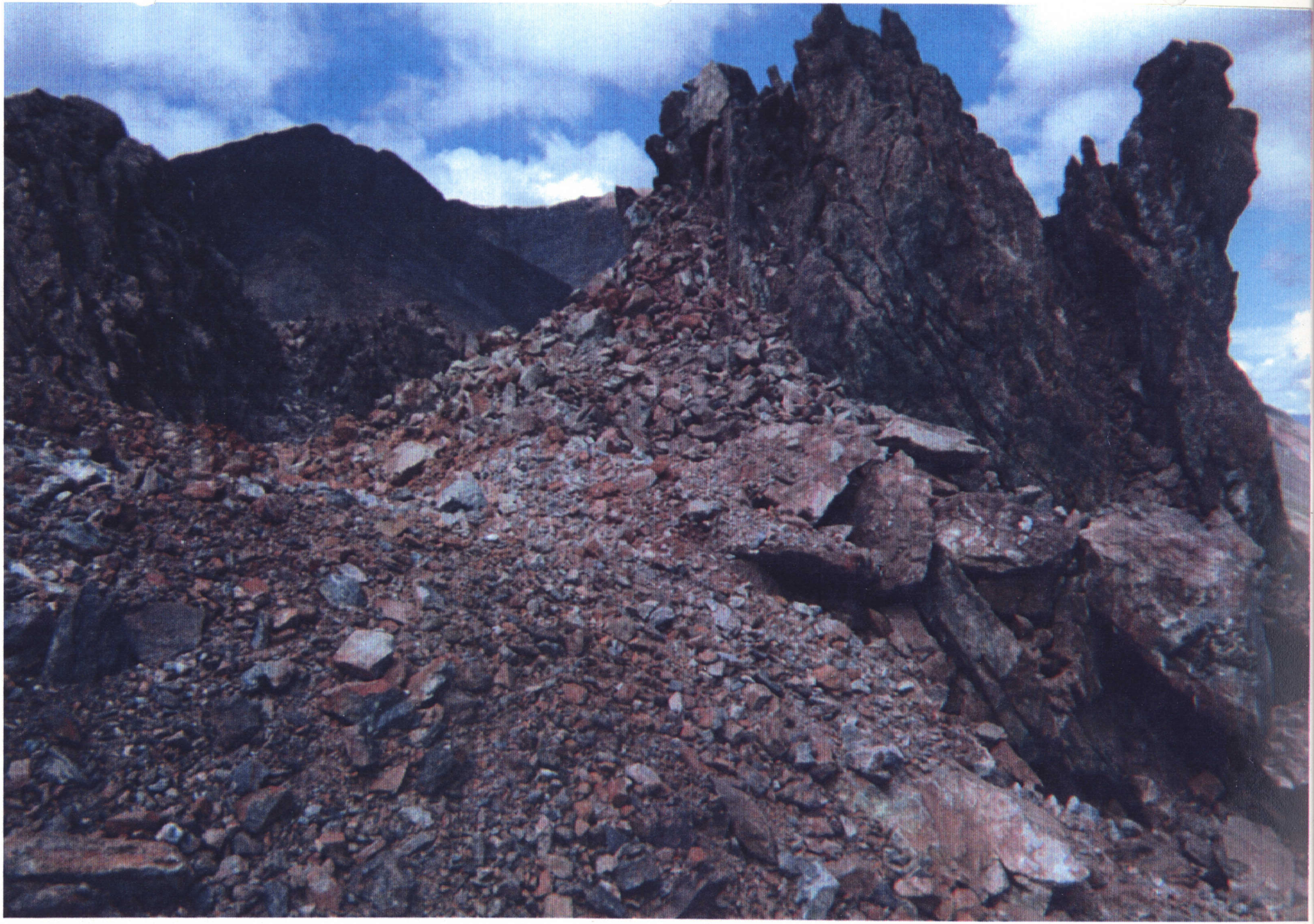


PROPERTY BOUNDARY

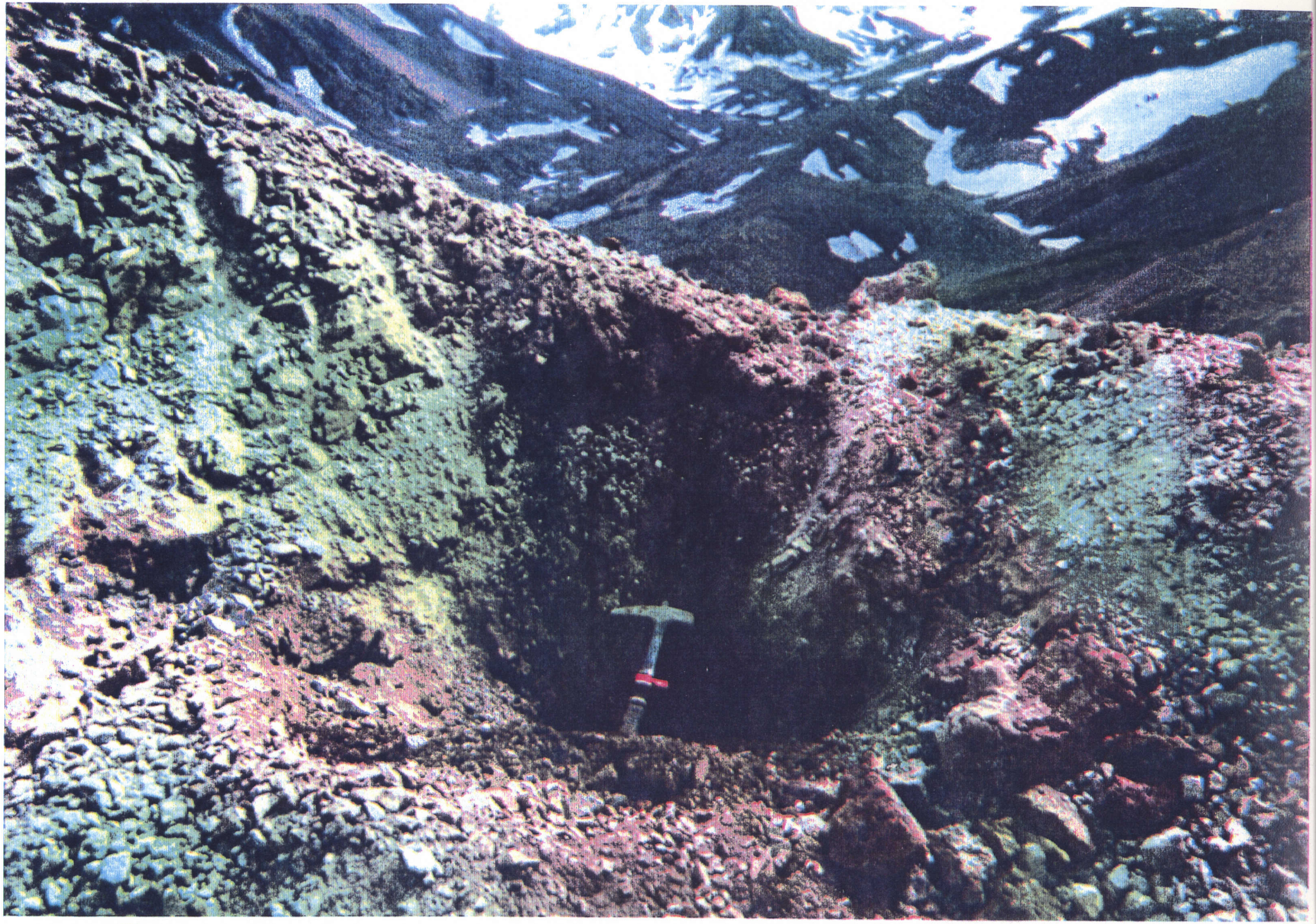
TRENCH 88-1 VIEW FROM SOUTH



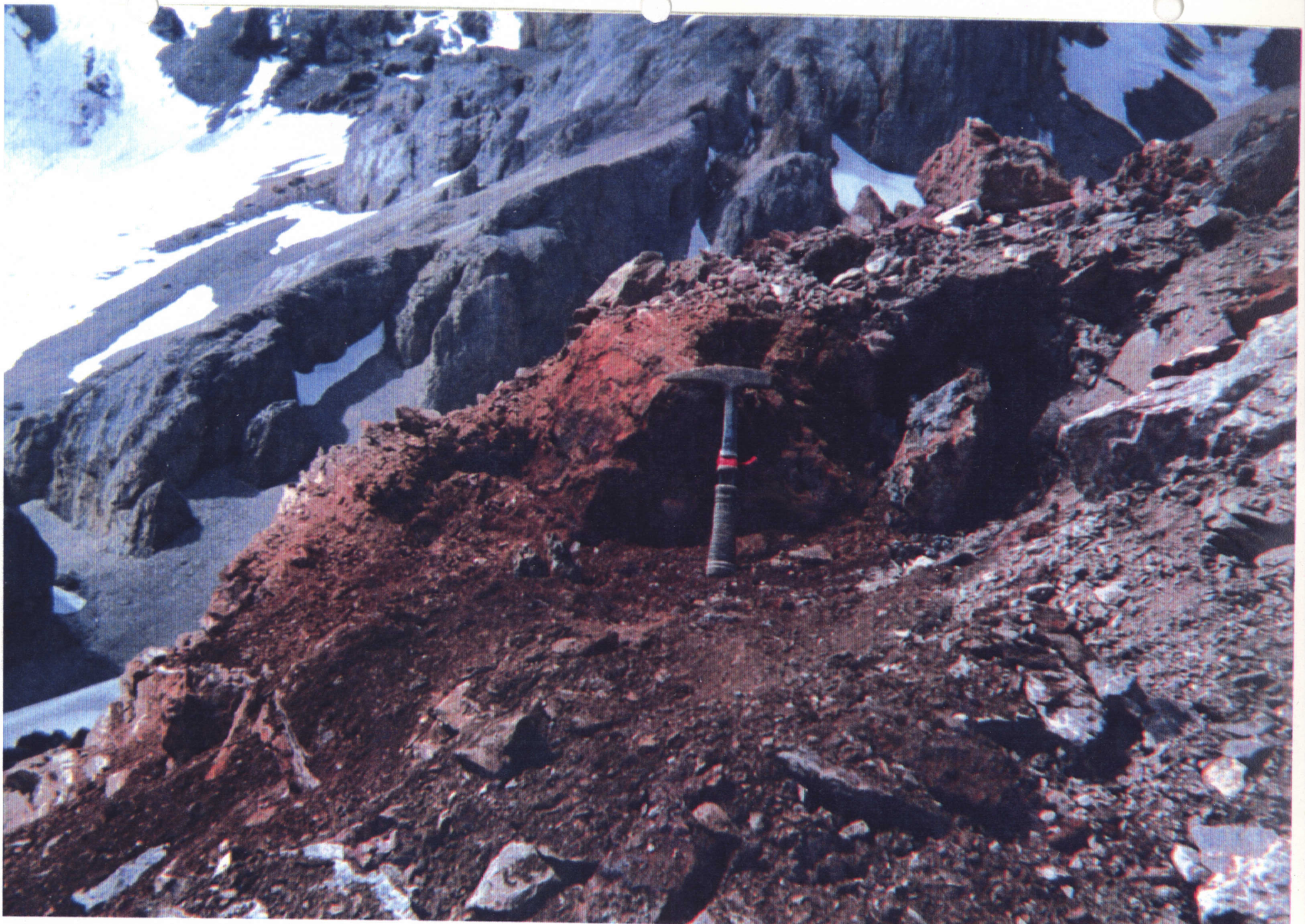
QUARTZ STOCKWORK ZONE VIEW FROM SOUTH



TRENCH 89-1 VIEW FROM SOUTH



PIT 89-1 VIEW FROM NORTH



PIT 89-2 VIEW FROM SOUTH EAST

Assay Summary

Sample: Number:	Au PPB	Ag PPM	Ag O.P.T	Cu %	Zn %	As %
9871A	66.0		17.34	8.28	1.5	1.096
9872A	18.0	3.33		.03	8.0	.074
9873A	15.0		18.4	11.4	1.55	2.016
R284378			21.91	16.06	2.39	
R284390	.004	o.p.t	4.19	1.55	.24	

	Au PPB	Ag PPM	Cu PPM	Zn PPM	Ni PPM	As PPM
R284379	<20	7.1	7300	216		324
R284380	<10					203
R284381			132		10	
R284387	74	.5				
R284388	90	.5				
R284389	150					
1207	13	1.9	163	4268	305	950
1220	<10	1.5	39	97	20	61
1221	<10	140.0	14789	4304	31	2755

Sample No.	Width	Description
19871A	Grab	Quartz with malachite, azurite, chalcopyrite, tetrahedrite, pyrite (Trench 88-1)
19872A	Grab	Quartz sphalerite breccia with malachite staining, minor chromite and pyrite. (Trench 89-1)
19873A	Grab	Quartz with limonite, pyrite, chalcopyrite, sphalerite and galena. (Trench 88-1)
R284378	Grab	Quartz with pyrite, chalcopyrite, galena, azurite, malachite. (Pit 88-1)
R284390	.5m chip	Quartz and quartz-carbonate breccia with sphalerite, galena, chalcopyrite, pyrite, azurite. (Trench 88-1)
R284379	Grab	Limonite boxwork with pyrite and chalcopyrite. Minor arsenopyrite. (Pit 89-2)
R284380	Grab	Pyrite and limonite in siliceous shales. (Site 89-3)

R284381	Grab	Pyrrhotite and pyrite in gabbro. (Site 88-2)
R284387	.2m chip	Quartz carbonate with clay fault gauge. (Trench 88-1)
R284388	Grab	Quartz-limestone breccia, minor pyrite (Site 89-4)
R284389	Grab	Quartz-limestone breccia. (Site 89-5)
1207	Grab	Quartz, sphalerite breccia, malachite and pyrite. (Trench 89-1)
1220	Grab	Quartz-carbonate breccia and clay gouge. (Trench 88-1)
1221	.25m chip	Quartz with chalcopyrite, pyrite, sphalerite. (Trench 88-1)

Discussion and Recommendations

The 1989 trenching program on the Kincora property further exposed the quartz stockwork vein system in TRENCH 88-1 and the quartz-sphalerite breccia in TRENCH 89-1. The showing at TRENCH 89-1 seems to extend into the valley of Silver Creek to the south east and a program of rock and soil sampling and blast trenching should be extended to this area to determine the extent of this zone. It appears to be the most promising target for future exploration on the Kincora property.

Statement of Costs

Period:	August 31 - September 7, 1988	
Personnel:	R. Stack (8 days)	$1,400.00
Supplies:		200.00
Transportation:	Truck (2 days)	100.00
Period:	June 8 - June 10, 1989	
Personnel:	B. Harris (1 day)	200.00
	G. Davidson (1 day)	200.00
	R. Stack (3 days)	525.00
Transportation:	TransNorth Air	671.00
	Truck 1 day	50.00
Supplies and Explosives:		496.56
Analyses:	Bondar-Clegg	292.50
	Barringer Labs	48.50
	Northern Analytical Labs	46.00
Report:	Preparation, drafting, printing	300.00
	Total Costs:	**$4,529.56**

January 25, 1990

Ronald Stack

Ronald J. Stack

Appendix A Assay Results

BARRINGER
Laboratories (Alberta) Ltd.
4200B - 10 STREET N.E., CALGARY, ALBERTA, CANADA T2E 6K3
PHONE: (403) 250-1901

BARRINGER
Laboratories (NWT) Ltd.
P.O. BOX 864, YELLOWKNIFE, NWT, CANADA X1A 2N6
PHONE: (403) 920-4500

10-APR-89

Ronald J. Stack,
Site 20, Comp.26,R.R.#1,
Whitehorse, Yukon
Y1A 4Z6

WORK ORDER: 6151D-89

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	ASSAY FIRE ASSAY AG OZ/TON	CU %
986:1	540.0	>20.0	55.92	2.2
987:1	44.0	9.6	NA	0.18
987:1A Kingsgate	66.0	>20.0	17.34	8.28
987:2	34.0	5.8	NA	0.08
987:2A Kingsgate	18.0	3.33	NA	0.03
987:3	52.0	0.3	NA	0.02
987:3A Kingsgate	15.0	>20.0	18.4	11.68

BARRINGER
Laboratories (Alberta) Ltd.
4200B - 10 STREET N.E., CALGARY, ALBERTA, CANADA T2E 6K3
PHONE: (403) 250-1901

BARRINGER
Laboratories (NWT) Ltd.
P.O. BOX 864, YELLOWKNIFE, NWT, CANADA X1A 2N6
PHONE: (403) 920-4500

Ronald J. Stack,
Site 20, Comp.86, R.R.#1,
Whitehorse, Yukon
Y1A 4Z6

WORK ORDER: G151D-89

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	ZN %	AS %
986:1	0.35	0.36
987:1	6.8	0.001
987:1A KINCORA	1.5	1.096
987:2	0.02	0.003
987:2A KINCORA	8.0	0.074
987:3	0.03	0.001
987:3A KINCORA	1.55	2.016

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

FOOTNOTES:
P=QUESTIONABLE PRECISION; *=INTERFERENCE; TR=TRACE; ND=NOT DETECTED;
IS=INSUFFICIENT SAMPLE; NA=NOT ANALYZED; MS=MISSING SAMPLE

Northern Analytical Laboratories ltd.

October 20, 1989

Ron Stack
Site 20 Comp 86 RR1
Whitehorse, Yukon
Y1A 4Z6

ASSAY CERTIFICATE FOR SAMPLES PROVIDED

WORK ORDER # 34501

Sample	ppb Au	ppm Ag	ppm As
1204	<10	0.5	
1205	11	0.1	
1207	13	1.9	950
1208	27	0.2	10
1209	18	0.6	<10
1210	<10	0.1	
1211	<10		
1212	<10	1.9	
1213		0.1	
1214	87	19.0	
1215		>500.0	
1216		100.0	
1217	41	67.2	
1218	51	3.0	

KINCORA

Au -- 15g Fire Assay/AAS
Metals -- Aqua Regia Digestion/AAS

Applied Science Technologists and Technicians of British Columbia
6992
GERALD F. HAYES
A.Sc.T.

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

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

BONDAR-CLEGG

Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 24-JUL-89

REPORT: V89-03542.0 | PROJECT: KINCORA | PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Mo PPM	Pb PPM	Zn PPM	As PPM	Ba PPM	Sb PPM	W PPM	Hg PPB
R2 84378		<2000	>50.0	>20000	<1	70	>20000	>30000	<2500	>30000	<120	>5000
R2 84379		<21	7.1	7300	1	17	216	324	2900	432	<2	4500
R2 84380		<10						201		203	<2	
R2 84381				132								

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

BONDAR-CLEGG

Certificate of Analysis

DATE PRINTED: 31-JUL-89

REPORT: V89-03542.6

PROJECT: KINCORA PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Cu PCT	Zn PCT
R2 84378		21.91	16.06	2.39

Registered Assayer, Province of British Columbia

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

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

DATE PRINTED: 24-JUL-89

REPORT: V89-03542.0

PROJECT: KINCORA PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Pt PPB	Pd PPB	Au PPB	Ni PPM	Cr PPM
R2 84378						
R2 84379						
R2 84380						
R2 84381		<15	<2	<5	10	39

Bondar-Clegg & Company Ltd.

136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone: (403) 667-6523
Telex: 036-8-460

BONDAR-CLEGG

Geochemical Lab Report

DATE PRINTED: 5-DEC-89

REPORT: V89-07247.0

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	AG PPM
R2 84387		74	0.5
R2 84388		90	0.5
R2 84389		150	

CAVENDISH ANALYTICAL LABORATORY LTD.

2225 S. Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-2560 Fax:299-6252

CERTIFICATE OF ANALYSIS

TO : NORTHERN ANALYTICAL LAB
105 COPPER RD
WHITEHORSE,YT Y1A 2Z7

PROJECT : 34527
TYPE OF ANALYSIS : ICP

CERTIFICATE # : 891123E2
INVOICE # : NOV 89
DATE ENTERED : 89/11/24
FILE NAME : I1123E2
PAGE # : 1

PRE FIX	SAMPLE NAME	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CD	PPM MN	% FE	PPM AS	PPM U	PPM AU	PPM HG	PPM SR	PPM CD	PPM SB	PPM BI	PPM V	% CA	% P	PPM LA	PPM CR	% MG	PPM BA	% TI	PPM B	% AL	% NA	% SI	PPM W	PPM BE
	1220	5	39	3	97	1.5	20	9	726	1.67	61	5	ND	ND	225	4	37	13	10	10.76	0.03	3	30	6.75	115	0.01	5	0.12	0.04	0.01	1	2
	1221	12	14789	327	4304	140.0	31	1	185	0.49	2775	5	ND	54	147	45	7990	43	6	3.84	0.01	6	103	0.62	14	0.01	358	0.03	0.01	0.01	1	1
	STDS	22	829	557	629	19.0	218	298	930	3.27	402	5	60	754	907	171	881	509	119	0.39	2.94	1135	92	0.47	230	0.16	752	1.57	0.02	0.01	251	50

NOTE:CHARGE FOR SPECIFIED ELEMENTS ONLY.

CERTIFIED BY : A. Reeves