COMINCO LTD.

EXPLORATION WESTERN CANADA

NTS 104K/7

ASSESSMENT REPORT

GEOLOGICAL - TRENCHING REPORT

METLA PROPERTY

ATLIN MINING DISTRICT

TRAPPER LAKE AREA

LATITUDE: 58°23'N LONGITUDE: 132°36'W

OWNER OF CLAIMS:

COMINCO LTD.
700-409 GRANVILLE STREET
VANCOUVER, B.C.
V6C 1T2

OPERATOR: COMINCO LTD.

WORK PERFORMED DURING AUGUST, 1989

OCTOBER, 1989 REPORTED BY: A.B. MAWER

ASSESSMENT REPORT - 1989

METLA PROPERTY

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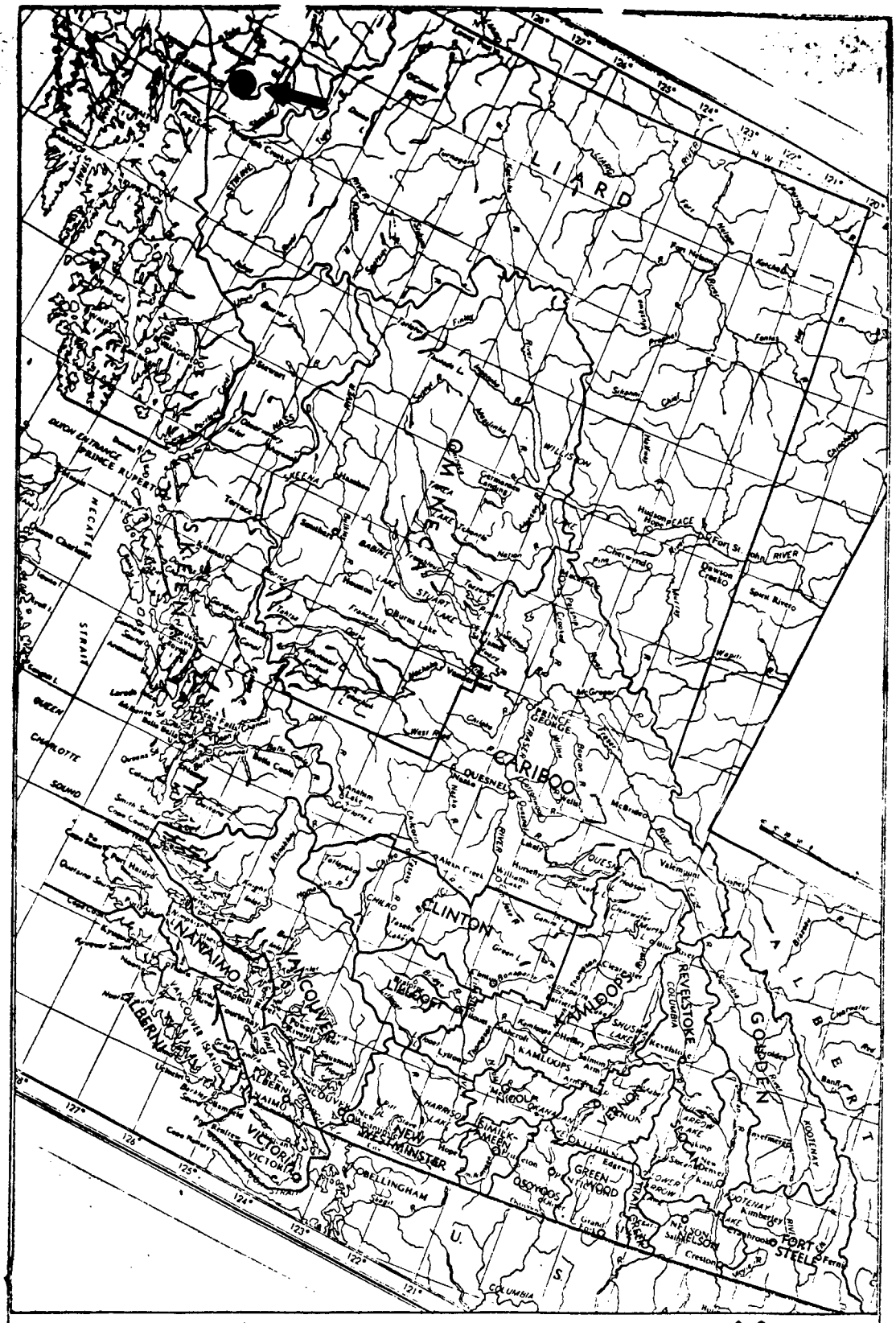


Cominco

Drawn by:		Traced by:		METLA PROPERTY
Revised by	Date	Revised by	Date	Location MAP

Scale: 1 inch : 84 miles | Date: Nov/88 | Plate: 1

210-0610

COMINCO LTD.

EXPLORATION
NTS 104K/7

WESTERN CANADA
October, 1989

ASSESSMENT REPORT - 1989
METLA PROPERTY

1. INTRODUCTION

This report outlines preliminary development work on the Metla Property consisting of one claim of 20 units. The property is situated within the Coast Ranges near Trapper Lake within the Atlin Mining Division of B.C.

During 1989 the property was explored by prospecting, geological mapping, trenching and sampling of outcrop and float boulders; work was performed by Cominco Ltd.

2. SUMMARY

The Metla Property is located approximately 150 km west of Dease Lake or 150 km southeast of Atlin, B.C. and 25 km northwest of the Golden Bear property on map sheet NTS 104K/7 at latitude 58°23'N and longitude 132°36'W. The area is underlain by volcanics and sediments of the Stuhini Group of Upper Triassic Age. A few km west is the contact with Coast Range Batholith of Triassic Age and to the south both the Coast intrusives and Stuhini Group are intruded by Sloko Group intrusives of Tertiary Age.

On the property, northwest trending steep easterly dipping massive andesitic volcanics are underlain by an interbedded series of andesite, pyritic, mudstone, impure limestone and calcareous sediments. Extensive areas (100 m x 500 m) of phreatic or hydrothermal vent breccias occur cutting through and across the volcanics and sediments and are aligned in a northwesterly trending zone 800 m wide by 2 km in length. The breccia consists of an iron rich pyritic carbonate matrix supporting clasts of volcanics, sediments and rarely sulphide clasts. Gold bearing sulphide mineralization occurs in outcrop and float as wispy bands, breccia matrix and fracture fillings. The location of the sulphides appears to be mainly adjacent or peripheral to the main breccia zones.

The mineralization consists of very fine to coarse granular pyrite, arsenopyrite, sphalerite, galena, magnetite, chalcopyrite, hematite, boulangerite, bournonite, tetrahedrite and native gold or electrum.

In August of 1989 the property was partially mapped at a scale of 1:500 and four trenches were drilled and blasted in the North Zone and 14 trenches in the South Zone. Sampling of outcrop trenches and mineralized float indicates interesting gold values over the length of the mineralized breccia area with exceptional values in a cluster of boulder float near 5E-8N where sampling of 16 boulders

ranged from 150 Pb to 69 grams Au with an arithmetical average of 19 grams/T Au. The best trench to date is Trench 4 in the North Zone which averages 4.6 grams/T over 9 metres. All of the mineralization sampled has variable contents of Ag, Pb, Zn and of note is the small outcrop containing a 30 cm band of nicolite bearing material that assayed 9% Ni at 5+70E - 7+10N.

A program of continuing detailed prospecting, detailed mapping, geophysics and core drilling is recommended for 1990.

3. PROPERTY

The Metla property consists of 20 units in one claim (Metla) located by perimeter staking.

Claim	No. of Units	Record No.	Recorded	Assessment Due
Metla	20	3463	August 25/88	August 25/89

4. OWNERSHIP

The Metla property of one claim (20 units) is 100% owned by Cominco Ltd., 700-409 Granville Street, Vancouver, B.C., V6C 1T2.

5. LOCATION AND ACCESS

The Metla property is located within the Atlin Mining Division on map sheet NTS 104K/7 at a latitude of 58°23'N and a longitude of 132°26'W. The claim is situated approximately four km south of the south end of Trapper Lake and on the southwestern slopes of Metlatulin Mountain. The area is mainly above timber line at an elevation of 1200 to 1500 m and 5% of the surface is covered by ice or permanent snow fields.

Access to the property is by helicopter from Atlin or Dease Lake, a distance of 150 km, or float plane to Trapper Lake (146 km) then four km to the property. During the 1989 program access and supplies were from Atlin, B.C.

6. HISTORY AND DEVELOPMENT

In 1957 Cominco prospectors working out of a camp near Trapper Lake located a brecciated feldspar porphyry dyke mineralized with pyrite-sphalerite and galena near the edge of a permanent ice and snow field. A sample from this showing assayed 0.32 oz/T Au, 1.4 oz/T Ag, 0.1% Cu, 0.2% Pb, 1.0% Zn. This area is or was near the presently called "North Zone" and all other showings to the south would have been covered by ice at that time.

In 1988 during follow-up of RGS release gold anomalies in the Tatsamenie Lake-Trapper Lake area, a visit was made to the basin within which the 1957 discovery was shown to occur. Prospecting in the basin located mineralized float and outcrops of mineralized breccia and the Metla claim was located to cover the area. Preliminary sampling indicated anomalous gold values over an area of 800 m wide by 1.2 km long.

In 1989 a program of detailed prospecting, detailed geological mapping, trenching and sampling of outcrop and float boulders was conducted on the property. Results of this work indicated interesting gold values and further work is recommended.

7. GEOLOGY

1 Regional (Refer to Plates 3-3A)

The area is underlain by northwesterly trending steep easterly dipping volcanics and sediments of the Stuhini Group of Triassic Age, approximately four km west is the eastern contact of the Coast Range intrusive of possible late Triassic Age. A few km to the southeast are outcrops of Sloko Group intrusives of Tertiary Age cutting Stuhini Group rocks and Coast Range intrusives.

2 Property (Refer to Plates 4-10)

Preliminary mapping indicates the property is underlain by northwesterly striking, steep easterly dipping massive andesite, agglomerates and tuffs, underlain by a sequence of interbedded andesite, pyritic argillite, mudstone, impure limestone, calcareous sediments, white-grey fine laminated chert and siliceous grits. All of the foregoing described rocks are intruded or cut by large areas of phreatic or hydrothermal vent breccias consisting of a tan to dark brown weathering grey to grey green pyritic carbonate and/or siliceous matrix. The matrix supports clasts of volcanics and sediments from pebble size to large blocks of several metres in length and width. The clasts are randomly oriented and may have alteration rims to almost completely altered clasts of sericite or fuchsite.

The contacts of the hydrothermal vent breccias with relatively undisturbed volcanics and sediments is very sharp with little or no alteration and the configuration of some of the exposed contacts indicates scouring or gullying of the intruded rock.

At 7E-7N a small breccia several metres in diameter is exposed, here one can observe massive andesite grading into a crackle breccia with unrotated fragments with minor matrix to a central area with matrix supported rotated, milled and partly altered clasts, thus giving more support to the interpretation that the breccias are intrusive in nature.

The breccia "zones" appear to be up to 150 m wide by 500 m long and partially exposed over a northwesterly-trending area of 900 m wide by 2 km long.

The mineralization located to date that is in place appears to be adjacent to or peripheral to the main areas of intrusive breccia, also in some cases sulphide is the main matrix in highly fractured and disturbed blocks of argillite contained with the breccia. In addition there are numerous (late) north-south trending vertical quartz carbonate veins that cross rock units and intrusive breccias.

2(a) Stratigraphy

The present level of field work is too limited to support a stratigraphic interpretation as it is not known if the local stratigraphy is right side up or not.

2(b) Structure

The property covers an area transected by numerous north-northeasterly steep dipping faults in the central part of the map area. There appears to be horizontal affects of 200 m or more along some of these faults. Most if not all of the faults appear to be later than the intrusive breccias and there is no clear indication what structure if any has locallized the intrusive breccias.

2(c) Metamorphism

Within the claim area the degree of metamorphism is generally low, probably lower green schist facies, however within the intrusive breccias, some clasts are altered to sericite and fuchsite and to the west near line 1E calc-silicates were noted in the calcareous sediments.

2(d) Mineralization

In 1957 prospectors located a feldspar porphyry dyke and nearby rocks mineralized with galena and sphalerite. A sample of the dyke material assayed 0.32 oz/T Au, 1.4 oz/T Ag, 0.1% Cu, 0.2% Pb, 1.0% Zn. This showing was not located or looked for in 1988, however the approximate position on the hillside was noted due to the distinctive white weathering of the porphyry.

In 1988 mineralization was located in place, in outcrop and as numerous blocks of float occurring along the left lateral moraine of Metlatulin Glacier. The sulphides occur as fragments in a siliceous iron carbonate matrix, as the matrix to the breccia fragments or as replacement of and cross-cutting the siliceous iron carbonate matrix.

The mineralization consists of a medium to coarse granular mixture of pyrite, arsenopyrite, sphalerite, galena, magnetite, hematite, boulangerite, tetrahedrite, bournonite and native gold or electrum. In 1989 detailed mapping and prospecting located new areas of sulphide mineralization in place and as float. Sampling of trenches drilled and blasted in two of the mineralized areas "North Zone" (four trenches), "South Zone" (14 trenches) gave highly variable results with the best trench (No. 4) in the North Zone which averaged 4.6 grams/T Au across 9 metres. Sampling of areas of float gave variable results with an exceptional cluster of floats near 5E-9N where 19 pieces gave results from 150 ppb Au to a high of 69 grams/T Au, arithmetical average (not cut) of the 16 samples is 19 grams/T Au.

To date 194 samples were analyzed for gold of which 26% contained 5 grams Au or more and 12% were 10 grams or more Au indicating an extensive area with anomalous gold content.

8. GEOCHEMISTRY

All rock samples were analyzed geochemically and consisted of measured rock or float chip samples. The samples were collected in 9"x11" (20x30 cm) plastic bags and shipped to Cominco Research Laboratory at 1486 East Pender Street, Vancouver, B.C. The rock samples were crushed, split and pulverized to -200 mesh before hot aqua regia digestion for Ag, Ba, Zn, Cu, Fe determination. Au analysis was by hot solvent extraction. All samples that were three grams or more Au geochemically were re-analyzed by standard fire assay.

9. TRENCHING

During August 1989, 18 trenches were drilled and blasted on the property. This work was done by a contractor, Jempland Construction of Prince George, B.C. The details are listed as follows:

Trench No.	Length	Width	Depth	Cubic m	Location
1	5.0	1.0	0.5	2.5	South Zone
2	5.0	1.0	0.5	2.5	South Zone
3	5.0	1.0	0.5	2.5	South Zone
4	5.0	1.0	0.5	2.5	South Zone
5	5.0	1.0	0.5	2.5	South Zone
6	5.0	1.0	0.5	2.5	South Zone
7	12.0	1.0	0.5	6.0	South Zone
8	5.0	1.0	0.5	2.5	South Zone
9	5.0	1.0	0.5	2.5	South Zone

Trench No.	Length	Width	Depth	Cubic m	Location
10	5.0	1.0	0.5	2.5	South Zone
11	8.0	1.0	0.5	4.0	South Zone
12	5.0	1.0	0.5	2.5	South Zone
13	5.0	1.0	0.5	2.5	South Zone
14	5.0	1.0	0.5	2.5	South Zone
1	13.0	1.0	0.5	6.5	North Zone
2	4.0	1.0	0.5	2.0	North Zone
3	9.0	1.0	0.5	4.5	North Zone
4	9.0	1.0	0.5	4.5	North Zone
TOTAL	115 m			57.5 cu. m	

The trenches were sampled where mineralized and the results are listed in the attachments.

10. GEOPHYSICS

During 1989 no geophysical work was done on the property, observation of the style and type of mineralization noted in during the current work suggests that geophysics could be a useful tool to help locate concentrations of sulphides that is the probable source of the considerable amount of sulphide bearing float.

11. CONCLUSIONS AND RECOMMENDATIONS

The preliminary program has had very positive results in that an extensive area of anomalous gold bearing sulphide mineralization has been located in float and outcrop.

It is recommended that detailed prospecting, detailed geological mapping, outcrop and float sampling be continued to completely cover all of the property. In addition geophysics should be done to help isolate or locate possible sulphide concentrations. The results of this work will provide targets for follow-up core drilling.

Reported by A.B. Mawer

A.B. Mawer
Senior Geologist

Authorized for Release by W.J. Wolfe

W.J. Wolfe
Manager, Exploration
- Western Canada

ABM/jd

REFERENCES

(1) Cominco Files and Field Notes

(2) GSC Map 1262A, Tulsequah and Juneau, scale 1:250,000

(3) Intrusive Breccias Associated with Ore Warren (Bisbee) Mining District Arizona - D.G. Bryant, Economic Geology February/68

(4) Early Devonian Geothermal Systems in Northeast Scotland Exploration Targets for Epithermal Gold - Keith Nicholson Geology V17, p568-571, June 1989

(5) Breccias and Ores Part 1 History Organization and Petrography of Breccias, Peter Laznicka Ore Geology Reviews 4, 1989, p315-344

(6) Hydrothermal Breccia Pipes and Gold Mineralization in the Iwashita Orebody Iwato Deposit Kyushi Japan - Eiji Izwa and Charles G. Cunningham Economic Geology V84, 1989, p715-724

APPENDICES

(1) Appendix A - Affidavit
(2) Appendix B - Statement of Expenditures
(3) Appendix C - Statement of Qualifications
(4) Appendix D - Assay Data

ATTACHMENTS

		Scale
Plate 1	Location Map	1" = 84 miles
Plate 2	Claim Map	1:50,000
Plate 3	Regional Geology	1:250,000
Plate 3a	Legend Regional Geology	
Plate 4	Generalized Geology	1:5,000
Plate 5	Cross-Section 7+00N	1:500
Plate 6	Cross-Section 14+50N	1:500
Plate 7	Sheet 1 - Surface Geology Trench & Sample Location	1:500
Plate 8	Sheet 2 - Surface Geology Trench & Sample Location	1:500
Plate 9	Sheet 3 - Surface Geology Trench & Sample Location	1:500
Plate 10	Sheet 4 - Surface Geology Trench & Sample Location	1:500

Plates 11 to ___ Photo Plates

APPENDIX "A"

IN THE MATTER OF THE B.C. MINERAL ACT AND IN THE MATTER OF A PRELIMINARY GEOLOGICAL AND GEOCHEMICAL SURVEY CARRIED OUT ON MINERAL CLAIM OF THE METLA PROPERTY LOCATED IN THE TRAPPER CREEK LAKE AREA, BRITISH COLUMBIA MORE PARTICULARLY N.T.S. 104K/7.

A F F I D A V I T

I, A.B. MAWER, OF THE DISTRICT OF NORTH VANCOUVER, IN THE PROVINCE OF BRITISH COLUMBIA, SENIOR GEOLOGIST, MAKE OATH AND SAY: -

(1) THAT I am employed as a senior geologist by Cominco Ltd., and, as such have a personal knowledge of the facts to which I hereinafter depose;

(2) THAT annexed hereto and marked Appendix "B" to this my affidavit is a true copy of expenditures on geological mapping, trenching and sampling on the Metla Property;

(3) THAT the said expenditures were incurred between the 1st day of May and the 23rd day of October, 1989 for the purpose of mineral exploration on the above noted property.

Signed: A. B. Mawer

A.B. Mawer
Senior Geologist

October, 1989

Appendix "B"

METLA PROPERTY ASSESSMENT REPORT

STATEMENT OF EXPENDITURES - 1989

Field Work: Travelling, geological mapping, rock sampling	
A.B. Mawer - August 1-28 inclusive - 28 days @ $392.50/day	$10,990.00
T.J. Muraro - August 1-25 inclusive - 25 days @ $158.75/day	3,968.75
Office: Pre-Field Preparation and Organization	
A.B. Mawer - April 3-4-5-6 (4 days)	
Report Writing and Map Preparation	
A.B. Mawer - September 2-7, October 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 19, 20 (14 days) Total 18 days @ $392.50/day	7,065.00
Communications: Trager Rental ($863.26) mobile hand operated walkie - 2 units @ $20/day for 28 days ($560.00) + Expediter calls	1,566.03
Geological Supplies, maps, field gear	3,857.52
Geochemical Analysis - rock 194 @ $14/sample	2,716.00
fire assays Au 72 @ $9/sample	648.00
supplies - field	93.50
Trenching - supplies	4,150.59
Trenching - contract (Jempland Construction)	10,833.64
Line cutting (establishment of picket lines - supplies)	123.04
Transport - helicopter (Capital, Yukon Airways, Westland)	11,120.25
- fixed wing (Summit Air, Aerokan)	8,218.20
- Toyoto 4x4 rental plus fuel	2,650.13
- freight (Vanc-Atlin and local)	2,398.00
Domicile - camp costs and material	11,842.79
- food	2,850.67
Expediting (Kawdy Ventures, Atlin, B.C.)	2,134.45
Drafting and Reproduction	1,200.00
TOTAL EXPENDITURES APPLICABLE FOR ASSESSMENT	$88,426.56

APPENDIX "C"

STATEMENT OF QUALIFICATIONS

I, A.B. MAWER, SENIOR GEOLOGIST WITH BUSINESS ADDRESS IN VANCOUVER, BRITISH COLUMBIA AND RESIDENTIAL ADDRESS IN NORTH VANCOUVER, BRITISH COLUMBIA HEREBY CERTIFY THAT:

(1) From 1944 to the present, I have been actively engaged as a prospector and geologist in mineral exploration.

(2) I am a Fellow of the Geological Association of Canada.

(3) I am a member of the Canadian Institute of Mining and Metallurgy.

(4) I personally supervised the field work on the Metla Property and have interpreted the data resulting from this work.

A. B. Mawer

A.B. Mawer
Senior Geologist

October, 1989

APPENDIX "D"

METLA PROPERTY ASSESSMENT REPORT

OUTCROP, TRENCHING AND FLOAT SAMPLING

GEOCHEMICAL AND ASSAY RESULTS

METLA-WD

Job V 89-0426R
Report date 12 OCT 1989

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Ag PPM	Cu PPM	Zn PPM	Pb PPM	Fe %	Ni PPM	Au(1) G/T	Au(1) OZ/T	Description size in meters	Location
R8916037	M89R128	(10	5	(.4	83	37	14	19.7				Float 0.60x0.80 Pyritic Rhyolite	12m S.E. of 5+00E / 3+00N
R8916038	M89R129	(10	5	1.1	68	26	37	15.1				Float 0.40x0.60m pyritic Rhyolite	5E/3N
R8916039	M89R130	(10	5	1	104	21	13	31				Float 0.20x0.20m pyritic-siliceous	5E/0N
R8916040	M89R131	(10	5	.8	863	239	13	26				Float 0.30 x 0.20m pyritic-silic/contorted	4+50E/1S
R8916041	M89R132	(10	5	E189	344	E51500	E36400	20.6				Float 0.30x0.40 Block arg with sp, gn, py	4+50E / 1+50S
R8916042	M89R133	(10	5	E164	284	E32000	E26700	19.7				Float 1.0x0.40 Block arg with sp-gn-py	4+00E/2+00S
R8916043	M89R134	3460	5	E232	1040	E91400	E56000	32		3.053	0.089	Float 0.20x0.40 " " " " " "	4+00E / 2+50S
R8916044	M89R135	2260	5	98.4	1320	E126000	E75000	33				Float 0.20x0.20 Qtz gn-py-sp	5E / 6+90N
R8916045	M89R136	20	5	2.5	86	303	212	43				Float 0.20 x 0.30 py - Alt Rhyolite	5+15E / 0+00N
R8916046	M89R137	3400	5	E198	2260	E97300	E35300	32		2.881	0.084	Float 0.20x0.30 banded silic-py	5+50E / 5N
R8916047	M89R138	1580	5	49.7	2110	E10200	E11000	38				o.c. 0.15 chip on py-sp-gn band	5+45E / 5+54N
R8916048	M89R139	874	5	E755	4140	E143000	E126500	21				Float 0.20x0.15 silic Bx sp-gn	4+60E / 4+75N
R8916049	M89R140	1692	5	E525	4340	E70100	E93000	2.22				Float 0.60x0.40 silic Bx py-sp-gn	5+70E / 5+75N
R8916050	M89R141	7400	5	96	803	E46600	9650	32		6.723	0.196	o.c 0.40 chip Bx-arseno, py-sp-gn	4+60E / 4+75N
R8916051	M89R142	584	5	27.3	E28000	348	411	16.8				Float 0.20x0.30 Bx-silic-trace cpy	4+95E / 5+05N
R8916052	M89R143	(10	5	3.8	164	182	108	35				o.c. 0.15 chip band in Arg	4+50E / 1S
R8916053	M89R144	(10	5	1.2	634	281	158	43				Float 0.20x0.20 wh silic Bx bands py	4+50E / 1+25S
R8916054	M89R145	(10	5	4.9	396	87	60	6.8				o.c. chip 0.30m Thin bed (chert?)	4+75E / 2+75S
R8916055	M89R146	(10	5	95.3	374	E42100	E55800	36				Float 1.0x1.0m Block Arg py-sp-gn	5E/1S
R8916056	M89R147	20	5	E188	228	E28200	E28700	37				Float 1.5x1.0 " " " " "	5E/1S
R8916057	M89R148	4360	5	20.8	246	E20200	3230	46		3.636	0.106	o.c. 0.40 chip Thin veinlets mag-py-sp	5E/7+50N
R8916058	M89R149	984	5	25.1	3380	329	199	40				Float-0.20x0.20 70% py - Arseno	5E/7+45N
R8916059	M89R150	7600	5	53	1130	2560	690	46		5.900	0.172	Float-0.20x0.20 70% py-Arseno	5+05E/7+30N
R8916060	M89R151	E10860	5	45.6	743	E36300	6730	53		8.403	0.245	Float - 0.20x0.30 Py - Asp	4+95E / 7+25N
R8916061	M89R152	236	5	25.4	880	1010	691	28				Float - 0.20x0.20 py - Alt Andesite	5+05E / 7+22N
R8916062	M89R153	2240	5	22.8	2330	E37300	1270	21				Float - 0.20x0.20	5+5E / 7+22N
R8916063	M89R154	6740	5	94.2	915	E20800	E18500	28		6.243	0.182	Float - 0.20 x0.30	5E/7+17N
R8916064	M89R155	(10	5	.6	3410	199	66	31				Float - 1.0x1.0 fine stine py - Asp	5+04E / 8N
R8916065	M89R156	42	5	20.4	6960	231	140	6				o.c. 40 chip cpy in Blk Arg	5+28E / 7+62N
R8916066	M89R157	E20000	5	84.4	3360	85	53	29		23.941	0.698	Float-0.30-0.30 60% cpy in Blk mdstn	5+30E / 7+55N
R8916067	M89R158	E11000	5	23.1	1730	1120	910	35		9.055	0.264	Float - 0.30x0.30 silic Bx - py - Asp	5+20E / 7+55N
R8916068	M89R159	7920	5	63.3	864	E57700	9260	35		6.174	0.180	Float - 0.40 x0.40 - Py	5+09E / 6+90N
R8916069	M89R160	6040	5	38.2	919	E21600	1290	32		2.367	0.069	Float - 0.60 x0.80 py - Asp	5+80E / 6+60N
R8916070	M89R161	100	5	20.3	3160	8340	520	38				Float - 0.20 x0.20 Py - Asp	5+20E / 7+90N
R8916071	M89R162	7880	5	31.1	868	9400	2920	34		5.968	0.174	Float - 0.20 x 0.20 - py - asp - sp - gn	5+15E / 7+8N
R8916072	M89R163	E12000	5	35.5	882	6450	7130	41		11.045	0.322	Float - 0.25x0.25 py - Asp - mag Bx-Silic Frags	"
R8916073	M89R164	E12720	5	29.1	1260	2390	3850	31		13.720	0.400	Float - 0.25x0.35 90% py - asp wh silic Frags	"

METLA-WD

Job V 89-0426R
Report date 12 OCT 1989

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Ag PPM	Cu PPM	Zn PPM	Pb PPM	Fe %	Ni PPM	Au(1) G/T	Au(1) OZ/T	Description Size in meters	Location
R8916074	M89R165	4880	5	42.9	1370	E37000	8160	44		5.214	0.152	Float- 1.0 x 0.80 wh Silic Bx-py bands	5+70E / 7+25N
R8916075	M89R166	1800	5	15	643	876	2170	24				Float 0.50 x 0.20 " " " "	" "
R8916076	M89R167	900	5	35.1	2600	2410	4420	38				Float - 0.20 x 0.20 py-asp	5+75E / 7+25N
R8916077	M89R168	164	5	9.6	1210	E119000	1570	27				O.C. - 0.40 chip Alt carbonate sp-gn	5+72E / 7+12N
R8916078	M89R169	E10040	5	27.2	596	7630	1360	34		10.153	0.296	Float - 1.2 x 0.80 Black Silic-wh frag-py	5+85E / 7+35N
R8916079	M89R170	3120	5	34.9	2290	E86300	661	45		1.715	0.050	Float - 0.30 x 0.40 abundant sp	5+65E / 7+15N
R8916080	M89R171	780	5	19.6	1620	2120	2510	42				Float - 0.20 x 0.20 Py-asp, sp, mag	" "
R8916081	M89R172	380	5	3.3	122	589	35	4.6	E90500			O.C. - 0.30 chip of Nicolite in alt marly Rx	5+70E / 7+10N
R8916082	M89R173	1972	5	19.5	1370	E17100	146	28				O.C. - 0.30 chip-py-sp in shrd Rhyolite	5+65E / 7+10N
R8916083	M89R174	360	5	13.9	1580	593	216	33				O.C. - 0.40 chip - py in Silic wh Bx	5+65E / 7+05N
R8916084	M89R175	7400	5	32.9	461	487	206	34		6.929	0.202	Rubble crs py in altered Bx	5E / 7N
R8916085	M89R176	3600	5	E216	744	E44500	E29000	23		3.293	0.096	Float - 0.20 x 0.30 dk brn Bx py-gn-sp	5+96E / 6+89N cluster
R8916086	M89R177	1712	5	E406	1260	E51700	E40700	20				Float - 0.16 x 0.18 " " " " "	" "
R8916087	M89R178	4400	5	E715	2930	E80000	E80500	21		2.607	0.076	Float - 0.30 x 0.40 stringers of py-sp-gl bouldergabbro	" "

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Ag PPM	Cu PPM	Zn PPM	Pb PPM	Fe %	Ni PPM	Au(1) G/T	Au(1) OZ/T	Description Size in meters	Location
R8916088	M89R179	2640	5	E362	757	E54200	E40750	25				Float - 0.30x0.40 Bk brownish Bx with gn-sp gray silic clasts	5+95E / 6+80-90N (cluster)
R8916089	M89R180	4000	5	E333	1360	E78900	E43600	26		2.984	0.087	Float - 0.30x0.30 " "	" "
R8916090	M89R181	1452	5	E645	3500	E90800	E89500	22				Float - 0.60x0.40 " "	" " "
R8916091	M89R182	1560	5	E216	646	E18800	E32700	15				Float - 1.0 x1.0 Tabular-sp-gn-Fuchsite	5+95E / 6+61N
R8916092	M89R183	6040	5	62	2730	5000	4300	34		2.778	0.081	Float - 0.60x0.40 90% Py-asp Blk silic clasts	5+84E / 6+85N
R8916093	M89R184	2000	5	E141	4650	E60900	E78000	30				Float - 0.20x0.30 py-asp. sp	5+60E / 6+64N
R8916094	M89R185	422	5	43.7	949	E22000	E13000	39				Float - 0.20x0.30 blk Arg - Pyrit band.	5+60E / 6+62N
R8916095	M89R186	892	5	32.6	1920	673	830	37				Float 0.20x0.25 wh-gry Silic Bx 60% cr sp py	5+65E / 6+62N
R8916096	M89R187	9200	5	44.8	987	E86000	1390	36		9.055	0.264	Float - 0.20x0.30 Buff matrix (Bx) py	5+94E / 7+51N
R8916097	M89R188	3440	5	24.7	904	1990	883	31		5.008	0.146	Float - 0.40x0.60 wh silic Rock Bx - py	5+94E / 6+99N
R8916098	M89R189	400	5	42.1	2370	7550	4150	48				Float - 0.20x0.30 Silic wh Bx - py	5+86E / 7+50N
R8916099	M89R190	1606	5	E168	374	E29200	E24500	19				Float - 0.60x0.60 pyrite -	6+12E / 7N
R8916100	M89R191	2000	5	E233	1140	E18400	E67500	33				O.C. chip 0.30 patchy 35-90% py in Bx	5+66E / 5+66N
R8916101	M89R192	1312	5	E212	2860	E121000	E66000	21				O.C. - 0.30 chip " " "	5+60E / 5+62N
R8916102	M89R193	704	5	47.6	374	E37600	E10100	15				O.C. - 0.40 chip " " "	5+60E / 5+61N
R8916103	M89R194	4400	5	E176	813	E73800	E51500	36		3.053	0.089	Float - Cobble (old) similar to 134	5+60E / 5+62N
R8916104	M89R195	6720	5	52.4	2880	4170	3430	38		5.385	0.157	Float - 0.30x0.30 Bx with pyrite	5+60E / 5+62N
R8916105	M89R196	E11560	5	89.9	980	631	178	32		11.799	0.344	O.C. - 0.40 chip-pyrite in fractured Vol.	5+48E / 6+02N
R8916106	M89R197	7400	5	65.2	1030	1220	125	39		6.586	0.192	O.C. - 0.40 chip-pyrite in " " Bx	5+4E / 6+00N
R8916107	M89R198	146	5	26.4	276	E19000	E19600	25				O.C. - 0.15 Chip - Bx with py-sp-gn	6E / 7+10N
R8916108	M89R199	2960	5	35.8	3660	E15400	268	38		2.607	0.076	Float - Massive py-asp-mag.	5+50E / 7+70N
R8916109	M89R200	3820	5	20.4	1290	120	72	27		2.195	0.064	O.C. - 0.40 chip Blk Arg - Bx with py	5+38E / 7+39E
R8916110	M89R201	784	5	49	535	E24400	E14100	35				O.C. - 0.20 chip py-sp-gn stringers in Bx	5+50E / 5N
R8916111	M89R202	460	5	39.8	152	6730	E12700	17				O.C. - 0.20 chip " "	5+50E / 5+01N
R8916112	M89R203	1004	5	E201	844	E25300	E44900	32				Float - 0.30x0.40 cr sp py-sp-gn in Bx	5+49E / 5+50N
R8916113	M89R204	24	5	4.4	22	162	226	5				O.C. - 0.20 Chip Quartz Carbonate stringers	5+42E / 5+98N
R8916114	M89R205	3000	5	28.5	1500	1730	282	31		2.470	0.072	O.C. - 0.20 - (in below R196) py-vol	5+49E / 6+03N
R8916115	M89R206	(10	5	20	998	E63500	2360	38				Float - 0.60x0.80 Cr sp py-sp in blk silic Frag	5+80E / 7N

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

- Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
- Wt Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)
- Ag AQUA REGIA DECOMPOSITION / AAS
- Cu AQUA REGIA DECOMPOSITION / AAS
- Zn AQUA REGIA DECOMPOSITION / AAS
- Pb AQUA REGIA DECOMPOSITION / AAS
- Fe AQUA REGIA DECOMPOSITION / AAS
- Ni AQUA REGIA DECOMPOSITION / AAS
- Au(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)
- Au(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)

METLA-WD

Job V 89-0432R
Report date 11 OCT 1989

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Fe %	Au(1) g/T	Au(1) oz/T	Description Size in meters	Location
R8916228	M89R208	E13340	5	56.8	2790	78	79	27	12.828	0.374	O.C. - 0.20 chip Bx with wk silic & py	5+28E / 6N
R8916229	M89R209	200	5	5.4	501	34	52	18.9			O.C. - 0.30 chip AH carb with v.f. py	5+17E / 5+88N
R8916230	M89R210	2360	5	21.4	5010	21	83	29			O.C. - 0.30 chip silic band with py	5+20E / 6 N
R8916231	M89R211	760	5	32.9	1258	2370	7710	26.7			Float - 0.20 x 0.20 py - asp.	4+60E / 5N
R8916232	M89R212	<10	5	17.6	1174	2990	E50200	24.9			O.C. - 0.40 chip py in fracblk Aq.	4+76E / 5N
R8916233	M89R213	1792	5	27.4	615	888	955	23.8			Float - 0.80 x 0.80 dk brn Matrix with py	5+40E / 5+57N
R8916234	M89R214	1316	5	40.9	1620	211	296	26.3			Float - 0.30 x 0.40 Blk Silic Rx Bx - py	4+95E - 6N2 N
R8916235	M89R215	3320	5	20.7	2040	337	165	31.7	2.984	0.087	Float - 0.20 x 0.30 " " " "	4+95E - 6+30N
R8916236	M89R216	4400	5	31.3	2010	107	289	22.8	4.253	0.124	Float - 0.60 x 0.80 - Blk silic bx py	5+05E - 6+45N
R8916237	M89R217	E28400	5	E152	2200	47	49	26.1	31.556	0.920	Float - 0.60 x 0.80 - Blk silic bx mafic ?	" "
R8916238	M89R218	686	5	36.5	1580	774	859	22.2			Float - 0.40 x 0.60 - " " py rite	5+05E - 6+48N
R8916239	M89R219	252	5	14.4	1355	66	113	20.9			Float - 0.20 x 0.30 " " "	" "
R8916240	M89R220	1036	5	15.1	2290	42	61	30.8			Float - 0.30 x 0.40 " " "	5+05E - 6+50N
R8916241	M89R221	3400	5	49.6	980	1820	4730	22.9	5.008	0.146	Float - 0.40 x 0.50 py - asp	4+50E - 6+30N
R8916242	M89R222	754	5	4.9	27	17	49	6			O.C. - 1.0m chip - andesite	Trench 1 North Zone - 5E - 14+70N
R8916243	M89R223	900	5	6	238	670	1047	12.6			" - 1.0m chip Bx with minor py	" "
R8916244	M89R224	1720	5	20.2	658	2700	9740	21.8			" - 1.0m chip "	" "
R8916245	M89R225	58	5	<.4	10	40	177	5.9			" - 1.0m chip "	" "
R8916246	M89R226	402	5	3.8	128	730	672	7.9			" - 1.0m chip "	" "
R8916247	M89R227	700	5	9.5	159	2550	739	7.4			" - 1.0m chip "	" "
R8916248	M89R228	<10	5	1.1	44	36	61	6.4			" - 1.0m chip "	" "
R8916249	M89R229	1776	5	25.1	567	5670	2460	15.9			" - 1.0m chip "	" "
R8916250	M89R230	1482	5	6	296	821	3030	12.4			" - 1.0m chip "	" "
R8916251	M89R231	456	5	16.3	482	3160	1320	15.6			" - 1.0m chip "	" "
R8916252	M89R232	1260	5	12.5	809	814	E17300	30.6			" - 1.0m chip "	" "
R8916253	M89R233	<10	5	1.2	16	141	91	6.3			" - 1.0m chip "	" "
R8916254	M89R234	1132	5	53.8	1067	E14800	1730	18.3			" - 1.0m chip "	" "
R8916255	M89R235	1620	5	17.4	663	2610	9300	26			" - 0.30 chip Bx - py bands	5+17E - 14+65N North Zone
R8916256	M89R236	1362	5	14	905	944	1240	28.6			" - 0.40 chip " py - asp	5+25E - 14+65N North zone
R8916257	M89R237	2800	5	12.1	587	1194	2200	30.7			" - 0.40 chip " "	5+32E - 14+65N North Zone
R8916258	M89R238	464	5	19.5	1384	1780	1090	29.3			" - 0.60 chip " "	5+21E - 14+65N North Zone
R8916259	M89R239	680	5	17.6	583	2900	E12200	19.8			" - 1.0m chip Arg Bx - Py, Asp, Sp	TRENCH 2 North Zone 6+07E - 14+47N
R8916260	M89R240	572	5	51.7	828	E10040	9960	20.3			" - 1.0m chip " py asp - sp	" " " "

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Fe %	Au(1) G/T	Au(1) OZ/T	Description Size in meters	Location
R8916261	M89R241	1860	5	11.2	460	1094	1520	19.6			O.C. - 1.0m chip Arg Bx py-asp-sp	TRENCH 2 North Zone 5+07E-14+63N
R8916262	M89R242	394	5	9.1	729	331	2320	12.6			O.C. - 1.0m chip " " " "	TRENCH 3 North Zone 5E-14+70N
R8916263	M89R243	772	5	12	876	376	841	20.1			O.C - 1.0m chip " " " "	" " "
R8916264	M89R244	2110	5	16.2	1120	430	1360	23.9			O.C. - 1.0m chip " " " "	" " "
R8916265	M89R245	2260	5	52.2	697	E13270	E17600	12.1			O.C. - 1.0m chip " " " "	" " "
R8916266	M89R246	1432	5	10.7	384	1061	2030	15.1			O.C. - 1.0m chip " " " "	" " "
R8916267	M89R247	2780	5	12.2	594	838	E19200	9.5			O.C. - 1.0m chip " " " "	" " "
R8916268	M89R248	694	5	6.2	429	494	378	11.4			O.C. - 1.0m Chip " " " "	" " "
R8916269	M89R249	5760	5	.8	62	19	76	11.1	6.105	0.178	O.C - 1.0m chip Arg Bx massive Asp	TRENCH 4 North Zone 4+95E-14+75N
R8916270	M89R250	6660	5	8.6	608	165	1650	17.4	6.997	0.204	O.C - 1.0m chip sp py	" " "
R8916271	M89R251	7720	5	12.2	774	207	E16800	18.1	8.232	0.240	O.C. - 1.0m chip "	" " "
R8916272	M89R252	5560	5	12.8	873	415	4220	21.7	6.311	0.184	O.C. - 1.0m chip "	" " "
R8916273	M89R253	4200	5	9	540	472	E16300	19.6	3.567	0.104	O.C. - 1.0m chip "	" " "
R8916274	M89R254	4720	5	22.5	1163	1780	E29900	16.8	3.910	0.114	O.C. - 1.0m chip "	" " "
R8916275	M89R255	940	5	7.5	414	92	848	10.8			O.C. - 1.0m chip "	" " "
R8916276	M89R256	3600	5	4.6	400	88	3280	12.1	3.293	0.096	O.C. - 1.0m chip "	" " "
R8916277	M89R257	2200	5	5.3	447	200	3140	12.7			O.C. - 1.0m chip "	" " "
R8916278	M89R258	E12060	5	37	1473	109	96	24.9	12.348	0.360	O.C. - 0.40 chip Bx with py-Asp	5+34E - 13+75N - North Zone
R8916279	M89R259	3280	5	18.2	1192	27	120	22	1.303	0.038	Float - 1.0x1.0m Blk arg and Bx-py-Asp	5+30E - 14+20N - North Zone
R8916280	M89R260	E11840	5	13	308	638	E63500	18.5	8.918	0.260	Float - 0.20x0.30 massive py-asp	5+11E - 9+10N
R8916281	M89R261	72	5	(.4	59	(4	100	28.4			O.C. - 0.20 chip py-mag marly seds	4+95E - 9+23N
R8916282	M89R262	2200	5	84.7	E19900	8	555	16.3			O.C. - 0.20 Chip cpy in marly seds	4+95E - 9+25N
R8916283	M89R263	5600	5	23.7	860	113	99	32.1	7.958	0.232	Float - 0.20 x0.20 v.f. grnd py-arseno	4+55E - 8+95N (cluster)
R8916284	M89R264	E15720	5	37.1	2600	E10950	E31700	27.7	11.525	0.336	Float - 0.20 x0.40 " mag.	" " possible
R8916285	M89R265	2560	5	12.9	1446	66	115	27.7			Float - 0.15 x 0.25 mal stain	" " common
R8916286	M89R266	E32000	5	44.2	2300	556	7070	27.6	39.788	1.160	Float - 0.15 x0.15 " "	" " source
R8916287	M89R267	6400	5	30.3	2020	E19900	84000	26.4	7.100	0.207	Float - 0.15 x 0.15 abundant sp	" "
R8916288	M89R268	180	5	2.3	522	64	149	31.7			Float - 0.30 x 0.40 v.f. grnd py-asp	mag " "
R8916289	M89R269	156	5	1.3	354	64	47	31.8			Float - 0.30 x 0.20 " & cpy	" "
R8916290	M89R270	152	5	1.7	348	28	36	31.2			Float - 0.20 x 0.20 "	" "
R8916291	M89R271	2080	5	16.8	2420	26	77	29.7			Float - 0.20 x 0.15 " mal stn	" "
R8916292	M89R272	E35200	5	81.8	4650	241	1670	29	46.648	1.361	Float - 0.20 x 0.35 " "	5+15E - 9+15N
R8916293	M89R273	E19800	5	48.3	5560	838	E11100	37.6	23.324	0.680	Float - 0.20 x 0.20 " "	" "
R8916294	M89R274	E11320	5	38	2650	270	9750	23.2	14.920	0.435	Float - 0.20 x 0.20 " "	" "
R8916295	M89R275	E13400	5	55.2	5080	184	167	31	19.414	0.566	Float - 0.30 x 0.40 " "	" "
R8916296	M89R276	E68000	5	90.4	6220	289	218	28.3	69.629	2.031	Float - 0.15 x 0.25 " "	" "

LAB NO	FIELD NUMBER	Au PPB	WT Au GRAM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Fe %	Au(1) G/T	Au(1) OZ/T	Description Size in meters	Location
R8916297	M89R277	E35200	5	61.1	5930	439	777	28.9	40.474	1.180	Float - 0.20x0.20 v.f. grnd py-mag cpy	5+15E - 9+15N (Cluster)
R8916298	M89R278	E23200	5	51.6	5700	486	6460	27.7	29.155	0.850	Float - 0.20x0.30 " "	" " " Common Source
R8916299	M89R279	1248	5	10.1	264	48	87	19.8			O.C. - 1.0m chip Silic contact-py	4+30E - 8+50N
R8916300	M89R280	840	5	4.1	787	19	55	18			O.C. - 1.0m chip " " " Bx	4+50E - 8+55N
R8916301	M89R281	34	5	E136	6100	59	469	23.6			O.C. - 0.80m chip silic Ls, Blk Arg-py	2E - 13+50N
R8916302	M89R282	<10	5	.8	87	7	15	23.1			O.C - 0.80m chip marcasite in Ls	2+90E - 14+90N
R8916303	M89R283	<10	5	2	1063	120	90	25			O.C - 1.0m chip marcasite in Ls	2+90E - 14+90N
R8916304	M89R284	<10	5	14.1	680	409	E87100	19			Float - 0.60x0.40 Bx Blk Arg - py string	3+30E - 13+80N
R8916305	M89R285	<10	5	14	611	323	E135000	18			Float - 0.40x0.30 " " "	3+30E 13+80N
R8916306	M89R286	2080	5	63.8	1385	9730	E17200	19.7			O.C. - 1.0m chip " " "	TRENCH 1 South Area 4+85E-5+49N
R8916307	M89R287	<10	5	18.6	412	2760	6270	16.2			O.C - 1.0m chip " " "	TRENCH 2 " 4+75E-5+52N
R8916308	M89R288	<10	5	18	553	3440	2850	8			O.C. - 1.0m chip " " "	" "
R8916309	M89R289	1054	5	48.4	1723	E11020	E10560	14.7			O.C. - 1.0m chip " " "	" "
R8916310	M89R290	480	5	12.6	839	261	4250	18.9			O.C. - 1.0m chip " " "	TRENCH 3 " 4+75E-5+57N
R8916311	M89R291	700	5	43.7	1166	E10580	E10150	18.3			O.C - 1.0m chip " " "	TRENCH 3 " " "
R8916312	M89R292	140	5	34.6	1132	3600	E10430	20.8			O.C - 1.0m chip " " "	" " " " "
R8916313	M89R293	24	5	17.7	333	80	1960	11			O.C - 1.0m chip " " "	TRENCH 4 " 4+79E-5+62N
R8916314	M89R294	<10	5	21.4	856	85	281	21.7			O.C. - 1.0m chip " " "	" " "
R8916315	M89R295	<10	5	24.9	1145	76	512	20.6			O.C. - 1.0m chip " " "	" " "
R8916316	M89R296	40	5	4.3	473	136	851	2.53			O.C. - 1.0m chip " " "	" " "
R8916317	M89R297	608	5	20.6	1060	1278	156	9.9			O.C - 1.0m chip " " "	TRENCH 5 " 4+81E-5+68N
R8916318	M89R298	20	5	13.6	740	60	65	16.3			O.C. - 1.0m chip " " "	" " " " "
R8916319	M89R299	<10	5	.9	122	7	36	5.1			O.C. - 1.0m chip " " "	" " " " "
R8916320	M89R300	<10	5	12.2	1216	86	111	22.7			O.C - 1.0m chip " " "	TRENCH 6 " 4+85E-5+87N
R8916321	M89R301	40	5	22.4	896	4930	9120	20.5			O.C - 1.0m chip " " "	" " " "
R8916322	M89R302	96	5	10.8	492	1014	E21400	24.3			O.C. -0.6m chip " " "	" " Face of 301 " "
R8916323	M89R303	E14060	5	83.3	4650	E25400	E104200	24.1	16.738	0.488	Float - 0.40x0.40 wh silica - crs py-asp, sp-ga	3+73E - 11+41N
[illegible]	M89R304	5220	5	F145	3380	E28000	E28100	26.2	6.345	0.185	Float - 1.0x1.5 crs grad py-arsenno-sp-ga	3+70E - 11+92N Cluster
R8916325	M89R305	E17760	5	E137	5790	E10490	E102000	24.3	20.580	0.600	Float - 0.40x0.40 Buff carbonate - sp-asp	3+68E - 11+39N similar
R8916326	M89R306	9720	5	37.6	1590	1690	E21400	26.5	10.564	0.308	Float - 1.0x0.80 Silic Bx - Py asp - sp-T	3+76E - 11+39N source?
R8916327	M89R307	E12400	5	36.4	1468	2520	E16700	25	13.891	0.405	Float - 0.30x0.20 " " "	3+76E - 11+62N
R8916328	M89R308	2480	5	37.7	534	E11300	9800	17			Float - 0.20x0.20 " " "	3+62E - 11+63N
R8916329	M89R309	1894	5	E123	901	E36000	E27500	14.2			Float - 0.30x0.40 Dk Brn Matrix - py string	3+67E - 11+27N
R8916330	M89R310	E10800	5	63.2	534	714	263	24.5	2.195	0.064	Float - 0.40x0.40 Blk Arg Bx - pg	3+67E - 11+38N
R8916331	M89R311	5000	5	29.2	918	3430	E15200	21.9	4.253	0.124	Float - 0.60x0.80 wh silic Bx Buff carb	3+80E - 11+70N
R8916332	M89R312	E13740	5	62.5	1146	2570	3000	28.6	14.063	0.410	Float - 0.40x0.40 massive crs py	3+74E - 11+76N

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Fe %	Au(1) G/T	Au(1) OZ/T	Des	Location	
R8916333	M89R313	3860	5	9.4	1418	77	104	27.7	3.842	0.112	0.C.-0.6omchip pyrite in Bx Matrix	3+59E	13+85N
R8916334	M89R314	6320	5	8.7	461	107	E51600	12.9	5.557	0.162	0.c.-0.40m chip silic banded py-sp-gn	3+55E -	13+85N Northwest Zone
R8916335	M89R315	1920	5	36.1	896	2000	E105400	22.2			0.C.-0.30m chip silic bnd sp-py-gn	3+54E -	13+85N "
R8916336	M89R316	4040	5	12	722	88	E77500	15.5	3.670	0.107	0.C.-0.40m chip silic bnd sp-py-gn	3+53E -	13+85N "
R8916337	M89R317	3060	5	78.8	1152	E13210	E111000	19.1	2.675	0.078	0.6-0.40m chip silic bnd sp-py-gn	3+52E -	13+85N "
R8916338	M89R318	4560	5	38.6	1327	3260	3190	26.5	4.802	0.140	0.C-0.60m chip py bands in Bx	3+90E-	11 N
R8916339	M89R319	4540	5	41.4	1090	272	361	26.2	3.979	0.116	0.C-0.60m chip " " " "	3+97E-	11 N

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

- Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
- Wt Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)
- Ag AQUA REGIA DECOMPOSITION / AAS
- Cu AQUA REGIA DECOMPOSITION / AAS
- Pb AQUA REGIA DECOMPOSITION / AAS
- Zn AQUA REGIA DECOMPOSITION / AAS
- Fe AQUA REGIA DECOMPOSITION / AAS
- Au(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)
- Au(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)
- Cu(1) ASSAY
- Pb(1) ASSAY
- Zn(1) ASSAY
- Ag(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)
- Ag(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)

METLA-WD

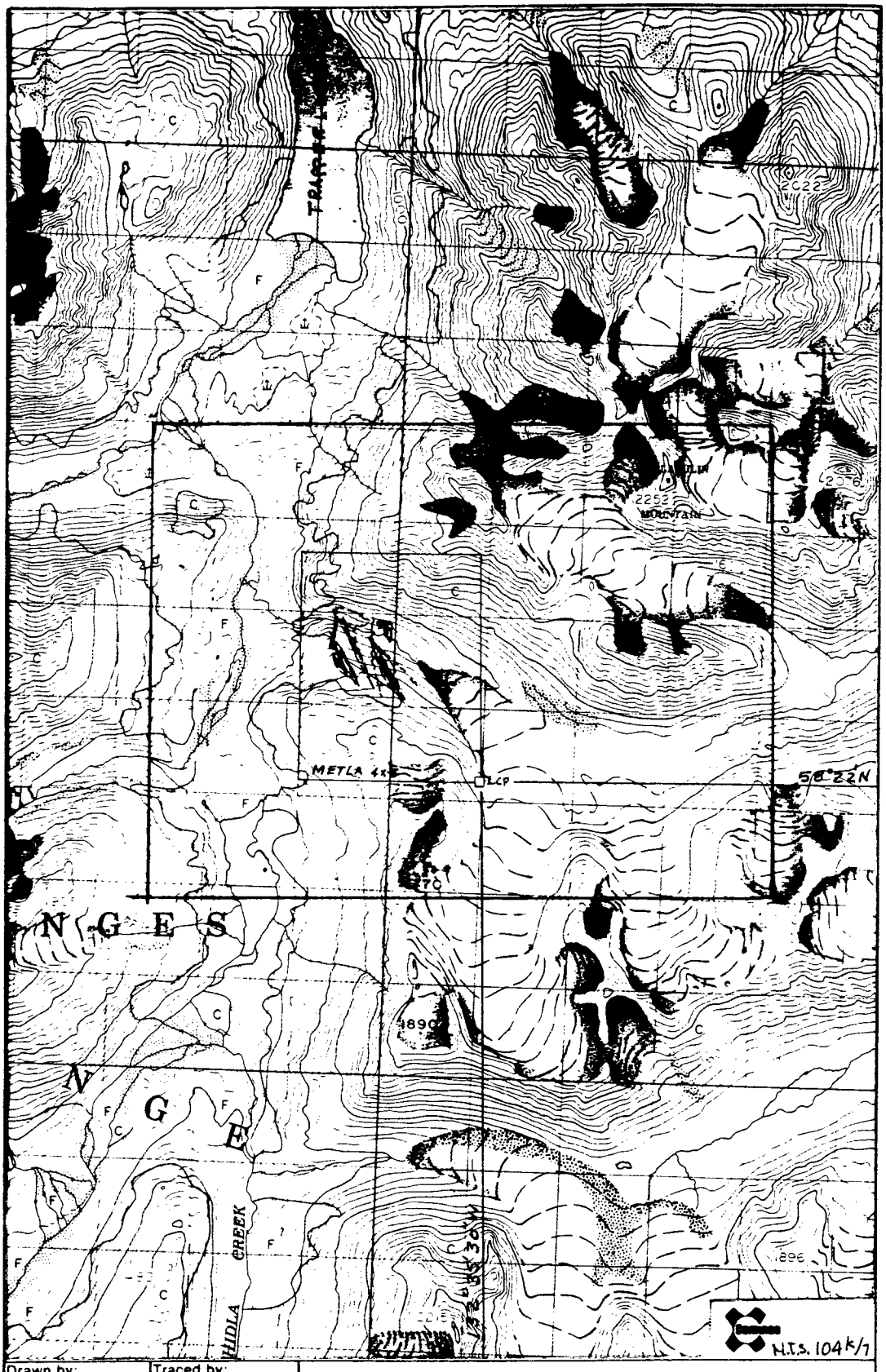
Job V 89-0451R
Report date 11 OCT 1989

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Fe %	Ag(1) G/T	Ag(1) OZ/T	Cu(1) %	Description Size in meters		Location
R8917446	M89R320	640	5	20.4	1337	272	259	29.1				o.c. - 0.60 chip from	8x Matrix cut by 4 bands	TRENCH II - South Zone 5462E 5470N
R8917447	M89R321	1084	5	E1675.0	E293000	278	61	27.8			29.10	Float - 0.40 angular block	massive cpy	6+03E - 8+07N
R8917448	M89R322	<10	5	2.7	303	14	29	3.69				o.c. - 0.50 chip of ultrabasic (pyroxenite)		3+50E - 11+20N

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
Wt Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)
Ag AQUA REGIA DECOMPOSITION / AAS
Cu AQUA REGIA DECOMPOSITION / AAS
Pb AQUA REGIA DECOMPOSITION / AAS
Zn AQUA REGIA DECOMPOSITION / AAS
Fe AQUA REGIA DECOMPOSITION / AAS
Ag(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)
Ag(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)
Cu(1) ASSAY



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date
ABm	Nov 88		

METLA CLAIM
Location Map

Scale: 1:50,000 | Date: Nov 88 | Plate: 2

NCI 112A CL

210-0610

NTS 104K

Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

METLA PROPERTY
Regional GeoLogy
G.S.C. Map 1262A

Scale: 1:250,000 | Date Nov/88 | Plate: 3

NCI 112A

CENOZOIC

TERTIARY AND QUATERNARY
LATE TERTIARY AND PLEISTOCENE
LEVEL MOUNTAIN GROUP

18 — *Basalt, olivine basalt, related pyroclastic rocks, in part younger than some of 19*

17 — *HEART PEAKS FORMATION: rusty-weathering trachyte and rhyolite flows, pyroclastic rocks, and related intrusions*

CRETACEOUS AND TERTIARY
LATE CRETACEOUS AND EARLY TERTIARY
SLOKO GROUP

Light green, purple and white rhyolite, dacite, and trachyte flows, pyroclastic rocks, and derived sediments

15 16 — *Probably genetically related to 14.*
15. Felsite, quartz-feldspar porphyry
16. Medium- to coarse-grained, pink, biotite-hornblende quartz monzonite

PRE-UPPER CRETACEOUS

13 — *CENTRAL PLUTONIC COMPLEX: granodiorite, quartz diorite; minor diorite, leuco-granite, migmatite and agmatite; age and relationship to 12 uncertain*

JURASSIC AND/OR CRETACEOUS
POST MIDDLE JURASSIC

12a, *hornblende-biotite granodiorite*; 12b, *biotite-hornblende quartz diorite*; 12c, *hornblende diorite*; 12d, *augite diorite. Age and relationship to 13 uncertain*

JURASSIC
LOWER AND MIDDLE JURASSIC
LABERGE GROUP (10, 11)

TAKWAHONI FORMATION. granite-boulder conglomerate, chert-pebble conglomerate, greywacke, quartzose sandstone, siltstone, shale

MESOZOIC

10 — *INKLIN FORMATION. well bedded greywacke, graded siltstone and silty sandstone, pebbly mudstone, limy pebble conglomerate; 10a, limestone*

TRIASSIC
UPPER TRIASSIC

9 — *SINWA FORMATION limestone; minor sandstone, argillite, chert*

STUHINI GROUP (7, 8)

7 — *7. Mainly volcanic rocks: andesite and basalt flows, pillow lava, volcanic breccia and agglomerate, lapilli tuff, minor volcanic sandstone, greywacke, and siltstone*
8 KING SALMON FORMATION thick bedded dark greywacke, conglomerate, mudstone, siltstone, and shale, minor andesitic lava, volcanic breccia, tuff, limestone, limy shale, locally enclosed in 7

LOWER OR MIDDLE TRIASSIC (?)

6 — *Fine- to medium-grained, strongly foliated diorite, quartz diorite; and minor granodiorite, age uncertain*

TRIASSIC AND EARLIER
PRE-UPPER TRIASSIC

4 — *Fine-grained, clastic sediments and intercalated volcanic rocks, largely altered to greenstone and phyllite; chert, jasper, greywacke, limestone; 4a, mainly chert, slate, argillite; minor greenstone; 4b, mainly greenstone; 4c, limestone, may include some 1*

Quartz-albite-amphibole gneiss; quartz-biotite schist, garnetiferous schist, augen gneiss, tremolite marble; mainly metamorphosed equivalents of 3 and 4, may be in part older than 3

PALEOZOIC

PERMIAN

3 — *Chiefly limestone and dolomitic limestone; minor chert, argillite, sandy limestone*

PERMIAN (?)

May not all be of the same age
1. Peridotite, serpentite, small irregular bodies of gabbro and pyroxene diorite
2. Fine- to medium-grained gabbro and pyroxene diorite

Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

METLA PROPERTY
Geological Legend
G.S.C. Map 1262A

Scale: | Date | Plate 3A

NCI 112A CL

FIGURE 1

View southerly across Metla Creek. The south breccia and mineralized area extends from the centre of the photo southeasterly for approximately 500 m.

FIGURE 2

View northerly across Metla Creek. The north breccia and mineralized zone is the darker brown area near the centre of the photo on the north side of the creek.

FIGURE 1

View to the southwest of the south breccia and mineralized area. Mineralized outcrops and extensive float occur from the outcrops of andesite-right hand side of photo to the left edge of the photo a distance of approximately 500 m. Trenching by hand in this material did not prove to be a very effective exploration method.

METLA PROPERTY

PLATE 12

FIGURE 1

View to the northeast of the northern breccia and mineralized area. Trenches were drilled and blasted in the outcrop immediately above the rusty stain above the creek near centre of photo. The breccia zone is approximately 300 m wide as noted by the buff brownish weathered colour.

METLA PROPERTY

PLATE 13

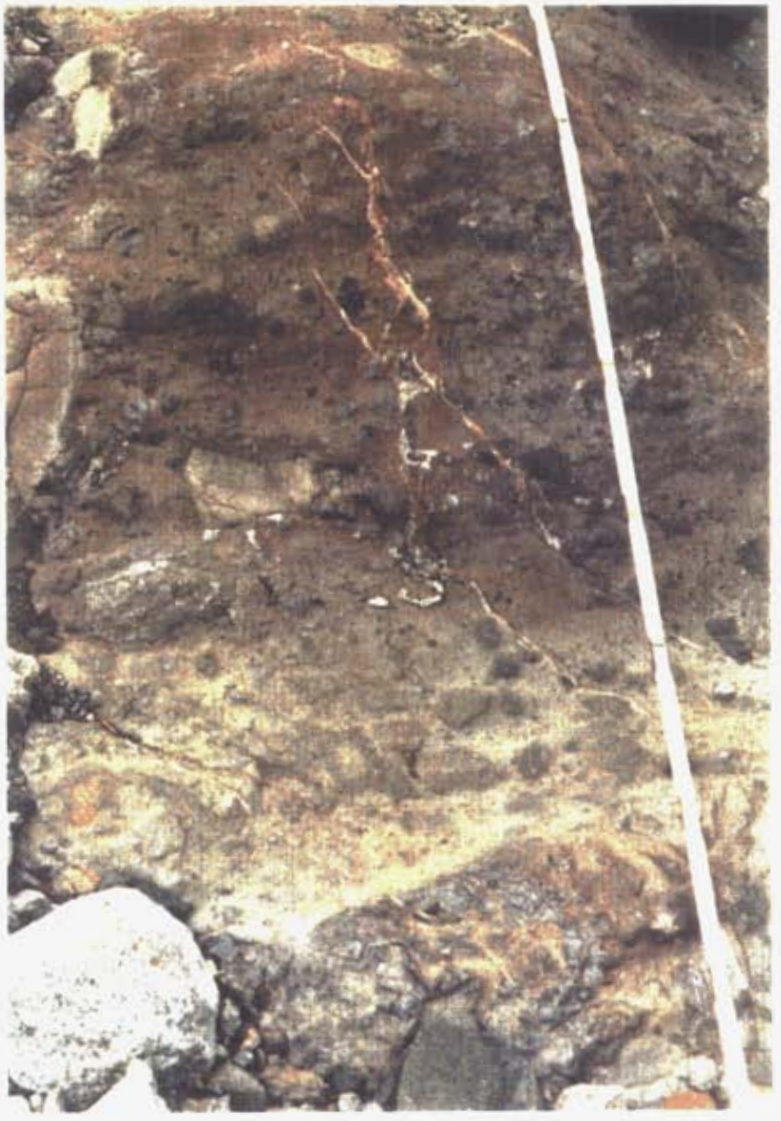


FIGURE 1

View of water worn surface of the intrusive (hydrothermal vent) breccia. The brownish weathering grey pyritic matrix supports clasts of black argillite, impure limestone, chert, andesitic to felsic volcanics and siliceous material of undetermined origin. Clast size varies from sand to several metres. Note late cross-cutting veinlets of quartz ankerite and calcite. Rule is 2 cm in length.

FIGURE 1

View of east contact of the south intrusive breccia illustrating the relatively smooth but irregular unaltered contact with thick bedded andesite.

FIGURE 2

View of east contact of the south intrusive breccia at a point 200 m south of Figure 1. This plate illustrates the chanelling? effect of the intrusive material, up through and across the general trend of the volcanics.

FIGURE 1

View of intrusive breccia contact, illustrating the sharp unaltered nature of the contact with the andesitic volcanics to the right.

FIGURE 2

Close-up view of Figure 1, clasts are matrix supported and size varies from sand to several centimeters. Clasts are composed of black limestone (buff weathering clast below card) white-grey chert, dark green volcanic, black argillite and siliceous material.

FIGURE 1

View illustrating late quartz-ankerite filled fault offsetting intrusive breccia-andesite contact. Offset block of andesite-breccia contact under hammer.

FIGURE 2

View illustrating abundant fuchsite in fracture zone in the north intrusive breccia. Hammer is 40 cm in length.

FIGURE 1

View of intrusive breccia illustrating the not uncommon feature noted near the contact, i.e. interbanded siliceous material ad pyritic carbonate matrix. Scale is in centimeters.

FIGURE 1

View of intrusive breccia cutting through calcareous and cherty sediments. Hammer is 40 cm in length.

FIGURE 2

Close-up view of Figure 1 illustrating the upward movement of sedimentary clast from near centre at photo plate.

FIGURE 1

View illustrating matrix supported clasts in small isolated breccia (pipe?) located at 7N-7E.

FIGURE 2

View illustrating matrix supported volcanic clasts in a block at 6+50E - 12N. The clasts are variably altered to white-grey talcy material and some show chloritic alteration rims.

FIGURE 1

View across the south intrusive breccia zone. The breccia outcrops intermittently from the foreground (Trench 13) to near the creek in the background, a distance of approximately 100 m.

FIGURE 2

View of typical siliceous breccia with coarse granular pyrite. This block of float is located at 5+70E - 7+25N. A chip sample across the crude banding assayed 5.2 grams Au.

FIGURE 1

View to southeast in the south zone of outcropping fractured black argillite filled with pyritic carbonate and patchy pyrite, sphalerite, galena and arsenopyrite. Trenches 1 to 5 were drilled and blasted in this material.

FIGURE 2

Close-up view of Figure 1. Black argillite clasts supported by a matrix of pyritic brown weathering carbonate and transected by or replaced by later sulphides. The sulphide material lies immediately under the hammer which is 40 cm in length.

LEGEND

6 O.// — MINERALIZATION: O Float cobbles to 1.5 m boulders, + in places as breccia matrix or as fracture filling, mineralization consists of pyrite, arsenopyrite, sphalerite, galena, chalcopyrite, tetrahedrite, boulangerite, bournonite, nicolite.

Bx or 5 — BRECCIA: hydrothermal vent breccia with a matrix of pyritic carbonate supporting clasts to large blocks of volcanics and sediments.

4 — RHYOLITE: white with quartz eyes, occurring as intrusive plugs or dykes and sills, also occurs as clasts in adjacent hydrothermal vent breccias.

3 — PYROXENITE: very dark green, very coarse crystalline with disseminated magnetite and chalcopyrite, contacts are chilled and very fine grained.

2 — SEDIMENT: black argillite and mudstone (pyritic) siltstone, black limestone, mainly argilliceous sediments, white weathering, grey fine laminated chert, siliceous grits. Interbedded andesite which may or may not be correlative with unit 1.

1 — ANDESITE: light to dark green, massive to thick bedded, in part an augite porphyry, minor interbedded lapilli tuff to ash tuff.

R286 — Sample Number and Location

Trenching

Geological Boundary (defined, approximate, assumed)

Fault (defined, inferred)

Outcrop Area - limit of mapping

Bedding (horizontal, inclined, vertical)

Foliation (horizontal, inclined, vertical)

50 — Fold Axis (trend - plunge)

Synform (trend, plunge)

Antiform (trend, plunge)

0 10 20 30 40 50 metres

2+00 E. 2+50 E. 3+00 E. 3+50 E. 4+00 E. 4+50 E. 5+00 E. 5+50 E. 6+00 E. 6+50 E.

13+00 N. 12+50 N. 12+00 N. 11+50 N. 11+00 N. 10+50 N. 10+00 N.

Baseline

1220m 4002'

1240m 4068'

1260m 4134'

1280m 4200'

Py, mineralized bx.

Py, silicified bx.

R308 R307 R306 R305 R304 R303 R302 R301 R300

Py stringers

Pyroxenite 3

Chilled borders partly altered R322

Py, qtz veinlets parallel to bedding

R318 040 m R319 060m.

Py, bands, lenses, lumps

Bx./5

And./1

Numerous faults and slips mostly in black argillite interbedded marly rocks

2/5 Bx.

Arg. fragments

Block, chl. bands, banded pyrite 2

Chl 5

Bx. arg. clasts 5

Bx. arg. 5

Arg. 2

Bx. pyritic chert 2

Bx. argillite carbonate matrix 2

Chert 2

Bx. arg. hematitic, carbonated 2

And./1, some bx./5

METLA CREEK

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,226

METLA PROPERTY SHEET 3

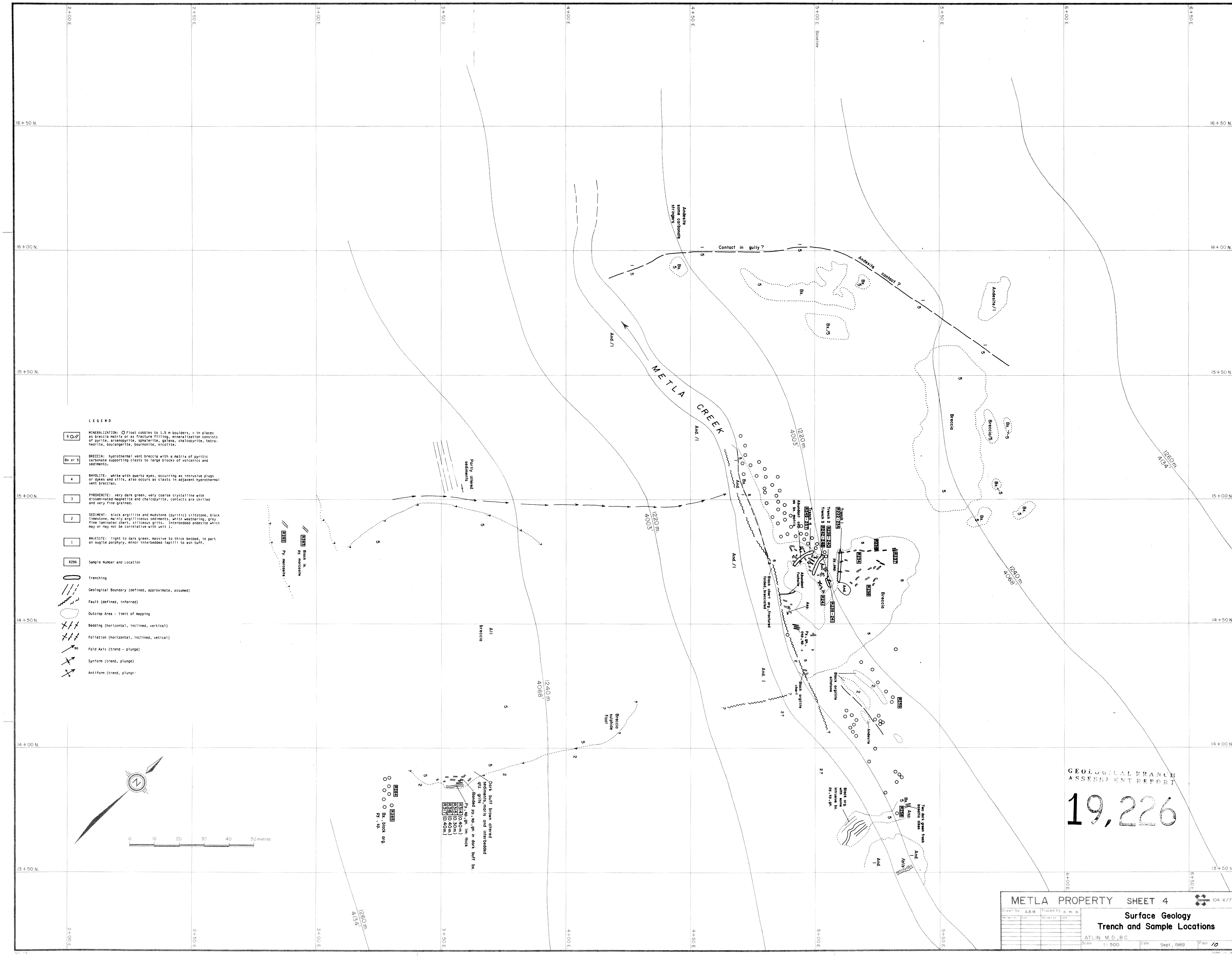
104 K/7

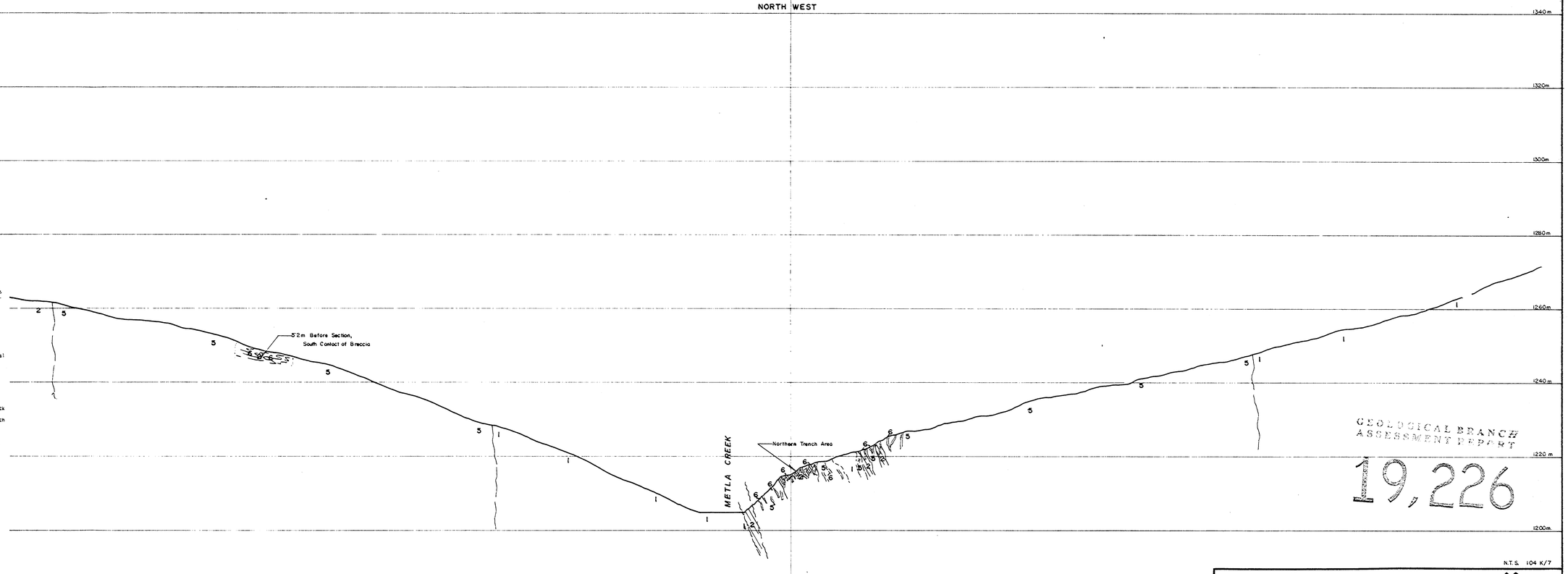
Drawn by: A.B.M	Traced by: a. m. a.
Revised by / Date	Revised by / Date

Surface Geology
Trench and Sample Locations

ATLIN M.D., B.C.

Scale 1:500 | Date Sept., 1989 | Plate 9


LEGEND
6 O,// MINERALIZATION: O Float cobbles to 1.5 m boulders, = in places as breccia matrix or as fracture filling, mineralization consists of pyrite, arsenopyrite, sphalerite, galena, chalcopyrite, tetrahedrite, boulangerite, bournonite, nicolite.
Bx or 5 BRECCIA: hydrothermal vent breccia with a matrix of pyritic carbonate supporting clasts to large blocks of volcanics and sediments.
4 RHYOLITE: white with quartz eyes, occurring as intrusive plugs or dykes and sills, also occurs as clasts in adjacent hydrothermal vent breccias.
3 PYROXENITE: very dark green, very coarse crystalline with disseminated magnetite and chalcopyrite, contacts are chilled and very fine grained.
2 SEDIMENT: black argillite and mudstone (pyritic) siltstone, black limestone, mainly argilliceous sediments, white weathering, grey fine laminated chert, siliceous grits. Interbedded andesite which may or may not be correlative with unit 1.
1 ANDESITE: light to dark green, massive to thick bedded, in part an augite porphyry, minor interbedded lapilli to ash tuff.
R286 Sample Number and Location
Trenching
Geological Boundary (defined, approximate, assumed)
Fault (defined, inferred)
Outcrop Area - limit of mapping
Bedding (horizontal, inclined, vertical)
Foliation (horizontal, inclined, vetical)
Fold Axis (trend - plunge)
Synform (trend, plunge)
Antiform (trend, plunge)
METLA CREEK
Contact in gully?
Andesite contact ?
Breccia
Partly altered sediments
All breccia
1220 m 4003'
1240 m 4068'
1260 m 4134'
16+50 N.
16+00 N.
15+50 N.
15+00 N.
14+50 N.
14+00 N.
13+50 N.
2+00 E
2+50 E
3+00 E
3+50 E
4+00 E
4+50 E
5+00 E Baseline
5+50 E
6+00 E
6+50 E
0 10 20 30 40 50 metres
GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,226
METLA PROPERTY SHEET 4
104 K/7
Drawn by A.B.M.
Traced by a. m. a.
Surface Geology
Trench and Sample Locations
ATLIN M.D., B.C.
Scale 1:500
Date Sept., 1989
Plate 10



LEGEND

- 6.0+ — MINERALIZATION: 0 Float cobbles to 1.5 m boulders, + in places as breccia matrix or as fracture filling; mineralization consists of pyrite, arsenopyrite, sphalerite, galena, chalcopyrite, tetrahedrite, boulangerite, bournonite, nicolite.
- 6a or 5 — BRECCIA: hydrothermal vent breccia with a matrix of pyritic carbonate supporting clasts to large blocks of volcanics and sediments.
- 4 — RHYOLITE: white with quartz eyes, occurring as intrusive plugs or dykes and sills, also occurs as clasts in adjacent hydrothermal vent breccias.
- 3 — PROXENITE: very dark green, very coarse crystalline with disseminated magnetite and chalcopyrite, contacts are chilled and very fine grained.
- 2 — SEDIMENT: black argillite and mudstone (pyritic) siltstone, black limestone, mainly argillaceous sediments, white weathering, grey fine laminated chert, siliceous grits, interbedded andesite which may or may not be correlative with unit 1.
- 1 — ANDESITE: light to dark green, massive to thick bedded, in part an augite porphyry, minor interbedded lapilli to ash tuff.
- 6286 — Sample Number and Location
- Trenching
- Geological Boundary (defined, approximate, assumed)
- Fault (defined, inferred)
- Outcrop Area - limit of mapping
- Bedding (horizontal, inclined, vertical)
- Foliation (horizontal, inclined, vertical)
- 30 — Fold Axis (trend - plunge)
- Synform (trend, plunge)
- Antiform (trend, plunge)

N.T.S. 104 K/7

METLA PROPERTY

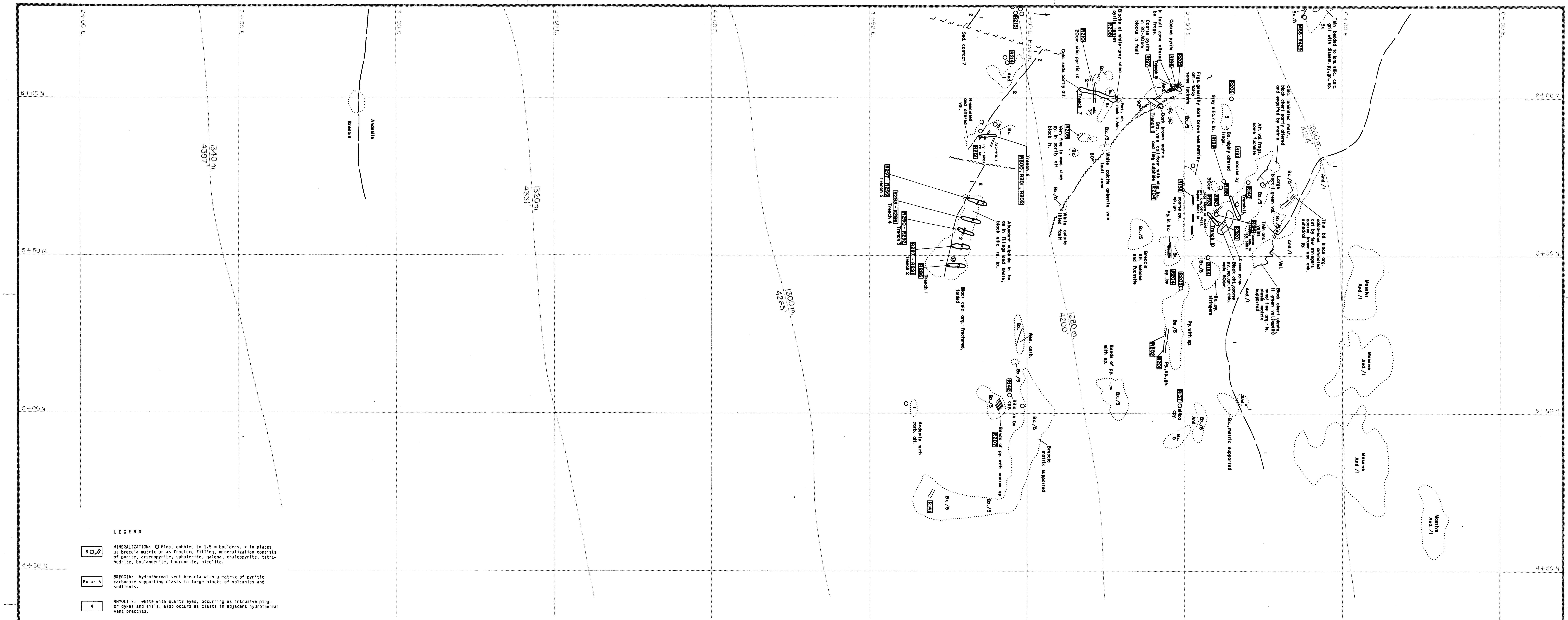
Drawn by: A.B.M. | Traced by: A.B.M.

Revised by	Date	Revised by	Date

CROSS-SECTION 14+50N
COMPOSITE GEOLOGY

Scale: 1:500 | Date: Oct 16/89 | Plate: 6

NCH-1186-C.L.



L E G E N D

6 O,//	MINERALIZATION: O Float cobbles to 1.5 m boulders, = in places as breccia matrix or as fracture filling, mineralization consists of pyrite, arsenopyrite, sphalerite, galena, chalcopyrite, tetrahedrite, boulangerite, bournonite, nicolite.
Bx or 5	BRECCIA: hydrothermal vent breccia with a matrix of pyritic carbonate supporting clasts to large blocks of volcanics and sediments.
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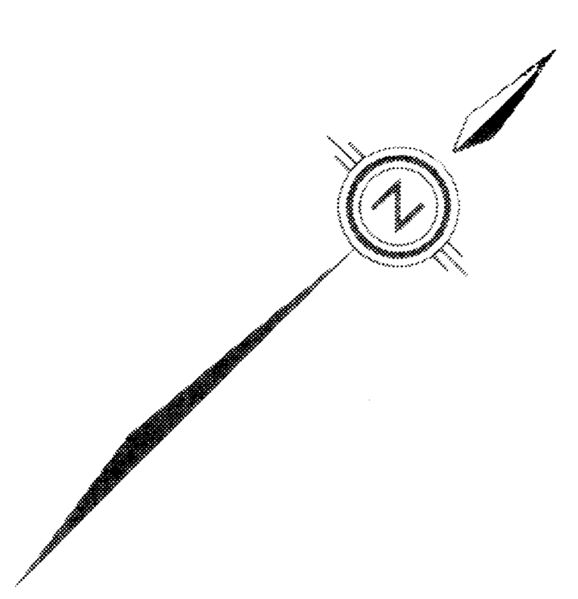
3	PYROXENITE: very dark green, very coarse crystalline with disseminated magnetite and chalcopyrite, contacts are chilled and very fine grained.
2	SEDIMENT: black argillite and mudstone (pyritic) siltstone, black limestone, mainly argilliceous sediments, white weathering, grey fine laminated chert, siliceous grits. Interbedded andesite which may or may not be correlative with unit 1.
1	ANDESITE: light to dark green, massive to thick bedded, in part an augite porphyry, minor interbedded lapilli to ash tuff.
R286	Sample Number and Location
	Trenching
	Geological Boundary (defined, approximate, assumed)
	Fault (defined, inferred)
	Outcrop Area - limit of mapping
	Bedding (horizontal, inclined, vertical)
	Foliation (horizontal, inclined, vetical)
	Fold Axis (trend - plunge)
	Synform (trend, plunge)
	Antiform (trend, plunge)



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,226

METLA PROPERTY SHEET I — 104 K/7

Drawn by: A.B.M. | Traced by: a. m. a.

Revised by | Date | Revised by | Date

Surface Geology
Trench and Sample Locations

ATLIN M.D., B.C.

Scale: 1 : 500 | Date: Sept., 1989 | Plate: 7

FORM 210-0680

LEGEND

60 — MINERALIZATION: ○ float cobbles to 1.5 m boulders, + in places as breccia matrix or as fracture filling, mineralization consists of pyrite, arsenopyrite, sphalerite, galena, chalcopyrite, tetrahedrite, boulangerite, bournonite, nicolite.

Bx or S — BRECCIA: hydrothermal vent breccia with a matrix of pyritic carbonate supporting clasts to large blocks of volcanics and sediments.

4 — RHYOLITE: white with quartz eyes, occurring as intrusive plugs or dykes and sills, also occurs as clasts in adjacent hydrothermal vent breccias.

3 — PYROXENITE: very dark green, very coarse crystalline with disseminated magnetite and chalcopyrite, contacts are chilled and very fine grained.

2 — SEDIMENT: black argillite and mudstone (pyritic) siltstone, black limestone, mainly argillaceous sediments, white weathering, grey fine laminated chert, siliceous grits. Interbedded andesite which may or may not be correlative with unit 1.

1 — ANDESITE: light to dark green, massive to thick bedded, in part an augite porphyry, minor interbedded lapilli to ash tuff.

R286 — Sample Number and Location

Trenching

Geological Boundary (defined, approximate, assumed)

Fault (defined, inferred)

Outcrop Area - limit of mapping

Bedding (horizontal, inclined, vertical)

Foliation (horizontal, inclined, vertical)

50 — Fold Axis (trend - plunge)

Synform (trend, plunge)

Antiform (trend, plunge)

0 10 20 30 40 50 metres

CAMP ELEV. 1219.2m 4000ft.

METLA CREEK

1240m 4068'

1260m 4134'

1280m 4200'

1300m 4265'

1320m 4331'

1340m 4397'

GEOLOGICAL BRANCH ASSESSMENT REPORT

19,226

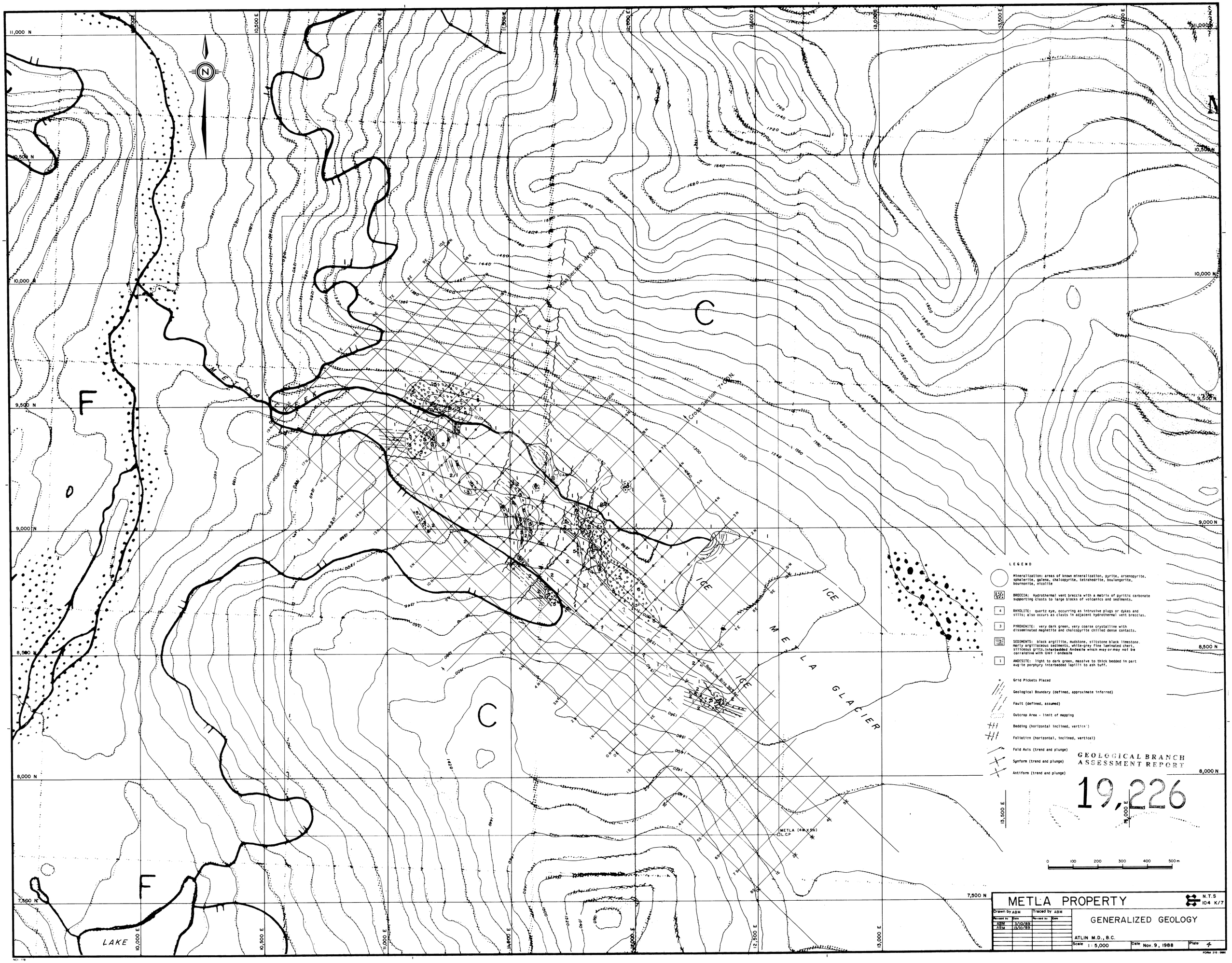
METLA PROPERTY SHEET 2 104 K/7

Surface Geology
Trench and Sample Locations

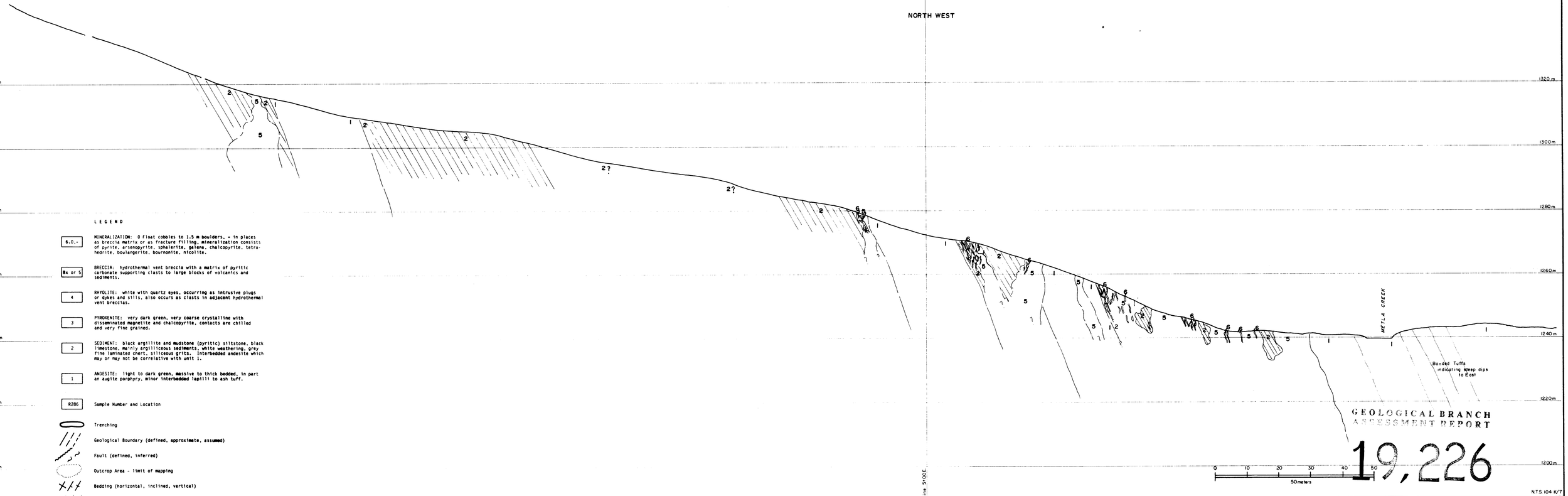
ATLIN M.D., B.C.

Drawn by: A.B.M. | Traced by: a. m. a.

Scale: 1 : 500 | Date: Sept., 1989 | Plate: 8


11,000 N
10,500 N
10,000 N
9,500 N
9,000 N
8,500 N
8,000 N
7,500 N
10,000 E
10,500 E
11,000 E
11,500 E
12,000 E
12,500 E
13,000 E
13,500 E
14,000 E
14,500 E
C
F
METLA CREEK
ICE
METLA GLACIER
LAKE
Cross Section 14,450 N
Cross Section 7,000 N
METLA (4W x 5N) D.L.C.P
LEGEND
Mineralization: areas of known mineralization, pyrite, arsenopyrite, sphalerite, galena, chalcopyrite, tetrahedrite, boulangerite, bournonite, ntcolite
BRECCIA: Hydrothermal vent breccia with a matrix of pyritic carbonate supporting clasts to large blocks of volcanics and sediments.
4 RHYOLITE: quartz eye, occurring as intrusive plugs or dykes and sills; also occurs as clasts in adjacent hydrothermal vent breccias.
3 PYROXENITE: very dark green, very coarse crystalline with disseminated magnetite and chalcopyrite chilled dense contacts.
SEDIMENTS: black argillite, mudstone, siltstone black limestone. marly argillaceous sediments, white-grey fine laminated chert, siliceous grits.interbedded Andesite which may or may not be correlative with Unit 1 andesite
1 ANDESITE: light to dark green, massive to thick bedded in part aug-te porphyry interbedded lapilli-t to ash tuff.
Grid Pickets Placed
Geological Boundary (defined, approximate inferred)
Fault (defined, assumed)
Outcrop Area - limit of mapping
Bedding (horizontal inclined, vertical)
Foliation (horizontal, inclined, vertical)
Fold Axis (trend and plunge)
Synform (trend and plunge)
Antiform (trend and plunge)
GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,226
0 100 200 300 400 500 m
METLA PROPERTY
N.T.S 104 K/7
GENERALIZED GEOLOGY
ATLIN M.D., B.C.
Drawn by ABM
Traced by ABM
Revised by ABM 3/10/89
Revised by ABM 13/10/89
Scale 1:5,000
Date Nov. 9, 1988
Plate 4

NORTH WEST



L E G E N D

- 6.0.+ — MINERALIZATION: O Float cobbles to 1.5 m boulders, + in places as breccia matrix or as fracture filling, mineralization consists of pyrite, arsenopyrite, sphalerite, galena, chalcopyrite, tetrahedrite, boulangerite, bournonite, nicolite.
- Bx or S — BRECCIA: hydrothermal vent breccia with a matrix of pyritic carbonate supporting clasts to large blocks of volcanics and sediments.
- 4 — RHYOLITE: white with quartz eyes, occurring as intrusive plugs or dykes and sills, also occurs as clasts in adjacent hydrothermal vent breccias.
- 3 — PYROXENITE: very dark green, very coarse crystalline with disseminated magnetite and chalcopyrite, contacts are chilled and very fine grained.
- 2 — SEDIMENT: black argillite and mudstone (pyritic) siltstone, black limestone, mainly argilliceous sediments, white weathering, grey fine laminated chert, siliceous grits. Interbedded andesite which may or may not be correlative with unit 1.
- 1 — ANDESITE: light to dark green, massive to thick bedded, in part an augite porphyry, minor interbedded lapilli to ash tuff.
- R286 — Sample Number and Location
- Trenching
- Geological Boundary (defined, approximate, assumed)
- Fault (defined, inferred)
- Outcrop Area - limit of mapping
- Bedding (horizontal, inclined, vertical)
- Foliation (horizontal, inclined, vertical)
- 90 — Fold Axis (trend - plunge)
- Synform (trend, plunge)
- Antiform (trend, plunge)

REFERENCE LINE is Base Line S100E

N.T.S. 104 K/7

METLA PROPERTY

Drawn by: ABM		Traced by: ABM	
Revised by	Date	Revised by	Date

CROSS-SECTION 7+00 NORTH
COMPOSITE GEOLOGY

Scale: 1:500 | Date: Oct 16/89 | Plate: 5

NCI - 120 - C.L.