MAP NO.	ASSESSMENT REPORT	X	DOCUMENT NO.: 092619
	PROSPECTUS		MINING DISTRICT: Whitehorse
	CONFIDENTIAL	X	TYPE OF WORK: Geological, geochemical
115 I 12	OPEN FILE		

REPORT FILED UNDER: Noranda Exploration Co. Ltd

DATE PERFORMED: 2-3 September, 1988 DATE FILED: 5 December, 1988

LOCATION: LAT.: 62 39'N AREA: Dawson Range

LONG.: 137 52'W VALUE $: 5600.00

CLAIM NAME & NO.: HAY 1-22 (YA95601-17; YB07853-4)

WORK DONE BY: H. Copland

WORK DONE FOR: Noranda Exploration Co. Ltd

DATE TO GOOD STANDING		REMARKS: #73 SELKIRK
		In 1988 the 1987 grid was infilled and extended. An east-
		trending anomaly about 350 m wide extends off the property to
		the west side, with values up to 1600 ppb Au, 9.6 ppm Ag and
		200 ppm As.

GEOLOGY & GEOCHEMISTRY

on the

HAY 1-22 CLAIMS

DAWSON RANGE

Whitehorse Mining District

N.T.S.: 115 I/12

Latitude: 62 39'N

Longitude: 137 52'W

Author: Hugh Copland

Owner: Noranda Exploration Co. Ltd.

(no personal liability)

September, 1988

09 2619

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 $ 500.00 .

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

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

CHAPTER ONE: INTRODUCTION

1-1: Introductory Statement

The Hay 1-22 claims are located east of Hayes Creek, approximately 25 km southeast of the confluence with Selkirk Creek and approximately 100 km northwest of Carmacks, Yukon Territory, within the unglaciated Dawson Range.

Hay 1-20 were originally staked in 1986 to cover an auriferous stream sediment result reported by the Geological Survey of Canada. During the 1986 field season, grid establishment and a brief soil sampling programme was conducted over previously trenched areas. In 1987, 12 mandays of furthur grid establishment, soil sampling and reconnaissance mapping were conducted over the southeast corner of the original claim block. Encouraging results led to the staking of the Hay 21 & 22 claims.

1-2: Location & Access

The Hay 1-22 claims (NTS 115 I/12) are located within the Dawson Range approximately 100 km. northwest of Carmacks Y.T., (fig. 1) at latitude 62 39' N and Longitude 137 57'W (fig. 2).

The property is drained to the west and north by small unnamed intermittant creeks which join Hayes and Selkirk Creeks respectively. Hayes Creek eventually joins Selkirk Creek which flows northerly into the Yukon River.

Access to the property is via helicopter from Carmacks. An old cat trail from the Revenue Creek road runs northwards along Hayes Creek and westward from Selkirk Creek. An old airstrip on the HBED Sam Claims lies approximately 2 km to the west.

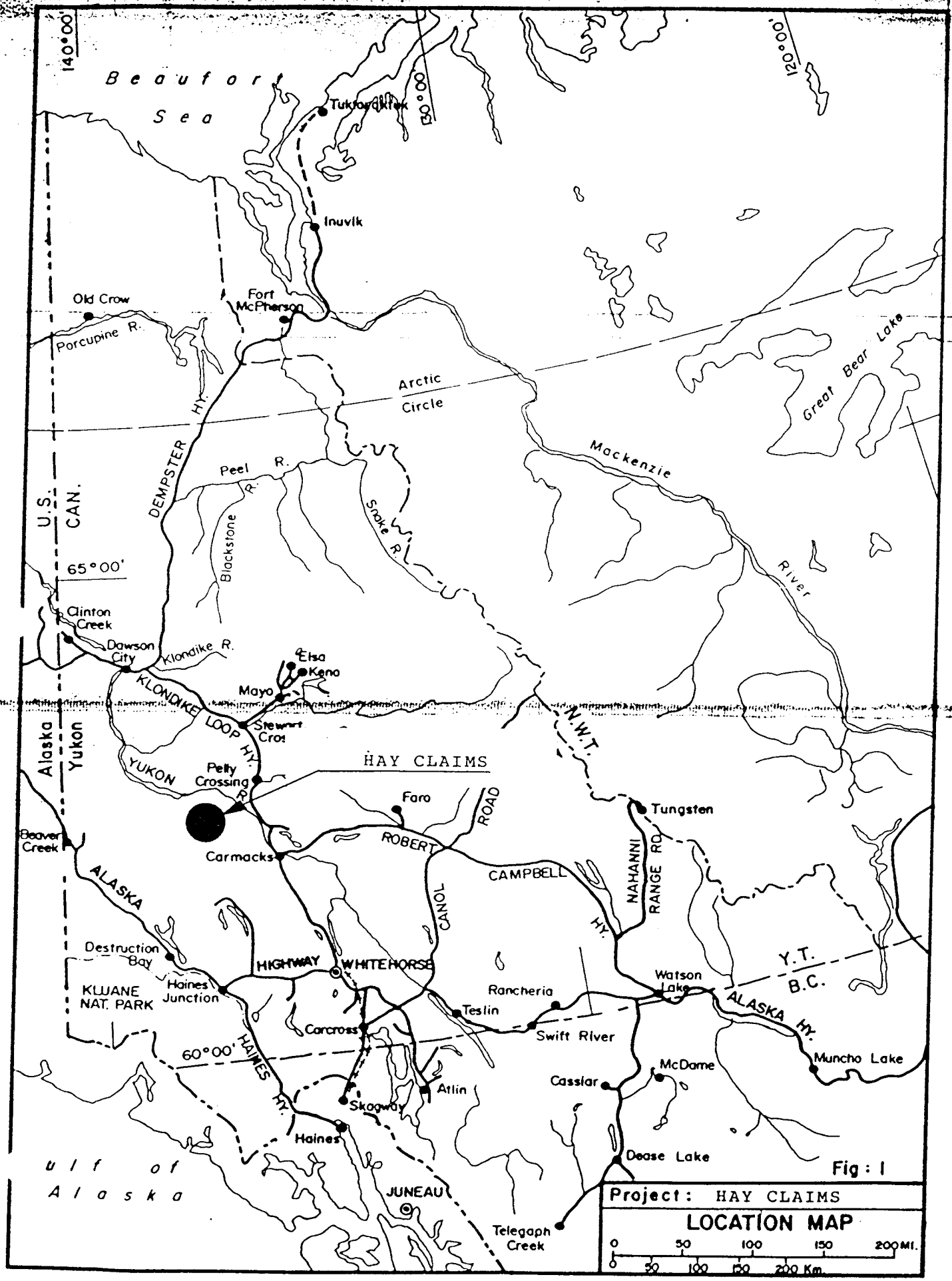


Fig : 1

YANCAL 1192

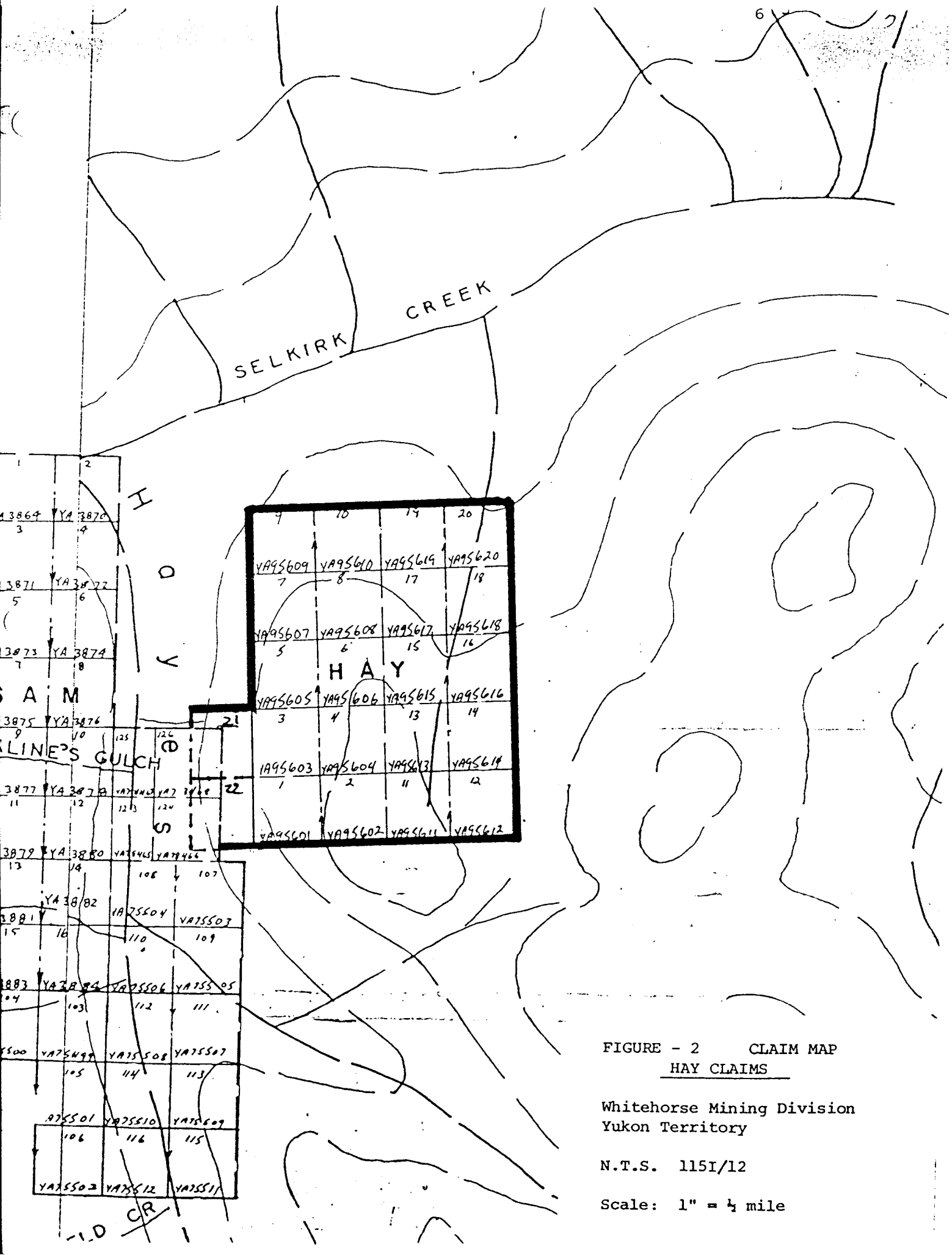


FIGURE - 2 CLAIM MAP
HAY CLAIMS

Whitehorse Mining Division
Yukon Territory

N.T.S. 115I/12

Scale: 1" = ½ mile

1-3: Physiography & Vegetation

The local relief of the claims is approximately 370m, with elevation varying from 1130m in the southwest to about 760m in the north. The topography is the result of erosion without glacial modification with topographic forms being characteristics of unglaciated regions. The Hay claim block is marked by rolling hills with steeply incised creeks.

The entire property is well forested with a mix of black spruce and poplar. The north facing slopes are devoid of trees, but have a very thick moss cover underlain in most places by permafrost.

1-4: History of the Claims

In 1969 J. Lerner & Associated staked 20 claims and later added 12 more as the Hayes 1-32 claims, which was optioned to Delta International Metals Ltd. as a Cu-Mo prospect. Delta explored by geological mapping and soil geochem in 1969 and 1970. Poor Cu and Mo results led to them dropping the options and the claims eventually lapsed.

In 1975, the area was restaked as the 'AS' claims by the DC Syndicate (Dome & Cominco) who trenched, soil sampled and geologically mapped the property. No results were published but the claims were restaked as the 'H' claims in 1979 by J. Lerner who carried out some further trenching in 1980, 1981.

In 1986 Noranda Exploration Co. Ltd. (NPL) staked the area as the Hay 1-20 claims, to cover auriferous stream sediment results reported by the GSC. In 1987, Noranda added the Hay 21 & 22 claims to cover an anomalous soil geochem gold horizon.

Upon the acceptance of this report, the status of the claims will be retained as follows;

Hay 1-11	YA 95601 - 611	Sept. 4, 1992
Hay 13	YA 95613	"
Hay 15	YA 95615	"
Hay 17	YA 95617	"
Hay 21-22	YB 07853 - 54	Sept. 4, 1992

1-5: Work Programme

On July 13, 1987, 4 Noranda personnel spent 1 day extending, establishing and soil sampled approximately 4300m of lines in the south west corner of the claim block. (fig. 3). One person spent the day performing reconnaissance style geological mapping of the area.

This programme was followed up on Sept. 2 & 3, 1987 when 4 Noranda personel detailed the previously established line and establishing new lines.

DATE	PERSONEL	POSITION	WORK
July 13/87	Randy Singh	Geologist	Geology
	Gordon Mackay	Student	Soil Sampling
	Meryl Trudzik	Assistant	" "
	Robert Copland	"	" "
Sept. 2&3/87	Randy Singh	Geologist	Geology
	Meryl Trudzik	Assistant	Soil Sampling
	Tim Daly	"	" "
	Robert Copland	"	" "

CHAPTER TWO: GEOLOGY

2-1: Regional Geology & Tectonic Setting

The Hay 1-22 claims lie within the Yukon Cataclastic Terrane, which consists of three assemblages of highly sheared and metamorphosed rocks that are not a stratigraphic sequence, but rather a structural stack. The oldest rocks of the area are the quartz mica schist and hornblende schists with lesser amounts of quartzite, gneiss and limestone which essentially makes up the Paleozoic or older Nisutlin Allochthnous Assemblage. The Triassic Lewes River group, Jurrasic Leberge series and the Jurrasic-Cretaceous Tantalum formation overlie the metamorphic assemblage. The metamorphic assemblages had been intruded by a least 3 series of events - the oldest being the Upper Triassic - mid Jurrasic hornblende granodiorite and related pink quartz monzonite which forms large discordant batholiths. The hornblende granodiorite may be subvolcanic roots of the Lewes River volcanics. The second intrusive is the more really extensive early Cretaceous biotite-quartz monzonite which ranges from being small discordant plugs in the northeast to large concordant batholiths in the southwest. The third set of intrusive are the Tertiary (Paleocene) hornblende granodiorite.

The Big Creek Fault located approximately 6 km south of the claim block is the major structural feature in the area. It is also thought that Hayes Creek defines a structural break but its significance and importance to possible mineralization in the area is uncertain.

2-2: Property Geology

Outcrop is sparse on the property except where exposed in previous trenches and dug up as subcrop in soil pits. The property is underlain

predominately by Yukon Group quartz-mica schist and chlorite schist. A band of northwest trending limestone in the centre of the claim block was reported but could not be substantiated. The metasediments are intruded by a Cretaceous quartz-feldspar porphyritic monzonite stock. A Tertiary argillically altered quartz-feldspar porphyry intrudes near the southwest boundary of the claims.

TABLE 1

TABLE OF FORMATIONS

QUATERNARY:

Selkirk Group: -basalt, andesite

TERTIARY

Carmacks Group: -andesite, basalt, conglomerate, sandstone

Mount Nansen Group -acid-intermediate tuff, breccia

JURASSIC & CRETACEOUS

Dezadeash Group: - argillite, greywacke, volcanic rocks

Tantalus FM: -conglomerate, siltstone, arkose, coal

JURASSIC

Laberge Group: -greywacke, arrkose, conglomerate

UPPER TRIASSIC

Lewes River Group: -limestone

MESOZOIC (undivided)

-quartz monzonite, granodiorite, foliated granodiorite

PALEOZOIC (undivided)

Pelly Gneiss: -foliated to gneissic granodiorite

CARBONIFEROUS & PERMIAN

Big Salmon Metamorphic Complex: -schist, gneiss

HARDRYNIAN & CAMBRIAN

-schist, gneiss, quartzite

CHAPTER THREE: GEOCHEMISTRY

3-1: Procedure

Initial sampling was performed on lines 150 metres apart with a 50 metre sample spacing. This was later tightened to a 50 metre line spacing with a 25 metre sample interval. A total of 206 soil and 19 rock samples were collected. Samples were collected from the B horizon where possible. The north facing slope on the claims is covered by a thick layer of moss with permafrost beneath. This hampered sampling on certain lines and a number of gaps remain in the survey.

All samples were shipped to Noranda's Vancouver Lab for preparation and analysis for Cu, Pb, Zn, Ag, As, Mo, Sb, Au and Hg analysis was done using standard geochemical procedures.

3-2: Results

Soil results show a good gold/silver/arsenic anomaly at L 9450 E and westward beyond the edge of the property. The trend appears to be east-west and is approximately 350 metres wide in the west narrowing to the east. Best values obtained are 1600 ppb Au (L 9450 E, 50275 N), 9.6 ppm Ag (L 9400E, 50125 N), and 200 ppm As (9450 E, 50575 N). Gold and silver values cut out abrubtly east of L 9450 E except for a few isolated numbers. Anomalous arsenic (greater than 100 ppm) does however occur to 10050 E and may represent a halo around the Au/Ag mineralization.

Since no outcrop occurs in the area it is difficult to speculate on the source of the anomalies. An east-west trending dyke of quartz-feldspar porphyry rhyolite occurs to the southwest and is known to be anomalous in gold on the Sam claims to the west.

CHAPTER FOUR: CONCLUSIONS & RECOMMENDATIONS

Close spaced soil sampling on the Hay claims has confirmed the existance of a westerly trending gold/silver/arsenic soil anomaly approximately 200 + metres long and 300 metres wide. A program of hand or perferably cat trenching is recommended over the anomaly to better determine its source.

Respectfully submitted by;

Hugh Copland

Project Geologist

REFERENCES

Copland, H.J.

1987: Geochemical Report on the Hay 1-20 Claims, Noranda Exploration Company Limited, Assessment Report

D.I.A.N.D

1981: Yukon Geology & Exploration, 1979-80, DIAND Geology Section Publication, 364 pp.

Dodson, E.D.

1970: Report on the Hayes Creek Property of Delta International Minerals Ltd. (NPL); Assessment Report No. 060207

Gutrath, G.

1970: Geological & Geochemical Report on the Hayes Claim Group of Delta International Minerals Ltd.; Assessment Report No. 060206

Tempelman-Kluit, D.J.

1974: Geology of Carmacks Area, Y.T.; GSC Open File No. 200.

STATEMENT OF QUALIFICATIONS

I, Hugh Copland of the City of Whitehorse, Yukon, do herby certify that:

1. I have been an employee of Noranda Exploration Company Limited (NPL) in Whitehorse since May, 1985.

2. I am a graduate of the University of British Columbia with a B.Sc. in Geology and of McMaster University, Hamilton, Ontario with a B.Eng..

3. I am a member of the Yukon Professional Geoscientist Society, and a fellow of the Geological Association of Canada.

4. I supervised work on the HAY Claims during 1987.

H. Copland

Hugh Copland
Project Geologist

GEOLOGICAL ASSOCIATION OF CANADA
H. J. Copland
FELLOW

STATEMENT OF COSTS

Work Performed Sept. 2&3, 1987.

LABOUR		
Field	8 mandays @ 110/day	$ 880.00
Office	3 mandays @ 110/day	330.00
		1210.00
FOOD & ACCOMMODATION		
	8 mandays @ 60/day	480.00
TRANSPORTATION		
Helicopter	(Carmacks to property)	
	Sept. 2 & 3 (2.5 hrs @ 600./hr.)	1500.00
Truck	(Rental Fuel, Oil)	
	3 days @ 60./day	180.00
		$1680.00
ANALYSIS		
206 soil	(Au, Ag, As, Hg, U) @ $15./sample	3090.00
9 rock	(Ag, Hg, Au, As) @20./sample	180.00
		3270.00
	TOTAL	$8140.00

APPENDIX 1

RESULTS

HA 1

NORANDA VANCOUVER LABORATORY

****

PROPERTY/LOCATION: HAY CODE :8709-047

Project No. : 373 Sheet:1 of 4 Date rec'd:SEPT.09
Material :207 SOILS Geol.:R.S. Date compl:SEPT.18
Remarks :

Values in PPM, except where noted.

SAMPLE No.	Ag	As	PPB Au
9300E-50025N	0.6	24	10
50050	1.8	52	10
50075	1.8	100	20
50175	7.0	180	100
50225	3.0	48	40
50275	2.0	80	40
50325	2.2	260	180
50375	1.4	88	40
50425	6.8	300	20
50475	2.4	80	10
50525	1.8	80	10
50575	0.8	60	10
9300E-50600N	0.2	34	20
9400E-50000N	0.2	8	10
50025	0.2	76	10
50050	0.4	6	10
50075	0.6	54	10
50100	0.8	180	30
50125	9.6	460	60
50150	9.4	140	10
50175	5.8	800	120
50225	1.8	170	80
50250	3.0	30	10
50275	2.4	70	20
50300	3.6	250	370
50325	1.0	120	10
50350	0.2	50	10
50375	0.6	74	10
50450	2.0	20	10
50475	1.0	160	10
50500	0.8	46	10
50525	1.2	100	30
50550	3.4	360	30
50575	0.6	36	10
9400E-50600N	0.2	110	10
9450E-50025N	0.4	20	10
50075	0.2	38	10
50175	0.6	370	40
50275	5.4	230	1600
50450	0.4	24	10
50475	0.4	86	10
50500	0.8	32	10
50525	2.4	50	10
50550	2.8	170	10
50575	9.2	2000	1100
9450E-50600N	1.4	160	10
9350E-50000N	0.2	16	10
9350E-50025N	0.2	28	10

SAMPLE No.	Ag	As	PPB Au
9350E-50050N	0.4	12	10
50075	0.4	30	10
50100	0.8	74	10
50125	8.2	260	70
50150	2.6	110	10
50175	3.2	420	20
50200	1.6	480	40
50275	1.4	180	70
50325	7.6	230	10
50350	1.2	130	30
50375	0.6	54	10
50400	1.0	40	10
50450	2.6	90	10
50475	1.4	36	10
50525	0.6	140	150
50550	3.6	500	40
50575	0.8	40	10
9350E-50600N	0.4	32	10
9675E-50000N	0.2	8	10
50025	0.8	36	10
50050	0.4	72	10
50075	0.4	60	10
50100	0.8	30	10
50125	0.8	110	10
50150	0.4	16	10
50200	0.4	120	10
50250	0.2	86	10
50275	0.2	36	10
50325	3.8	120	10
50350	0.4	20	10
50375	0.6	30	10
50400	0.6	52	10
50425	0.4	40	10
50450	2.2	18	10
50475	1.0	66	10
50500	42.0	370	10
50525	32.2	340	10
50550	1.4	32	10
50575	1.8	74	10
9675E-50600N	0.6	100	10
9750E-50000N	0.4	92	10
50025	0.2	18	10
50050	0.4	14	10
50100	0.4	4	10
50125	0.4	10	10
50150	0.2	28	10
50175	0.2	32	10
50200	0.2	58	10
50275	0.6	52	10
9750E-50200N	2.2	190	10
CHECK NL-5	1.4	60	-
9750E-50325N	1.0	100	10
50350	0.4	32	10
50375	0.8	66	10
50425	4.6	120	10
50475	1.2	230	10
9750E-50500N	1.6	76	10

SAMPLE No.	Ag	As	PPB Au
9750E-50525N	0.8	40	10
50550	0.8	180	10
50575	1.2	380	10
9750E-50600N	1.8	96	10
9825E-50000N	0.2	4	10
50025	0.2	12	10
50075	0.2	16	10
50125	0.8	40	10
50150	0.6	22	10
50175	1.8	160	10
50200	1.0	30	10
50225	0.2	16	10
50250	0.4	10	10
50275	0.4	34	10
50300	0.2	28	10
50325	0.2	48	10
50375	0.4	56	10
50400	0.4	90	10
50425	0.6	140	10
50450	1.4	240	10
50475	0.8	110	10
50500	0.8	56	10
50525	0.6	120	10
50550	0.6	80	10
50575	1.2	120	10
825E-50600N	0.8	180	10
9600E-50000N	0.2	10	10
50025	0.2	26	10
50050	1.4	120	10
50075	0.6	130	10
50100	0.2	14	10
50125	0.8	90	10
50150	3.8	400	10
50175	1.6	20	10
50200	0.2	1	I.S.
50225	0.2	6	10
50250	0.6	6	10
50275	1.4	90	10
50300	0.2	90	10
50325	1.2	120	10
50350	1.2	110	10
50375	0.6	20	10
50400	1.2	40	10
50425	1.2	44	10
50450	0.6	110	10
50475	0.4	4	10
50500	0.4	4	I.S.
50525	0.6	18	10
50550	7.2	850	10
50575	0.8	90	10
[illegible]E-50600N	0.6	94	10
[illegible]50E-50000N	0.4	8	60
50025	0.4	16	I.S.
50050	0.2	6	I.S.
50075	0.4	4	I.S.
50100	0.6	76	10
9550E-50125N	1.0	120	10

SAMPLE No.	Ag	As	PPB Au
9550E-50150N	3.2	390	10
50175	1.2	250	10
50200	1.4	320	10
50225	0.8	16	I.S.
50250	1.0	48	10
50275	7.8	140	10
50300	0.4	2	10
50325	1.2	14	10
50350	0.4	10	10
50375	1.6	140	10
50400	1.6	150	10
50425	1.0	58	10
50450	2.4	70	10
50475	1.0	160	10
50500	0.8	130	10
50525	1.0	80	10
50550	0.4	10	10
50575	1.0	180	10
9550E-50600N	1.0	130	10
9500E-50000N	0.2	40	10
50025	0.2	8	10
50050	0.4	12	10
50075	0.2	6	10
50100	5.0	330	10
50125	1.0	8	10
50150	3.2	810	50
50175	3.2	270	10
50200	0.2	6	10
50225	0.2	18	10
50250	1.8	520	10
50275	0.6	34	10
50300	0.2	14	10
50325	0.2	10	10
50350	2.2	86	20
50375	0.2	4	I.S.
50400	1.8	110	10
50425	0.2	10	10
50450	0.8	76	10
50475	1.2	98	20
50500	0.8	22	10
50525	0.8	70	10
50550	1.0	90	10
50575	3.0	210	30
9500E-50600N	0.4	150	10

I.S.= Insufficient sample

87-7-093

ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

TO : NORANDA EXPLORATION CO. LTD.
1050 DAVIE STREET
VANCOUVER B.C.
PROJECT: 312-F2 8707-093 HAY (RS)
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87398
INVOICE#: 7889
DATE ENTERED: 87-08-17
FILE NAME: NOR87398
PAGE # : 1

PRE FIX	SAMPLE NAME	PPM W	PPB Hg
P	9300E-49800N	1	40
P	49850N	1	20
P	49900N	2	10
P	49950N	1	20
P	50000N	1	20
P	50050N	1	10
P	50100N	2	40
P	50150N	2	40
P	50200N	1	20
P	50250N	1	10
P	50300N	1	10
P	50350N	1	20
P	50400N	5	20
P	50450N	1	60
P	50500N	1	30
P	9300E-50550N	1	20
P	9450E-49800N	1	20
P	49850N	1	20
P	49900N	2	20
P	49950N	1	20
P	50000N	5	40
P	50050N	5	20
P	50100N	2	20
P	50150N	10	20
P	50200N	15	40
P	50250N	5	20
P	50300N	20	40
P	50350N	2	20
P	9450E-50400N	1	60
P	9600E-49800N	1	40
P	49850N	2	40
P	49900N	2	20
P	49950N	2	20
P	50050N	2	60
P	50350N	2	30
P	50400N	2	30
P	9600E-50500N	5	50
P	9750E-49800N	2	30
P	9750E-49850N	2	40

r Whore' 38

CERTIFIED BY : [signature]

ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

TO : NORANDA EXPLORATION CO. LTD.
1050 DAVIE STREET
VANCOUVER B.C.

PROJECT: 312-F2 8707-093
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87398
INVOICE#: 7889
DATE ENTERED: 87-08-17
FILE NAME: NOR87398
PAGE # : 2

PRE FIX	SAMPLE NAME	PPM W	PPB Hg
P	9750E-49900N	1	10
P	49950N	1	10
P	50250N	1	40
P	50300N	2	10
P	50350N	2	30
P	50450N	1	60
P	9750E-50500N	1	30
P	9900E-49800N	5	40
P	49850N	5	20
P	49900N	2	40
P	49950N	2	60
P	50000N	1	80
P	50050N	2	10
P	50100N	1	50
P	50150N	1	20
P	50200N	1	20
P	50250N	INT	20
P	50300N	INT	40
P	50350N	1	40
P	9900E-50400N	1	40
P	49800N- 9350E	1	30
P	9400E	1	40
P	9650E	1	20
P	9700E	1	20
P	9950E	2	20
P	49800N-10000E	5	20
P	10050E-49800N	1	30
P	49850N	1	20
P	49900N	1	20
P	49950N	1	10
P	50000N	1	10
P	50050N	1	20
P	50100N	2	40
P	50150N	2	20
P	50200N	1	70
P	10050E-50250N	1	60
P	50000N- 9700E	1	20
P	50250N- 9950E	1	60
P	50250N-10000E	1	80

CERTIFIED BY : A. Rossbach

ROSSBACHER LABORATORY LTD.
2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

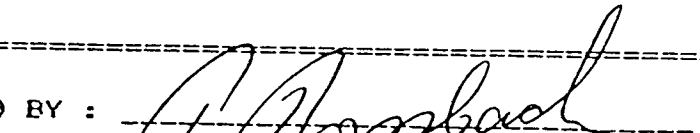
CERTIFICATE OF ANALYSIS

TO : NORANDA EXPLORATION CO. LTD.
1050 DAVIE STREET
VANCOUVER B.C.

PROJECT: 312-F2 8707-093
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87398
INVOICE#: 7889
DATE ENTERED: 87-08-17
FILE NAME: NOR87398
PAGE # : 3

PRE FIX	SAMPLE NAME	PPM W	PPB Hg
P	17077	1	40
P	17088	1	60
P	17089	1	100
P	17076	1	40
P	17079	1	10
P	17080	1	10
P	17081	1	10
P	17082	2	10
P	17083	1	20
P	17084	1	20
P	17085	1	20
	17086	20	20
P	17087	1	20

CERTIFIED BY : 

8709-043

JSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

O : NORANDA EXPLORATION CO. LTD.
1050 DAVIE STREET
VANCOUVER B.C. NBC Gen. (RS)
ROJECT: 373 8709-043
YPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87574
INVOICE#: 70102
DATE ENTERED: 87-09-22
FILE NAME: NOR87574
PAGE # : 1

RE IX	SAMPLE NAME	PPM Ag	PPB Hg	PPB Au	PPM As
A	17090	0.2	5	50	44
A	17091	1.6	40	40	20
A	17092	0.8	20	40	20
A	17093	0.8	10	40	24
A	17094	0.4	5	40	10
A	17095	0.4	5	20	12
A	17096	0.4	5	40	20
A	17097	0.4	5	40	76
A	17098	0.6	20	40	8

Coarse Cnl 3P

CERTIFIED BY : [signature]

Tuh :6G (Hay)

NORANDA VANCOUVER LABORATORY

****

PROJECT/LOCATION:HAY

CODE :8707-093

Project No. :312 Sheet:1 of 2 Date rec'd:JUL.16
Material :SILT, SOIL & Geol.:R.S. Date compl:JUL.28
Remarks :RX

Values in PPM, except where noted.

SAMPLE No.	Cu	Zn	Pb	Ag	As	Mo	Sb	PPB Au
9300E-49800N SOIL	34	86	8	0.2	84	2	8	10
49850	32	90	12	0.2	60	2	2	10
49900	10	74	8	0.2	28	2	6	10
49950	22	60	8	0.2	60	2	2	10
50000	12	90	8	0.2	24	2	1	10
50050	12	140	34	1.0	50	2	1	10
50100	32	120	66	3.8	180	2	22	160
50150	14	290	72	8.4	330	2	28	80
50200	68	630	140	9.2	430	2	50	110
50250	40	120	20	1.4	8	2	1	10
50300	26	220	44	1.8	210	2	4	30
50350	42	390	82	2.2	330	2	2	440
50400	84	270	410	9.4	770	2	46	210
50450	46	230	68	5.2	120	2	6	10
50500	24	160	70	1.6	100	2	6	10
0E-50550N	24	170	74	0.6	130	2	12	10
9450E-49800N	48	82	2	0.2	64	2	4	10
49850	42	86	6	0.2	86	2	1	10
49900	26	70	8	0.2	62	2	1	10
49950	42	120	10	0.2	120	2	1	10
50000	12	74	16	0.2	20	2	1	10
50050	10	76	16	0.2	84	2	2	10
50100	14	430	500	2.4	1100	2	50	50
50150	20	380	250	3.4	840	2	28	30
50200	22	300	180	2.0	700	2	16	70
50250	60	220	200	3.6	1900	2	36	220
50300	1100	750	1000	9.2	1600	2	56	630
50350	72	260	70	0.2	100	2	2	10
9450E-50400N	26	160	90	0.6	250	2	6	10
9600E-49800N	56	90	1	0.2	84	2	2	20
49850	38	62	2	0.2	90	2	4	10
49900	52	88	20	0.2	110	1	8	10
49950	76	94	6	0.2	40	2	2	10
50050	26	82	18	1.2	150	2	6	10
50350	22	130	36	1.0	160	2	2	10
50400	22	160	42	0.6	62	1	6	10
9600E-50500N	16	220	110	4.8	400	2	8	10
9750E-49800N	44	74	6	0.2	24	2	4	10
49850	42	62	1	0.2	44	2	4	10
CHECK NL-5	26	70	70	1.2	58	12	-	-
49900	22	56	1	0.2	28	1	4	10
49950	32	56	1	0.2	20	2	2	10
50250	24	50	8	0.2	26	1	2	10
50300	18	250	98	0.2	120	2	14	10
50350	20	110	6	0.4	12	1	2	10
50450	14	180	110	3.2	290	1	16	10
9750E-50550N	34	110	50	0.6	100	1	4	10
9900E-49800N SOIL	12	62	2	0.2	20	1	2	10

W/8 Hg to follow

SAMPLE No.	Cu	Zn	Pb	Ag	As	Mo	Sb	PPB Au
9900E-49850N SOIL	18	64	1	0.2	14	1	4	10
49900	24	64	1	0.2	30	1	1	10
49950	36	62	1	0.2	4	2	2	10
50000	24	66	1	0.2	6	1	1	10
50050	40	820	300	2.6	170	2	100	40
50100	28	250	160	2.2	340	2	40	10
50150	26	110	20	0.2	42	2	4	10
50200	10	72	14	0.2	66	1	6	10
50250	12	12	2	0.2	1	2	1	10
50300	8	40	1	0.2	1	2	2	10
50350	8	78	16	0.2	110	2	4	10
9900E-50400N	52	180	160	3.4	190	2	10	10
49800N-9350E	40	74	1	0.2	38	1	2	10
9400	50	78	1	0.2	46	2	1	10
9650	30	80	1	0.2	72	1	24	10
9700	28	60	1	0.2	38	1	4	10
9950	26	86	1	0.2	14	2	1	10
49800N-10000E	40	110	1	0.2	36	2	4	10
10050E-49800N	60	80	1	0.2	14	2	2	10
49850	34	74	1	0.2	1	2	4	10
49900	42	76	1	0.2	1	2	2	10
49950	44	56	1	0.2	24	2	6	10
50000	14	62	1	0.2	10	2	4	10
50050	32	74	1	0.2	8	2	2	10
50100	44	310	66	2.8	320	2	22	20
50150	14	60	8	0.2	14	2	4	10
50200	16	92	16	0.2	98	2	4	10
10050E-50250N	8	24	16	0.6	20	1	6	10
50000N-9700E	32	60	1	0.2	26	1	2	10
50250N-9950E	20	190	110	3.0	240	1	16	10
50250N-10000E	8	26	2	0.2	1	1	4	10
17077 SILT	20	210	88	1.0	200	1	18	10
17088	12	200	40	0.8	120	2	6	10
17089 SILT	10	130	34	0.2	80	2	2	10
17076 RX	4	42	8	0.2	16	1	4	10
17079	6	64	4	0.2	8	1	4	10
17080	2	80	1	0.2	12	1	2	10
17081	12	48	1	0.2	4	2	4	10
17082	2	26	1	0.2	1	1	2	10
17083	140	56	1	0.2	1	4	1	10
17084	6	48	1	0.2	1	2	2	10
CHECK NL-S	26	72	70	1.0	64	12	–	–
17085	8	50	1	0.2	1	2	2	10
17086	8	70	1	0.2	6	2	2	10
17087 RX	20	72	1	0.2	1	2	1	10

49888N 10450E
50025N 10425E
50060N 10100E
50164N 10075E
49990N 9875E
49800N 9850E
49750N 9860E
49700N 9875E
49800N 9825E

APPENDIX 2

ROCK SAMPLE DESCRIPTIONS

1/5

NORANDA EXPLORATIO... MPANY, LIMITED

N.T.S. 115I-12 / 115J-9

PROPERTY Hay Claims - Yukon General

DATE 2nd Sept. 1987

ROCK SAMPLE REPORT

PROJECT

...MPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
7090	mg - cg, well mineralized (5-7% Py)	5-7%	o/c	2m.								RK
	- porphyritic fabric Intrusive											
	- weak - mod carbonitized on fresh											
	surface, but v. strongly carbonitized											
	on weathered surface. - a buff -											
	creamy ~~pada~~ powder.											
	- up to 15% qtz - feld porphyries											
	c̄ 5-8% mafics - predominantly lg.											
	biotite xyls.											
	- 1 - 2cm. k-spar metasomatism along											
	fracture surface.											
	- mottled weathered surface											
	- qtz - xyls. looks like it has been											
	recrystallized.											

G = GEOCHEM A = ASSAY

62

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Hwy Claims - Yukon General

N.T.S. 115 I-12 & J-9

DATE Sept. 1987

PROJECT

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
17091	Mg - cg, mod - well mineralized (5-7% Py)	5-7%	o/c	4M.								RBW
	⇒ Porphyritic Felsic Intrusive ± biotite rich zones (up to 25%)											
	- highly recrystallized zones with no mafics											
	- v. weakly carbonatized on fresh surface but strongly carbonatized on slip surfaces											
	- mod. sheared & jointed ± qtz - carb. alt. on slip surfaces											
	- minor biotite ± chlorite ± epidote alt.											
17092	- strongly silicified, well mineralized felsic volc. / intrusive.	20%	o/c	3M.								
	- porphyritic in places											
	- rusty & highly broken up fog											
	- up to 20% Py throughout ± up to 50% Py stringers on slip surface											
	- not carbonatized											
	- moderately magnetic											

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY _____ DATE _____

ROCK SAMPLE REPORT

PROJECT _____

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
	R17092 (con't)		o/c									
	- minor (<5%) Chalcopyrite											
	<5% mafics - entirely magnetite											
17093	- highly sheared & altered (qtz - carb) felsic Rx. - qtzite ??	tr-1%	o/c	3m.								
	- highly silicified, mod. carbonatized => buff orange weathering											
	tr - 1% Py mineralization											
	- sugary textured Rx.											
	- somewhat bedded?											
17094	- gossanous - rusty & buff - beige weathered surface.	5-10%	o/c	3m								
	- silicified Meta sods? - qtzite											
	- well min. with up to 5-10% Py & minor Chalcopyrite.											

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115I 12 & 115J 15

PROPERTY Hitz Claims - Yukon Granite

DATE Sept. 1987

ROCK SAMPLE REPORT

PROJECT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
R17095	highly silicified & recrystallized felsic Rx. - well min with up to 10% Py	10%	o/c	3M.								RAU.
	- in places about a sericite schist - strongly sheared - rusty in places Schistosity 314/44°N											
R17096	- underlying R17095 - sericite shist, well min with up to 15% (10-15%) Py - ~~it~~ looks like it had been recrystallized	10-15%	o/c	2M								RAU
R17097	- underlying R17096 2M. wide extensively rusty & sheared & easily weathers - completely altered with the sericitized schist/felsic Rx.		o/c	2M								RAU

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Hay Claims – Yukon General

N.T.S. 115 I - 12 / 115 J - 9

DATE Sept. 1987

PROJECT

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G A	G A	G A	G A	G A	G A	G A	SAMPLED BY
17098	- 1.5 - 2.0 m wide zone	15-20%	o/c	1.5-2.0								KJ
	- strongly chloritized + mineralized c											
	lens of mariposite											
	- basic volc flow within a qtzite?											
	- 15-20% stratiform Py mineralization											
	- v. rusty zone.											

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115-I-12

PROPERTY Hay Claims - Dawson Range - Yukon Geological DATE July 15, 1987

ROCK SAMPLE REPORT

PROJECT 312

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
7076	Qz rich mica shist. Clay altered 1mm qz veins w clay + micas between.		Float									GCM
17079	coarse grained, moderately magnetic, weakly - moderately carbonatized & calcite coated fractures => Porphyritic Basic Intrusive - biotite rich in places & showing w minor biotite → ± chlorite alteration - up to 5% lg. qtz eyes throughout Rx. - overall mafics makes up 4 5% Rx. - Rx. exhibit minor K-spar vein - something along fractures & other fractures exhibits hematite staining - mafics are strongly magnetic - tr. clin Py throughout	tr.	o/c	.5M								RJL
	Location 49588 N 10450 E											

G = GEOCHEM A = ASSAY

NORANDA EXPLORATIC OMPANY, LIMITED

PROPERTY Flag Claims - Dawson Range - Yukon General

N.T.S. 115 - I - 12
DATE July 13/87
PROJECT # 312

ROCK SAMPLE REPORT

MPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
17080	50 025N 10 425E	3%	%	.3m								RG
	- c.g., moderately → strongly carbonitized porphyritic felsic intrusive c noticeable K-spar enrichment of alteration											
	- Mod. altered biotite → chlorite											
	- Mod - strongly magnetic c lts. rare hematite staining											
	- moderately min. throughout 3% Py. Mag.											
	- 5-10% qtz eyes throughout - glassy, distinctly more silicific											
17081	V.f.g., moderately - well developed schistosity 220/77°E, CHLORITE SCHIST	tr.	%	2m.								RG
	- strongly altered Mica - Chlorite - chlorite alteration											
	- Minor qtz. veining conformable to schistosity											
	- tr. Min Py.											
	- Mod - strongly silicified											

10 100E 50060N

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Hay Claims - Dawson Range - Yukon General

N.T.S. 115-I-12

DATE July 13/87

PROJECT * 312

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
17082	50 164 N 10075E	tr.	S/C ?	.5M								RJM.
	ufg - aphanitic felsic volcanic ? ± well developed foliations - weak to strongly magnetic - tr Py occur in blebs ± Minor Specular hematite.											
17083	19990 N 9875E	10-15%	S/C	2 M								RJM.
	- well mineralized 10-15% diss. Py, strongly chloritized ± well developed schistosity, moderately carbonatized MICA SCHIST — CHLORITE											
17084	19800 N 9850E	5%	S/C	5M.								
	ufg, chloritized MICA SCHIST ?? - strongly silicified ± 5% Py Mineralization - non magnetic & non carbonatized ± well developed schistosity & Mineral Segregation 200/40°E											

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Hay Claims - Dawson Range - Yukon

N.T.S. 115 - I - 12

DATE July 13/87

PROJECT # 312

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
17085	v.f.g, very silicified ± well developed foliation / mafic segregation ± fr. Mic. Py - Gneiss ?? 4975N 9860E	fr.	c/c	2M.								RJ
17086	4970N 9875E											
	- Med. grained - fine grained, v. silicified, well foliated/segregated fabric fr. - Gneiss - fr. mic. Py	fr.	c/c	3M								RJ
17087	v.f.g, highly sheared & altered well mineralized (5-7% Py) - no magnetic Volcanic ? 9825E 4980N	5-7%	c/c	2M								RJ

G = GEOCHEM A = ASSAY

Noranda HAY 1-20 Claims

1986 Sampled Area
(See separate maps - 1:2500)

50 900N
50 800N
50 600N
50 400N
50 200N
50 000N - BL
49 800N

To Hayes Crk
To Salvark Crk

RL 51
RL 53
RL 49

CP
Tr 1b (86)
Tr 1a (86)
Tr 2 (86)
Tr 3 (86)

Cat Trail
1986 Camp

SI7077
RI7076
SI7088
SI7089
RI7082
RI7081
RI7080
RI7083
RI7079
RI7087
RI7084
RI7085
RI7086

Silt (S)
Soil
Rock (R)

9 300E
9 350E
9 400E
9 450E
9 500E
9 550E
9 600E
9 675E
9 750E
9 825E
9 900E
10 050E
10 450E
10 900E

0 25 50 100 200 metres

Fig.:

REVISED	Mt. Freegold (HAY Claims)
	Soil Geochemistry (Silt & Rock Sample Location) 828
PROJ. No. 29	SURVEY BY:
N.T.S. 115 I 12	DRAWN BY: AI — DATE: — SCALE: 1:2500
DWG. No.	NORANDA EXPLORATION — OFFICE: Whitehorse

VANCAL 8523

9300E 9350E 9400E 9450E 9500E 9550E 9600E 9650E 9675E 9700E 9750E 9825E 9900E 9950E 10000E 10050E

50600N
50500N
50400N
50300N
50200N
50100N
50000N
49900N
49800N

9300E	9350E	9400E	9450E	9500E	9550E	9600E	9650E	9675E	9700E	9750E	9825E	9900E	9950E	10000E	10050E
20/0.2	10/0.4	10/0.2	10/1.4	10/0.4	10/1.0	10/0.6	10/0.6	10/1.8	10/0.8						
10/0.8	10/0.8	10/0.6	1100/9.2	30/3.0	10/1.0	10/0.8	10/1.8	10/1.2	10/1.2						
10/0.6	40/3.6	30/3.4	10/2.8	10/1.0	10/0.4	10/7.2	10/1.4	10/0.6	10/0.6						
10/1.8	150/0.6	30/1.2	10/2.4	10/0.8	10/1.0	10/0.6	10/32.2	10/0.8	10/0.6						
10/1.6		10/0.8	10/0.8	10/0.8	10/0.8	10/4.8	10/42.0	10/1.6	10/0.8						
10/2.4	10/1.4	10/1.0	10/0.4	20/1.2	10/1.0	10/0.4	10/1.0	10/1.2	10/0.8						
10/5.2	10/2.6	10/2.0	10/0.4	10/0.8	10/2.4	10/0.6	10/2.2	10/3.2	10/1.4						
20/6.8				10/0.2	10/1.0	10/1.2	10/0.4	10/4.6	10/0.6						
210/9.4	10/1.0		10/0.6	10/1.8	10/1.6	10/0.6	10/0.6		10/0.4				10/3.4		
40/1.4	10/0.6	10/0.6		I.S./0.2	10/1.6	10/0.6	10/0.6	10/0.8	10/0.4						
440/2.2	30/1.2	10/0.2	10/0.2	20/2.2	10/0.4	10/1.0	10/0.4	10/0.4					10/0.2		
180/2.2	10/7.6	10/1.0		10/0.2	10/1.2	10/1.2	10/3.8	10/1.0	10/0.2						
30/1.8		370/3.6	630/9.2	10/0.2	10/0.4	10/0.2		10/0.2	10/0.2				10/0.2		
40/2.0	70/1.4	20/2.4	1600/5.4	10/0.6	10/7.8	10/1.4	10/0.2	10/0.6	10/0.4						
10/1.4		10/3.0	220/3.6	10/1.8	10/1.0	10/0.6	10/0.2	10/0.2	10/0.4				10/0.2	10/3.0	10/0.2	10/0.6
40/3.0		80/1.8		10/0.2	I.S./0.8	10/0.2			10/0.2						
110/9.2	40/1.6		70/2.0	10/0.2	10/1.4	I.S./0.2	10/0.4	10/2.2	10/1.0				10/0.2		10/0.2
100/7.0	20/3.2	120/5.8	40/0.6	10/3.2	10/1.2	10/1.6		10/0.2	10/1.8						
80/8.4	10/2.6	10/9.4	30/3.4	50/3.2	10/3.2	10/3.8	10/0.4	10/0.2	10/0.6				10/0.2		10/0.2
	70/8.2	60/9.6		10/1.0	10/1.0	10/0.8	10/0.8	10/0.4	10/0.8						
160/3.8	10/0.8	30/0.8	50/2.4	10/5.0	10/0.6	10/0.2	10/0.8	10/0.4					10/2.2		20/2.8
20/1.8	10/0.4	10/0.6	10/0.2	10/0.2	I.S./0.4	10/0.6	10/0.4		10/0.2						
10/1.8	10/0.4	10/0.4	10/0.2	10/0.4	I.S./0.2	10/1.2	10/0.4	10/0.4					40/2.6		10/0.2
10/0.6	10/0.2	10/0.2	10/0.4	10/0.2	I.S./0.4	10/0.2	10/0.8	10/0.2	10/0.2						
10/0.2	10/0.2	10/0.2	10/0.2	10/0.2	60/0.4	10/0.2	10/0.2 10/0.2	10/0.4	10/0.2				10/0.2		10/0.2
10/0.2			10/0.2			10/0.2		10/0.2							
10/0.2			10/0.2			10/0.2		10/0.2							
10/0.2			10/0.2			10/0.2		10/0.2							
10/0.2	10/0.2	10/0.2	10/0.2			20/0.2	10/0.2	10/0.2					10/0.2	10/0.2	10/0.2

BASELINE 90°

09 26 19

50m 25m 0m 50m 100m

HAY 829

GEOCHEMICAL SURVEY

PPB Au / PPM Ag

PROJECT: HAY CLAIMS PROJECT # : 312

BASELINE AZIMUTH : 90 Deg.

SCALE = 1: 2500 DATE : 7/28/87

SURVEY BY : HC NTS :

FILE: C373HAY

NORANDA EXPLORATION

9300E 9350E 9400E 9450E 9500E 9550E 9600E 9650E 9675E 9700E 9750E 9825E 9900E 9950E 10000E 10050E

50600N
50500N
50400N
50300N
50200N
50100N
50000N
49900N
49800N

9300E	9350E	9400E	9450E	9500E	9550E	9600E	9650E	9675E	9700E	9750E	9825E	9900E	9950E	10000E	10050E
34/n.a.	32/n.a.	110/n.a.	160/n.a.	150/n.a.	130/n.a.	94/n.a.		100/n.a.	96/n.a.	180/n.a.					
60/n.a.	40/n.a.	36/n.a.	2000/n.a.	210/n.a.	180/n.a.	90/n.a.		74/n.a.	380/n.a.	120/n.a.					
130/12	500/n.a.	360/n.a.	170/n.a.	90/n.a.	10/n.a.	850/n.a.		32/n.a.	100/4	80/n.a.					
80/n.a.	140/n.a.	100/n.a.	50/n.a.	70/n.a.	80/n.a.	18/n.a.		340/n.a.	40/n.a.	120/n.a.					
100/6		46/n.a.	32/n.a.	22/n.a.	130/n.a.	400/8		370/n.a.	76/n.a.	56/n.a.					
80/n.a.	36/n.a.	160/n.a.	86/n.a.	98/n.a.	160/n.a.	4/n.a.		66/n.a.	230/n.a.	110/n.a.					
120/6	90/n.a.	20/n.a.	24/n.a.	76/n.a.	70/n.a.	110/n.a.		18/n.a.	290/16	240/n.a.					
300/n.a.				10/n.a.	58/n.a.	44/n.a.		40/n.a.	120/n.a.	140/n.a.					
770/46	40/n.a.		250/6	110/n.a.	150/n.a.	62/6		52/n.a.		90/n.a.			190/10		
88/n.a.	54/n.a.	74/n.a.		4/n.a.	140/n.a.	20/n.a.		30/n.a.	66/n.a.	56/n.a.					
330/2	130/n.a.	50/n.a.	100/2	86/n.a.	10/n.a.	160/2		20/n.a.	12/2				110/4		
260/n.a.	230/n.a.	120/n.a.		10/n.a.	14/n.a.	120/n.a.		120/n.a.	100/n.a.	48/n.a.					
210/4		250/n.a.	1600/56	14/n.a.	2/n.a.	90/n.a.			120/14	28/n.a.			1/2		
80/n.a.	180/n.a.	70/n.a.	230/n.a.	34/n.a.	140/n.a.	90/n.a.		36/n.a.	52/n.a.	34/n.a.					
8/1		30/n.a.	1900/36	520/n.a.	48/n.a.	6/n.a.		86/n.a.	26/2	10/n.a.			1/1	240/16	1/4	20/6
48/n.a.		170/n.a.		18/n.a.	16/n.a.	6/n.a.				16/n.a.					
430/50	480/n.a.		700/16	6/n.a.	320/n.a.	1/n.a.		120/n.a.	190/n.a.	30/n.a.			66/6			96/4
180/n.a.	420/n.a.	800/n.a.	370/n.a.	270/n.a.	250/n.a.	20/n.a.			32/n.a.	160/n.a.					
330/28	110/n.a.	140/n.a.	840/26	810/n.a.	390/n.a.	400/n.a.		16/n.a.	28/n.a.	22/n.a.			42/4			14/4
	260/n.a.	460/n.a.		8/n.a.	120/n.a.	90/n.a.		110/n.a.	10/n.a.	40/n.a.					
180/22	74/n.a.	180/n.a.	1100/50	330/n.a.	76/n.a.	14/n.a.		30/n.a.	4/n.a.				340/40			320/22
100/n.a.	30/n.a.	54/n.a.	38/n.a.	6/n.a.	4/n.a.	130/n.a.		60/n.a.		16/n.a.						
52/1	12/n.a.	6/n.a.	84/2	12/n.a.	6/n.a.	150/6		72/n.a.	14/n.a.				170/100			8/2
24/n.a.	28/n.a.	76/n.a.	20/n.a.	8/n.a.	16/n.a.	26/n.a.		36/n.a.	18/n.a.	12/n.a.						
24/1	16/n.a.	8/n.a.	20/1	40/n.a.	8/n.a.	10/n.a.		8/n.a. 26/2	92/n.a.	4/n.a.			6/1			10/4
60/2			120/1			40/2			20/2				4/2			24/6
28/6			62/1			110/8			28/4				30/1			1/2
60/2			86/1			90/4			44/4				14/4			1/4
84/8	32/2	46/1	64/4			84/2		72/24	24/4				20/2	14/1	36/4	14/2

BASELINE 90°

092619

50m 25m 0m 50m 100m

HAY 830

GEOCHEMICAL SURVEY

PPM As / PPM Sb

PROJECT: HAY CLAIMS PROJECT # : 312

BASELINE AZIMUTH : 90 Deg.

SCALE - 1: 2500 DATE : 7/28/87

SURVEY BY : HC NTS :

FILE: C373HAY

NORANDA EXPLORATION