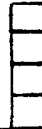


MAP No.

115 G 5

ASSESSMENT REPORT
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CONFIDENTIAL
OPEN FILE



TYPE OF
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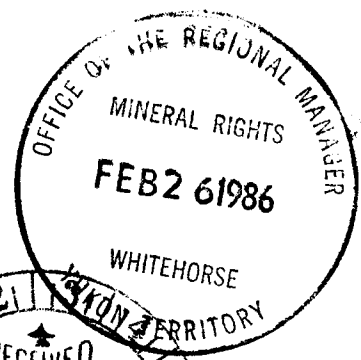
GEOLOGY
GEOCHEMISTRY

REPORT FILED UNDER	NORANDA EXPLORATION CO. LTD. (N.P.L.)	DOCUMENT NO. 091786
DATE PERFORMED	JULY 1985	DATE FILED: FEBRUARY 25, 1986
LOCATION - LAT.	61°18'N	AREA: BURWASH
LONG.	139°30'W	
CLAIM NO.	WADE 1-38 YA85959-YA85996	
VALUE \$	3,800.00	
WORK DONE BY	M.P. WEBSTER	
WORK DONE FOR	NORANDA EXPLORATION CO. LTD. (N.P.L.)	
REMARKS	<p>The Wade claims lie between the Duke River depression and the Denali fault zone. The property is underlain by Upper Triassic Nikolai greenstone and Permian-Triassic pyroxene gabbro. The Amphitheatre Formation overlies these rocks unconformably and consists of nonmarine sediments and some coal.</p>	

11-WADE

091786

400 85 p. 209



GEOLOGY AND GEOCHEMISTRY

of the

WADE 1-38 CLAIMS

Whitehorse Mining District

N.T.S. 115 G/5

Latitude 61°18'

Longitude 139°30'

Author: M.P. Webster

Owner: Noranda Exploration Company, Limited
(No Personal Liability)

Date: January, 1986

09 1786

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 3,880⁰⁰.

 19 March 1985

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

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APPENDIX 4:	Geochemical Results

SUMMARY

This report describes the results of an initial detailed property exploration program carried out July 3-9, 1985 by Noranda Exploration Company, Limited (N.P.L.) on the WADE 1-38 claims.

The property was recorded October 18, 1984 and covers geochemical anomalies found in rock, soil, silt and pan concentrate samples obtained during the Aishihik-Kluane regional reconnaissance programs carried out from 1982 to 1984. The property is bounded on the SW by Kluane National Park.

Anomalous gold values as high as 31,000 ppb Au were found in pan concentrate and silt samples within the drainage basin of the property in 1983-1984. Soil samples taken from the Amphitheatre Formation on the central ridges of the property also proved anomalous in gold. The purpose of the 1985 work program was to geologically map and prospect the claims and systematically sample the Amphitheatre Formation by soil and bulk sampling methods.

The Amphitheatre Formation was found to be a gold source and may include several paleoplacer deposits. Further exploration programs should include grade and tonnage evaluation of these potentially economic placer gold deposits within the Amphitheatre Formation. Multi-element anomalies were found associated with quartz veins and gossanous fault and/or shear zones within the Nikolai andesite and further work must be done in order to fully evaluate these showings.

CHAPTER ONE: INTRODUCTION

1-1: INTRODUCTORY STATEMENT

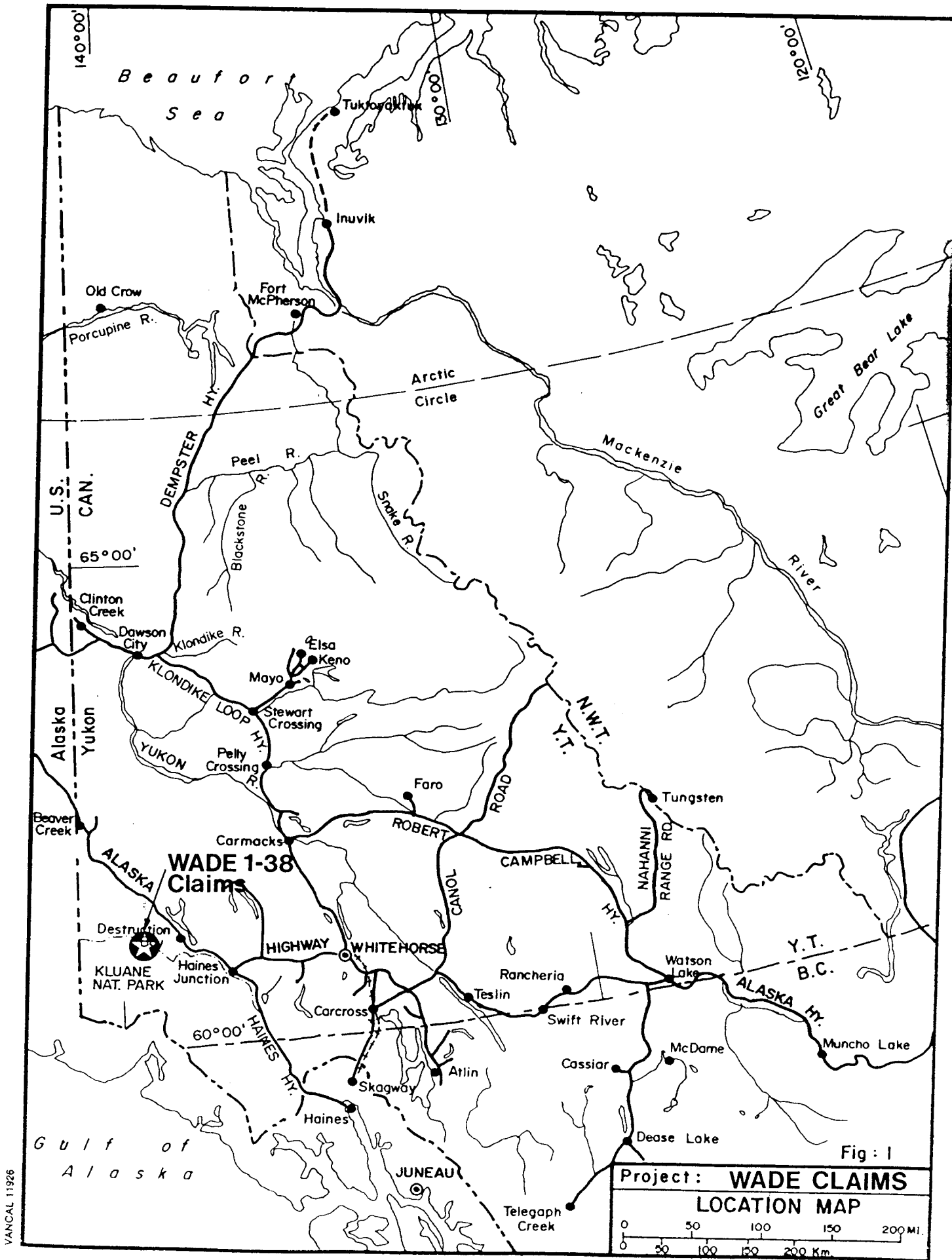
The WADE 1-38 claims were staked as part of the follow-up program to the Aishihik-Kluane regional exploration program carried out by Noranda Exploration Company, Limited (No Personal Liability) during 1982-84.

The area is underlain by Permian Station Creek and Upper Triassic Nikolai Greenstone formations which are unconformably overlain by Tertiary Amphitheatre Formation sediments. A siliceous, clay altered, rhyodacitic Wrangell Intrusion crops out on the west side of the property and significant gold anomalies from silt, soil, rock and pan concentrate samples warranted detailed mapping and systematic sampling of the area. The 1985 work program was aimed at delineating a gold source for those anomalies found in earlier reconnaissance programs.

1-2: LOCATION AND ACCESS

The WADE 1-38 claims are located approximately 32 kilometres west of Burwash Landing on claim sheet 115 G/5 (Figure 1).

Access to the property has been by helicopter from the Burwash Landing airstrip or nearest road point. Gravel roads used by placer miners on the Burwash Uplands come to within 5 kilometres of the property. Flat to



VANCAL 11926

Fig: 1

rolling hills and the intermittently forested terrain would allow for relatively inexpensive road construction to the claims if warranted. Narrow and steep stream valleys on the claims would, however, call for road building on the ridges of the property.

1-3: PHYSIOGRAPHY AND VEGETATION

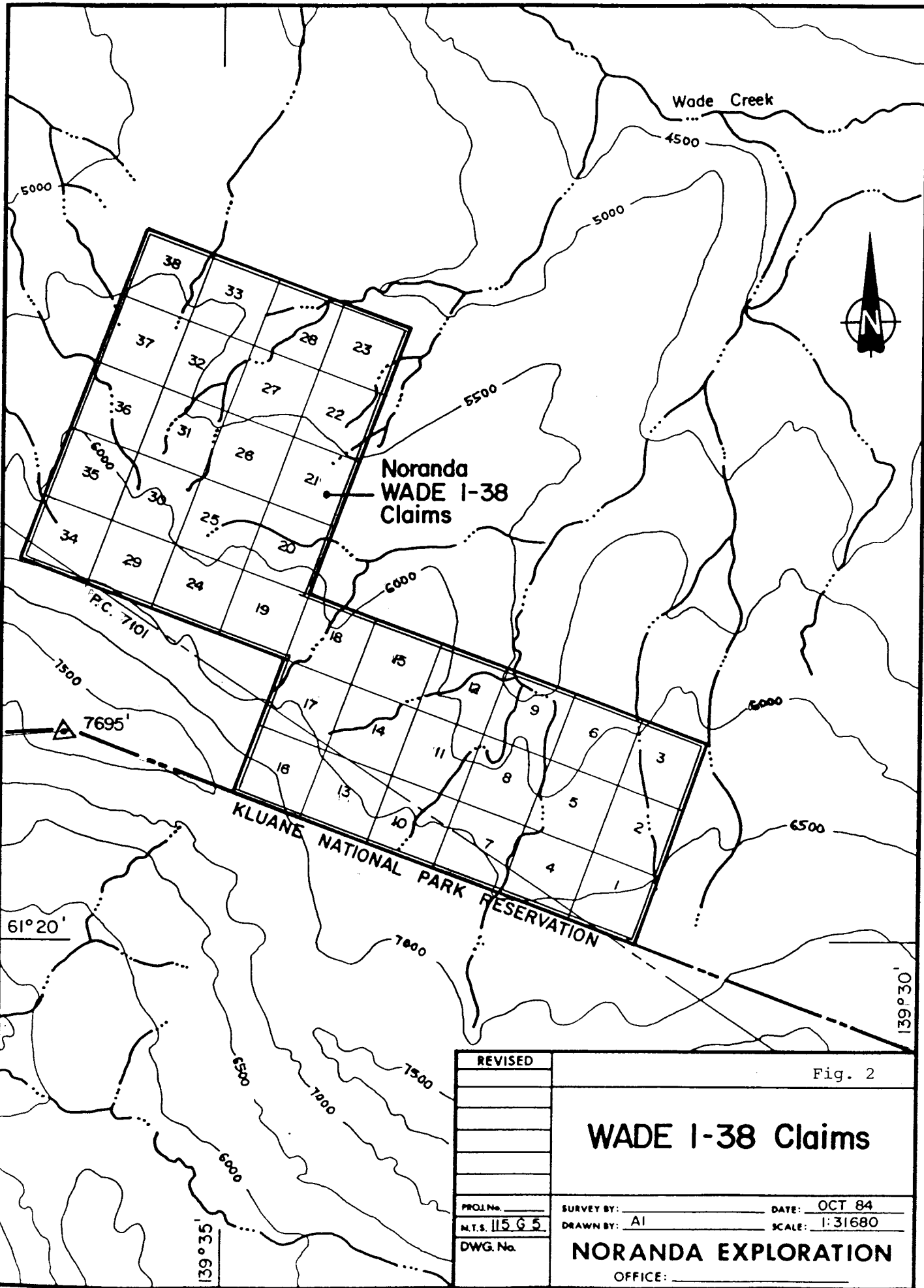
The claims lie within the Donjek Range of the St. Elias Mountains between the Duke River depression and the Denali Fault. Elevation on the property ranges from 6,500 feet near the western NW trending ridges including Wade Mountain (7,475') to approximately 5,000 feet on the NE side of the property toward Burwash Flats.

North, northeast to east draining tributaries often have steep to cliff-like canyon walls. Geology is best exposed in these areas.

The rounded topography of the property is covered by typical alpine grasses, mosses and low shrubs. Parts of the lower canyons extending NW to the Burwash Flats are sparsely vegetated by dwarf birch and stunted black spruce.

1-4: PROPERTY HISTORY

The WADE 1-38 claims (Figure 2) were staked October 15, 1984 to cover gold anomalies found in the upper drainage basin of Wade Creek during the Aishihik-Kluane regional sampling programs (1982-84). Limited prospecting



REVISED	Fig. 2	
	WADE 1-38 Claims	
PROJ. No.	SURVEY BY:	DATE: <u>OCT 84</u>
N.T.S. <u>1:565</u>	DRAWN BY: <u>AI</u>	SCALE: <u>1:31680</u>
DWG. No.	NORANDA EXPLORATION	
	OFFICE: _____	

VANCAL 11827

139°35'

of the area had obtained gold anomalies in rock, silt, soil, talus fines and pan concentrate samples. Detailed and systematic sampling, prospecting and mapping of the property was initiated in 1985.

Following is a table summarizing relevant claim information.

Table 1: Claims and Ownership

<u>NAME</u>	<u>GRANT NO.</u>	<u>DATE RECORDED</u>	<u>EXPIRY DATE</u>
WADE 1-38	YA85959-YA85996	October 18, 1984	October 18, 1988

The claims are wholly owned by Noranda Exploration Company, Limited (No Personal Liability) and upon acceptance of this report will be in good standing until the above expiry date.

1-5: WORK PROGRAM 1985

A four man crew spent twenty-eight mandays from July 3 to July 9, 1985 on the WADE 1-38 claims.

Detailed soil, bulk soil, rock, silt, talus fines and pan concentrate sampling was done on small grid and property reconnaissance programs. The bulk soil sampling methods and analysis was identical to the stream pan concentrate sampling procedures.

<u>TYPE</u>	<u>Sample Summary</u>	<u>NO. OF SAMPLES</u>
Soil - Grid		272
6 soil lines		123
Other		3
Talus Fines		3
Silt		8
Rock		27
Pan Concentrate - Bulk soil		28
Stream		16
	TOTAL	480

All samples were analyzed for Cu, Pb, Zn, Mo, Ag, Au and some for Hg. Geological mapping and prospecting of the claim area was conducted at 1:10,000 scale.

Helicopter support for mob-demobilization was provided by Trans North Helicopters based in Haines Junction. All camp gear and personnel were mobilized from the Burwash airstrip approximately 32 kilometres east of the property.

CHAPTER TWO: GEOLOGY

2-1: REGIONAL GEOLOGY

The project area is underlain by the Insular and Coast Belts of the Canadian Cordillera (Figure 4). Within the Insular Belt, the claims cover areas of the Wrangellia and Alexander Terranes. These terranes consist of distinct lithological assemblages, separated by major northwest trending fault systems. The Alexander Terrane consists primarily of low grade metamorphosed, Paleozoic volcanic island arc and turbidite assemblages, with some thick carbonate reef build-ups, euxinic sediments, and local subaerial volcanic rocks. The Wrangellia Terrane consists of a late Paleozoic submarine volcanic arc assemblage, overlain by subaerial and submarine basic volcanic rocks and shallow marine sediments. These rocks have many similarities to the Sicker Group on Vancouver Island, and together have been termed the Sicker-Skolai Assemblage (see Tectonic Assemblage Map of the Canadian Cordillera - Map 1505A). Both terranes are covered by Tertiary non-marine clastics and subaerial calc-alkaline volcanic rocks, and intruded by Tertiary granitic stocks and sub-volcanic dykes.

The Insular Belt is separated from the Coast Belt by a major crustal break, the Denali Fault System, which has produced the Shakhak Valley. In this region, the Coast Belt consists primarily of Cretaceous to Tertiary granodiorite stocks (Coast Range Intrusives) that have intruded schists,

amphibolites, and gneisses of the Central Gneiss complex. These have also been partially covered by Tertiary to Quaternary mafic volcanic flows and associated felsic intrusions. For a more detailed account of the regional geology, the reader is referred to the selected bibliography (Appendix 1).

2-2: DETAILED GEOLOGY

The property lies between the Duke River depression and the Denali Fault and is bounded on the south by Permian Station Creek volcanic rocks (Figure 3). The property is largely underlain by Upper Triassic Nikolai Greenstone and Permian-Triassic pyroxene gabbro. The Amphitheatre Formation unconformably overlies the Nikolai Greenstone unit and forms the rounded topography of most of the property.

The Nikolai Greenstone is best exposed in the canyon walls of major creeks draining north to northeast from the property and consists of dark green to brown amygdaloidal andesite flows (Map Figure 1). Locally up to 10% silicification and minor calcareous alteration is noted in close vicinity to shear or narrow fault zones.

The pyroxene gabbro occurs on a prominent ridge northeast of the property. Minimal time was spent prospecting this area and no contact to the Nikolai Greenstone unit was found. The Amphitheatre Formation overlies this unit on the west part of the property.

The Amphitheatre Formation ranges in character from clast supported coarse gravels to medium-fine grained sands. The loosely consolidated sands

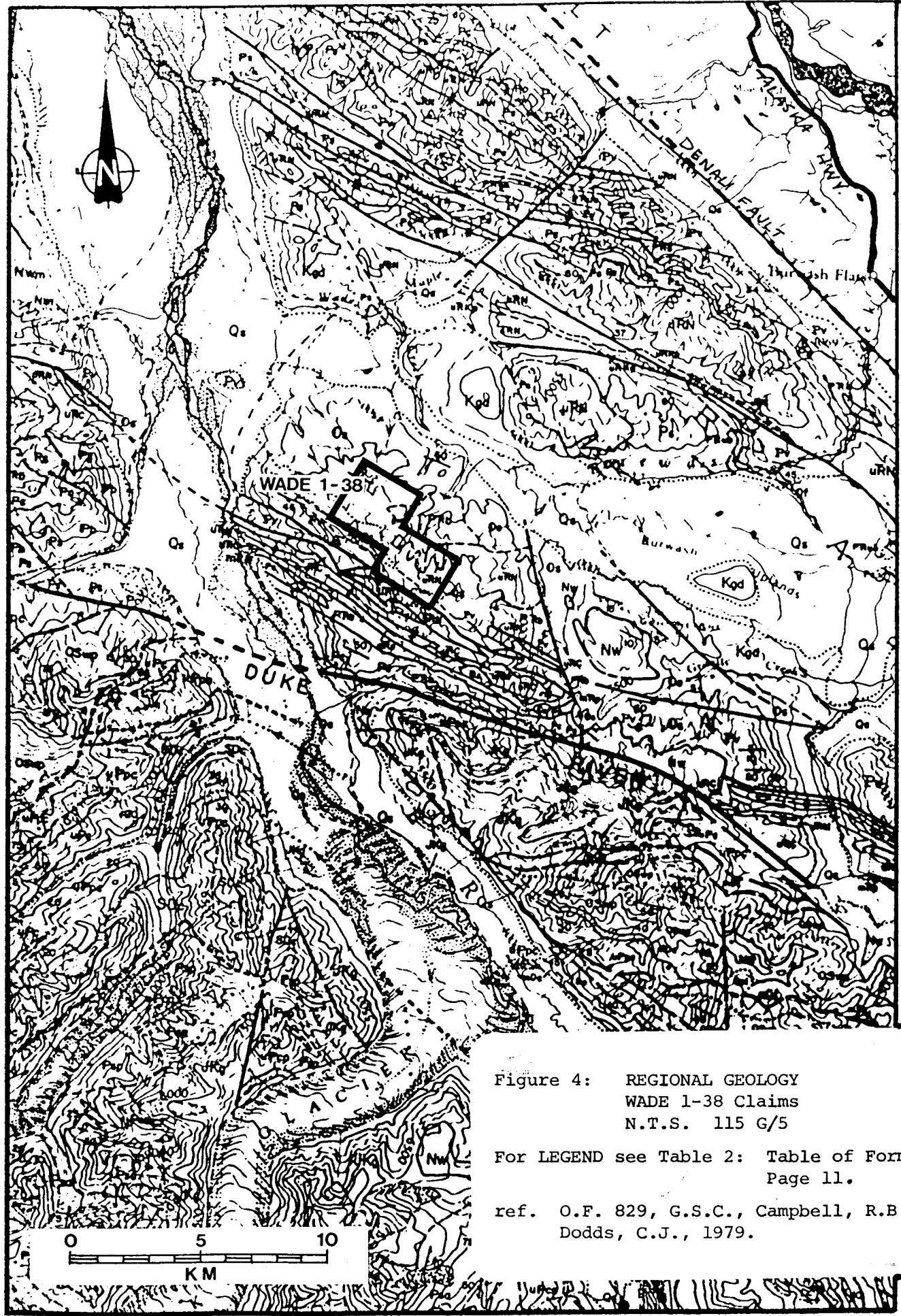


Figure 4: REGIONAL GEOLOGY
WADE 1-38 Claims
N.T.S. 115 G/5

For LEGEND see Table 2: Table of Formations
Page 11.

ref. O.F. 829, G.S.C., Campbell, R.B. and
Dodds, C.J., 1979.

and gravels are light buff to reddish-brown in colour and in places display a broad fining downward sequence. Accessory minerals include chlorite, epidote, magnetite and garnet and the dominant clast rock type is medium-grained granite. Iron oxides and pervasive clay alteration are occasionally found in the Amphitheatre Formation within 1 metre of the Nikolai Greenstone contact.

Several small felsic Wrangell Intrusion outcrops are located along the NE draining stream in the north part of the property. Outcrops consist of metamorphosed, fine to medium-grained quartz diorite and rhyodacite with intensive clay and chlorite alteration and limonite staining. Feldspar grains are commonly completely altered to clays. Locally the Nikolai Greenstone contain patches of spotted fine-grained diorite and rhyodacite. Magnetite is the dominant accessory mineral and may occupy 5-25% of the heavily altered quartz diorite.

Fault zones are obscured by the Amphitheatre Formation, however within the Nikolai Greenstone slickensides, silicification, quartz veins and pyritization are commonly found. The dip of the faults ranges from 85°N to vertical and the strike varies from 036° to 097° azimuth. Quartz veins associated with faults are 0.1 to 0.8 metres wide and may have 1-10% pyrite with minor sphalerite and malachite. The veins tend to pinch out over maximum 20 metres and have not proven economic significance.

Rock Descriptions

1. Wrangell Intrusions: white to creamy white, heavily limonite stained, fine-grained quartz diorite, aphanitic to feldspar porphyritic rhyodacite. Up to 5% disseminated blebby pyrite, Fe-Mn oxide staining, locally minor quartz stringers 1-2 mm wide and rare mariposite(?). Pervasive clay alteration. 5% magnetite is common.
2. Amphitheatre Formation: medium to fine-grained, buff to brown sandstone loosely consolidated sandy matrix to clast supported conglomerate. Clasts 1-25 cm diameter, well rounded, dominantly medium-grained granite. Fine fraction: sub-angular quartz, dominant accessory minerals include garnet, magnetite, minor pyrite. Local clay alteration, Fe staining.
3. Nikolai Greenstone: medium green to brownish amygdaloidal andesite flows. Locally minor tuff beds, silicification. Pyrite 1-10% and generally more abundant near fault zones. Gossans and quartz veins occur near fault zones.
4. Pyroxene Gabbro: medium grey green, stubby black pyroxene crystals disseminated, without alignment, in medium green, massive, fine-grained matrix. Possibly >1% olivine, pyrite 1-10%, local silicification.
5. Station Creek Formation: medium grey green, massive volcanic breccia, agglomerate and fine-grained tuff. Pyrite up to 5%, local silicification and limonite staining at fault zones.

TABLE 2

TABLE OF FORMATIONS

ERA	PERIOD or EPOCH	FORMATION	LITHOLOGY
Quaternary	Pleistocene and Recent	QS	Undivided surficial deposits including glacial deposits alluvium, colluvium
Tertiary	Miocene	Wrangell Intrusions IMf	White to creamy hornblende and/or biotite, rhyolite, rhyodacite, dacite; felsite domes, sills and dykes
	Oligocene	Amphitheatre Formation Os	Yellow to buff sandstone, conglomerate mudstone, minor grey carbonaceous shale and thin coal seams, continental clastics, fluvial deposits
Triassic	(Upper Triassic)	Nikolai Greenstone URN	Green to maroon amygdaloidal basalt and andesite flows, loc. interbedded tuff and breccia, minor pillow lavas and thin interbedded limestone. Subaerial, loc. submarine
Permian and/or Triassic (and/or Cretaceous?)	(Upper Permian)	Pyroxene Gabbro PRb	Medium grey green, massive pyroxene gabbro sills, highly variable in thickness
	Pennsylvanian to (?)earliest Permian	Station Creek Formation Pv	Medium grey green, massive, volcanic breccia, agglomerate grading up into lithic vitric tuff, rare argillite and basic flows

CHAPTER THREE: GEOCHEMISTRY

3-1: SOIL AND SILT GEOCHEMISTRY

Soil samples taken in 1984 from a ridge on the west side of the property were found to have values ranging up to 4,600 ppb Au, 2.6 ppm Ag, 130 ppm Pb and 150 ppm Cu. Silt samples taken in 1984 from tributaries draining this ridge on the east and west ran 360 ppb Au and 380 ppb Au respectively. This year a small soil sample grid, 700 metres square, was sampled at 25 metres station intervals and 100 metre line spacing (Map Figure 2) to cover the gold anomalies on the ridge. All samples were analyzed for Cu, Pb, Zn, Mo, Ag and Au. Eight silt samples were analyzed for mercury (Appendix 4).

Anomalies found within this grid are as follows:

L 2+00N/4+00W	390 ppb Au
L 3+00N/4+25W	920 ppb Au
L 7+00N/5+75W	950 ppb Au

Three weak gold values, ranging from 20 to 30 ppb Au, occur as isolated anomalies in the south part of the grid and the remainder of the samples ran 10 ppb Au. Silver values range from 0.2 ppm to 0.4 ppm Ag throughout the grid and a very weak copper-zinc anomaly ranging from 56 to 130 ppm Cu and 82 to 140 ppm Zn occurs on line 0+00N from 5+00W to 6+75W. The ridge consists entirely of Amphitheatre Formation gravels and the gold anomalies are attributed to paleoplacer accumulations within this unit.

Six reconnaissance soil lines tested three areas of the Amphitheatre Formation as follows (Map Figure 2):

- a) The uppermost exposures of the Amphitheatre Formation on the grass covered ridges of the property at 6,000' to 6,200' elevation.
- b) A midslope presumed basal area of the Amphitheatre Formation at approximately 5,800' elevation.
- c) Below the Amphitheatre-Nikolai Greenstone contact at approximately 5,400' elevation.

It was found that in the uppermost test area, one kilometre in length, only one gold anomaly, of 500 ppb Au, was located. This sample was taken near a small creek draining north and may represent a slight gold enhancement in the Amphitheatre Formation as a result of surface runoff. The midslope test area produced no anomalies and the three lines below the contact area produced only moderate zinc and silver values ranging from 66 to 180 ppm Zn (usually >100 ppm Zn) and from 0.2 to 0.8 ppm Ag. Copper, lead, gold and molybdenum soil geochemical values were consistently low in the area below the Amphitheatre-Nikolai Greenstone contact.

Three isolated soil samples taken from showings at the base of the Amphitheatre Formation in the east part of the property have anomalous values ranging from 270 to 770 ppm Cu, 1.0 to 1.2 ppm Ag, 4 to 24 ppm Mo and 10, 20 and 1,000 ppb Au. Here, zinc and lead values are low.

In broad terms, silver values greater than 1.0 ppm Ag tend to be linked to high gold values. The highest gold values occur within the basal portions of the Amphitheatre Formation and wherever surface washing of the gravels has caused gold particle accumulation on a local scale. Gold

anomalies tend to be sporadic in vertical section throughout the Amphitheatre Formation. The possibility of paleoplacer channels in the Amphitheatre Formation likely accounts for the gold anomalies on the west part of the property.

Eight silt samples were taken in this program. A weak copper (94 ppm) and zinc (100 ppm) anomaly is indicated along soil line 10+00N, however no other anomalies were found.

3-2: PAN CONCENTRATE GEOCHEMISTRY

Twenty-eight bulk soil and 16 stream pan concentrate samples were taken during the 1985 program to test the gold content of the basal portion of the Amphitheatre Formation and follow up 1984 stream pan concentrate anomalies.

A small grid was established on the west side of the property (Map Figure 2) on a near vertical exposure of the Amphitheatre Formation. Twelve samples were taken along 3 lines at 25 metre horizontal and 20 metre vertical sample intervals. It was found that the highest gold value of 5,200 ppb Au was located at the base of the formation within 1 metre of the contact to Nikolai andesites. Clay alteration at this contact in the remaining two basal samples had a slight zinc enhancement up to 180 ppb Zn and ran 10 and 100 ppb Au. The middle line ran 170 ppb, 570 ppb and 10 ppb Au. The highest value of the middle line was recovered from a narrow surface runoff channel which ran 540 ppb Au in the top sample line. The remaining top samples ran 320 ppb and 10 ppb Au. Gold values are highest in

the lowest exposures of the Amphitheatre Formation and this is best exemplified in three samples taken at 50 metre intervals upstream from the mini-grid. These values are 2,200 ppb Au, 640 ppb Au and 360 ppb Au consecutively moving upstream (Samples #H-70478, 70477, and 70476). As observed in the soil sampling program, higher silver values are correlative with higher gold values. Most gold values less than 2,500 ppb Au run 0.2 ppm Ag; between 2,500 and 10,000 ppb Au, silver values range from 0.2 to 1.0 ppm and where gold values are greater than 10,000 ppb Au, silver usually runs greater than 1.0 ppm.

Bulk soil sampling on the east part of the property (Map Figure 2) indicates significant gold values in the Amphitheatre Formation. Of 18 bulk soil samples taken, eight samples ran from 2,000 to 7,300 ppb Au, five samples ran between 90 ppb and 360 ppb Au and the remainder ran 10 ppb Au. The most westerly ridge is consistently anomalous in gold and has values of 1,300 to 5,700 ppb Au in pan concentrate samples taken from streams draining this area. Bulk soil testing of the Amphitheatre Formation near the reconnaissance soil lines reflected low gold values in 3 of 6 samples taken. Values of 2,900 ppb and 3,200 ppb were detected higher in the formation and between the middle and lower soil lines which recovered no gold anomalies. The bulk soil sampling method is more representative of the test area and should be used more intensely during further investigation of this property.

The highly anomalous gold values ranging from 4,400 to 31,000 ppb Au obtained in the north draining creek on the east part of the property are thought to be a result of the natural washing and gold concentration of the

Amphitheatre Formation gravels by surface and ground water action.

3-3: ROCK AND TALUS FINES GEOCHEMISTRY

Three talus fines samples were taken from iron stained gossans of the Nikolai andesites in the central part of the property. Zinc values ran from 140 to 610 ppm Zn and are considered anomalous to an approximate rock geochemical background level of 75 ppm Zn. Copper values were slightly enhanced to 120 ppm Cu in one sample, but generally Cu, Pb, Ag, Mo and Au elements were not anomalous.

There were 27 rock samples analyzed for Cu, Pb, Zn, Ag, Mo and Ag in this program (Appendix 3 and 4). Grab samples were taken from gossans, fault and shear zones and quartz carbonate vein in the Nikolai Greenstone unit and from the Wrangell felsic intrusion in the north part of the property. The gold, arsenic, zinc and silver anomalies outlined in 1984 were resampled with the best results of five samples being 10 ppb Au, 1,400 ppm Zn, 140 ppm Pb, 0.8 ppm Ag; each in separate grab samples of gossanous, clay altered rhyodacite. Four rock samples (#R-70928-31) taken along a NE trending ridge in the centre of the property have values which range up to 4,700 ppm Cu, 9,400 ppm Zn, 2,600 ppm Pb, 6.0 ppm Ag, 46 ppm Mo and 100 ppb Au. These multi-element anomalies are specific to 1-40 metre wide silicified zones commonly associated with gossans or 0.5-10 cm wide bands of heavy oxidation at quartz vein, shear and/or fault zone margins within the Nikolai andesite. Up to 10% pyrite, 5% magnetite and minor disseminated

galena and sphalerite occur within the apparently discontinuous quartz stringers.

Two float samples taken near the south property boundary have significant precious and base metal values. A boulder, approximately 20 x 15 x 4 cm, of vuggy quartz vein material containing <1% disseminated azurite, malachite and Fe oxide stain, ran 1,700 ppm Cu and 50 ppb Au. A float sample of chalcopyrite bearing Nikolai andesite ran 7,000 ppm Cu and 2.4 ppm Ag.

CHAPTER FOUR: CONCLUSIONS AND RECOMMENDATIONS

Gold anomalies up to 31,000 ppb Au are found in stream pan concentrate samples taken from the tributaries draining the property. The Amphitheatre Formation is considered to be the dominant source of the gold which has been concentrated by stream action to create placer deposits within the drainage basin.

Base and precious metal anomalies located in quartz veins within the Nikolai Greenstone unit warrant further delineation and possibly staking north of the property. The Wrangell Intrusion which crops out on the west side of the property proved anomalous in Zn-Pb-Ag. Clay alteration is intensive in this unit however, this intrusion does not appear to be an immediate gold source. Quartz veins on the property are generally limited to fault or shear zones within the Nikolai Greenstone unit. The quartz veins and stringers have proven in places to be anomalous in base and precious metals yet structural continuity, sulphide content, strike length and vein width are inconsistent.

Further exploration should be focused on grade and tonnage evaluation of the Amphitheatre Formation for placer gold potential and delineation of the multi-element anomalies within the Nikolai Greenstone unit.


Respectfully submitted,

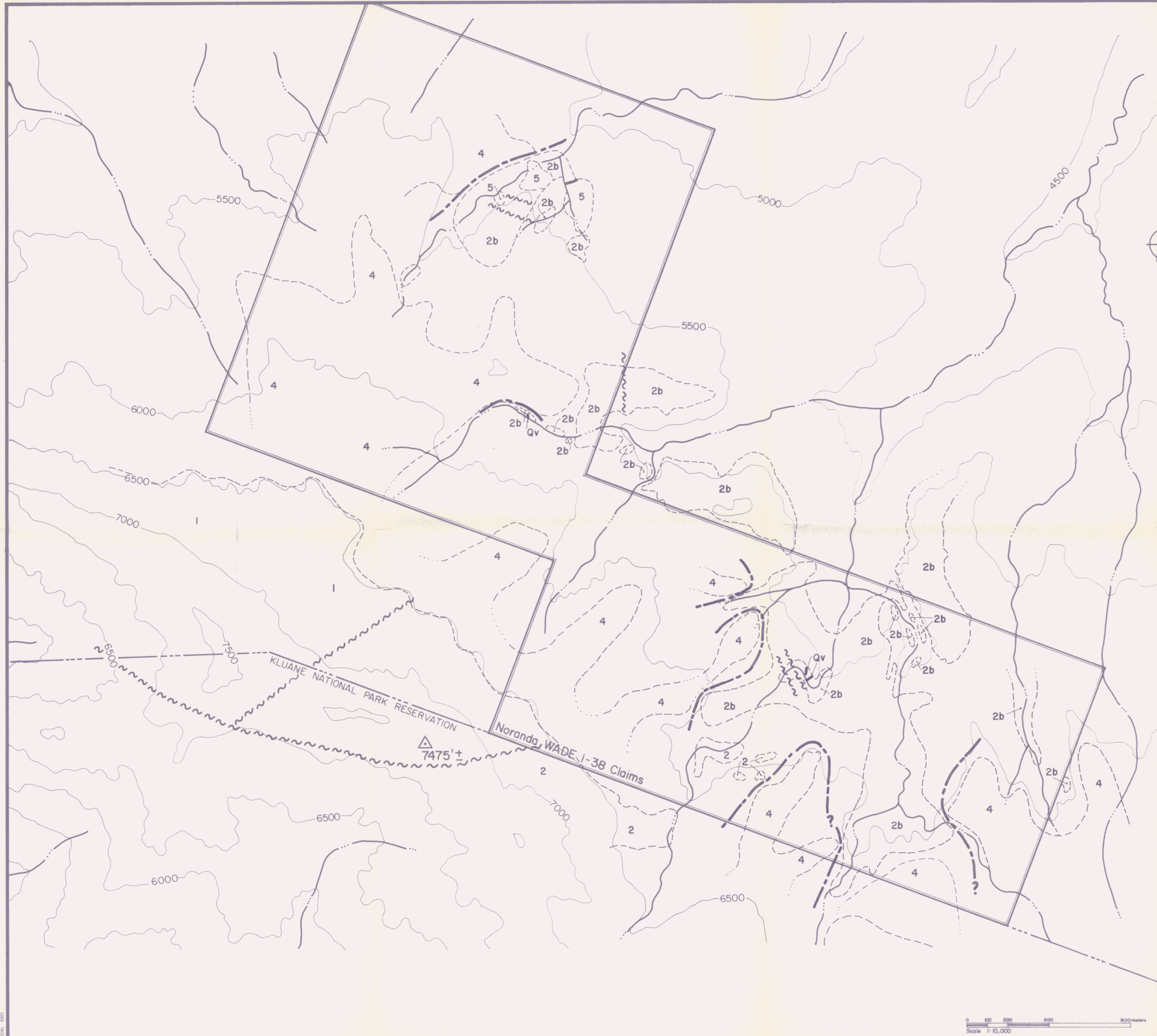
Mary P. Webster
Field Geologist

STATEMENT OF QUALIFICATIONS

I, Mary P. Webster, of the City of Whitehorse, Yukon Territory do hereby certify that:

1. I have been employed as a Geologist by Noranda Exploration Company, Limited (No Personal Liability) since May 1984.
2. I am a graduate of McMaster University, Hamilton, Ontario with a B.Sc. in Geology.
3. I am a member of the Prospector's and Developers Association and the B.C. and Yukon Chamber of Mines.
4. I supervised and carried out part of the work described in this report.


Mary P. Webster
Field Geologist
Noranda Exploration Co. Ltd.
(No Personal Liability)



Legend

TERTIARY

- 5 Wrangell Intrusions
Rhyolite, felsite
- 4 Amphitheatre Formation
Sandstone, conglomerate

PERMIAN-TRIASSIC

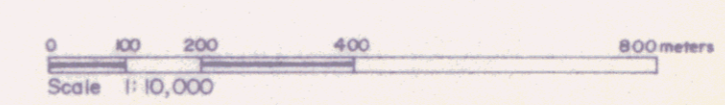
- 3 Pyroxene gabbro
- 2 Nikolai Greenstone
 - a basalt
 - b andesite
- 1 Station Creek Formation

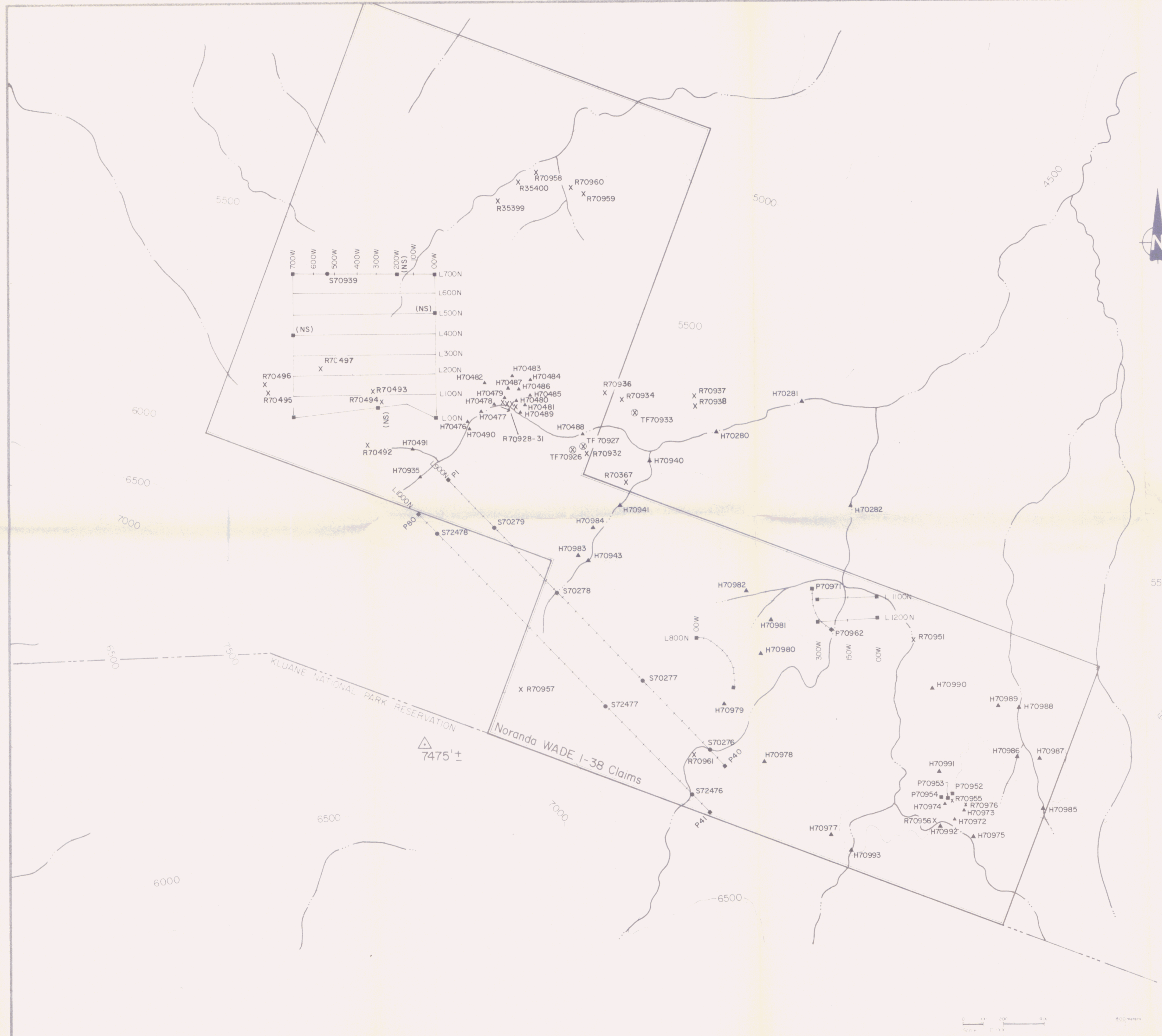
Symbols

- Outcrop
- Contact (real, assumed)
- Fault

091786
Map Fig. : 1

REVISED	WADE CREEK (WADE Claims)	
	Geology	
PROJ. No. 15	SURVEY BY: AI	DATE: SEP 85
N.T.S. 115 G 5	DRAWN BY: AI	SCALE: 1:10,000
DWG No.	NORANDA EXPLORATION	
	Whitehorse	
	OFFICE:	





- LEGEND**
- SOIL
 - SOIL SAMPLE LINE
 - ▲ PAN CONCENTRATE
 - SILT
 - ⊗ TALUS FINES
 - × ROCK

091786
Map Fig. 2

WADE CREEK (WADE Claims)

Geochem Sample Location Map

15
1:15,000

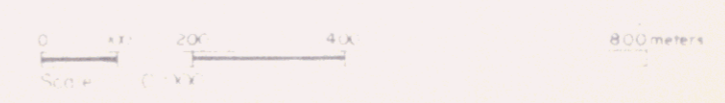
MW AUG 85
AI 1:10,000

NORANDA EXPLORATION
Whitehorse

KLUANE NATIONAL PARK RESERVATION

Noranda WADE 1-38 Claims

7475'±



APPENDIX 1

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APPENDIX 2

STATEMENT OF COSTS

STATEMENT OF COSTS

PROJECT: Wade 1-38 Claims
TYPE OF REPORT: Geological and Geochemical
DATES: July 3-9, 1985

Wages: (including report preparation, drafting, typing and field crew)

No. of Days	42	
Rate per Day	120.00	
Total Cost	(42 x 120)	\$ 5,040.00

Food and Accommodation:

No. of Days	34	
Rate per Day	39.85	
Total Cost	(34 x 39.85)	1,354.90

Transportation and Fuel:

Vehicles	697.97
Helicopter	3,025.10

Sample Report:

Analysis	4,915.00
Shipment	364.92

TOTAL	\$15,397.89
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DETAILS OF ANALYSIS COST

PROJECT: Wade 1-38 Claims

Geochemical:

Element	No. of Determinations	Cost per Determination	Total
Cu	480	1.60	768.00
Zn	480	.60	288.00
Pb	480	.60	288.00
Mo	480	.60	288.00
Ag	480	.60	288.00
Au	480	4.00	1,920.00
Hg	8	8.00	64.00
Sample Preparation:			
Soils and Silts	406	.50	203.00
Rocks	30	2.00	60.00
Pan Concentrates	44	2.50	220.00
Data Entry	480	1.10	528.00
TOTAL			<u>≈4,915.00</u>

APPENDIX 3

ROCK SAMPLE DESCRIPTIONS

ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	TYPE	DESCRIPTION
R35399	Grab	Altered Rhyodacite: up to 20% limonite-jarosite, strong clay alteration, 2-5% py in 1 x 3 m discontinuous pod near (1984) sample 71282.
R35400	Grab	As in R35399, yet is porphyritic, dark grey in colour and bleached weathered surface.
R70367	Grab/float	Nikolai andesite: Medium green, amygdaloidal, slightly vuggy, <1% calcite in vugs, 5% fine-grained disseminated py.
R70492	Grab	Nikolai andesite(?): strongly sheared, chlorite rich, 2-5% calcareous alteration, zone 2 m wide 102/73 ^{OW} , 1% py.
R70493	Grab	Nikolai andesite: 3 m wide circular gossan, 5% 2 mm cubic, disseminated py, rusty weathered surface.
R70494	Grab	As 70493, 1 km to west; vuggy, rusty patches vary from 0.5 to 2 m diameter over 50 m in andesite up to 10% cubic disseminated py.
R70495	Grab	Nikolai andesite: pervasive silicification medium green, 5% chlorite, 5% disseminated py, rusty weathered surface.
R70496	Grab	Shear zone in andesite 170/61 ^{OW} , chlorite rich calcite coatings, minor py. 2 m wide zone.
R70497	Grab	Nikolai andesite: medium green, up to 10% py disseminated in patches 0.5 m wide, commonly weathered out to barren cubic vugs. Felsic pink fine-grained granitic patches 3-5 cm long parallel regional foliation @ 100° occupy up to 50% of host rock.
TF70926-27	Talus fines	Taken near R70932.

R70928-31	Grab	Nikolai andesite: medium-dark green, pervasive silicification, Fe oxides on surface and as fracture fillings, possible dyke feature. 10% disseminated py, 2-3% magnetite, 2% po, 1% sph(?). Py commonly weathered out on surface. Quartz stringers up to 4 cm wide discontinuous and contorted. Host rock andesite calcareous. Four samples taken at 10 m intervals along this zone.
R70932	Grab	Nikolai andesite: gossanous fault zone 105/70°N approximately 2 m wide, up to 25% disseminated py, 2-3% magnetite (re. TF70926, 27)
TF70933	Talus fines	Taken from skree below R70934.
R79934	Grab	Nikolai andesite: light green, fine-grained pervasive silicification, yellow to red oxides stain surface, zone 5 x 10 m, py 10%.
R70935		Sample not analyzed.
R70936	Grab	As 70934, zone 10 x 50 m, heavily fractured to fissile, prominent gossan.
R70937	Grab	As 70936, minor quartz veining in 0.25 m shear zone, up to 5% py in host andesite.
R70938	Grab	As 70937, taken 25 m down slope.
R70951	Grab/float 30x20x10 cm	Quartz boulder, subangular, white to grey massive, rusty surface, up to 5% disseminated and blebby pyrite often weathered out to 5 mm vugs.
R70955	Grab/float >1 m diam.	Nikolai andesite(?): pervasive orange-white clay alteration found in vicinity of orange clay altered soil sample P70952.
R70956	Grab/float 20x15x5 cm	Quartz boulder, angular, up to 3% disseminated, fine-grained pyrite in massive grey quartz. Fe stain on surface.
R70957	Grab/float	Nikolai andesite tuff boulder train, chlorite altered, 2 cm wide calcite-qtz veins with 1% disseminated cpy, minor malachite.

R70958	Grab over 0.5 m	Feldspar porphyry rhyolite, dark green colour, bleached weathered surface, 2-5% disseminated fine-grained py, intense limonite-jarosite alteration.
R70959	Chip 2 m	Altered Nikolai andesite taken 30 m above creek. Pervasive orangy clay alteration, minor py.
R70960	Grab	Rhyodacite(?); light grey to white colour, intense silicification, mod. clay alteration, up to 10% disseminated and blebs of py. Vuggy weathered surface.
R70961	Grab/float 20x15x4 cm	Qtz-Carbonate vein boulder: coarse, milky white qtz with vugs from weathered calcite, 1-2% blebby cpy 1-10 mm diameter, up to 2% combined malachite and azurite.
R70976	Grab	Amphitheatre Formation: dark brown conglomerate sandy matrix sampled, clasts up to 10 cm diameter and well rounded. Mt and py present.

APPENDIX 4

GEOCHEMICAL RESULTS

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: Wade Creek

CODE : 8507-047

Project No. : 315
 Material : Rock
 Remarks :

Sheet: 1
 Geol.: M.W.

Date rec'd: July 17
 Date compl: Aug. 7

Values in PPM, except where noted.

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	Mo	PPB	
							Au	
2	ROCK 70926	48	610	2	0.2	1	10	
3	27	120	240	2	0.2	1	10	
4	28	730	3000	2000	1.8	4	10	
5	29	220	1300	84	0.8	10	10	
6	30	4700	840	48	4.0	46	10	
7	31	1500	9400	2600	6.0	10	100	
8	32	20	140	48	0.2	1	10	
9	33	30	160	4	0.2	1	10	
10	34	14	60	8	0.2	1	10	
11	36	14	60	2	0.2	1	10	
12	37	14	48	2	0.2	1	10	
13	70938	12	72	2	0.2	1	10	
14	70951	6	8	2	0.4	1	10	
15	55	380	60	2	0.2	1	10	
16	56	10	12	2	0.4	1	10	
17	57	7000	40	54	2.4	1	10	
18	58	92	48	4	0.2	1	10	
19	59	16	20	76	0.4	1	10	
20	60	74	1400	2	0.2	1	10	
21	70961	1700	24	2	0.2	1	50	
22	70976	28	48	2	0.2	1	10	
23	70367	22	120	2	0.2	1	10	
24	70492	46	68	2	0.2	1	10	
25	93	62	80	2	0.2	1	10	
26	94	90	56	2	0.2	1	10	
27	95	50	56	2	0.2	1	10	
28	96	54	64	2	0.2	1	10	
29	70497	66	72	2	0.2	1	10	
30	35399	22	40	42	0.8	1	10	
31	35400	32	56	140	0.6	10	10	

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: Wade Creek

CODE : 8507-047

Project No. : 315 Sheet: 1 of 8 Date rec'd: July 17
 Material : Silt & Soil Geol.: M.W. Date compl: Aug. 1
 Remarks :

Values in PPM, except where noted.

T. T. No.	SAMPLE No.		PPB						
			Cu	Zn	Pb	Ag	Mg	Au	
2	70276	SILT	86	80	2	0.2	1	10	
3	77		38	72	1	0.2	1	10	
4	78		64	66	1	0.2	1	10	
5	70279		54	86	2	0.2	1	10	
6	72476		84	74	1	0.2	1	10	
7	77		94	100	2	0.2	1	10	
8	72478		18	68	2	0.2	1	10	
9	70939		30	72	2	0.2	1	10	
10	0.00N-0.25W	SOIL	72	78	1	0.2	1	10	
11	0.50		54	78	2	0.2	1	10	
12	0.75		56	82	4	0.2	1	10	
13	1.00		36	84	4	0.2	1	10	
14	1.25		24	68	4	0.2	1	10	
15	1.50		34	84	2	0.2	1	10	
16	1.75		88	110	4	0.2	1	10	
17	2.00		80	98	2	0.2	1	10	
18	2.25		62	86	2	0.2	1	10	
19	2.50		64	86	4	0.2	1	10	
20	2.75		64	84	4	0.2	1	10	
21	3.00		42	86	4	0.2	1	10	
22	3.50		50	86	6	0.2	1	10	
23	3.75		48	88	6	0.2	1	10	
24	4.00		46	84	4	0.2	1	10	
25	4.25		40	88	8	0.2	1	10	
26	4.50		52	82	6	0.2	1	10	
27	4.75		32	88	8	0.2	1	10	
28	5.00		110	110	4	0.2	4	20	
29	5.25		72	110	4	0.2	4	10	
30	5.50		70	78	2	0.2	1	10	
31	5.75		130	120	6	0.2	4	10	
32	6.00		56	82	1	0.2	4	10	
33	6.25		84	140	6	0.2	4	10	
34	6.50		70	110	4	0.2	4	10	
35	0.00N-6.75W		130	110	2	0.2	4	10	
36	1.00N-0.00W		64	96	6	0.2	4	10	
37	0.25		66	84	1	0.2	1	10	
38	0.50		46	82	4	0.2	1	10	
39	0.75		42	80	4	0.2	1	10	
40	1.00		38	80	4	0.2	1	10	
41	1.25		42	96	2	0.2	1	10	
42	1.50		68	96	2	0.2	1	10	
43	1.75		68	88	2	0.2	1	10	
44	2.00		68	90	2	0.2	1	10	
45	2.25		58	86	2	0.2	1	10	
46	2.50		58	88	2	0.2	1	10	
47	2.75		84	96	4	0.2	1	10	
48	1.00N-3.00E		72	90	4	0.2	1	10	
49	3+256		62	84	2	0.2	1	10	

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	Mo	PPB Au	8507-047 Pg. 2 of 8
50	1.00N-3.50E	54	94	2	0.2	1	10	
51	3.75	36	90	6	0.2	1	10	
52	4.00	26	70	6	0.2	1	10	
53	4.25	56	82	4	0.2	1	10	
54	4.50	80	88	4	0.2	1	10	
55	4.75	42	84	4	0.2	1	10	
56	5.00	54	88	2	0.2	1	10	
57	5.25	46	86	4	0.2	1	10	
58	5.50	30	70	4	0.2	1	10	
59	5.75	70	110	4	0.2	1	10	
60	6.00	74	110	4	0.2	1	10	
61	6.25	78	80	4	0.2	6	10	
62	6.50	50	86	4	0.2	1	10	
63	1.00N-6.75W	30	82	4	0.2	1	10	
64	2.00N-0.25W	56	90	1	0.2	1	10	
65	0.50	40	90	2	0.2	1	10	
66	0.75	30	88	2	0.2	1	10	
67	1.00	50	80	1	0.2	1	10	
68	1.25	46	84	4	0.2	1	10	
69	1.50	60	84	4	0.2	1	10	
70	1.75	34	76	4	0.2	1	10	
71	2.00	34	82	4	0.2	1	10	
72	2.25	44	76	2	0.2	1	10	
73	2.50	32	90	2	0.2	1	10	
74	2.75	42	94	6	0.2	1	10	
75	3.00	30	92	4	0.2	1	10	
76	3.25	26	76	2	0.2	1	10	
77	3.50	46	92	4	0.2	1	10	
78	3.75	54	88	2	0.2	1	10	
79	4.00	52	84	2	0.2	1	390	
80	4.25	66	86	1	0.2	1	10	
81	4.50	80	96	1	0.2	1	10	
82	4.75	70	120	14	0.2	1	10	
83	5.00	110	92	2	0.2	1	10	
84	5.25	98	100	1	0.2	1	10	
85	5.50	96	94	1	0.2	4	10	
86	5.75	86	90	1	0.2	4	10	
87	6.00	84	92	2	0.2	4	10	
88	6.25	140	98	1	0.2	4	30	
89	6.50	180	86	1	0.2	1	10	
90	6.75	96	100	1	0.2	4	10	
91	2.00N-7.00W	110	110	2	0.2	4	10	
92	3.00N-0.00W	30	78	2	0.2	1	10	
93	0.25	44	84	2	0.2	1	10	
94	0.50	54	84	1	0.2	1	10	
95	0.75	50	90	2	0.2	1	10	
96	1.00	30	110	2	0.2	1	10	
97	1.25	26	80	1	0.2	1	10	
98	1.50	30	88	4	0.2	1	10	
99	3.00N-1.75W	38	94	2	0.2	1	10	
100	CHECK NL-5	22	70	74	1.0	14	-	
101	3.00N-2.00W	28	78	2	0.2	4	10	
102	2.25	32	84	2	0.2	1	10	
103	2.50	32	88	4	0.2	1	10	
104	2.75	24	58	2	0.2	1	10	
105	3.00	20	66	2	0.2	1	10	
106	3.00N-3.25W	22	64	1	0.2	1	10	

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	Mo	PPB Au	8507-047 Pg. 3 of 8
107	3.00N-3.50W	42	80	2	0.2	1	10	
108	3.75	30	74	4	0.2	1	10	
109	4.00	30	76	2	0.2	1	10	
110	4.25	28	78	2	0.2	1	920	
111	4.50	10	42	2	0.2	1	10	
112	4.75	46	78	2	0.2	1	10	
113	5.00	26	68	2	0.2	1	10	
114	5.25	58	86	2	0.2	1	10	
115	5.50	62	86	2	0.2	1	10	
116	5.75	42	80	1	0.2	1	10	
117	6.00	62	90	2	0.2	1	10	
118	6.25	68	88	1	0.2	1	10	
119	6.50	84	98	2	0.2	1	10	
120	3.00N-6.75W	78	96	2	0.2	1	10	
121	4.00N-0.00W	42	110	4	0.2	4	10	
122	0.75	40	84	2	0.2	1	10	
123	1.00	28	70	2	0.2	1	10	
124	1.25	42	110	4	0.2	4	10	
125	1.50	36	84	2	0.2	1	10	
126	1.75	50	78	2	0.2	4	10	
127	2.00	30	72	2	0.2	1	10	
128	2.25	20	54	2	0.2	1	10	
129	2.50	24	76	4	0.2	1	10	
130	2.75	14	64	2	0.2	1	10	
131	3.00	18	54	1	0.2	1	10	
132	3.25	20	64	1	0.2	1	10	
133	3.50	36	62	6	0.2	1	10	
134	3.75	32	74	4	0.2	1	10	
135	4.00	38	84	2	0.2	1	10	
136	4.25	34	82	2	0.2	1	10	
137	4.50	36	74	4	0.2	1	10	
138	4.75	28	70	2	0.2	1	10	
139	5.00	28	66	2	0.2	1	10	
140	5.25	54	86	2	0.2	1	10	
141	5.50	68	86	2	0.2	1	10	
142	5.75	52	82	2	0.2	1	10	
143	6.00	30	84	2	0.2	1	10	
144	6.25	42	78	6	0.2	1	10	
145	6.50	58	90	2	0.2	1	10	
146	4.00N-6.75W	74	92	2	0.2	1	10	
147	5.00N-0.25W	34	88	6	0.2	1	10	
148	0.50	30	90	4	0.2	1	10	
149	5.00N-0.75W	26	72	2	0.2	1	10	
2	5.00N-1.00W	40	70	1	0.4	1	10	
3	1.25	28	66	1	0.2	1	10	
4	1.50	24	68	1	0.2	1	10	
5	1.75	22	74	1	0.2	1	10	
6	2.00	24	80	2	0.2	1	10	
7	2.25	20	64	1	0.2	1	10	
8	2.50	26	48	2	0.4	2	10	
9	2.75	16	60	1	0.2	1	10	
10	3.00	14	56	1	0.2	1	10	
11	3.25	28	58	1	0.2	1	10	
12	3.50	20	52	1	0.2	1	10	
13	3.75	18	58	1	0.2	1	10	
14	4.00	22	50	1	0.2	1	10	
15	5.00N-4.25W	32	76	1	0.2	1	10	

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	Mo	PPB Au	8507-047 Pg. 4 of 8
16	5.00N-4.50W	28	66	1	0.2	1	10	
17	4.75	24	60	1	0.2	1	10	
18	5.00	22	64	1	0.2	1	10	
19	5.25	48	72	1	0.2	1	10	
20	5.50	58	80	2	0.2	1	10	
21	5.75	40	78	1	0.2	1	10	
22	6.00	40	74	1	0.2	1	10	
23	6.25	52	78	1	0.2	1	10	
24	6.50	50	76	1	0.2	1	10	
25	5.00N-6.75W	80	80	1	0.2	1	10	
26	6.00N-0.25W	32	82	2	0.4	1	10	
27	0.50	30	66	2	0.4	1	10	
28	0.75	26	66	1	0.2	1	10	
29	1.00	36	60	1	0.4	1	10	
30	1.25	28	64	1	0.2	1	10	
31	1.50	18	58	1	0.2	1	10	
32	1.75	24	68	1	0.4	1	10	
33	2.00	30	62	4	0.4	1	10	
34	2.25	24	64	2	0.4	1	10	
35	2.50	16	62	1	0.4	1	10	
36	2.75	22	60	1	0.2	1	10	
37	3.00	28	64	1	0.4	1	10	
38	3.25	18	46	1	0.2	1	10	
39	3.50	24	62	1	0.2	1	10	
40	3.75	22	60	1	0.2	1	10	
41	4.00	24	60	1	0.2	1	10	
42	4.25	24	60	1	0.2	1	10	
43	4.50	36	74	1	0.4	1	10	
44	4.75	26	66	1	0.2	1	10	
45	5.00	24	62	1	0.2	1	10	
46	5.25	34	82	1	0.2	1	10	
47	5.50	60	76	1	0.4	1	10	
48	5.75	40	84	1	0.2	1	10	
49	6.00N-6.00W	48	78	1	0.2	1	10	
50	CHECK NL-5	24	70	72	1.6	1	-	
51	6.00N-6.25W	56	90	1	0.2	1	10	
52	6.50	44	80	1	0.2	1	10	
53	6.00N-6.75W	48	84	1	0.4	1	10	
54	7.00N-0.00W	24	72	1	0.2	1	10	
55	0.25	18	84	1	0.2	1	10	
56	0.50	24	80	1	0.2	1	10	
57	0.75	28	74	1	0.2	1	10	
58	1.00	26	76	1	0.2	1	10	
59	1.25	14	70	1	0.2	1	10	
60	1.50	26	70	1	0.2	1	10	
61	1.75	26	68	1	0.2	1	10	
62	2.25	32	60	1	0.4	1	10	
63	2.50	32	60	2	0.4	1	10	
64	2.75	20	58	1	0.2	1	10	
65	3.00	32	58	1	0.4	1	10	
66	3.25	30	74	1	0.4	1	10	
67	3.50	28	76	1	0.2	1	10	
68	3.75	28	62	1	0.2	1	10	
69	4.00	30	78	1	0.4	1	10	
70	4.25	26	68	1	0.2	1	10	
71	4.50	24	70	1	0.4	1	10	
72	7.00N-4.75W	24	62	1	0.2	1	10	

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	Mo	PPB Au	8507-047 Pg. 5 of 8
73	7.00N-5.00W	22	76	1	0.4	1	10	
74	5.25	64	80	1	0.2	1	10	
75	5.50	32	70	2	0.4	1	10	
76	5.75	50	78	1	0.2	1	950	
77	6.00	46	78	2	0.4	1	10	
78	6.25	42	92	2	0.2	1	10	
79	6.50	36	78	1	0.2	1	10	
80	6.75	48	84	1	0.2	1	10	
81	7.00N-7.00W	70	84	1	0.2	1	10	
82	8.00N-0.00W	48	86	4	0.4	1	10	
83	0.25	54	96	4	0.2	1	10	
84	0.50	40	96	2	0.4	1	10	
85	0.75	52	94	4	0.4	1	10	
86	1.00	46	86	4	0.4	1	10	
87	1.25	46	94	4	0.4	1	10	
88	1.50	48	90	2	0.4	1	10	
89	1.75	50	94	4	0.2	1	10	
90	2.00	50	98	4	0.4	1	10	
91	2.25	78	92	2	0.4	1	10	
92	8.00N-2.50W	66	84	2	0.4	1	10	
93	11.00N-0.00W	62	130	6	0.4	2	10	
94	0.25	50	94	4	0.4	2	10	
95	0.50	58	150	2	0.4	2	10	
96	0.75	52	130	2	0.4	2	10	
97	1.00	52	82	4	0.6	2	10	
98	1.25	74	80	1	0.4	2	10	
99	11.00N-1.50W	94	100	2	0.4	2	10	
100	CHECK NL-5	32	66	72	1.6	14	-	
101	11.00N-1.75W	58	100	4	0.4	1	10	
102	2.00	68	130	2	0.4	1	10	
103	2.25	110	96	1	0.6	1	10	
104	2.50	110	96	2	0.6	1	10	
105	2.75	74	120	2	0.4	1	10	
106	11.00N-3.00W	56	130	1	0.4	1	10	
107	12.00N-0.00W	60	130	1	0.6	1	10	
108	0.25	68	150	4	0.6	1	10	
109	0.50	68	130	2	0.8	1	10	
110	0.75	96	170	2	0.8	2	10	
111	1.00	62	140	2	0.4	1	10	
112	1.25	58	100	1	0.4	1	10	
113	1.50	70	140	2	0.2	2	10	
114	1.75	56	150	1	0.2	1	10	
115	2.00	86	160	4	0.2	1	10	
116	2.25	86	150	4	0.4	1	10	
117	2.50	94	150	4	0.4	1	10	
118	2.75	84	100	4	0.4	1	10	
119	12.00N-3.00W	62	160	2	0.4	1	10	
120	0.00W-0.00N	60	68	1	0.2	1	10	
121	0.25	56	84	4	0.4	1	10	
122	0.50	66	92	2	0.4	1	10	
123	0.75	66	72	1	0.4	1	20	
124	1.00	78	78	1	0.4	1	10	
125	1.25	72	70	1	0.4	1	10	
126	1.50	46	74	1	0.2	1	10	
127	1.75	56	80	1	0.2	1	10	
128	2.00	70	86	1	0.4	1	10	
129	0.00W-2.25N	74	76	1	0.2	1	10	

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	Mo	PPB Au	8507-047 Pg. 6 of 8
130	0.00W-2.50N	70	78	1	0.4	1	10	
131	2.75	60	90	1	0.4	1	10	
132	3.00	52	80	1	0.2	1	10	
133	3.25	24	58	1	0.4	1	10	
134	3.50	36	70	1	0.2	1	10	
135	3.75	40	84	1	0.4	1	10	
136	4.25	44	70	1	0.4	1	10	
137	4.50	52	90	1	0.4	1	10	
138	4.75	28	74	1	0.4	1	10	
139	5.25	32	84	1	0.4	1	10	
140	5.50	30	74	1	0.4	1	10	
141	5.75	24	76	1	0.4	1	10	
142	6.00	28	70	2	0.4	1	10	
143	6.25	30	80	2	0.4	1	10	
144	6.50	32	64	2	0.4	1	10	
145	0.00W-6.75N	30	64	1	0.4	1	10	
146	7.00W-0.00N	92	80	1	0.4	1	10	
147	0.25	94	78	1	0.2	1	10	
148	0.50	120	82	1	0.4	1	10	
149	7.00W-0.75N	74	78	1	0.2	1	10	
2	7.00W-1.00N	50	86	4	0.6	2	10	
3	1.25	58	98	2	0.4	2	10	
4	1.50	150	90	1	0.4	1	10	
5	1.75	56	96	1	0.4	1	10	
6	2.00	28	76	1	0.2	1	10	
7	2.25	130	110	1	0.2	1	10	
8	2.50	92	100	2	0.4	1	10	
9	2.75	74	86	1	0.4	1	10	
10	3.00	86	92	2	0.4	1	10	
11	3.25	94	88	1	0.2	2	10	
12	3.50	80	84	1	0.4	1	10	
13	3.75	68	84	1	0.2	1	10	
14	4.00	80	90	1	0.4	1	10	
15	4.25	84	90	1	0.2	1	10	
16	4.50	76	88	1	0.2	2	10	
17	4.75	74	84	1	0.4	2	10	
18	5.00	54	84	1	0.4	1	10	
19	5.25	56	82	1	0.4	2	10	
20	5.50	36	74	1	0.2	1	10	
21	5.75	30	78	2	0.2	1	10	
22	6.00	38	76	2	0.4	1	10	
23	6.25	40	90	1	0.4	1	10	
24	6.50	62	88	1	0.2	1	10	
25	6.75	76	88	1	0.2	1	10	
26	7.00W-7.00N	32	72	1	0.2	1	10	
27	Line 9- P 1	120	94	2	0.4	1	10	
28	2	48	98	2	0.4	4	10	
29	3	68	82	2	0.4	2	10	
30	4	74	88	2	0.2	1	10	
31	5	86	92	1	0.4	1	10	
32	6	86	90	1	0.4	1	10	
33	7	76	100	2	0.4	2	10	
34	8	66	94	1	0.4	2	10	
35	9	56	96	1	0.4	2	10	
36	10	90	80	1	0.2	1	10	
37	11	90	88	1	0.4	1	10	
38	Line 9- P 12	52	74	1	0.4	1	10	

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	Mo	PPB Au	8507-047 Pg. 7 of 8
39	Line 9- P 13	60	84	1	0.2	1	10	
40	14	38	80	1	0.4	1	10	
41	15	34	80	1	0.2	1	10	
42	16	36	76	1	0.2	1	10	
43	17	44	88	1	0.4	1	10	
44	18	34	84	1	0.2	1	10	
45	19	32	82	2	0.4	1	10	
46	20	28	94	2	0.4	1	10	
47	21	22	84	4	0.4	1	10	
48	22	42	76	1	0.4	1	10	
49	23	50	90	1	0.4	1	10	
50	24	44	96	1	0.2	1	10	
51	25	52	80	1	0.2	1	10	
52	26	36	80	1	0.2	1	10	
53	27	48	100	1	0.4	2	10	
54	28	44	100	2	0.4	4	10	
55	29	46	92	6	0.4	1	10	
56	30	48	110	2	0.4	2	10	
57	31	36	70	2	0.4	1	10	
58	32	40	110	2	0.4	2	10	
59	33	36	110	2	0.2	1	10	
60	34	38	110	2	0.4	2	10	
61	35	34	110	4	0.4	2	10	
62	36	40	100	1	0.4	2	10	
63	37	62	160	1	0.2	1	10	
64	38	70	82	1	0.4	1	10	
65	39	54	120	2	0.4	2	10	
66	Line 9- P 40	48	110	2	0.4	2	10	
67	10.00N- P41	150	96	1	0.4	1	10	
68	42	96	98	2	0.4	1	10	
69	43	170	150	6	0.2	1	10	
70	44	98	88	1	0.4	1	50	
71	45	76	94	2	0.2	1	10	
72	46	70	90	1	0.4	1	10	
73	47	74	92	2	0.4	1	10	
74	48	120	100	1	0.2	1	10	
75	49	110	96	1	0.2	1	10	
76	50	100	88	1	0.2	1	10	
77	52	70	100	1	0.2	2	10	
78	53	140	82	1	0.2	1	10	
79	54	90	90	1	0.2	1	10	
80	55	82	90	1	0.2	1	10	
81	57	240	80	1	0.2	1	10	
82	58	240	78	1	0.2	1	10	
83	59	160	80	1	0.2	1	10	
84	60	100	92	1	0.2	1	10	
85	61	60	92	1	0.4	1	10	
86	62	28	64	1	0.2	1	10	
87	63	32	68	1	0.2	1	10	
88	64	110	86	1	0.4	1	10	
89	65	30	72	1	0.2	1	10	
90	66	50	80	1	0.2	1	500	
91	68	28	74	1	0.4	1	10	
92	69	52	66	1	0.4	1	10	
93	70	46	80	2	0.4	1	30	
94	71	50	82	4	0.4	1	10	
95	10.00N- P 72	110	90	1	0.4	1	10	

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	Mo	PPB Au	8507-047 Pg. 8 of 8
96	10.00N- P 73	44	82	1	0.2	1	10	
97	74	54	90	1	0.4	2	10	
98	75	62	90	1	0.4	1	10	
99	10.00N- P 76	50	82	1	0.4	1	10	
100	CHECK NL-5	24	66	68	1.6	12	-	
101	10.00N- P 77	120	88	1	0.2	4	10	
102	78	120	96	1	0.4	2	10	
103	10.00N- P 80	56	98	1	0.4	2	10	
104	P 70952	580	54	1	1.2	24	10	
105	53	770	62	1	1.0	14	20	
106	P 70954	270	50	1	1.0	4	1000	
107	P 70962	70	160	1	0.4	2	10	
108	63	58	150	1	0.4	2	10	
109	64	70	160	1	0.4	2	10	
110	65	80	180	1	0.4	4	10	
111	66	68	180	2	0.4	2	10	
112	67	100	160	2	0.4	4	10	
113	68	64	170	2	0.4	2	10	
114	69	70	150	1	0.4	4	10	
115	70	60	150	1	0.2	2	10	
116	P 70971	52	160	1	0.2	2	10	

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: Wade Creek

CODE : 8507-047

Project No. : 315
 Material : Pan-con
 Remarks :

Sheet: 1
 Geol.: M.W.

Date rec'd: July 17
 Date compl: Aug. 1

Values in PPM, except where noted.

T.T. No.	SAMPLE No.	Sample wt. (g)	Au	Cu	Zn	Pb	Ag
Pan-con	70985	19.7	3600	34	68	4	0.8
	86	18.6	2900	16	54	1	0.4
	87	13.2	5800	2	18	1	0.2
	88	10.8	5700	4	28	1	0.4
	89	15.1	7300	4	24	1	0.4
	90	10.2	2400	32	26	1	0.4
	91	7.3	10	4	20	1	0.2
	92	11.8	10	42	68	1	0.2
	70993	10.1	200	48	56	1	0.2
	70940	14.0	250	32	56	16	0.2
	41	21.9	1300	30	54	1	0.2
	70943	25.1	500	52	80	18	0.2
	70935	23.2	10	28	96	1	0.2
	70280	7.5	4000	26	44	6	0.6
	81	19.8	12000	66	80	20	3.2
	70282	16.0	18000	48	100	1	5.2*
	70972	13.7	3400	12	36	1	0.8
	73	16.5	110	12	38	1	0.2
	74	8.5	10	220	22	1	0.2
	75	13.9	2000	10	28	1	0.2
	77	10.4	3200	36	24	1	0.2
	78	30.5	110	18	72	1	0.4
	79	12.0	10	16	32	1	0.2
	80	22.3	90	4	34	1	0.2
	81	13.0	2900	6	40	1	0.6
	82	20.8	10	12	40	6	0.2
	83	20.5	4500	10	32	1	0.8
	70984	10.7	360	14	24	4	0.2
	70476	22.6	360	16	42	1	0.2
	77	85.4	640	42	76	1	0.2
	78	56.8	2200	16	46	1	0.2
	79	58.5	5200	30	100	6	0.4
	80	15.7	100	28	180	1	0.2
	81	46.3	10	72	180	4	0.2
	82	34.7	320	18	62	1	0.2
	83	33.4	540	22	50	1	0.2
	84	24.3	10	8	42	1	0.2
	85	63.3	10	4	38	1	0.2
	86	37.4	570	22	56	1	0.2
	87	65.8	170	18	54	1	0.2
	88	24.8	10	62	68	24	0.2
	89	48.1	900	74	62	14	0.2
	90	45.7	830	44	54	12	0.2
Pan-con	70491	33.5	30	50	84	4	0.2

Avg 2100

N.B. Pan-con :entire sample used for Au determination.

*Cu, Zn, Pb, Ag values obtained from Aqua Regia sol'n.

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

8507-047

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3P
TEL : (604) 299 - 691

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

CERTIFICATE#: 85523
INVOICE#: 6177
DATE ENTERED: DEC. 18, 1985
FILE NAME: NOR85523
PAGE # : 1

PROJECT: 615 8507-047
TYPE OF ANALYSIS: GEOCHEMICAL *Wade Cr (Mw)*

PRE FIX	SAMPLE NAME	PPB Hg
L	70276	20
L	70277	20
L	70278	10
L	70279	20
L	72476	10
L	72477	30
L	72478	10
L	70939	20

24/2/85 MW DP

CERTIFIED BY :

