NTI CLAIM GROUP

REPORT #2

REPORT ON GEOLOGICAL AND GEOCHEMICAL

WORK FOR ASSESSMENT PURPOSES.

NTI, NTI 2, 3 AND 4 CLAIMS

VICTORIA MINING DIVISION

RECORD NUMBERS 706, 997, 998, 999

48° 55'
124° 05'

N.T.S. MAPSHEET 92C/16E

L.C.P. CO-ORDINATES:

NTI	:	5419500 m	North
		420200 m	East
NTI 2	:	5419100 m	North
		420300 m	East
NTI 3	:	5418100 m	North
		420500 m	East
NTI 4	:	5418100 m	North
		421800 m	East

Authors: Doug. Dance, Craig Stewart

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

Date: July, 1984

TABLE OF CONTENTS

LIST OF APPENDICES

1. ABSTRACT

The NTI claim group was staked to cover the contact between a roof pendant of Paleozoic Sicker Group clastic sediments and Jurassic Island Intrusives. A stream draining this contact contains visible gold and copper geochemical anomalies with the unconsolidated sediments. Chalcopyrite and molybdenum are associated with quartz veins within the intrusive while the sedimentary pendant is pervasively silicified, highly pyritic, pyrrhotitic and contains trace amounts of chalcopyrite mineralization. The mineralized intrusive sedimentary interface represents the primary exploration target on the NTI claim group. A detailed programme of geological and geochemical surveys were completed during 1984 to evaluate this target.

CHAPTER 1 INTRODUCTION

1.1 Introduction

The NTI mineral claim was staked in 1982 as a result of a regional geochemistry programme from which pan samples containing visible gold were obtained. The initial claim consisted of twelve units covering the drainage area lying along the contact of a Paleozoic meta-sedimentary roof pendant with Jurassic Island Intrusives. In June, 1983, an additional 56 units were staked, comprising the NTI 2, 3 and 4 claims which surround the original block to the south and east.

During the 1983 and 1984 field programmes, detailed geological mapping and geochemical surveys were conducted in order to assess the economic potential of the sedimentary intrusive contact. The results of these surveys to date have produced sporadic and generally low level anomalies. Based on the derived information, further exploration work is not recommended at this time.

1.2 Location and Access

The NTI claim group is located on the southern half of Vancouver Island, British Columbia, approximately 28 km on a bearing of 250° from the town of Ladysmith and immediately south of the Chemainus River (Figure 1), N.T.S. mapsheet 92C/16E.

Access onto the claim group is excellent via the MacMillan Bloedel Chemainus Woodland Division logging roads. The Chemainus Mainline provides the primary access from Highway 1, approximately 11 km south of the Ladysmith townsite.

To reach the claims from Ladysmith:

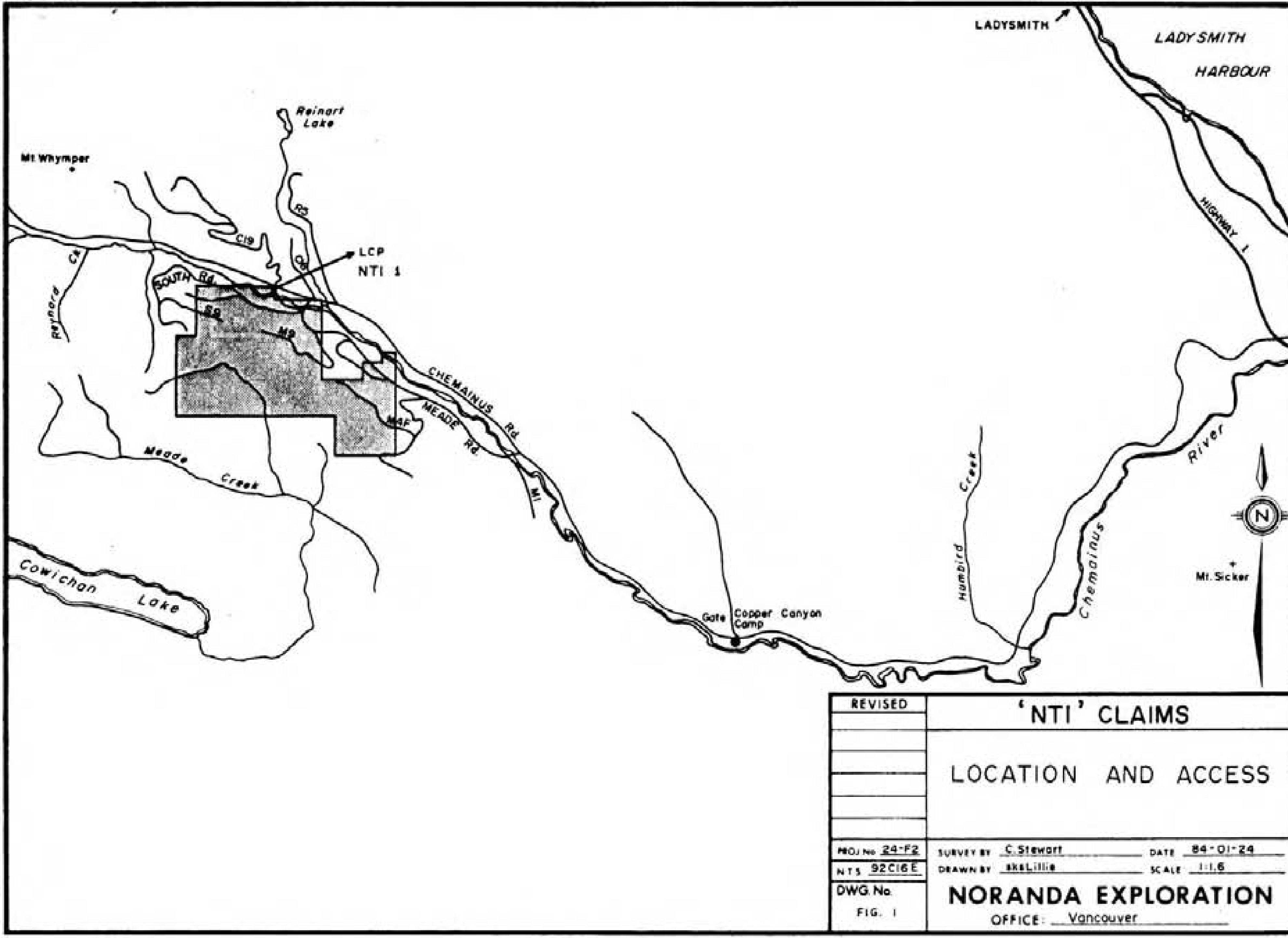
i) Highway 1 south from Ladysmith 11 km to Chemainus Mainline junction;

ii) 22.4 km along Chemainus Mainline to the Copper Canyon Gate;

iii) 6.35 km further on Chemainus Mainline to the Meade Creek turnoff, turn left.

From Meade Creek Road, access to the claim group is accomplished via South Road, M4, M4B, M4C, M4F11, M5, M8, M10, S2, S9 and S11A. These auxillary roads provide varying degrees of access. Generally the M-system roads are accessible by 4-wheel drive whereas the S-system are washed out.

VANCAL 11926



REVISED	
	'NTI' CLAIMS
	LOCATION AND ACCESS
PROJ No. 24-F2	SURVEY BY C. Stewart — DATE 84-01-24
NTS 92C16E	DRAWN BY skaLillie — SCALE 1:1.6
DWG. No. FIG. 1	NORANDA EXPLORATION OFFICE: Vancouver

1.3 Claim Description

i) NTI Claim

Record Number;	706
Claim Units;	3S x 4W, (Total of 12)
L.C.P. Co-ordinates;	5419500 North 420200 East
Expiry Date;	October 29, 1985

ii) NTI 2 Claim

Record Number;	997
Claim Units;	6S x 3E, (Total of 18)
L.C.P. CO-ordinates;	5419100 North 420300 East
Expiry Date;	June 22, 1985

iii) NTI 3 Claim

Record Number;	998
Claim Units;	4S x 5W, (Total of 20)
L.C.P. Co-ordinates;	5418100 North 420500 East
Expiry Date;	June 22, 1985

iv) NTI 4 Claim

Record Number;	999
Claim Units;	6S x 3E, (Total of 18)
L.C.P. Co-ordinates;	5418100 North 421800 East
Expiry Date;	June 22, 1985

1.4 Physiography

The NTI claim group covers a weakly mountainous area immediately south of the Chemainus River. Elevations in this region range from 440 to 820 m, with slopes extending up from the valley floor varying in gradient from 30-70°. Towards the southern half of the claim group, slopes gradually decrease to form a broad flat hilltop. The well rounded nature of the regional topography is indicative of extensive glaciation. Till development is widespread throughout the valley floor but is generally absent on the upper slopes where outcrop exposure is abundant.

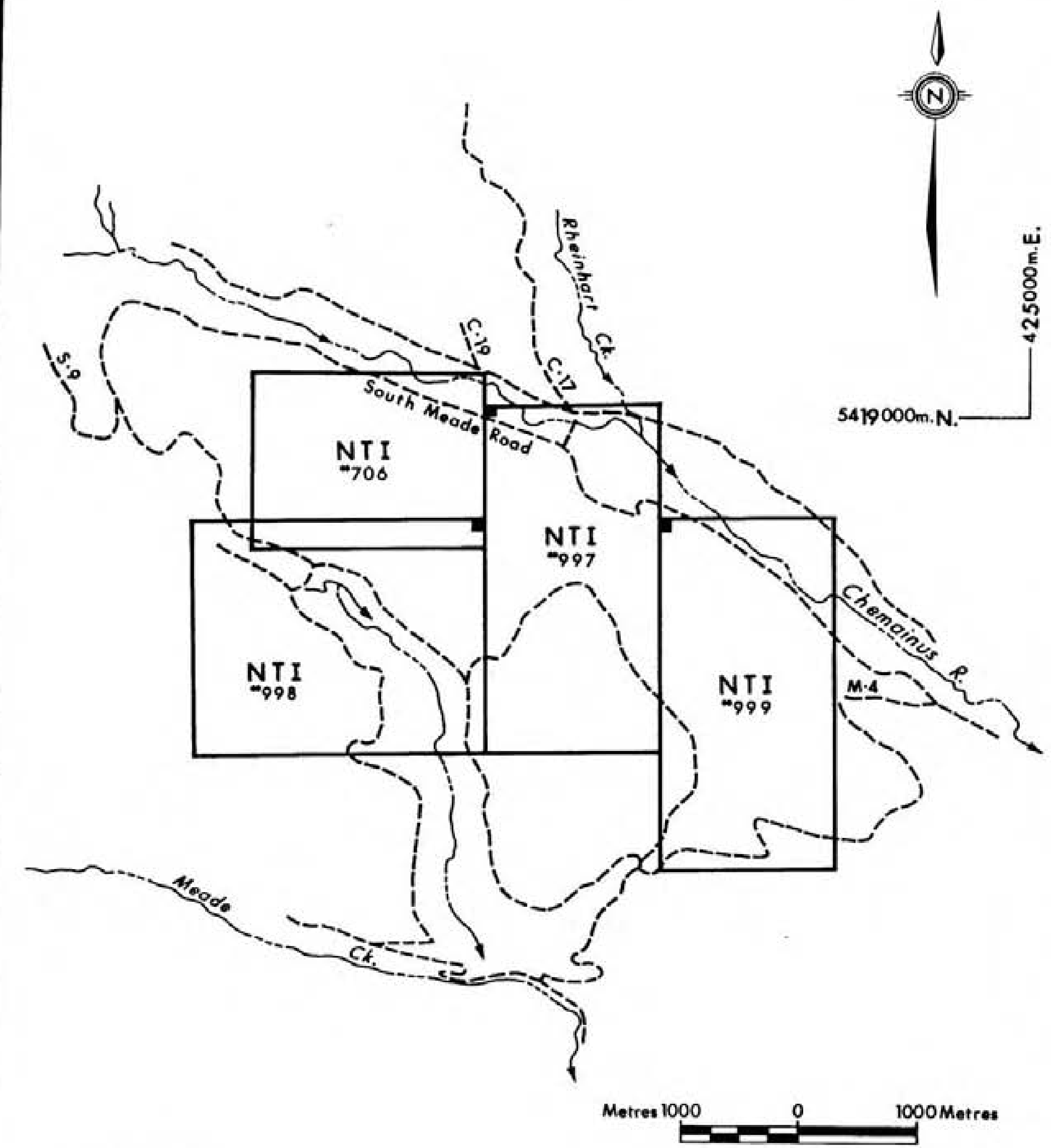
Logging activity has removed the tree cover from the entire NTI claim group. Regeneration is variable with the north slope sporadically covered by vines, bushes, and small evergreens. Creek beds tend to be heavily vegetated. The south slope and mountaintop are covered in a very dense 10-15 year old planted evergreen forest.

Soils are generally of poor quality, consisting primarily of A and C horizons which tend to be thin and highly disturbed. Till horizons, ('B'), are dominant along the Chemainus River valley and along stream beds draining the NTI claims.

1.5 Regional Geology

As mapped by J.E. Muller, (Open File #463, 1977), the NTI mineral claim group covers the contact between Jurassic Island Intrusives and Paleozoic Sicker Group sediments, (Figure 3). The Sicker sediments were described by Muller as, ".....a greywacke-argillite sequence occurs in graded beds, a few millimeters to several centimeters thick, of argillite and siltstone, or in beds to several decimeters thick of greywacke sandstone. The formation is commonly silicified and like the volcanic rocks, its structure varies from almost flat lying beds to isoclinal folds". Outcrops of the sedimentary sequence observed on the claim group are similar to this description with the additional occurrence of coarse conglomeratic units. Silicification is intense throughout the sedimentary sequence with localized pyritization and pyrrhotization.

The intrusive units have been mapped as quartz diorite to diorite in composition. On the claim group proper, the intrusives observed to date vary from granodiorites to diorites and hornblendites which are medium to coarse grained with blocky fracture and abundant quartz veins and veinlets.

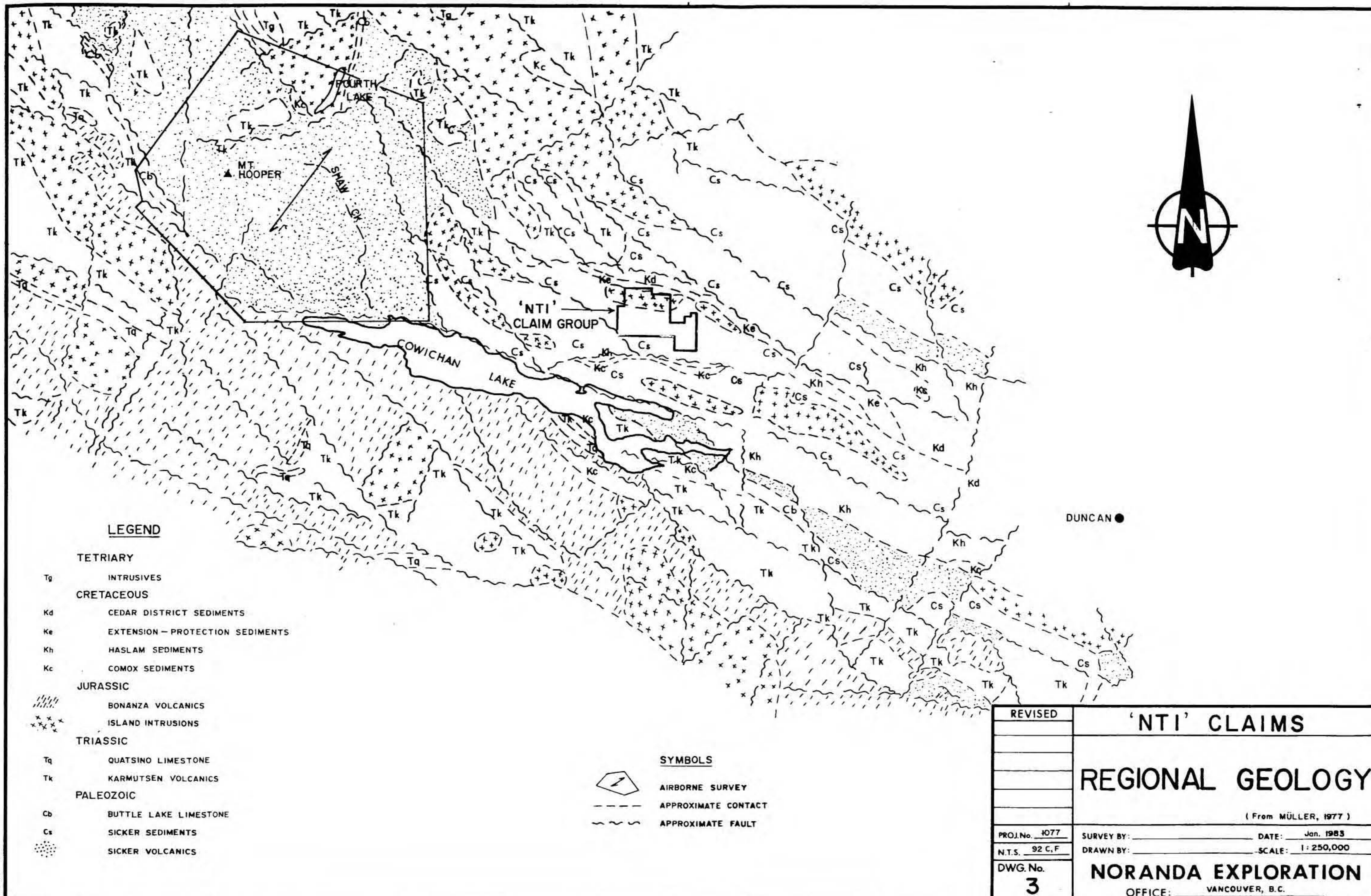


LEGEND

- RIVERS & CREEKS
- CLAIM BOUNDARY
- LEGAL CORNER POST
- LOGGING ROADS

REVISED	NTI CLAIM GROUP
	LOCATION MAP
PROJ. No. 24	SURVEY BY: ; DATE: Sept./84
N.T.S. 92C/16E	DRAWN BY: [signature] ; SCALE: 1:50,000
DWG. No. 2	NORANDA EXPLORATION OFFICE: Vancouver

VANCAL 11927


MT. HOOPER
SHAW CK
FOURTH LAKE
'NTI' CLAIM GROUP
COWICHAN LAKE
DUNCAN
N
LEGEND
TETRIARY
Tg INTRUSIVES
CRETACEOUS
Kd CEDAR DISTRICT SEDIMENTS
Ke EXTENSION – PROTECTION SEDIMENTS
Kh HASLAM SEDIMENTS
Kc COMOX SEDIMENTS
JURASSIC
BONANZA VOLCANICS
ISLAND INTRUSIONS
TRIASSIC
Tq QUATSINO LIMESTONE
Tk KARMUTSEN VOLCANICS
PALEOZOIC
Cb BUTTLE LAKE LIMESTONE
Cs SICKER SEDIMENTS
SICKER VOLCANICS
SYMBOLS
AIRBORNE SURVEY
APPROXIMATE CONTACT
APPROXIMATE FAULT
REVISED
'NTI' CLAIMS
REGIONAL GEOLOGY
(From MÜLLER, 1977)
PROJ.No. 1077
N.T.S. 92 C,F
DWG. No. 3
SURVEY BY:
DRAWN BY:
DATE: Jan. 1983
SCALE: 1 : 250,000
NORANDA EXPLORATION
OFFICE: VANCOUVER, B.C.
VANCAL - 9581
P.J.A.

CHAPTER 2 PROPERTY GEOLOGY

2.1 Introduction

Medium to coarse grained intrusive bodies, ranging in composition from granodiorite to hornblendite, have invaded and in part incorporated a thick sedimentary sequence consisting of conglomerates, siltstones, greywacke, minor argillites and cherts. Silicification and pyritization of the sediments increase in intensity with proximity to the intrusives.

Mineralization is dominated by pyrite which occurs from 1-20% in the majority of units. Pyrrhotite is also prevalent and may reach 20% within sedimentary intervals. Both sulphides occur in a variety of forms; as fine grained crystals throughout, fracture fillings, very fine to coarse grained pods, crystal aggregates and as coatings along shear planes. Trace chalcopyrite has been observed in association with pyrite and pyrrhotite. In addition, minor amounts of molybdenite occurs along fractures within the granodiorite and float collected from Ridgeway Creek contained 1.24% Zn and 23.7 g.p.t. Ag.

Detailed geological mapping was carried out over much of the NTI claim group at a 1:2,000 scale. The area covered is indicated on Figure 4. Road geology was carried out utilizing a chain and compass to accurately survey the road. Geology was subsequently plotted relative to road position.

Stream geology was mapped by means of topo-fil and compass; the course of the stream plotted in terms of degrees azimuth.

The areas mapped in detail have been arbitrarily divided into three mapsheets which cover the following logging roads and creeks:

Mapsheet 1 - logging roads M4, M4B, M4C and M4F1 as well as Mowat Creek.

Mapsheet 2 - logging roads M8 and M10 as well as Carmichael and Halme Creeks.

Mapsheet 3 - logging roads S2, S9A, S11A and Ridgeway Creek.

2.2 Detailed Geology

2.2.1 Logging Roads M4B, M4C, M4F1, plus Mowat Creek

As illustrated in Figure 5, a total of 2.75 km of detailed geology was mapped along logging roads M4B,M4C and M4F1. In addition Mowat Creek was mapped in detail between M Road and M4F1. Four major units plus phase variations were identified. These are described below with "Type" discriptive sections indicated.

i) Metasediments, Unit 1 (outcrop A):

Thinly bedded to massive siltstones, sandstone, conglomerate, greywacke, minor cherts and interbedded argillites. Multivariate colouration, but dominantly medium to dark grey, weathering light to dark grey, tan and rusty brown. Sediments are locally folded and sheared. Silicification is prevalent throughout, and appears to increase in intensity near intrusive. Pyrite and pyrrhotite occur as crystal disseminations, fracture fillings and irregular pods.

Unit 1A; Conglomerate and Stretched Pebble Conglomerate (outcrop B)

Pebble to cobble sized clasts within a very fine grained matrix. Medium to dark grey in colour, somewhat mottled with a pale grey to rusty brown weathered surface. Clasts tend to be dark grey, of siltstone to mudstone composition, subangular to well rounded and often appear to be stretched or elongated. Pyrite and pyrrhotite are common (to 15%) as fine grained disseminations and irregular coarse grained pods.

Unit 1B; Pyritic Metasediments (outcrop C)

Thinly bedded to massive siltstone, sandstone, conglomerate, greywacke, minor cherts and interbedded argillites containing greater than 15% pyrite as fine grained disseminations, fracture fillings, and irregular pods.

Unit 1C; Mixed Metasediments (outcrop D)

Thinly bedded to massive siltstone, sandstone, conglomerate, greywacke, minor cherts and interbedded argillite. Similar in description to Unit 1, with extremely variable lithology over a small map interval making mapping as separate units difficult.

ii) Diorite, Unit 3 (outcrop E)

Medium to coarse grained intrusive, primarily composed of euhedral hornblende and plagioclase laths with minor biotite, quartz and accessory magnetite. Dark green to black in colour with a tan-brown to dark green weathered surface. Intruded by numerous felsic dike swarms.

iii) Granodiorite, Unit 4 (outcrop F)

Typically coarse grained with distinctive salt and pepper colouration. Weathered surface is similar to the fresh, but with local zones of intense rusty brown staining due to alteration. Composed of 50%-60% feldspars, 30% hornblende as euhedral laths, 10% quartz ± 10% biotite. Contains numerous rounded mafic xenoliths. May be intensely silicified near contact with metasediments.

iv) Hornblende-Feldspar Porphyry Dike Unit 5 (outcrop G)

Coarse euhedral laths of hornblende and pinkish alkali feldspar within a medium grey-green fine grained matrix. Feldspar phenocrysts tend to be larger (to 2 cm) while the hornblendes are generally less than 1 cm in size. Intrusive contact appears to be relatively quiet with no discernable chill margins.

The stratigraphy along Road M4F1 is dominated by a thick sequence of mixed metasediments. These locally grade into pebble conglomerates which contain sporadic zones of pyrite and pyrrhotite mineralization. The sedimentary succession has been intruded by hornblende feldspar porphyry dikes at 1 + 75 m and 2 + 25 m east. In addition a coarse grained diorite cuts the sediments from 4 + 60 to 6 + 00 metres west.

The sedimentary package is also prevalent along Roads M4B and M4C. To the east the sediments are intruded by coarse grained granodiorite and to the west, on Road M4B, by the diorite.

Outcrop observed within Mowat Creek between loggings Roads Meade Creek Main and M4F1 is dominated by a broad exposure of coarse grained granodiorite bounded at either end by silicified metasediments. The northern, (lower), contact is poorly exposed while the southern, (upper), contact is marked by a gradational change from granodiorite containing numerous metasedimentary xenoliths into pure metasediments. The sediments, (conglomerates, sandstones, siltstones, minor interbedded argillites), are highly siliceous and contain 10-15% very fine to coarse grained pyrite and pyrrhotite with trace amounts of chalcopyrite.

2.2.2 Logging Road M8 and Carmichael Creek

Logging road M8 (Figure 6) is located in the north central portion of the NTI claim group. A total of 2.5 km of detailed geology was mapped along Road M8, as a westward continuation across the property from Road M4F1. In addition, Carmichael Creek was mapped in detail and geochemically sampled between Meade Creek Road and Road M8.

The geological units encountered along Road M8 include mixed metasediments, greywacke and melange, chert, massive siltstone, diorite intrusions and hornblende feldspar porphyry dikes.

i) Metasediments Unit 1; as previously described.

Unit 1C; Mixed Metasediments, as previously described; along Road M8 sequence is dominated by greywackes and massive siltstone horizons.

Unit 1D; Greywacke and Melange. Coarse to fine grained angular rock fragments and assorted clastic material within a fine grained "muddy" matrix. Varies in colour from mid-grey to grey-green to purplish with a similar to rusty brown weathered surface. Clasts tend to be angular and of a fine grained cherty composition often exhibiting distinctive alteration rims. Vary in size from <.1 cm to 10 cm. Soft sediment deformation structures are common, growth faults, slumps, and flame structures. Commonly calcareous.

Unit 1E; Chert. Massive fine grained siliceous sediment with poorly developed bedding features. Dark grey to black with a buff coloured weathered surface. Appears to occur as conformable unit within sedimentary sequence.

Unit 1F; Siltstone. Massive fine grained homogeneous sediment. Dark grey to black with a grey-brown weathered surface. Grades into greywacke. Highly siliceous.

ii) Unit 3; Diorite Intrusive as previously described.

iii) Unit 5; Hornblende-feldspar Porphyry Dike, as previously described. Dikes strike between 300 and 320° and appear to be vertically dipping.

Geologically Mapsheet II covers the central portion of the sedimentary roof pendant structure. The exposure along Road M8 is dominated by mixed metasediments which are interlayered with thick sections of greywacke and melange.

In the east, a strong linear shear zone, several metres in width parallels Road M8 for over 800 metres. The structure strikes 315-320°, is approximately vertically dipping and is locally mineralized with disseminated pyrite.

To the west a coarse grained diorite intrusive cuts the sedimentary section.

Siltstones and greywackes near this contact are highly silicified and contain sporadic pyrite and pyrrhotite mineralization.

Hornblende- feldspar porphyry dikes striking 300-320° appear to cut both the sediments and intrusive on this mapsheet.

2.2.3 Logging Roads M-10, S-9, S-11A and Halme, Ridgeway Creeks

The western contact of the intrusive/sedimentary package was encountered while mapping Roads M-10, S-11A, and a small portion of S-9. In addition Halme Creek (from Road M-10 to S-11A) and Ridgeway Creek (from south road to S-11A) were mapped and prospected, (Figure 7).

Geological units encountered on Mapsheet III include metaconglomerate, pyritic metasediments, mixed metasediments, greywacke, metasiltstone, diorite, altered granodiorite, and hornblende-feldspar porphyry dykes.

i) Metasediments; Unit 1: As previously described in section 2.2.1. Sediments are pervasively silicified, especially adjacent to the contact.

Unit 1a, Metaconglomerate: Intense silicification has masked presence of clasts although they are weakly discernable on weathering surfaces. Contains 5-10% combined fine grained to coarse grained pyrite and pyrrhotite. Weakly chloritic. Is in contact with granodiorite.

Unit 1b, Pyritic Metasediments: As previously described in section 2.2.1.

Unit 1c, Mixed Metasediments: As previously described.

Siltstone and greywacke are the dominant members in this region.

Unit 1d, Greywacke: As previously described in section 2.2.2.

Unit 1e, Metasiltstone: Medium grey weathers tan to rusty brown, fine grained, highly siliceous and pyritic with up to 15% pyrite as disseminations, isolated crystals, fracture fillings, crystal aggregates and surface coatings. Also contains pyrrhotite.

Most unique feature in certain metasiltstone intervals along Road S-11A (especially 1300 to 1400 m), is an anastomosing stockwork of very fine grain quartz veinlets with distinctly bleached, light green alteration halos. The metasiltstone package has also been highly chloritized.

ii) Unit 3; Diorite: As previously described but locally grades into hornblendite, (greater than 80% hornblende). Quartz veins to 1 m sporadically cut intrusive.

iii) Unit 4; Granodiorite

As previously described. Increasingly fractured near contact with sedimentary units. Weak chlorite alteration.

Unit 4a); Altered Granodiorite:

Exposed within Ridgeway Creek. Pale cream white, tan, grey weathers an intense rusty brown. Altered primarily to kaolinite, sericite ± other clays. Contains 2-3% fine grained carbonate quartz phenocrysts preserved. Fine grained pyrite ± pyrrhotite occurs as disseminations, isolated crystals, crystal aggregates, (1-3%).

iv) Unit 5; Feldspar Porphyry. As previously described but with fewer hornblende phenocrysts.

In summary the geology indicated on Mapsheet III represents the western contact between the Paleozoic Sicker sediment roof pendant and the Jurassic Island intrusive diorites and granodiorites. Clastic sediments dominate the region with a relatively narrow dioritic intrusion to the east which is correlated a similar intrusion on the western portion of Mapsheet II.

To the west the sediments are in contact with the coarse grained granodiorite. Both of these units are highly silicified near the contact and contain associated zones of pyritic mineralization.

CHAPTER 3 GEOCHEMICAL PROGRAMME

3.1 Sample Technique

Samples collected on the NTI claim group consisted of soils (233), rocks (87), stream sediments (26), and heavy mineral concentrates (5); a total of 351. Each sample station was marked with one blue and one orange flag upon which is recorded the year, project number, type of sample and sample number. Samples collected along roads were measured in using a chain and as such are accurately surveyed with respect to the roads. Off road sampling was accomplished using a topo-chain and compass.

Soil samples on the NTI claim group (as described in Section 1.4) are generally of poor quality since the red-brown "B" type horizon was the target and this layer is generally absent. The samples were collected in brown Kraft bags, (9 x 12, 32 lb. open end), dried, and subsequently sent to the Noranda laboratory for sifting and analysis.

Silt samples consisted of the sand size and finer fraction of the stream sediment. Silts were also collected in Kraft bags.

Heavy mineral concentrates were obtained by panning a relatively constant volume of material down to the magnetite or comparable fraction. The original volume was predetermined using a large marked sample bag (approx. 50 kg, in weight).

Duplicate whole rock samples were collected, one for analysis and the second as an office sample for reference.

3.2 Analytical Techniques

All of the samples collected, except for 45 rock samples which were assayed, were sent to, and analyzed by Noranda geochemical laboratory in Vancouver.

One hundred fifty one samples including 121 soils, 14 silt, 11 rock and 5 pan samples were analyzed for 11 elements; Cu, Zn, Pb, Ag, Mo, Mn, Fe, Ni, Co, As and Au. All of these are expressed in parts per million with the exception of gold and iron which are expressed in parts per billion and percent respectively. The remaining 112 soils, 12 silts as well as 31 additional rock samples were analyzed for Cu, Zn, Pb, Ag, Mo, As and Au.

Forty five rock samples were sent to Bondar Clegg and Co. Ltd. of Vancouver, British Columbia for assay. All samples were assayed for Au, Ag, As and Cu while one sample, R-68174 was also assayed for Zn and Pb. Cu, Pb, Zn and As values are recorded as percentages while Au and Ag values are expressed in terms of grams per ton.

Sediments and soils are dried at approximately 80°C and seived with a -80 mesh nylon screen. The -80 mesh (0.18 mm) fraction is used for geochemical analysis.

a -80 mesh nylon screen. The -80 mesh (0.18 mm) fraction is used for geochemical analysis.

Rock specimens are pulverized to -120 mesh (0.13 mm). Heavy mineral fractions, (panned samples from constant volume), are analyzed for elements other than gold and then analyzed in its entirety for gold.

Decomposition of a 0.200 g sample, (soils and silts), is accomplished with a concentrated perchloric and nitric acid mixture (3:1), with digestion occurring over a 5 hour period at reflux temperature. Pulps of rocks are weighed out at 0.4 g, and geochemical quantities are doubled relative to the above noted method for digestion.

The concentration of Ag, Co, Cu, Fe, Mo, Ni, Pb, Mn and Zn are determined directly from the digest with a conventional atomic absorption spectrometric procedure. A Varian-Techtron, Model AA-5 or Model AA-475 is used to measure elemental concentrations.

Arsenic values are determined after digestion; a 0.2 g - 0.3 g sample with 1.5 ml of perchloric 70% and 0.5 ml of concentrated nitric acid. A Varian AA-475 equipped with an As-EDL is used to measure the arsenic levels.

For gold, a 10.0 g sample is digested with aqua regia (1 part nitric and 3 parts hydrochloric acid). Gold is then extracted with MIBK from the aqueous solution and values are determined using atomic absorption.

3.3 Sampling Programme and Results

As previously mentioned a total of 351 samples consisting of 5 pans, 26 silts, 87 rocks and 233 soils were collected on the NTI claim group during the 1983 and 1984 field programmes. Analytical results are tabulated in Appendix 2.

The majority of the soil samples were collected in two locations along logging roads M4B, M4C and M4F1 as indicated on Mapsheet 1, and in a soil grid consisting of four soil lines centered on Ridgeway Creek at 200 metre intervals. Soil lines are on a bearing of 110° and extend for 500 metres to both sides of Ridgeway Creek with samples taken at 50 metre intervals. Silt and pan samples were obtained from as many creeks as possible while rock samples were collected from significant alteration zones and mineralization occurrences.

The results of the geochemical programmes to date have been quite discouraging. Follow-up geochemistry has failed to define a source region for the anomalous silt sample (10,000 ppb) collected from Ridgeway Creek.

It is suggested that the presence of gold in Ridgeway Creek may have been derived from sporadic gold occurrences within local glacial till. A piece of float, also from Ridgeway Creek, contained 1.24% Zn and 23.7 g.p.t. Ag, but as before no source was found in the Ridgeway Creek vicinity and therefore the float is not considered to be locally derived.

Two areas on the property remain of minor interest. A rock sample (R-68126) from a small vertical shear on Road M-8 contains 3.05 g.p.t. Au.

Two areas on the property remain of minor interest. A rock sample (R-68126) from a small vertical shear on Road M-8 contains 3.05 g.p.t. Au. Follow-up work shall be conducted in an attempt to expand this zone. In addition, four soil samples taken along Road M-4 were slightly anomalous in Ag (1.0 - 1.4 ppm) (see Figure 5). Although the values are not very encouraging, an attempt may be made to find a potential source of the anomalies.

As for the rest of the NTI geochemical programme, anomalous values are sporadic and low level, and are considered to be a result of spurious soil contents; not reflective of bedrock geology. Further geochemical work may be hindered by the poor development of "B" horizon soils.

CHAPTER 4 CONCLUSIONS AND RECOMMENDATIONS

The intrusive contact between Paleozoic Sicker Group sediments and Jurassic Island Intrusives has been intensively investigated by means of geochemical sampling and detailed geological mapping on the NTI claim group.

Geochemical programmes on the NTI group have produced generally low value, and sporadic anomalies in Au, Cu and Ag. These results are attributed to glacial till anomalies rather than bedrock mineralization. Further geochemical programmes for the NTI claim group are considered low priority due to the poor development of "B" horizon soils.

Detailed geological mapping along the upper logging roads and along the creeks draining the NTI claim group have defined zones of silicic alteration as well as pyritization and pyrrhotization associated with the Jurassic Island Intrusives. These zones have been thoroughly sampled with discouraging results.

Based on the results of the 1983 and 1984 field programmes, the potential for economic mineralization on the NTI claim group is considered low and further exploration work is not recommended.

APPENDIX 1

STATEMENT OF QUALIFICATIONS

CERTIFICATE OF QUALIFICATION

I, Craig Stewart, of the City of North Vancouver, Province of British Columbia do hereby certify that:

1. I am a geologist residing at #6, 1923 Purcell Way, North Vancouver.

2. I am a graduate of the University of Alberta, Edmonton, with a B.Sc. (1980) in geology.

3. I have been practicing my profession since May, 1980 and am at present Project Geologist with Noranda Exploration Company, Limited.

4. I am a member of the Geological Association of Canada.

5. I am a member of the Canadian Institute of Mining and Metallurgy.

DATED: September 14, 1984

C. Stewart, B.Sc.

APPENDIX 2

GEOCHEMICAL RESULTS

NTI CLAIM GROUP GEOCHEMICAL RESULTS

NTS	GCI	TYPE	NUMBER												
CU1G	ZN1G	PB1G	MO1A	W5P	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A	
092C16	00863	????	8464365												
N.A.	N.A.	N.A.	1	N.A.	72	90	2	.2	6	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8464366												
N.A.	N.A.	N.A.	1	N.A.	48	78	2	.2	4	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8464367												
N.A.	N.A.	N.A.	1	N.A.	80	140	2	.2	10	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8464368												
N.A.	N.A.	N.A.	1	N.A.	70	130	2	.2	8	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8464369												
N.A.	N.A.	N.A.	1	N.A.	72	140	2	.2	4	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8464370												
N.A.	N.A.	N.A.	1	N.A.	58	110	2	.2	4	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8464371												
N.A.	N.A.	N.A.	1	N.A.	88	110	2	.2	16	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8464373												
N.A.	N.A.	N.A.	1	N.A.	54	56	2	.2	1	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8464374												
N.A.	N.A.	N.A.	1	N.A.	60	86	2	.2	4	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8464375												
N.A.	N.A.	N.A.	1	N.A.	82	150	2	.2	6	20	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8468101												
N.A.	N.A.	N.A.	1	N.A.	68	54	2	.2	10	20	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8468102												
N.A.	N.A.	N.A.	1	N.A.	62	48	2	.2	1	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8468103												
N.A.	N.A.	N.A.	1	N.A.	46	48	2	.2	4	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8468104												
N.A.	N.A.	N.A.	1	N.A.	56	44	2	.2	4	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8468105												
N.A.	N.A.	N.A.	1	N.A.	60	74	2	.2	6	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8468106												
N.A.	N.A.	N.A.	1	N.A.	40	56	2	.2	4	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8468107												
N.A.	N.A.	N.A.	1	N.A.	54	78	2	.2	8	10	N.A.	N.A.	N.A.	N.A.	
092C16	00863	????	8468108												
N.A.	N.A.	N.A.	1	N.A.	62	170	2	.2	10	10	N.A.	N.A.	N.A.	N.A.	

NTI CLAIM GROUP GEOCHEMICAL RESULTS

NTS	GCI	TYPE	NUMBER	CU1G	ZN1G	PB1G	MO1A	WSP	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16	00863	7777	8468109	N.A.	N.A.	N.A.	1	N.A.	90	70	2	.2	8	10	N.A.	N.A.	N.A.	N.A.
092C16	00863	7777	8468110	N.A.	N.A.	N.A.	1	N.A.	120	64	2	.2	12	10	N.A.	N.A.	N.A.	N.A.
092C16	00863	7777	8468111	N.A.	N.A.	N.A.	1	N.A.	84	56	2	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	00863	7777	8468112	N.A.	N.A.	N.A.	1	N.A.	140	64	2	.2	10	10	N.A.	N.A.	N.A.	N.A.
092C16	00863	7777	8468113	N.A.	N.A.	N.A.	1	N.A.	98	66	2	.2	4	10	N.A.	N.A.	N.A.	N.A.
092C16	00863	7777	8468114	N.A.	N.A.	N.A.	1	N.A.	24	84	2	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	00863	7777	8468115	N.A.	N.A.	N.A.	1	N.A.	32	50	2	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	00863	7777	8468116	N.A.	N.A.	N.A.	1	N.A.	60	52	2	.2	24	10	N.A.	N.A.	N.A.	N.A.
092C16	00863	7777	8468117	N.A.	N.A.	N.A.	1	N.A.	46	92	2	.2	10	10	N.A.	N.A.	N.A.	N.A.
092C16	00863	7777	8468119	N.A.	N.A.	N.A.	1	N.A.	60	140	2	.2	18	10	N.A.	N.A.	N.A.	N.A.
092C16	00863	7777	8468120	N.A.	N.A.	N.A.	1	N.A.	80	98	2	.2	6	10	N.A.	N.A.	N.A.	N.A.
092C16	00863	7777	8468121	N.A.	N.A.	N.A.	1	N.A.	50	80	2	1.2	2	10	N.A.	N.A.	N.A.	N.A.
092C16	00863	7777	8468122	N.A.	N.A.	N.A.	1	N.A.	84	130	2	.2	10	10	N.A.	N.A.	N.A.	N.A.
092C16	00864	7777	8468088	N.A.	N.A.	N.A.	1	N.A.	80	74	2	.2	2	10	N.A.	N.A.	N.A.	N.A.
092C16	00864	7777	8468090	N.A.	N.A.	N.A.	1	N.A.	74	70	2	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	00864	7777	8468091	N.A.	N.A.	N.A.	1	N.A.	72	68	2	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	00864	7777	8468092	N.A.	N.A.	N.A.	1	N.A.	74	68	2	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	00864	7777	8468093	N.A.	N.A.	N.A.	1	N.A.	76	82	2	.2	10	10	N.A.	N.A.	N.A.	N.A.

NTI CLAIM GROUP GEOCHEMICAL RESULTS

NTS CU1G	GCI ZN1G	TYPE PB1G	NUMBER MO1A	WSP	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16 N.A.	00864 N.A.	???? N.A.	8468094 1	N.A.	74	76	2	.2	12	10	N.A.	N.A.	N.A.	N.A.
092C16 N.A.	00865 N.A.	???? N.A.	8465171 1	N.A.	60	54	N.A.	.2	12	10	N.A.	N.A.	N.A.	N.A.
092C16 N.A.	00877 N.A.	???? N.A.	8320426 1	N.A.	180	44	2	.6	1	10	32	22	4.0	550
092C16 N.A.	00877 N.A.	???? N.A.	8320427 1	N.A.	68	44	2	.2	1	10	26	22	3.1	700
092C16 N.A.	00877 N.A.	???? N.A.	8320428 1	N.A.	76	56	2	.2	1	10	20	34	3.4	440
092C16 N.A.	00877 N.A.	???? N.A.	8320429 1	N.A.	58	50	2	.2	1	10	18	24	3.0	500
092C16 N.A.	00877 N.A.	???? N.A.	8321230 1	N.A.	48	44	2	.2	1	10	18	24	3.2	300
092C16 N.A.	00877 N.A.	???? N.A.	8321231 1	N.A.	28	50	2	.2	1	10	14	18	3.6	190
092C16 N.A.	00877 N.A.	???? N.A.	8321232 1	N.A.	50	46	2	.2	1	10	18	26	3.7	450
092C16 N.A.	00877 N.A.	???? N.A.	8321233 1	N.A.	38	50	2	.2	1	10	24	28	8.8	460
092C16 N.A.	00877 N.A.	???? N.A.	8321234 1	N.A.	58	44	2	.2	1	10	20	24	3.1	430
092C16 N.A.	00877 N.A.	???? N.A.	8321235 1	N.A.	20	34	2	.2	1	10	12	14	2.3	230
092C16 N.A.	00877 N.A.	???? N.A.	8321236 1	N.A.	42	40	2	.2	1	10	20	24	5.1	400
092C16 N.A.	00877 N.A.	???? N.A.	8321237 1	N.A.	60	36	2	.2	1	10	20	28	3.4	550
092C16 N.A.	00877 N.A.	???? N.A.	8321238 1	N.A.	16	32	2	.2	1	10	14	12	2.2	210
092C16 N.A.	00877 N.A.	???? N.A.	8321239 1	N.A.	46	42	2	.2	1	10	14	16	3.0	200
092C16 N.A.	00877 N.A.	???? N.A.	8321240 1	N.A.	44	42	2	.2	1	10	22	24	6.4	440
092C16 N.A.	00877 N.A.	???? N.A.	8321241 1	N.A.	50	50	2	.2	1	10	20	26	3.8	440

NTI CLAIM GROUP GEOCHEMICAL RESULTS

NTS	GCI	TYPE	NUMBER	CU1G	ZN1G	PB1G	MO1A	W5P	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16	00877	????	8321242	N.A.	N.A.	N.A.	1	N.A.	60	38	2	.2	1	10	16	20	2.8	300
092C16	00877	????	8321243	N.A.	N.A.	N.A.	1	N.A.	40	38	2	.2	1	10	16	20	3.0	200
092C16	00877	????	8321244	N.A.	N.A.	N.A.	1	N.A.	54	52	2	.2	1	10	18	24	2.9	400
092C16	00877	????	8321245	N.A.	N.A.	N.A.	1	N.A.	52	48	2	.2	1	10	22	26	6.4	420
092C16	00877	????	8321246	N.A.	N.A.	N.A.	1	N.A.	40	42	2	.2	4	10	18	16	3.3	540
092C16	00877	????	8321247	N.A.	N.A.	N.A.	1	N.A.	62	38	2	.2	1	10	16	20	2.8	200
092C16	00877	????	8321248	N.A.	N.A.	N.A.	1	N.A.	58	34	2	.2	1	10	20	22	3.2	170
092C16	00877	????	8321249	N.A.	N.A.	N.A.	1	N.A.	48	42	2	.2	1	10	18	20	5.0	370
092C16	00877	????	8321250	N.A.	N.A.	N.A.	1	N.A.	56	48	2	.2	1	10	18	24	3.2	350
092C16	00879	????	8347464	N.A.	N.A.	N.A.	140	N.A.	320	34	2	.2	1	10	24	22	3.7	500
092C16	00879	????	8347465	N.A.	N.A.	N.A.	1	2	2	18	2	.2	1	10	24	22	1.2	740
092C16	00879	????	8347466	N.A.	N.A.	N.A.	1	N.A.	10	10	2	.2	4	10	8	10	.8	360
092C16	00879	????	8347467	N.A.	N.A.	N.A.	1	N.A.	1400	14	2	1.4	1	10	220	44	1.3	460
092C16	00879	????	8347468	N.A.	N.A.	N.A.	1	N.A.	14	38	2	.2	1	10	20	18	3.0	600
092C16	00879	????	8347469	N.A.	N.A.	N.A.	140	N.A.	2100	50	2	1.0	8	30	18	16	3.2	480
092C16	01729	????	8322662	N.A.	N.A.	N.A.	1	N.A.	34	58	2	.2	1	10	14	N.A.	4.9	240
092C16	01729	????	8322663	N.A.	N.A.	N.A.	1	N.A.	36	82	6	.4	1	10	16	N.A.	4.9	280
092C16	01729	????	8322664	N.A.	N.A.	N.A.	1	N.A.	18	30	2	.2	1	10	8	N.A.	3.3	150

NTI CLAIM GROUP GEOCHEMICAL RESULTS

NTS	GCI	TYPE	NUMBER	CU1G	ZN1G	PB1G	MO1A	W5P	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16	01729	7777	8322665	N.A.	N.A.	N.A.	1	N.A.	32	48	2	.4	1	10	12	N.A.	4.2	280
092C16	01729	7777	8322666	N.A.	N.A.	N.A.	1	N.A.	20	50	2	.8	1	10	8	N.A.	2.6	210
092C16	01729	7777	8322667	N.A.	N.A.	N.A.	1	N.A.	66	70	2	.2	1	10	18	N.A.	4.8	330
092C16	01729	7777	8322668	N.A.	N.A.	N.A.	1	N.A.	34	46	2	.6	1	10	10	N.A.	4.0	230
092C16	01729	7777	8322669	N.A.	N.A.	N.A.	1	N.A.	8	14	2	.2	1	10	6	N.A.	1.8	110
092C16	01729	7777	8322670	N.A.	N.A.	N.A.	1	N.A.	34	40	4	.6	1	10	14	N.A.	3.1	370
092C16	01729	7777	8322671	N.A.	N.A.	N.A.	1	N.A.	56	74	2	.6	1	10	14	N.A.	4.5	340
092C16	01729	7777	8322672	N.A.	N.A.	N.A.	1	N.A.	24	46	4	1.4	1	10	8	N.A.	3.1	230
092C16	01729	7777	8322673	N.A.	N.A.	N.A.	1	N.A.	80	70	2	1.0	1	10	18	N.A.	5.5	360
092C16	01729	7777	8322674	N.A.	N.A.	N.A.	1	N.A.	10	20	2	.4	1	10	8	N.A.	2.0	100
092C16	01729	7777	8322675	N.A.	N.A.	N.A.	1	N.A.	36	52	2	.6	1	10	12	N.A.	5.3	250
092C16	01729	7777	8343827	N.A.	N.A.	N.A.	1	N.A.	64	82	8	.2	1	10	22	N.A.	4.7	500
092C16	01729	7777	8346852	N.A.	N.A.	N.A.	1	N.A.	8	24	2	.4	1	10	6	N.A.	1.8	170
092C16	01729	7777	8346853	N.A.	N.A.	N.A.	1	N.A.	32	46	2	.6	1	10	10	N.A.	4.3	230
092C16	01729	7777	8346854	N.A.	N.A.	N.A.	1	N.A.	70	60	4	1.0	1	10	14	N.A.	4.3	320
092C16	01729	7777	8346855	N.A.	N.A.	N.A.	1	N.A.	32	52	4	.4	1	10	20	N.A.	4.1	280
092C16	01729	7777	8346856	N.A.	N.A.	N.A.	1	N.A.	54	54	4	.2	1	10	14	N.A.	4.7	350
092C16	01729	7777	8346857	N.A.	N.A.	N.A.	1	N.A.	14	24	8	.4	1	10	8	N.A.	2.6	310

NTI CLAIM GROUP GEOCHEMICAL RESULTS

NTS	GCI	TYPE	NUMBER	CU1G	ZN1G	PB1G	MO1A	WSP	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16	01729	????	8346858	N.A.	N.A.	N.A.	1	N.A.	20	26	2	.4	1	10	6	N.A.	3.4	140
092C16	01729	????	8346859	N.A.	N.A.	N.A.	1	N.A.	52	80	8	1.4	1	10	76	N.A.	3.8	2700
092C16	01729	????	8346860	N.A.	N.A.	N.A.	1	N.A.	24	44	4	.6	1	10	8	N.A.	2.9	200
092C16	01729	????	8346861	N.A.	N.A.	N.A.	1	N.A.	12	32	2	.2	1	10	8	N.A.	2.2	170
092C16	01729	????	8346862	N.A.	N.A.	N.A.	2	N.A.	80	64	22	.2	16	10	20	N.A.	4.7	720
092C16	01729	????	8346863	N.A.	N.A.	N.A.	1	N.A.	12	42	2	.2	1	10	10	N.A.	2.2	300
092C16	01729	????	8346864	N.A.	N.A.	N.A.	1	N.A.	58	82	2	.2	1	10	18	N.A.	4.4	450
092C16	01729	????	8346865	N.A.	N.A.	N.A.	1	N.A.	86	82	2	.4	1	10	18	N.A.	5.0	360
092C16	01729	????	8346866	N.A.	N.A.	N.A.	1	N.A.	52	76	4	.2	1	10	24	N.A.	3.8	880
092C16	01729	????	8346867	N.A.	N.A.	N.A.	1	N.A.	98	68	2	.2	8	10	24	N.A.	4.7	820
092C16	01729	????	8346868	N.A.	N.A.	N.A.	1	N.A.	38	58	2	.2	1	10	22	N.A.	4.2	430
092C16	01729	????	8346869	N.A.	N.A.	N.A.	1	N.A.	68	58	4	.2	4	10	20	N.A.	3.5	740
092C16	01730	????	8343828	N.A.	N.A.	N.A.	2	N.A.	88	64	2	.4	8	10	24	N.A.	5.0	530
092C16	01730	????	8347306	N.A.	N.A.	N.A.	1	N.A.	94	68	2	.6	40	10	20	N.A.	4.7	400
092C16	01730	????	8347307	N.A.	N.A.	N.A.	1	N.A.	88	70	2	.6	30	10	22	N.A.	5.1	600
092C16	01730	????	8347308	N.A.	N.A.	N.A.	1	N.A.	78	64	2	.4	1	10	24	N.A.	4.8	560
092C16	01730	????	8347309	N.A.	N.A.	N.A.	1	N.A.	120	74	6	.2	1	10	24	N.A.	5.4	590
092C16	01730	????	8347310	N.A.	N.A.	N.A.	1	N.A.	30	58	2	.2	1	10	14	N.A.	3.3	520

NTI CLAIM GROUP GEOCHEMICAL RESULTS

NTS	GCI	TYPE	NUMBER	CU1G	ZN1G	PB1G	MO1A	W5P	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16	01730	????	8347311	N.A.	N.A.	N.A.	1	N.A.	48	70	4	.2	1	10	18	N.A.	3.4	440
092C16	01730	????	8347312	N.A.	N.A.	N.A.	1	N.A.	64	76	2	.4	2	10	20	N.A.	4.5	400
092C16	01730	????	8347313	N.A.	N.A.	N.A.	1	N.A.	90	66	2	.4	16	10	22	N.A.	5.2	360
092C16	01730	????	8347314	N.A.	N.A.	N.A.	1	N.A.	110	66	2	.4	1	10	24	N.A.	5.0	440
092C16	01730	????	8347315	N.A.	N.A.	N.A.	1	N.A.	52	50	2	.2	1	20	16	N.A.	3.6	360
092C16	01730	????	8347316	N.A.	N.A.	N.A.	1	N.A.	38	52	2	.4	1	10	12	N.A.	4.0	360
092C16	01730	????	8347317	N.A.	N.A.	N.A.	1	N.A.	84	60	2	.4	1	10	18	N.A.	4.9	400
092C16	01730	????	8347318	N.A.	N.A.	N.A.	1	N.A.	58	62	2	.4	1	10	18	N.A.	4.9	420
092C16	01730	????	8347319	N.A.	N.A.	N.A.	1	N.A.	70	56	2	.2	1	10	22	N.A.	5.3	500
092C16	01730	????	8347320	N.A.	N.A.	N.A.	1	N.A.	94	96	2	.2	1	10	28	N.A.	4.8	800
092C16	01730	????	8347321	N.A.	N.A.	N.A.	1	N.A.	36	56	4	.8	1	10	12	N.A.	3.1	740
092C16	01730	????	8347322	N.A.	N.A.	N.A.	1	N.A.	76	78	2	.6	1	10	18	N.A.	5.0	500
092C16	01730	????	8347323	N.A.	N.A.	N.A.	1	N.A.	50	90	2	.2	1	10	18	N.A.	4.9	580
092C16	01730	????	8347324	N.A.	N.A.	N.A.	1	N.A.	50	70	2	.6	1	10	14	N.A.	5.1	340
092C16	01730	????	8347325	N.A.	N.A.	N.A.	1	N.A.	64	70	2	.2	1	10	20	N.A.	4.8	340
092C16	01730	????	8347326	N.A.	N.A.	N.A.	1	N.A.	38	56	2	.2	1	10	12	N.A.	4.0	220
092C16	01730	????	8347327	N.A.	N.A.	N.A.	1	N.A.	58	52	2	.2	1	10	14	N.A.	4.5	300
092C16	01730	????	8347328	N.A.	N.A.	N.A.	1	N.A.	32	42	2	.2	1	10	10	N.A.	4.5	160

NTI CLAIM GROUP GEOCHEMICAL RESULTS

NTS CU1G	GCI ZN1G	TYPE PB1G	NUMBER MO1A	W5P	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16 N.A.	01730 N.A.	???? N.A.	8347329 1	N.A.	72	64	2	.2	1	10	16	N.A.	5.0	320
092C16 N.A.	01730 N.A.	???? N.A.	8347330 1	N.A.	40	70	2	.2	1	10	14	N.A.	4.8	500
092C16 N.A.	01730 N.A.	???? N.A.	8347331 1	N.A.	58	68	2	.2	1	10	14	N.A.	5.0	300
092C16 N.A.	01730 N.A.	???? N.A.	8347332 1	N.A.	42	60	4	.2	1	10	14	N.A.	3.7	750
092C16 N.A.	01730 N.A.	???? N.A.	8347333 1	N.A.	84	82	4	.2	1	10	26	N.A.	4.8	800
092C16 N.A.	01731 N.A.	???? N.A.	8346870 1	N.A.	72	62	2	.2	1	10	22	N.A.	4.2	560
092C16 N.A.	01731 N.A.	???? N.A.	8346871 1	N.A.	36	48	2	.2	1	10	10	N.A.	4.7	200
092C16 N.A.	01731 N.A.	???? N.A.	8346872 1	N.A.	44	60	2	.2	1	10	20	N.A.	4.7	420
092C16 N.A.	01731 N.A.	???? N.A.	8346873 1	N.A.	42	62	2	.2	1	10	20	N.A.	3.5	960
092C16 N.A.	01731 N.A.	???? N.A.	8346874 1	N.A.	26	36	8	.2	1	10	12	N.A.	3.1	420
092C16 N.A.	01731 N.A.	???? N.A.	8346875 1	N.A.	16	36	2	.2	1	10	8	N.A.	2.9	240
092C16 N.A.	01731 N.A.	???? N.A.	8346876 1	N.A.	34	56	4	.2	1	10	16	N.A.	3.3	440
092C16 N.A.	01731 N.A.	???? N.A.	8346877 1	N.A.	50	48	2	.2	1	10	14	N.A.	3.4	520
092C16 N.A.	01731 N.A.	???? N.A.	8346878 1	N.A.	20	30	2	.2	1	10	8	N.A.	4.7	170
092C16 N.A.	01731 N.A.	???? N.A.	8346879 1	N.A.	46	48	4	.4	1	10	10	N.A.	4.9	250
092C16 N.A.	01731 N.A.	???? N.A.	8346880 1	N.A.	14	32	8	.2	1	10	8	N.A.	4.8	130
092C16 N.A.	01731 N.A.	???? N.A.	8346881 1	N.A.	40	44	2	.2	1	10	10	N.A.	4.8	260
092C16 N.A.	01731 N.A.	???? N.A.	8346882 1	N.A.	52	52	2	.2	1	10	12	N.A.	4.3	280

NTI CLAIM GROUP GEOCHEMICAL RESULTS

NTS	GCI	TYPE	NUMBER	CU1G	ZN1G	PB1G	MO1A	W5P	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16	01731	????	8346883	N.A.	N.A.	N.A.	1	N.A.	34	42	2	.2	1	10	10	N.A.	3.9	240
092C16	01731	????	8346884	N.A.	N.A.	N.A.	1	N.A.	30	60	2	.2	1	10	18	N.A.	3.8	370
092C16	01731	????	8346885	N.A.	N.A.	N.A.	1	N.A.	40	40	2	.2	1	10	12	N.A.	3.7	330
092C16	01731	????	8346886	N.A.	N.A.	N.A.	1	N.A.	54	56	2	.2	1	10	16	N.A.	4.1	660
092C16	01731	????	8346887	N.A.	N.A.	N.A.	1	N.A.	44	52	2	.2	1	10	16	N.A.	3.8	340
092C16	01731	????	8346888	N.A.	N.A.	N.A.	1	N.A.	80	76	2	.2	8	10	32	N.A.	4.5	1300
092C16	01731	????	8346889	N.A.	N.A.	N.A.	1	N.A.	76	72	2	.2	1	10	26	N.A.	4.3	700
092C16	01731	????	8346890	N.A.	N.A.	N.A.	1	N.A.	42	60	2	.2	1	10	14	N.A.	4.2	280
092C16	01731	????	8346891	N.A.	N.A.	N.A.	1	N.A.	1800	76	2	.2	1	90	72	N.A.	9.0	650
092C16	50058	????	8347334	N.A.	N.A.	N.A.	1	N.A.	72	92	2	.4	1	10	24	N.A.	6.0	540
092C16	50058	????	8347335	N.A.	N.A.	N.A.	1	N.A.	90	78	2	.2	1	10	22	N.A.	5.0	600
092C16	50058	????	8347336	N.A.	N.A.	N.A.	1	N.A.	86	86	2	.2	1	10	26	N.A.	5.8	480
092C16	50058	????	8347337	N.A.	N.A.	N.A.	1	N.A.	34	68	2	.2	1	10	14	N.A.	3.9	1200
092C16	50058	????	8347338	N.A.	N.A.	N.A.	1	N.A.	40	60	2	.2	1	10	26	N.A.	3.8	460
092C16	50058	????	8347339	N.A.	N.A.	N.A.	1	N.A.	92	64	2	.2	1	10	18	N.A.	4.9	400
092C16	50058	????	8347340	N.A.	N.A.	N.A.	1	N.A.	92	76	2	.4	1	10	22	N.A.	4.8	880
092C16	50058	????	8347341	N.A.	N.A.	N.A.	1	N.A.	86	66	4	.2	1	10	48	N.A.	3.4	1600
092C16	50058	????	8347342	N.A.	N.A.	N.A.	1	N.A.	130	64	2	.4	4	10	20	N.A.	5.0	380

NTS	GCI	TYPE	NUMBER	CU1G	ZN1G	PB1G	MO1A	W5P	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16	50058	????	8347343	N.A.	N.A.	N.A.	1	N.A.	44	38	10	.2	1	10	8	N.A.	2.5	420
092C16	50058	????	8347344	N.A.	N.A.	N.A.	1	N.A.	50	48	2	.2	1	10	10	N.A.	4.1	200
092C16	50058	????	8347345	N.A.	N.A.	N.A.	1	N.A.	84	64	2	.2	1	10	16	N.A.	4.8	300
092C16	50058	????	8347346	N.A.	N.A.	N.A.	1	N.A.	36	48	2	.2	1	10	12	N.A.	3.8	220
092C16	50058	????	8347347	N.A.	N.A.	N.A.	1	N.A.	52	58	2	.2	1	10	14	N.A.	4.7	220
092C16	50058	????	8347348	N.A.	N.A.	N.A.	1	N.A.	46	56	2	.2	1	10	14	N.A.	4.5	300
092C16	50058	????	8347349	N.A.	N.A.	N.A.	1	N.A.	76	66	2	.2	1	10	16	N.A.	5.4	260
092C16	50058	????	8347350	N.A.	N.A.	N.A.	1	N.A.	70	88	2	.2	6	10	26	N.A.	6.3	400
092C16	50058	????	8347351	N.A.	N.A.	N.A.	1	N.A.	36	120	4	.6	1	10	36	N.A.	3.7	2300
092C16	50058	????	8347352	N.A.	N.A.	N.A.	1	N.A.	82	94	2	.4	1	10	24	N.A.	5.4	400
092C16	50058	????	8347353	N.A.	N.A.	N.A.	1	N.A.	50	52	2	.2	1	10	12	N.A.	4.7	200
092C16	50058	????	8347354	N.A.	N.A.	N.A.	1	N.A.	70	72	2	.2	1	10	48	N.A.	5.0	460
092C16	50058	????	8347355	N.A.	N.A.	N.A.	1	N.A.	58	60	2	.2	1	10	14	N.A.	4.6	280
092C16	50058	????	8347356	N.A.	N.A.	N.A.	1	N.A.	62	86	2	.2	1	10	20	N.A.	4.8	440
092C16	50058	????	8347357	N.A.	N.A.	N.A.	1	N.A.	50	62	4	.2	1	10	18	N.A.	4.1	320
092C16	50058	????	8347358	N.A.	N.A.	N.A.	1	N.A.	46	96	6	.2	1	60	16	N.A.	4.8	680
092C16	50058	????	8347359	N.A.	N.A.	N.A.	2	N.A.	100	70	6	.2	22	40	16	N.A.	5.0	640
092C16	50058	????	8347360	N.A.	N.A.	N.A.	1	N.A.	44	82	4	.2	1	20	14	N.A.	4.9	320

NTI CLAIM GROUP GEOCHEMICAL RESULTS

NTS	GCI	TYPE	NUMBER	CU1G	ZN1G	PB1G	MO1A	W5P	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16	50058	????	8347361	N.A.	N.A.	N.A.	1	N.A.	16	52	4	.4	1	10	10	N.A.	3.6	230
092C16	51120	ROCK	8462510	N.A.	N.A.	N.A.	N.A.	N.A.	30	64	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462511	N.A.	N.A.	N.A.	N.A.	N.A.	54	54	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462512	N.A.	N.A.	N.A.	N.A.	N.A.	120	100	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462513	N.A.	N.A.	N.A.	N.A.	N.A.	170	32	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462514	N.A.	N.A.	N.A.	N.A.	N.A.	430	30	N.A.	.4	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462515	N.A.	N.A.	N.A.	N.A.	N.A.	420	82	N.A.	1.0	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462516	N.A.	N.A.	N.A.	N.A.	N.A.	380	56	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462517	N.A.	N.A.	N.A.	N.A.	N.A.	230	54	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462518	N.A.	N.A.	N.A.	N.A.	N.A.	140	100	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462519	N.A.	N.A.	N.A.	N.A.	N.A.	220	76	N.A.	.4	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462577	N.A.	N.A.	N.A.	N.A.	N.A.	130	76	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462578	N.A.	N.A.	N.A.	N.A.	N.A.	12	18	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462579	N.A.	N.A.	N.A.	N.A.	N.A.	98	68	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462580	N.A.	N.A.	N.A.	N.A.	N.A.	320	48	N.A.	.6	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462581	N.A.	N.A.	N.A.	N.A.	N.A.	120	46	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462582	N.A.	N.A.	N.A.	N.A.	N.A.	18	38	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462583	N.A.	N.A.	N.A.	N.A.	N.A.	6	36	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.

NTI CLAIM GROUP GEOCHEMICAL RESULTS

NTS CU1G	GCI ZN1G	TYPE PB1G	NUMBER MO1A	W5P	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CD1A	NI1A	FE1A	MN1A
092C16	51120	ROCK	8462584											
N.A.	N.A.	N.A.	N.A.	N.A.	2	30	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462585											
N.A.	N.A.	N.A.	N.A.	N.A.	6	48	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462586											
N.A.	N.A.	N.A.	N.A.	N.A.	64	40	N.A.	.2	1	50	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462587											
N.A.	N.A.	N.A.	N.A.	N.A.	10	42	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462588											
N.A.	N.A.	N.A.	N.A.	N.A.	22	36	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462589											
N.A.	N.A.	N.A.	N.A.	N.A.	34	40	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462590											
N.A.	N.A.	N.A.	N.A.	N.A.	46	40	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462591											
N.A.	N.A.	N.A.	N.A.	N.A.	4	34	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462592											
N.A.	N.A.	N.A.	N.A.	N.A.	52	36	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462593											
N.A.	N.A.	N.A.	N.A.	N.A.	46	72	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	ROCK	8462594											
N.A.	N.A.	N.A.	N.A.	N.A.	42	44	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462751											
N.A.	N.A.	N.A.	N.A.	N.A.	22	38	N.A.	.2	2	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462752											
N.A.	N.A.	N.A.	N.A.	N.A.	70	56	N.A.	.2	8	40	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462753											
N.A.	N.A.	N.A.	N.A.	N.A.	46	58	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462754											
N.A.	N.A.	N.A.	N.A.	N.A.	12	30	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462755											
N.A.	N.A.	N.A.	N.A.	N.A.	18	44	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462756											
N.A.	N.A.	N.A.	N.A.	N.A.	32	64	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462757											
N.A.	N.A.	N.A.	N.A.	N.A.	82	68	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.

NTS	OCI	TYPE	NUMBER											
CU1G	ZN1G	PB1G	MO1A	W5P	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16	51120	SOIL	8462758											
N.A.	N.A.	N.A.	N.A.	N.A.	78	90	N.A.	.2	6	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462759											
N.A.	N.A.	N.A.	N.A.	N.A.	44	54	N.A.	.2	2	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462760											
N.A.	N.A.	N.A.	N.A.	N.A.	74	60	N.A.	.2	10	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462762											
N.A.	N.A.	N.A.	N.A.	N.A.	58	40	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462763											
N.A.	N.A.	N.A.	N.A.	N.A.	62	46	N.A.	.2	1	20	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462764											
N.A.	N.A.	N.A.	N.A.	N.A.	16	52	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462765											
N.A.	N.A.	N.A.	N.A.	N.A.	36	52	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462766											
N.A.	N.A.	N.A.	N.A.	N.A.	30	48	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462767											
N.A.	N.A.	N.A.	N.A.	N.A.	32	50	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462768											
N.A.	N.A.	N.A.	N.A.	N.A.	32	52	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462769											
N.A.	N.A.	N.A.	N.A.	N.A.	10	30	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462770											
N.A.	N.A.	N.A.	N.A.	N.A.	14	36	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462771											
N.A.	N.A.	N.A.	N.A.	N.A.	16	38	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462772											
N.A.	N.A.	N.A.	N.A.	N.A.	36	50	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462773											
N.A.	N.A.	N.A.	N.A.	N.A.	74	42	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462774											
N.A.	N.A.	N.A.	N.A.	N.A.	54	50	N.A.	.2	2	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462775											
N.A.	N.A.	N.A.	N.A.	N.A.	16	42	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462776											
N.A.	N.A.	N.A.	N.A.	N.A.	8	36	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.

NTS	GCI	TYPE	NUMBER	CU1G	ZN1G	PB1G	MO1A	W5P	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16	51120	SOIL	8462777	N.A.	N.A.	N.A.	N.A.	N.A.	8	18	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462778	N.A.	N.A.	N.A.	N.A.	N.A.	18	32	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462779	N.A.	N.A.	N.A.	N.A.	N.A.	36	52	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462781	N.A.	N.A.	N.A.	N.A.	N.A.	4	20	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462783	N.A.	N.A.	N.A.	N.A.	N.A.	20	34	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462784	N.A.	N.A.	N.A.	N.A.	N.A.	54	48	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462785	N.A.	N.A.	N.A.	N.A.	N.A.	10	26	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462786	N.A.	N.A.	N.A.	N.A.	N.A.	26	52	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462787	N.A.	N.A.	N.A.	N.A.	N.A.	26	40	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462788	N.A.	N.A.	N.A.	N.A.	N.A.	18	32	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462789	N.A.	N.A.	N.A.	N.A.	N.A.	34	46	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462790	N.A.	N.A.	N.A.	N.A.	N.A.	30	42	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462791	N.A.	N.A.	N.A.	N.A.	N.A.	34	38	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462792	N.A.	N.A.	N.A.	N.A.	N.A.	78	64	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462793	N.A.	N.A.	N.A.	N.A.	N.A.	30	42	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462794	N.A.	N.A.	N.A.	N.A.	N.A.	32	28	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462951	N.A.	N.A.	N.A.	N.A.	N.A.	42	52	N.A.	.2	8	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462952	N.A.	N.A.	N.A.	N.A.	N.A.	24	50	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.

NTI CLAIM GROUP GEOCHEMICAL RESULTS

NTS	GCI	TYPE	NUMBER	CU1G	ZN1G	PB1G	MO1A	WSP	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16	51120	SOIL	8462953	N.A.	N.A.	N.A.	N.A.	N.A.	44	72	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462954	N.A.	N.A.	N.A.	N.A.	N.A.	16	46	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462955	N.A.	N.A.	N.A.	N.A.	N.A.	84	60	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462956	N.A.	N.A.	N.A.	N.A.	N.A.	150	66	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462957	N.A.	N.A.	N.A.	N.A.	N.A.	56	68	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462958	N.A.	N.A.	N.A.	N.A.	N.A.	46	62	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462959	N.A.	N.A.	N.A.	N.A.	N.A.	52	66	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462960	N.A.	N.A.	N.A.	N.A.	N.A.	64	64	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462961	N.A.	N.A.	N.A.	N.A.	N.A.	52	74	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462962	N.A.	N.A.	N.A.	N.A.	N.A.	52	36	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462963	N.A.	N.A.	N.A.	N.A.	N.A.	50	44	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462964	N.A.	N.A.	N.A.	N.A.	N.A.	56	60	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462965	N.A.	N.A.	N.A.	N.A.	N.A.	60	54	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462966	N.A.	N.A.	N.A.	N.A.	N.A.	56	50	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462967	N.A.	N.A.	N.A.	N.A.	N.A.	42	62	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462968	N.A.	N.A.	N.A.	N.A.	N.A.	32	64	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462969	N.A.	N.A.	N.A.	N.A.	N.A.	62	120	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462970	N.A.	N.A.	N.A.	N.A.	N.A.	54	78	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.

NTS	GCI	TYPE	NUMBER	CU1G	ZN1G	PB1G	MO1A	W5P	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16	51120	SOIL	8462971	N.A.	N.A.	N.A.	N.A.	N.A.	18	46	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462972	N.A.	N.A.	N.A.	N.A.	N.A.	28	60	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462973	N.A.	N.A.	N.A.	N.A.	N.A.	32	46	N.A.	.2	18	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462974	N.A.	N.A.	N.A.	N.A.	N.A.	94	58	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462975	N.A.	N.A.	N.A.	N.A.	N.A.	40	44	N.A.	.4	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462976	N.A.	N.A.	N.A.	N.A.	N.A.	44	42	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462977	N.A.	N.A.	N.A.	N.A.	N.A.	24	52	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	????	8462978	N.A.	N.A.	N.A.	N.A.	N.A.	26	52	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462979	N.A.	N.A.	N.A.	N.A.	N.A.	36	50	N.A.	.4	1	30	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462980	N.A.	N.A.	N.A.	N.A.	N.A.	32	64	N.A.	.4	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462981	N.A.	N.A.	N.A.	N.A.	N.A.	56	74	N.A.	.4	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462982	N.A.	N.A.	N.A.	N.A.	N.A.	34	54	N.A.	.2	1	30	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462983	N.A.	N.A.	N.A.	N.A.	N.A.	62	46	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462984	N.A.	N.A.	N.A.	N.A.	N.A.	94	76	N.A.	.2	24	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462985	N.A.	N.A.	N.A.	N.A.	N.A.	48	42	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462986	N.A.	N.A.	N.A.	N.A.	N.A.	10	32	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462987	N.A.	N.A.	N.A.	N.A.	N.A.	34	74	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462988	N.A.	N.A.	N.A.	N.A.	N.A.	42	78	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.

NTI CLAIM GROUP GEOCHEMICAL RESULTS

NTS	GCI	TYPE	NUMBER	CU1G	ZN1G	PB1G	MO1A	WSP	CU1A	ZN1A	PB1A	AG1A	AS1A	AU1E	CO1A	NI1A	FE1A	MN1A
092C16	51120	SOIL	8462989	N.A.	N.A.	N.A.	N.A.	N.A.	32	60	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462990	N.A.	N.A.	N.A.	N.A.	N.A.	52	44	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462991	N.A.	N.A.	N.A.	N.A.	N.A.	52	52	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462992	N.A.	N.A.	N.A.	N.A.	N.A.	54	64	N.A.	.4	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462993	N.A.	N.A.	N.A.	N.A.	N.A.	34	46	N.A.	.2	1	10	N.A.	N.A.	N.A.	N.A.
092C16	51120	SOIL	8462994	N.A.	N.A.	N.A.	N.A.	N.A.	140	70	N.A.	.2	6	30	N.A.	N.A.	N.A.	N.A.
092E08	00877	SILT	2007827	24	54	16	1	N.A.	N.A.	N.A.	N.A.	1.2	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
092E08	00877	SILT	2007828	80	62	18	1	N.A.	N.A.	N.A.	N.A.	1.0	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
095D09	00475	SILT	0106929	12	100	16	2	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
095D09	00475	SILT	0106930	12	100	12	1	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
095D09	00475	SILT	0106931	16	94	16	1	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

APPENDIX 3

STATEMENT OF COSTS

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COST

PROJECT - NTI CLAIMS **DATE**: JUNE 1984
TYPE OF REPORT - Geology & Geochem

a) **Wages:**

No. of Days -	64 mandays	
Rate per Day -	$92.83	
Dates From -	June 1984	
Total Wages -	64 X $92.83	$5,941.33

b) **Food and Accommodation:**

No. of Days -	64	
Rate per Day -	$25.00	
Dates From -	June 1984	
Total Cost -	64 X $25.00	$1,600.00

c) **Transportation:**

No. of Days -	64	
Rate per Day -	$21.25	
Dates From -	June 1984	
Total cost -	64 X $21.25	$1,360.00

d) **Analysis** $4,513.60
(See atttached schedule)

e) **Cost of Preparation of Report:**

Author	$ 278.49
Drafting	$ 278.49
Typing	$ 92.83

e) Other:

Total Cost $14,064.74

UNIT COSTS

Unit Costs for Geochem

No. of Days -	45	
No. of Units -	351 Samples	
Unit Costs -	31.75 / Sample	
Total cost	351 X $31.75	$11,143.73

Unit Costs for Geology

No. of Days -	19	
No. of Units -	19 mandays	
Unit Costs -	153.74/Manday	
Total Cost	19 X $153.74	$ 2,921.01

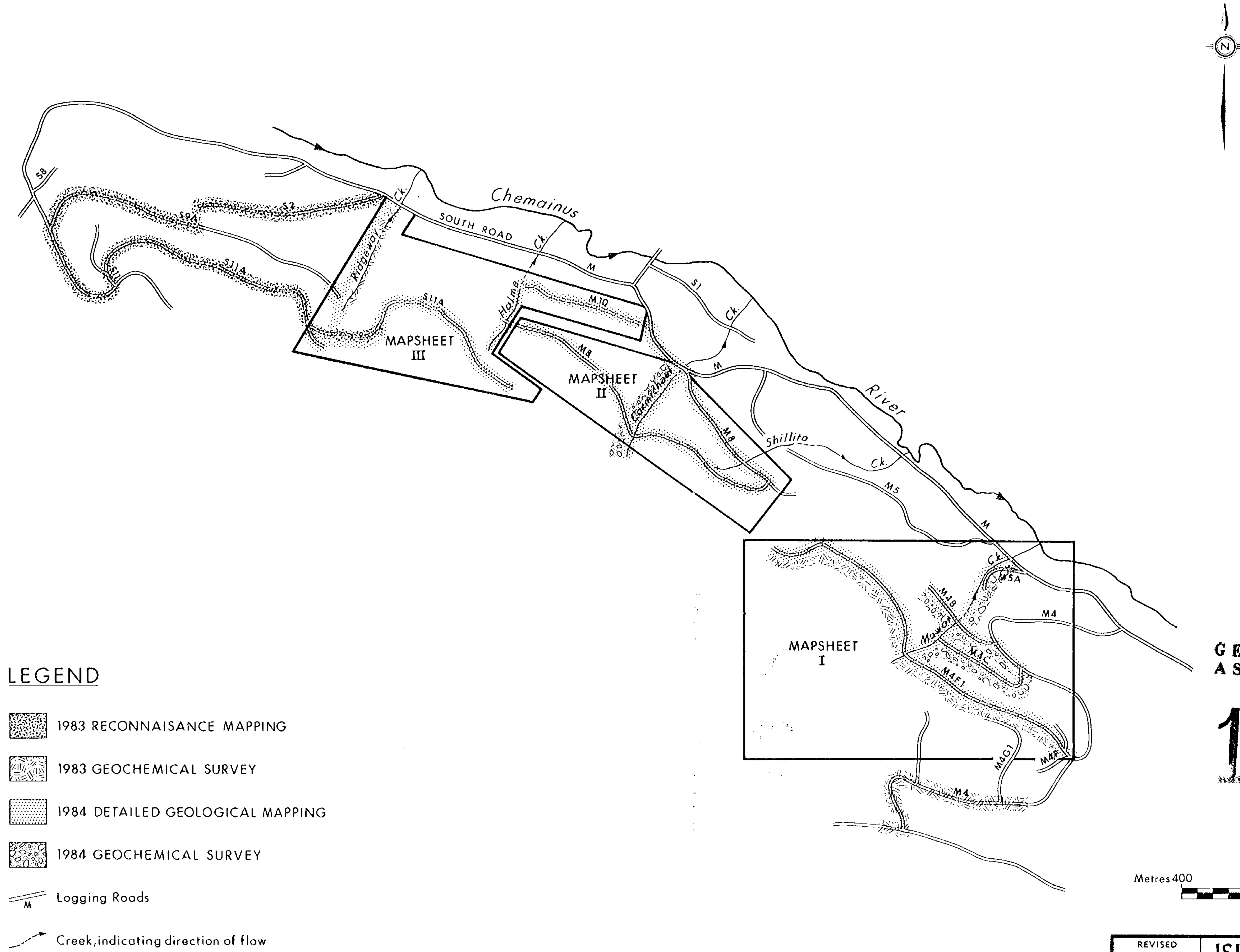
TOTAL COST	$14,064.74

NORANDA EXPLORATION COMPANY, LIMITED

DETAILS OF ANALYSES COSTS

Project: NTI Claims

Element	No. of Determinations	Cost per Determination	Total
Au	305	4.00	1,220.00
Ag	154	1.60	246.40
As	305	2.00	610.00
Cu	154	.60	92.40
Zn	306	.60	183.60
Pb	191	.60	114.60
Mo	180	.60	108.00
Mg	151	.60	90.60
Ni	151	.60	90.60
Co	151	.60	90.60
Fe	151	.60	90.60
Au/Ag	45	10.50	472.50
Cu	45	5.50	247.50
As	45	9.00	405.00
Zn	1	6.00	6.00
Pb	1	6.00	6.00
Ag	151	.60	90.60
Cu	151	1.60	241.60
Sample Preparation			107.00
Total			$4,513.60



GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,606

SCALE
1:20,000

Metres 400 0 400 800 1200 Metres

REVISED	ISLAND GOLD PROJECT
	'NTI' CLAIMS
	FIELD WORK
PROJ. No. 18	SURVEY BY: C. Stewart DATE: Sept/84
N.T.S. 92C/16	DRAWN BY: Kathy SCALE: 1:20,000
DWG. No. 4	NORANDA EXPLORATION
	OFFICE Vancouver

VANCAL 11919


LEGEND
SYMBOLS
Logging Road
M4
Creek, indicating direction of flow
Outcrop, approximate boundary
5+00m Road distance in metres
500m Creek distance in metres
Strike and Dip
x P-68102 Sample Number and Location (P-soil, S-silt, R-rock)
S-64375 Au, Cu, Zn, Pb, Ag, Mo, Mn, Co, Fe, As (ppb)(ppm)(%)(ppm)
R-68078 Au, Ag, Cu, As (g/mt)(%)
GEOLOGY
1 Metasediments
1a Breccia and Stretched Pebble Conglomerate
1b Pyritic Metasediments
1c Mixed Metasediments
3 Diorite
4 Granodiorite
5 Hornblende Feldspar Porphyry
6 Overburden, unconsolidated organic debris, glacial and fluvial drift
Rd M4FI
Rd M4B
Rd M4C
Rd M4A
Rd M
Mowat Creek
460m Elevation
DACITE DYKE
GEOLOGICAL BRANCH ASSESSMENT REPORT
12,606
SCALE 1cm=20m
metres 80 60 40 20 0 40 80 120 160 metres
For Location Map, refer to Figure 4
REVISED
NTI PROJECT
NTI CLAIMS
DETAILED GEOLOGY and SOIL SAMPLE LOCATIONS for Rds. M4A, M4B, M4FI and MOWAT CREEK
PROJ. No. 24
N.T.S. 92C16
DWG. No. 5
SURVEY BY: C.Stewart, D.Dance
DATE: 84-07-03
SCALE: 1:2000
NORANDA EXPLORATION
OFFICE: Vancouver

'NTI' CLAIMS

DETAILED GEOLOGY OF LOGGING RD. M8 & CARMICHAEL CK.

ALSO SHOWING SAMPLE LOCATIONS & GEOCHEM RESULTS

REVISED	
PROJ. No. 24	SURVEY BY: C. Stewart
N.T.S. 92C/16E	DATE: Sept./84
DWG. No. 6	DRAWN BY: [signature]
	SCALE: 1:2000

NORANDA EXPLORATION

OFFICE: Vancouver

•	Au	Cu	Zn	Pb	Ag	Mo	Mn	Co	Fe	As	Ni
P·20427	10	68	44	2	0.2	<2	700	26	3.1	<2	22
P·20428	10	76	56	2	0.2	<2	440	20	3.4	<2	34
P·21230	10	48	44	2	0.2	<2	300	18	3.6	<2	24
P·21231	10	28	50	2	0.2	<2	190	14	3.2	<2	18
P·21234	10	58	44	2	0.2	<2	430	20	3.1	<2	24
P·21235	10	20	34	2	0.2	<2	230	12	2.3	<2	14
P·21237	10	16	32	2	0.2	<2	210	14	2.2	<2	12
P·21238	10	46	42	2	0.2	<2	200	14	3.0	<2	16
P·21242	10	60	38	2	0.2	<2	300	16	2.8	<2	20
P·21243	10	40	38	2	0.2	<2	200	16	3.0	<2	20
P·21247	10	62	38	2	0.2	<2	200	16	2.8	<2	20
P·21248	10	58	34	2	0.2	<2	170	22	3.2	<2	22
S·20429	10	58	50	2	0.2	<2	500	18	3.2	<2	24
S·21232	10	50	46	2	0.2	<2	450	18	3.7	<2	26
S·21237	10	60	36	2	0.2	<2	550	20	3.4	<2	28
S·21241	10	50	50	2	0.2	<2	440	20	3.8	<2	26
S·21244	10	54	52	2	0.2	<2	400	24	2.9	<2	24
S·21250	10	56	48	2	0.2	<2	350	18	3.2	<2	24
H·21233	10	38	50	2	0.2	<2	460	24	8.8	<2	28
H·21236	10	42	40	2	0.2	<2	400	20	5.1	<2	24
H·21240	10	44	40	2	0.2	<2	440	22	6.4	<2	24
H·21245	10	52	48	2	0.2	<2	420	22	6.4	<2	26
H·21249	10	48	42	2	0.2	<2	370	18	5.0	<2	20
R·20426	10	180	44	2	0.6	<2	550	<2	10.0	<2	22
R·21246	10	40	42	2	0.2	<2	540	16	3.3	18	4

GEOLOGICAL BRANCH ASSESSMENT REPORT

12,606

SCALE 1:2000

Metres 50 0 50 100 150 Metres

SAMPLE LOCATIONS & GEOCHEM RESULTS

REVISED

'NTI' CLAIMS

DETAILED GEOLOGY OF LOGGING ROADS - M10, S9, S11A & HALME & RIDGEWAY CREEKS

PROJ. No. 24
N.T.S. 92C/16E
DWG. No. 7

SURVEY BY: C. Stewart DATE: Sept./84
DRAWN BY: [signature] SCALE: 1:2000

NORANDA EXPLORATION
OFFICE: Vancouver