



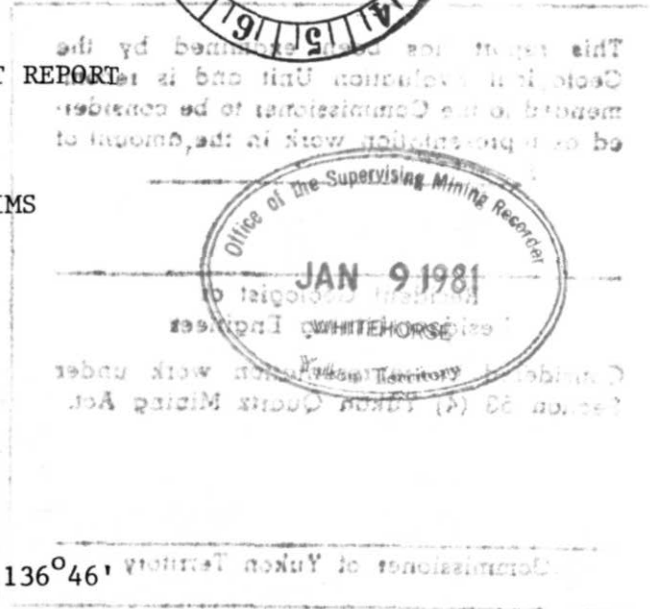
DIAMOND DRILLING ASSESSMENT REPORT

TAH 1-42 MINERAL CLAIMS

115 H 15

61°46'

136°46'



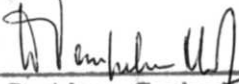
NORANDA EXPLORATION COMPANY LIMITED

(NO PERSONAL LIABILITY)

814
090 ~~814~~

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

\$ 20,000.00



Resident Geologist or
Resident Mining Engineer

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.



B.R. BAXTER
Supervising Mining Recorder



Commissioner of Yukon Territory

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INTRODUCTION

The Claims referred to in this report are registered in the name of Noranda Exploration Company Limited (No Personal Liability).

The Group consists of 42 TAH claims as follows:

<u>Name</u>	<u>Grant Number</u>
TAH 1-42	YA 19437 - YA 19478


The property is located 25 miles southwest of Carmacks, Y.T. on claim sheet 115H/15. Access during 1980 was by helicopter from Carmacks.

During the period May 15 - June 6, 1980 three BQ Diamond Drill Holes for a total length of 882 feet were completed. Drilling was conducted by DRILCOR Industries of Richmond, B.C. as contractor to Noranda.

Drilling was supervised by G. Macdonald, Geologist for Noranda Exploration Company Limited. Core is stored in Whitehorse, Y.T.

DRILL LOGS

The following drill logs will summarize the program.



G. Macdonald, District Geologist
Noranda Exploration Company Limited
(N.P.L.)



CANADA
DEPARTMENT OF
MINES AND TECHNICAL SURVEYS
SURVEYS AND MAPPING BRANCH

YUKON TERRITORY

SCALE 1:4,444,444
1 inch equals approximately 71 miles



Sea Level
Territorial capital

POPULATED PLACES

500 to 2,000
Under 500

Lambert Conformal Conic Projection with Standard Parallels at 49°N and 77°N

Reproduced from the 1:2,000,000 map of Canada by the
Surveys and Mapping Branch, Ottawa, 1963



3	14	27	28	41	42
11	12	25	26	39	40
9	10	23	24	37	38
7	8	1	2	3	35
5	6	19	20	33	34
3	4	17	18	31	32
1	2	15	16	29	30

TAH 1-42

MAP SHEET 115-H-15
 MAP SHEET 115-H-10

CLAIM PLAN - DRILL LOCATION

1" = 1/2 MILE

J. Macdonald

DRILL LOGS

TAN PRELIMINARY

NORANDA EXPLORATION COMPANY, LIMITED

Collared <u>May 24</u>	Completed <u>May 26</u>	Core Size <u>8Q</u>	Property <u>TANHE CR.</u>	Project No <u>931</u>	NTS No. <u>115 H 15</u>
FIELD COORDINATES			SURVEYED COORDINATES		
Lat. <u>175 N</u>	Elev. <u>~130'</u>	Dip <u>-90°</u>	Lat.	Elev.	Dip
Dep. <u>94 E</u>	Depth <u>302</u>	Bearing	Dep.	Depth	Bearing
					Sheet <u>1</u> of <u>1</u>
					Hoist No. <u>TAN 1</u>

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.						
<u>0/87</u>			<u>o. b.</u>										
<u>87/132</u>	<u>80%</u>		<ul style="list-style-type: none"> - med. gr. grey granodiorite - moderate - intensely alt. - intensely fractured - rusty on fractures (py weathered out) 	<u>5%+</u>		<u>To Follow</u>							
<u>32/297</u>			<ul style="list-style-type: none"> - Pinkish-greenish granodiorite - moderately alt. - occas. breccia fragments in f.g. clayey matrix - these are more altered - fractures contain pyrite to 1/2" width - very occas. minor MoS₂ in qtz filled fractures & on dry fractures as "paint" - fractures also contain fluorite and gypsum (?) 	<u>5-10%</u>		"							
<u>297/302</u>			<ul style="list-style-type: none"> - med. gr. fester granodiorite - intensely fractured 	<u>5%</u>		"							

DATE 27 May / 80

LOGGED BY G. Macdonald

NORANDA EXPLORATION COMPANY, LIMITED

PRELIMINARY LOG ONLY

Collared MAY 27	Completed	Core Size BQ	Property Tahte Creek	Project No 931	NTS No. 115 H 15
FIELD COORDINATES			SURVEYED COORDINATES		
Lat. 175 + 00N	Elev. 140'	Dip - 90°	Lat.	Elev.	Dip
Dep. 94 + 00E	Depth 307'	Bearing	Dep.	Depth	Bearing
					Hole No. DDH - 2

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.				
0-35			Overburden								
35-74			Quartz Monzonite - Granite posph: - med. c.g. - altered highly - jarosite on fractures - quartz vein 72 - 74								
74-155	85%		Foliated, gneissic gadiorite (sample enclosed) - fine-medium grained (feldspars → clay) - med. altered (biotite → sericite) - strongly foliated (≈ 60° G.A.) - much fine disseminated precipitate in places > 15-20%/5' - Py in fractures; coarser grained - occasional MoS ₂ in quartz-filled fractures								

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size BQ		Property Tahte Creek			Project No 931		NTS No. 115 H 15			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 4		
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.		
Dep.		Depth		Bearing		Dep.		Depth		Bearing				
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.			
74-155 (cont'd)			- Py. cubes @ 102											
			- quartz veins 117 - 120											
			- occasional small (6") lamp dykes											
			- Heavily pyritized 147 - 162											
			(py. to 1/2")											
	50%		- Quartz vein 150 - 155 , contains c.g.,py. and f.g. black sulphide(Py?)											
			- MoS ₂ @ 129 (±) - 1/4" x-cutting fracture											
55-207			Quartz Monzonite/Porphyry (as far 35 - 74)					5% (?)						
			- highly altered											
			- numerous quartz veinlets											
			- considerable Py in places											
			- very occasional fine grain MoS ₂ on dry fractures and in											
			quartz veinlets											
			- highly fractured											

NORANDA EXPLORATION COMPANY, LIMITED

Collared	Completed	Core Size BQ	Property Tahte Creek	Project No 931	NTS No. 115 H 15
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat.	Elev.	Dip
Dep.	Depth	Bearing	Dep.	Depth	Bearing

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.						
07-246			- Gneissic Granodiorite (as for 74 - 155)										
			- moderate alterations										
			- 5 - 10 % fine grained Py.										
			(biotite± fine grained pyrite)										
			- Occassional "clots" of mafic minerals to 4"										
6-250			Quartz Monzonite (granite porphyry dyke?)										
60-307			Gneissic Granodiorite										
			- 272: 10% - 20% py in Quartz veins & dissemination										
			- red mineralization (hem?) on fracture (box 10)										
			- 292 - 293 MoS ₂ on fractures										

DATE June 12, 1980

LOGGED BY G. Macdonald

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size BQ		Property Tahte Creek			Project No 913		NTS No. 115 H 15		
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 4 of 4	
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.	
Dep.		Depth		Bearing		Dep.		Depth		Bearing			

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.						
307			END OF HOLE										
			Notes:										
			- over all recovery 70%										
			- Core is often highly fractured and returns as rubble at fragments, especially in more highly altered sections.										
			- foliation angles of gneissic granodiorite ore quite consistent										
			- Assays to follow.										

NORANDA EXPLORATION COMPANY, LIMITED PRELIMINARY LOG ONLY

Collared	Completed	Core Size BQ	Property Tahte Creek	Project No 931	NTS No. 115 H 15
FIELD COORDINATES			SURVEYED COORDINATES		
Lat. 174 + 00N	Elev. 100	Dip - 90°	Lat.	Elev.	Dip
Dep. 100 + 00E	Depth 273	Bearing	Dep.	Depth	Bearing
					Hole No. DDH - 3

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.						
0-37			Overburden										
7-95			Moderately-highly altered dark green dyke (lamprophyre dyke?) - bluish/greenish alterations on fractures - intensely fractured - pyrite ± quartz (1/8") on fractures - minor mal. (± Mo oxide) on some fractures	5%									
95-116			Granodiorite or quartz monzonite - porphyritic - mod.-highly altered - pyrite disseminations & pyrite in fractures	5%	4								

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size BQ		Property Tahte Creek			Project No 931		NTS No. 115 H 15			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 2		
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.		
Dep.		Depth		Bearing		Dep.		Depth		Bearing		DDH - 3		
Footage	Rec'y	Graphic Log	Description				% Sulp.	Est. Grade	Sample No.	Lt.				
16-152			Dyke (?) as for 37-95				5%							
52-178			Dioritic (dyke)?											
178-273			Dyke (?) as for 37-95				5%	+						
273			END OF HOLE											
			Notes:											
			- recovery \approx 80%											
			- core as fragments due to intense fracturing in rocks											
			- surface weathering extends in fractures to 273'											

DATE June 12, 1980

LOGGED BY G. Macdonald

NORANDA EXPLORAT. COMPANY, LIMITED

SUMMARY

N.T.S. 115 H-15

PROPERTY TAHTE CREEK DDH-1

DATE August 8, 1980

SAMPLE REPORT

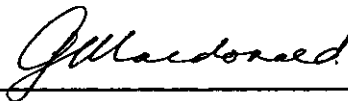
SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	OZ/T			ASSAYS				SAMPLED BY
				Cu %	Au	Ag					
87 - 92		Split	5'	0.03	0.004	0.026					S.C
92 - 97		Core		0.04	0.003	0.026					
97 - 102				0.02	0.007	0.032					
102 - 107				0.02	0.002	0.020					
107 - 112				0.03	0.003	0.026					
112 - 117				0.02	0.005	0.023					
117 - 122				0.03	0.004	0.032					
122 - 127				0.03	0.004	0.023					
127 - 132				0.03	0.003	0.020					
132 - 137				0.04	0.003	0.023					
137 - 142				0.07	0.001	0.035					
142 - 147				0.08	0.003	0.020					↓
147 - 152				0.13	0.003	0.038					S.C
152 - 157				0.06	Tr	0.020					E.J.
157 - 162				0.06		0.012					
162 - 167				0.10		0.020					
167 - 172				0.07		0.018					
172 - 177				0.05		0.015					
177 - 182				0.05		0.020					
182 - 187				0.07		0.018					
187 - 192				0.05		0.020					
192 - 197				0.04		0.015					↓
197 - 202		↓	↓	0.05	↓	0.018					E.J.

A P P E N D I X

STATEMENT OF QUALIFICATIONS

I, GLEN MACDONALD, of the City of Whitehorse in the Yukon Territory,
DO HEREBY CERTIFY that:

1. I have been employed as a Geologist by Noranda Exploration Company Limited (No Personal Liability) since May 1976.
2. I am a graduate of the University of British Columbia, with a Bachelor of Science degree in Geology.
3. I am a member of the Canadian Institute of Mining and Metallurgy.



G. Macdonald, District Geologist
Noranda Exploration Company Limited
(N.P.L.).

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COST

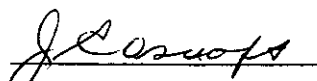
PROJECT Tahte Creek
TYPE OF REPORT Diamond Drilling

DATE December 17, 1980

a) Noranda Wages	NIL
b) Food and Accomodation	2,090.27
c) Transportation	20,215.03
h) Other	
Field Supplies	143.99
Contractors	24,344.35
Recording Fees	<u>20.00</u>
Total Cost	<u>\$46,813.64</u>

e) Unit Costs for	
No. of Units	889 Feet
Unit Costs	52.65876/Foot
Total Cost	889 X \$52.65876
	<u>\$46,813.64</u>

I Certify the above
Costs to be Correct


J.E. Oscroft
Br. Accountant

3	14	27	28	41	42
11	12	25	26	39	40
9	10	23	24	37	38
7	8	21	22	35	36
5	6	19	20	33	34
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1	2	15	16	29	30

TAH 1-42

MAP SHEET 115-H-15
MAP SHEET 115-H-10



Group 3

9	14	27	20	41	42
11	12	25	26	39	40
9	10	23	24	37	38
7	8	21	22	35	36
5	6	19	20	33	34
3	4	17	18	31	32
1	2	15	16	29	30

TAH 1-42

MAP SHEET 115-H-15
 MAP SHEET 115-H-10



GROUP 3

12	27	20	41	42
11	12	25	26	39
9	10	23	24	37
7	8	21	22	35
5	6	19	20	33
3	4	17	18	31
1	2	15	16	29

TAH 1-42

MAP SHEET 115-H-15
 MAP SHEET 115-H-10



Group I