GEOLOGICAL and GEOCHEMICAL

REPORT ON THE

GOLD PROPERTY

(Gold 1 - 4 CLAIMS)

N.T.S. 104 G/02

LIARD MINING DIVISION

Situated at coordinates: 57° 02' N
130° 43' W

NORANDA EXPLORATION COMPANY, LIMITED
(NO PERSONAL LIABILITY)

by Robert Baerg
Trevor East

October, 1991

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LIST OF FIGURES

1.0 Summary

The Gold claims were acquired by option from Santa Marina Gold Ltd./Koala Resources Ltd. in August 1990. There is no history of work prior to 1990 on the property. During 1990 a program of airborne EM-Mag surveys, reconnaissance geological mapping, soil, silt, rock and pan sampling was completed on the property. From June to August 1991, reconnaiscance geological mapping, prospecting, soil, silt and rock sampling was undertaken.

Approximately 75% of the property is underlain by Jurassic quartz-feldspar porphyry granite, the remainder being underlain by Permian metavolcanics and sediments.

Mineralization located to date consists of disseminated pyrite in the intrusive and Permian rocks and local quartz-chalcopyrite veins within a volcanic roof pendant in the intrusive. The best gold results, 4.14 gmt in a grab sample, came from a quartz-chalcopyrite vein.

The 1991 work programs were unsuccessful in delineating geochemically anomalous areas and in fact in most cases failed to reproduce the 1990 values. As a result no further work is recommended on the property.

2.0 Introduction:

The Gold property was optioned from Santa Marina Gold Ltd./ Koala Resources Ltd. in August of 1990. The property had no previous exploration history prior to 1990. 1991 field programs on the property consisted of reconnaissance geological mapping, prospecting, soil, rock and silt sampling.

3.0 Location & Access:

The Gold property is located along the More Creek valley 15 km west of Highway #37 and Bob Quinn Lake. Access is via helicopter from Bob Quinn Lake where Vancouver Island Helicopters has a permanent base.

4.0 History:

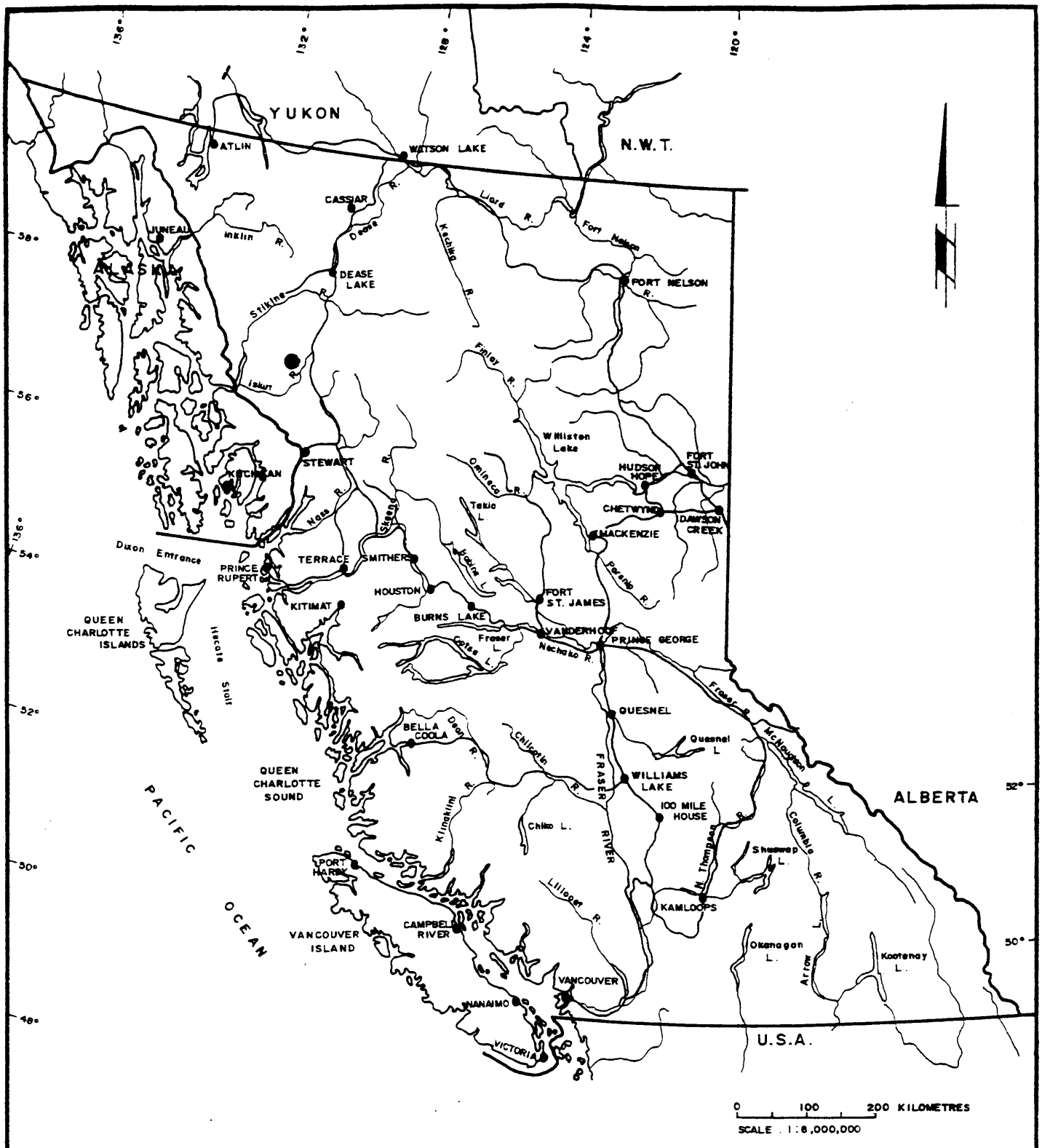
Although there has been considerable work done in the surrounding area over the past few years no work had been reported on the area covered by the Gold claims prior to 1990.

5.0 Physiography & Vegetation:

The area along the More Creek valley is one of high relief, ranging from the flat outwash plains in the valley bottom to high rugged ridges. Elevations range from 520 to 1860 meters. Slopes generally range from 20 to 45 degrees with local steeper sections. Vegetation consists of sparse to moderately abundant spruce with heavy undergrowth of alder, devil's club and buckbrush at lower elevations. These thin out upslope into grass covered alpine slopes.

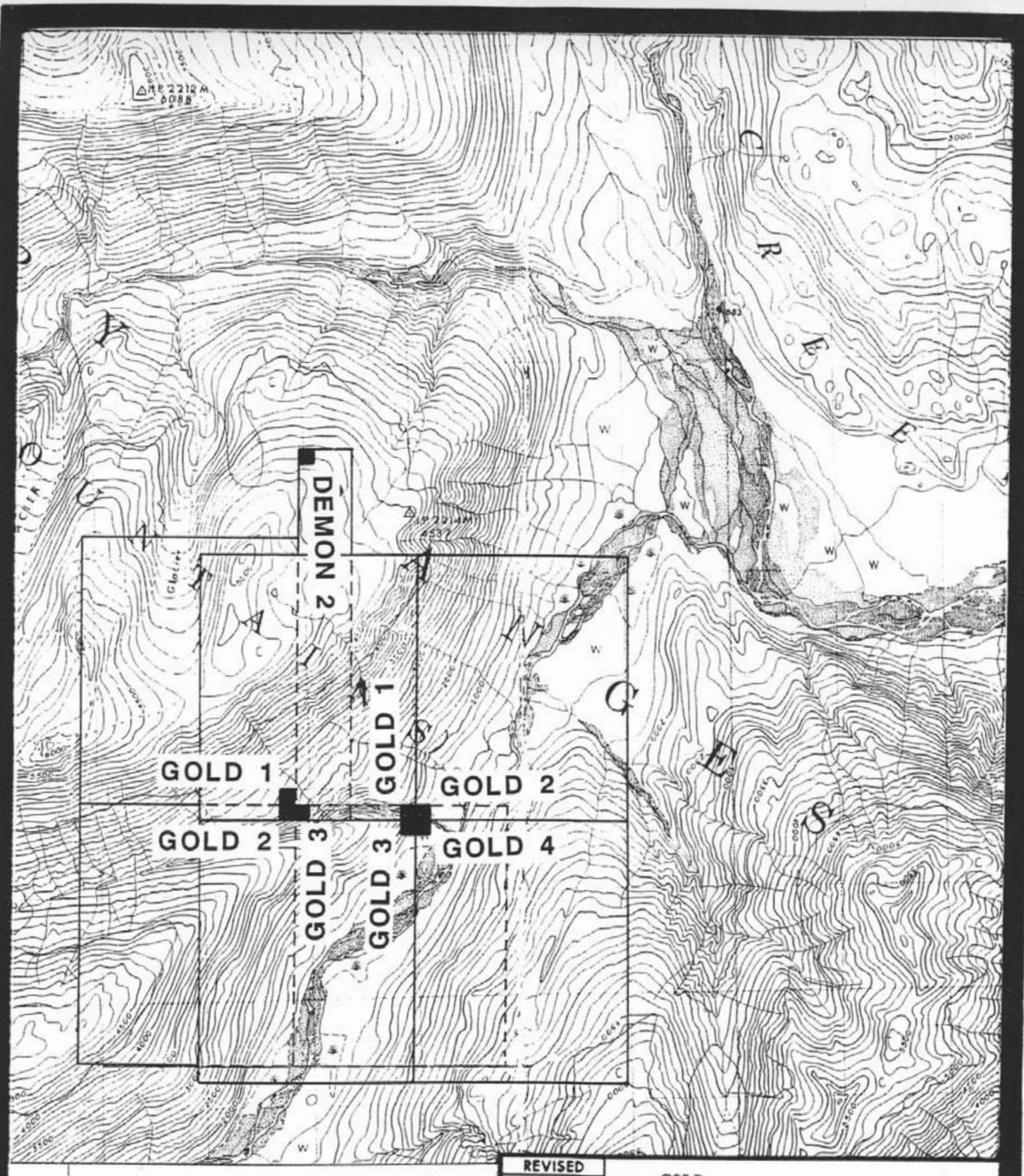
6.0 Claim Statistics:

NAME	UNITS	RECORD #	EXPIRY DATE
Gold 1	20	7309	May 11, 1993
Gold 2	20	7310	May 11, 1993
Gold 3	20	7311	May 11, 1993
Gold 1	20	7064	Mar. 4, 1992
Gold 2	20	7065	Mar. 4, 1992
Gold 3	20	7066	Mar. 4, 1992
Gold 4	20	7067	Mar. 4, 1992
Demon 2	7	7773	Aug.22, 1993



REVISED	GOLD
	LOCATION MAP
PROJ. No. 229	SURVEY BY: R. Baerg DATE: Nov/91
N.T.S. 104G2	DRAWN BY: S.K.B. SCALE: 1:8,000,000
DWG. No. 1	**NORANDA EXPLORATION**
	OFFICE: PRINCE GEORGE, B.C.

VANCAL 11927



45'

LE CREEK

MAR LAND DISTRICT

S.. COLUMBIA

e 1:50,000 Échelle

1 2 3 Miles

2000 3000 4000 Mètres

REVISED	GOLD
	CLAIM MAP
PROJ. No. 229	SURVEY BY: R. Baerg DATE: Nov/91
N.T.S. 104G2	DRAWN BY: R. Baerg SCALE: 1:50,000
DWG. No. 2	NORANDA EXPLORATION
	OFFICE: Prince George BC

7.0 Regional Geology:

The property is located in a geologically diverse area. The oldest rocks mapped in the area are the Paleozoic, (Devonian to Permian aged), Stikine Assemblage. These rocks form a broad northerly trending belt west of the Forrest Kerr Fault with local small inliers east of the fault. The "Assemblage" consists of Devonian intermediate to felsic metavolcanics overlain to the south by metasedimentary rocks. The stratigraphy has undergone two phases of penetrative deformation. Upper Triassic Stuhini Group rocks lie between the West Slope and Forrest Kerr Faults south of Forrest Kerr Creek and east of the Forrest Kerr Fault. A generalized stratigraphy consists of a lowermost metasedimentary sequence, a medial metavolcanic sequence and an overlying tuffaceous metasedimentary sequence. Contacts between units are faulted or poorly exposed and stratigraphic relationships are poorly understood.

Jurassic rocks are comprised of a lower shale/siltstone unit with local Upper Middle Jurassic Mt. Dilworth equivalent felsic volcanics, overlain by basalt flows and breccias, a tuff and wacke unit which are in turn conformably overlain by the Bowser Lake Group sediments.

Intrusive rocks in the area range in age from Permian to Tertiary, in composition from diorite to granite and in size from narrow dykes and sills to kilometre scale plutons. Intrusive activity appears to be concentrated in a 10 km wide north trending belt with the bulk of the intrusive activity being Jurassic in age.

The area has a strong structural fabric comprised of steeply dipping northeast and northwest faults with left and right lateral displacement. A large number of the faults formed during the Jurassic and several of them remained active into the Miocene. (Logan et al, 1990)

.0 1991 Field Program

During June to August 1991 field programs consisting of :econnaissance geological mapping, prospecting, soil, rock and silt :mpling were completed on the Gold claims.

8.0 Property Geology:

According to mapping by Souther (1971) and reconnaissance pping by Noranda field crews approximately the northwestern 75% the property is underlain by a large Jurassic leucocratic anite pluton. The remaining southeastern 25% is underlain by :k green-grey foliated andesitic tuffs and argillites of eozoic age. (Fig. 4)

Within the pluton at least one large pendant of green esitic flows and tuffs has been located. The pendant is erately to strongly chlorite - epidote altered, primary bedding locally observed and there was a general lack of penetrative ric. This evidence seems to indicate that the pendant is ozoic in age. As well local, 1 - 5 m wide , dark green diabase es ·ut the granite, generally in a NE direction.

The pluton has ubiquitous Fe - carbonate +/- hematite :ration ranging from weak to locally intense along narrow shear :s. Hematite occurs throughout as fracture coatings and local ontinuous, poddy quartz - hematite breccia zones.

8.2 Mineralization:

Mineralization observed consists of: 1) trace disseminated :e in the granite and Paleozoic rocks; 2) hematite in the :te; 3) trace chalcopyrite in local sheared diabase dykes; 4) quartz - chalcopyrite stringers within the roof pendant and cal pods of epidote-magnetite skarn. All mineralization types liscontinuous and erratic in distribution and orientation. the quartz - chalcopyrite stringers have returned appreciable values to date, up to 4140 ppb (1990 sample) in a grab sample.

8.3 Geochemistry:

A total of three (3) recon traverses and 11km of grid lines were completed on the property. Soil and/or silt samples were collected at 100 m intervals along the traverses and at 25m intervals on the grid lines. Silt samples were also collected along previously unsampled drainages. Where soil samples were collected a grubhoe was used to dig down to the "B" horizon, usually 25 to 35 cm. In alpine areas the soil horizons were not often that well developed and the sample material often consisted of talus fines. The sample material was placed in Wet- strength Kraft paper bags, air dried and then shipped to Noranda Labs in Vancouver. The samples were analysed for Au plus 30 element ICP. For the analytical procedure refer to Appendix III.

A total of 470 soils, 30 silts and 14 rocks samples were collected over the Gold claim group. Ubiquitous low elemental values were found over the grid and recon areas. As a result no anomalous areas have been identified.

9.0 Conclusions:

The Gold property is underlain by Jurassic intrusives and Paleozoic metasediments and metavolcanics. The 1991 geological and geochemical results failed to enhance the anomalous values found during 1990. As a result no further exploration work is warranted.

10.0 Recommendations:

Due to a lack of significant results, no further work is recommended on the Gold property.

11.0 Bibliography:

Read, P.B. et al : G.S.C. Open File 2094 - Geology, More and Forrest Kerr Creeks. 1989.

Souther, J.G. : G.S.C. Paper 71-44 Telegraph Creek Map Area B.C., 1972.

Logan, J.M., Koyanagi, V.M., Drobe, J.R. (1990) : Geology of the Forrest Kerr Creek Area, NW B.C.; BCMEMPR, Geological Field Work 1989, Paper 1990-1, pages 127-139.

APPENDIX I

SUMMARY COST STATEMENT
(Gold 1 - 4 Claims)

Project: SM - Gold
Type of Report: Geological, Geochemical
Date: December 13, 1991

1)	Geology:		
	18 days @ $175.00/day		$ 3,150.00
2)	Geochemistry:		
	Silt Samples	30 @ $ 12.00/sample	$ 360.00
	Soil "	470 @ $ 12.00/sample	$ 5,640.00
	Rock "	14 @ $ 12.00/sample	$ 168.00
3)	Transportation:		
	Helicopter		$ 3,966.96
	Truck Rental/Gas		$ 1,000.00
4)	Supplies/Lodging:		
	18 days @ 100.00/day		$ 1,800.00
5)	Report:		
	Drafting		$ 250.00
	Writing		$ 400.00
		Project Work Total	$ 16,734.96

APPENDIX II

STATEMENT OF QUALIFICATIONS

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I, Robert J. Baerg of the city of Prince George, Province of British Columbia, do certify that:

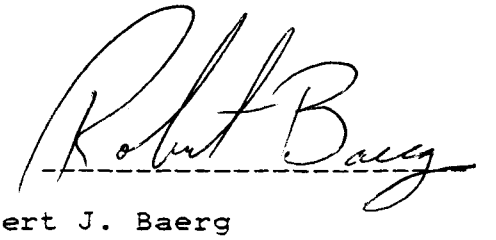
1. I have been employed as a geologist by Noranda Exploration Company, Limited since May, 1984.

2. I am a graduate of the University of British Columbia with a Bachelor of Science (Honors) in Geology (1984).

3. I am an Associate Fellow of the Geological Association of Canada.

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

5. I supervised and assisted with the work described in this report.



Robert J. Baerg
Geologist
Noranda Exploration Company, Limited
(No Personal Liability)

STATEMENT OF QUALIFICATIONS

I. Trevor G. East, of the city of Vancouver, Province of British Columbia, do certify that:

1. I have been employed as a contract geologist by Noranda Exploration Company, Limited (no personal liability) since May, 1991.

2. I am a graduate of the University of British Columbia with a Bachelor of Science in Geology (1991).

3. I have worked in the field of mineral exploration since 1982.

4. The work outlined in the report was, in part, performed by myself during the 1991 field season.

5. I have no direct or indirect interest in the property, nor do I expect to receive any.

_____

Trevor G. East
Geologist

APPENDIX III

ANALYTICAL PROCEDURE

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Soils, Silts, Rocks

The samples are dried and screened to -80 mesh. Rock samples are pulverized to -120 mesh. A 0.2 gram sample is digested with 3 ml of $HClO_4/HNO_3$ (4 to 1 ratio) at 203° C for four hours, and diluted to 11 ml with water. A Leeman PS 3000 is used to determine elemental contents by I.C.P. Note that the major oxide elements and Ba, Be, Ce, Ga, La and Li are rarely dissolved completely from geological materials with this acid dissolution method.

For Au analyses, a 10.0 gram sample of -80 mesh material is digested with aqua regia and determination made by A.A.

Heavy Mineral Concentrates

The entire concentrate is digested in aqua regia solution, and elemental concentrations of Au, Ag, Cu, Pb, and Zn are determined by A.A.

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APPENDIX IV

ANALYTICAL RESULTS

File

NORANDA VANCOUVER LABORATORY

Geochemical Analysis

Project Name & No.: GOLD – 229 **Geol.:** R.B. **Date received:** JUL. 29 **LAB CODE:** 9108–002
Material: 178 SOILS & 22 SILTS **Sheet:** 1 of 5 **Date completed:** AUG. 22
Remarks: • Sample screened @ –35 MESH (0.5 mm)
¤ Organic, Δ Humus, S Sulfide Au – 10.0 g sample digested with aqua–regia and determined by A.A. (D.L. 5 PPB)
ICP – 0.2 g sample digested with 3 ml $HClO_4/HNO_3$ (4:1) at 203 °C for 4 hours diluted to 11 ml with water. Leeman PS3000 ICP determined elemental contents.
N.B. The major oxide elements and Ba, Be, Ce, La, Li, Ga are rarely dissolved completely from geological materials with this acid dissolution method.

T.T. No.	SAMPLE No.		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
2	10800E–9000N	•	5	0.2	4.52	23	1505	0.9	5	0.28	0.2	22	20	15	39	4.78	1.21	13	16	0.83	1938	2	0.10	18	0.19	2	66	0.09	143	88
3	9025		5	0.2	3.26	13	467	0.6	5	0.17	0.2	22	6	28	30	5.80	0.71	16	8	0.25	234	2	0.07	8	0.37	2	57	0.35	189	56
4	9050	•	5	0.2	3.56	7	641	0.6	5	0.10	0.2	24	6	24	24	4.08	0.95	16	10	0.25	205	3	0.08	9	0.28	2	60	0.33	181	63
5	9075	•	5	0.2	3.23	8	493	0.5	5	0.14	0.2	26	7	27	33	3.94	0.78	15	8	0.24	247	3	0.05	9	0.23	2	58	0.39	149	66
6	10800E–9100N		5	0.2	3.74	43	1161	0.6	5	0.13	0.2	29	8	30	35	4.70	0.94	17	12	0.29	252	3	0.10	20	0.21	3	101	0.26	207	53
7	10800E–9125N		5	0.2	3.45	6	441	0.5	5	0.33	0.2	26	9	49	32	4.51	0.75	14	11	0.71	273	2	0.07	19	0.22	2	75	0.32	183	53
8	9150		5	0.6	4.27	14	674	0.6	5	0.15	0.2	27	8	24	42	4.56	0.84	14	14	0.44	186	2	0.08	12	0.17	2	66	0.14	148	50
9	9175		5	0.4	2.87	18	602	0.4	5	0.15	0.2	26	6	21	33	3.83	0.62	12	9	0.23	187	2	0.05	11	0.16	3	61	0.20	146	52
10	9200		5	0.6	4.81	9	702	0.7	5	0.07	0.2	28	10	26	40	4.91	1.19	15	15	0.76	295	3	0.08	15	0.16	2	60	0.12	163	52
11	10800E–9225N		5	0.2	3.99	9	425	0.5	5	0.27	0.2	21	11	55	37	7.18	0.48	13	13	0.91	447	2	0.07	23	0.13	2	61	0.33	195	63
12	10800E–9250N		5	0.4	4.56	14	666	0.6	5	0.22	0.2	26	11	33	57	5.12	0.79	12	18	0.69	590	2	0.05	19	0.18	2	61	0.12	123	100
13	9275		5	0.6	4.49	3	300	0.6	5	0.34	0.2	22	13	72	53	7.77	0.47	12	10	0.59	1044	1	0.04	20	0.22	2	37	0.30	247	63
14	9300		5	0.8	6.03	9	503	0.7	5	0.10	0.3	26	19	38	58	5.15	1.08	16	22	1.17	1039	2	0.05	26	0.10	8	50	0.12	139	137
15	9325		5	0.4	4.52	20	1070	0.6	5	0.09	0.2	33	7	23	35	3.47	1.30	18	14	0.36	149	3	0.07	10	0.09	2	118	0.24	193	61
16	10800E–9350N		5	0.8	4.09	19	535	0.6	5	0.09	0.2	21	7	26	38	5.76	0.57	14	14	0.43	574	3	0.06	11	0.20	2	51	0.15	135	63
17	10800E–9375N		5	0.6	5.59	13	690	0.9	5	0.14	0.2	33	17	31	56	4.82	1.39	19	20	1.27	753	2	0.05	30	0.09	5	62	0.13	146	119
18	9400		5	0.6	5.18	7	607	1.0	5	0.11	0.2	37	11	9	49	3.65	1.76	17	10	0.73	624	2	0.05	10	0.07	2	31	0.09	80	55
19	9425		5	0.4	7.96	2	839	1.7	5	0.24	0.2	79	7	2	11	2.40	3.20	32	8	0.53	457	1	0.17	3	0.09	6	56	0.04	54	47
20	9450		5	0.2	5.86	10	727	1.1	5	2.85	0.2	43	39	70	48	6.18	1.66	16	32	1.62	1321	1	0.06	91	0.12	2	228	0.13	223	95
21	10800E–9475N		5	0.2	4.84	11	613	0.8	5	0.31	0.2	28	19	71	56	6.42	1.16	14	20	1.45	707	1	0.06	44	0.11	2	52	0.08	168	73
22	10800E–9500N		5	0.2	4.26	44	1569	0.6	5	0.11	0.2	34	8	17	38	6.33	0.63	17	15	0.26	289	2	0.13	18	0.24	2	151	0.16	178	61
23	9525		5	0.4	3.42	25	774	0.6	5	0.08	0.2	28	6	27	25	8.39	0.41	17	12	0.17	185	3	0.08	7	0.38	3	76	0.37	164	55
24	9550	•	5	0.4	3.85	32	999	0.7	5	0.22	0.2	24	13	64	47	6.10	0.54	16	15	0.72	911	1	0.10	30	0.16	2	87	0.13	164	67
25	9575		5	0.2	4.18	4	312	0.7	5	0.25	0.2	28	11	92	39	6.87	0.32	17	19	0.75	538	1	0.05	19	0.15	2	37	0.16	169	58
26	10800E–9600N		5	0.4	2.11	6	142	0.3	5	0.31	0.2	24	8	147	47	5.75	0.23	13	7	0.61	215	2	0.05	26	0.16	4	31	0.35	244	51
27	10800E–9625N		5	0.6	1.49	7	99	0.3	5	0.23	0.3	19	8	198	54	6.13	0.20	11	7	0.69	297	1	0.03	22	0.23	2	18	0.34	264	52
28	9675		5	0.2	1.61	7	115	0.3	5	0.20	0.2	22	8	126	40	3.70	0.19	11	7	0.58	229	2	0.06	24	0.17	4	19	0.22	140	47
29	9700		5	0.2	3.23	13	103	0.6	5	0.11	0.4	25	21	159	69	5.79	0.25	14	16	2.07	1376	1	0.03	43	0.18	2	10	0.13	171	68
30	9725	•	5	0.2	1.80	20	179	0.4	5	0.21	0.2	25	5	59	48	2.87	0.47	10	7	0.75	212	2	0.01	14	0.13	5	13	0.06	88	63
31	10800E–9750N		5	0.2	1.87	7	207	0.3	5	0.09	0.2	19	4	16	38	4.34	0.25	11	3	0.20	254	2	0.02	10	0.26	2	20	0.17	110	43
32	10800E–9775N		5	0.4	2.48	2	251	0.5	5	0.17	0.2	25	5	18	40	3.84	0.28	12	5	0.24	481	1	0.06	6	0.24	2	28	0.17	98	52
33	9800		5	0.4	3.06	11	568	0.9	5	0.34	0.4	22	25	15	35	7.98	0.32	12	10	0.36	3879	3	0.05	6	0.39	2	34	0.12	128	83
34	9825		5	0.2	3.22	2	216	0.7	5	0.08	0.2	30	3	15	21	6.05	0.27	24	12	0.28	359	3	0.08	4	0.17	2	24	0.14	85	60
35	9850		5	0.6	2.90	2	304	0.7	5	0.11	0.2	26	5	17	21	6.43	0.35	21	14	0.39	496	2	0.08	7	0.22	2	28	0.15	94	75
36	10800E–9875N		5	0.2	4.20	2	287	0.4	5	0.10	0.2	24	6	19	21	4.43	0.32	17	14	0.36	351	1	0.04	5	0.11	2	54	0.23	192	52

29 Aug RC SP

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
37	10800E-9900N	5	0.6	4.52	11	312	0.9	5	0.08	0.2	24	11	14	50	7.96	0.42	18	28	0.31	673	2	0.02	8	0.19	2	86	0.08	84	65
38	9925	5	0.2	5.76	2	615	0.9	5	0.34	0.2	42	23	22	50	6.94	0.98	26	31	1.23	2520	1	0.03	17	0.26	2	91	0.13	108	97
39	10800E-9950N	5	0.2	1.37	2	243	0.4	5	0.46	0.2	32	4	11	43	1.99	0.27	15	3	0.14	361	2	0.03	7	0.22	4	50	0.15	53	58
40	18000E-18800N	5	0.2	3.51	7	464	0.4	5	0.15	0.2	12	6	23	45	5.59	0.59	12	9	0.56	354	1	0.03	11	0.13	8	28	0.11	121	81
41	18000E-18850N	5	0.6	3.47	36	486	0.4	5	0.16	0.2	16	8	22	43	6.18	0.58	13	12	0.43	579	1	0.04	9	0.22	20	37	0.14	135	79
42	18000E-18875N	5	0.4	3.41	21	1020	0.5	5	0.20	0.2	29	8	20	20	3.99	0.63	18	8	0.21	1324	3	0.05	15	0.15	2	54	0.19	145	60
43	18900	5	0.4	3.25	2	683	0.5	5	0.28	0.2	26	6	19	23	3.11	0.67	15	9	0.33	873	1	0.09	5	0.16	2	39	0.20	101	52
44	18925	5	0.2	3.23	4	773	0.5	5	0.22	0.2	27	6	20	18	3.18	0.52	15	8	0.28	1378	1	0.10	7	0.14	5	43	0.23	119	55
45	18950	5	1.2	3.67	11	598	0.4	5	0.14	0.2	14	6	23	30	6.51	0.48	12	12	0.38	417	1	0.03	9	0.16	3	61	0.22	171	62
46	18000E-19000N	5	0.2	2.32	7	416	0.3	5	0.16	0.2	19	4	17	20	2.92	0.40	11	8	0.26	190	2	0.10	7	0.11	3	39	0.16	87	56
47	18000E-19025N	5	0.4	4.66	8	554	0.8	5	0.16	0.2	29	11	20	43	4.99	0.77	19	18	0.62	855	1	0.05	13	0.19	7	44	0.16	132	94
48	19050	5	0.8	4.57	7	571	0.9	5	0.38	0.4	44	13	26	71	5.02	0.66	26	22	0.38	530	2	0.05	17	0.21	6	48	0.26	131	106
49	19075	5	0.2	5.39	2	768	0.8	5	0.77	0.2	48	9	42	42	4.85	1.92	25	13	0.41	281	2	0.09	24	0.14	2	63	0.20	195	66
51	19100	5	1.0	5.81	2	515	1.7	5	1.18	0.6	66	17	20	61	3.55	0.53	34	24	0.37	2515	1	0.06	27	0.22	2	85	0.12	86	223
52	18000E-19125N	5	0.4	4.36	2	624	0.6	5	0.09	0.2	20	7	21	50	6.84	0.95	17	11	0.71	417	1	0.03	11	0.18	2	27	0.11	146	65
53	18000E-19150N	5	0.4	3.87	2	281	0.4	5	0.21	0.2	33	3	27	19	2.95	0.42	17	8	0.28	150	1	0.05	4	0.07	3	43	0.22	160	34
54	19175	5	0.4	4.19	4	267	0.5	5	0.20	0.2	19	5	26	37	7.91	0.49	16	11	0.48	304	1	0.04	8	0.09	10	39	0.20	159	75
55	19200	5	0.4	4.61	2	1058	0.7	5	0.18	0.2	40	5	14	29	3.23	1.51	21	14	0.35	212	2	0.04	8	0.11	3	61	0.22	183	51
56	19225	5	0.2	4.00	17	426	0.5	5	0.20	0.2	38	6	29	53	5.97	0.89	19	16	0.36	282	3	0.04	9	0.13	6	58	0.31	212	68
57	18000E-19250N	5	0.4	4.25	4	195	0.7	5	0.19	0.2	36	6	24	36	7.47	0.32	18	18	0.80	479	3	0.05	11	0.11	9	28	0.13	123	79
58	18000E-19275N	5	0.6	3.98	10	254	0.6	5	0.36	0.2	27	6	25	38	7.28	0.40	15	15	0.50	328	2	0.04	10	0.14	8	45	0.17	169	63
59	19300	5	0.2	3.47	9	209	0.6	5	0.35	0.2	38	6	18	49	5.74	0.33	17	15	0.45	483	3	0.04	6	0.11	6	35	0.16	109	56
60	19325	5	0.2	1.29	8	131	0.3	5	0.25	0.2	26	5	15	26	3.93	0.30	12	5	0.12	610	5	0.02	7	0.16	5	19	0.24	103	53
61	19350	5	0.2	3.55	8	289	0.5	5	0.16	0.2	34	15	22	55	6.02	0.62	20	20	0.30	2029	5	0.05	6	0.47	5	30	0.13	106	78
62	18000E-19375N	5	0.2	3.12	6	231	0.5	5	0.15	0.2	24	5	24	33	6.05	0.25	14	8	0.25	305	3	0.04	7	0.13	7	27	0.15	108	55
63	18200E-18800N	5	1.4	3.45	9	378	0.4	5	0.19	0.2	23	5	27	28	3.93	0.44	14	8	0.35	185	3	0.05	8	0.10	7	39	0.27	154	62
64	18825 •	5	1.0	3.03	20	444	0.4	5	0.12	0.2	22	4	20	33	3.30	0.40	13	9	0.29	162	5	0.05	6	0.21	5	21	0.13	126	71
65	18850	140	0.2	4.02	6	499	0.5	5	0.15	0.2	30	6	24	42	3.41	0.93	17	10	0.30	202	2	0.06	9	0.16	7	46	0.29	166	59
66	18875	5	0.4	2.95	5	596	0.5	5	0.20	0.2	31	6	23	35	2.94	0.74	17	6	0.30	214	3	0.05	9	0.19	5	39	0.22	119	67
67	18200E-18900N	5	0.8	3.07	24	335	0.5	5	0.23	0.2	29	7	22	36	5.91	0.32	17	12	0.44	787	4	0.07	7	0.20	11	38	0.21	146	74
68	18200E-18925N	5	0.6	2.52	23	584	0.5	5	0.31	0.2	44	5	18	36	3.93	0.62	21	10	0.20	395	4	0.09	11	0.16	7	81	0.15	83	67
69	18950	5	1.2	4.13	18	706	0.7	5	0.20	0.2	36	9	29	51	5.28	0.76	19	12	0.42	561	4	0.06	16	0.31	3	43	0.25	144	106
70	18975 •	5	0.6	2.14	2	248	0.3	5	0.23	0.2	30	3	40	12	1.35	0.30	12	6	0.16	178	2	0.06	3	0.04	5	38	0.17	72	57
71	19000	5	0.4	3.73	8	938	0.5	5	0.13	0.2	30	5	16	22	3.16	0.76	16	14	0.29	290	2	0.06	8	0.15	2	37	0.12	141	92
72	18200E-19025N	15	0.4	2.80	2	381	0.3	5	0.18	0.2	30	3	32	18	1.89	0.39	14	9	0.18	136	2	0.06	4	0.07	2	56	0.26	111	51
73	18200E-19050N	5	1.4	3.76	9	380	0.4	5	0.14	0.2	26	5	22	38	4.01	0.56	14	7	0.37	195	1	0.04	8	0.16	5	38	0.23	136	67
74	19075	5	1.0	2.90	27	341	0.3	5	0.18	0.2	18	5	20	29	5.78	0.31	10	7	0.36	279	2	0.05	7	0.12	7	39	0.16	123	69
75	19100	5	0.8	2.96	18	1322	0.7	5	0.45	0.2	22	10	12	63	3.25	0.76	13	17	0.62	543	3	0.03	19	0.08	6	54	0.06	121	99
76	19125	5	0.2	3.63	18	812	0.6	5	0.71	0.2	37	6	22	50	3.47	0.65	18	12	0.37	456	5	0.07	10	0.06	7	77	0.25	170	71
77	18200E-19150N	5	0.2	3.51	7	281	0.4	5	0.26	0.2	25	6	29	29	4.23	0.39	14	8	0.42	269	2	0.05	8	0.07	7	45	0.22	163	66
78	18200E-19175N	5	0.4	3.76	11	867	0.5	5	0.17	0.2	27	6	25	27	4.69	0.51	15	8	0.40	438	2	0.05	9	0.11	6	60	0.26	182	65
79	19200	5	0.4	3.54	19	351	0.5	5	0.18	0.2	23	6	28	24	4.70	0.47	14	8	0.34	708	3	0.06	9	0.15	6	39	0.22	166	59
80	19225 •	10	0.2	1.56	10	447	0.9	5	3.51	1.1	49	8	10	36	1.07	0.14	13	9	0.42	1835	4	0.03	17	0.11	2	170	0.04	30	140
81	19250 •	5	0.4	1.71	22	1343	0.8	5	2.23	0.6	45	12	12	27	6.49	0.21	13	16	0.43	13000	8	0.04	13	0.21	2	162	0.06	59	164
82	18200E-19275N	5	0.2	4.29	6	454	0.5	5	0.19	0.2	46	7	27	26	3.82	1.18	20	8	0.29	331	2	0.05	9	0.09	2	47	0.25	170	48

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
83	18200E-19300N	5	0.2	3.57	2	350	0.6	5	0.25	0.2	40	7	21	25	4.22	0.79	16	7	0.30	1329	3	0.10	6	0.21	3	34	0.22	123	55
84	19325	5	0.4	2.65	9	202	0.4	5	0.21	0.2	29	5	29	33	5.74	0.46	19	8	0.32	372	3	0.06	11	0.13	5	32	0.24	159	59
85	19350	5	0.2	3.61	16	324	0.6	5	0.33	0.2	24	8	21	37	5.88	0.68	13	16	0.47	882	1	0.05	10	0.22	3	49	0.16	150	81
86	19375	5	0.6	2.76	8	229	0.4	5	0.25	0.2	32	6	19	30	3.80	0.51	15	9	0.25	433	2	0.05	6	0.21	6	35	0.20	143	56
87	18200E-19400N	5	0.8	3.93	22	365	1.1	5	0.19	0.5	45	19	14	68	5.16	0.75	23	17	0.51	1972	2	0.04	15	0.20	10	32	0.13	116	88
88	18200E-19425N	5	0.4	3.54	8	259	0.6	5	0.43	0.2	36	6	23	38	4.77	0.56	17	10	0.34	426	2	0.05	6	0.23	4	43	0.22	174	56
89	19450	5	0.4	2.64	6	178	0.4	5	0.22	0.2	37	3	25	19	3.59	0.34	19	7	0.22	293	2	0.07	5	0.12	4	38	0.24	137	52
90	19475	5	0.4	3.33	14	366	0.5	5	0.19	0.2	35	6	22	31	4.52	0.63	18	13	0.28	453	2	0.05	7	0.18	4	45	0.26	151	68
91	19500	5	0.4	4.79	28	495	0.6	5	0.18	0.2	35	7	18	46	4.80	0.89	17	23	0.26	431	1	0.05	11	0.19	2	120	0.15	150	59
92	18200E-19525N	5	0.8	4.13	74	527	0.8	5	0.23	0.2	34	14	22	65	6.89	0.63	20	14	0.37	1910	8	0.05	22	0.27	3	60	0.13	169	87
93	18200E-19550N	5	0.4	4.36	226	297	0.9	5	0.58	0.2	38	15	10	190	9.06	0.50	18	15	0.33	3012	5	0.05	6	0.24	2	70	0.11	204	67
94	18200E-19575N	5	0.6	4.16	18	840	1.2	5	0.26	0.2	45	19	9	35	6.16	0.91	24	14	0.59	4805	4	0.06	12	0.22	5	25	0.15	85	77
95	18400E-18800N	5	1.2	3.05	3	125	0.4	5	0.12	0.2	20	4	19	30	4.03	0.23	11	8	0.23	263	2	0.10	5	0.11	6	21	0.28	150	42
96	18825	5	0.2	3.97	2	267	0.4	5	0.13	0.2	21	6	29	27	5.94	0.58	15	9	0.48	241	2	0.04	10	0.10	6	29	0.27	208	55
97	18400E-18850N •	5	1.8	6.06	2	383	1.7	5	0.21	0.5	75	37	35	66	5.38	0.55	36	24	0.62	2520	4	0.06	29	0.35	6	23	0.25	119	126
98	18400E-18875N	5	0.2	5.44	2	325	0.7	5	0.16	0.2	30	15	22	63	5.60	0.55	16	20	0.77	891	2	0.06	18	0.10	5	25	0.15	153	85
99	18900	5	0.8	3.98	16	444	1.5	5	0.33	0.4	50	36	25	45	6.83	0.49	25	17	0.59	5118	7	0.07	17	0.28	6	31	0.14	115	104
101	18925 •	5	0.6	3.89	19	434	1.0	5	0.48	0.3	49	13	29	31	4.22	0.61	26	27	0.75	420	3	0.04	18	0.15	5	53	0.15	116	99
102	18950	5	0.2	3.36	25	318	0.5	5	0.25	0.2	30	8	19	39	4.31	0.37	12	23	0.54	385	3	0.03	10	0.09	2	71	0.14	128	63
103	18400E-18975N	5	0.2	3.85	3	185	0.3	5	0.19	0.2	17	5	23	38	7.33	0.29	10	6	0.31	199	1	0.04	5	0.07	3	39	0.24	268	51
104	18400E-19000N	5	0.2	2.62	2	318	0.4	5	0.33	0.2	21	3	14	30	2.65	0.44	12	6	0.26	782	1	0.05	3	0.26	2	32	0.13	100	49
105	19025	5	0.2	4.51	4	414	0.6	5	0.13	0.2	17	8	17	33	7.00	0.71	15	8	0.41	754	2	0.05	7	0.14	2	58	0.19	182	56
106	19050	5	0.4	3.94	2	380	0.4	5	0.17	0.2	22	6	19	23	3.84	0.89	14	8	0.50	402	1	0.06	8	0.09	3	39	0.19	154	45
107	19075	5	0.4	3.03	2	243	0.4	5	0.27	0.2	25	5	22	28	3.60	0.43	14	7	0.35	283	1	0.08	5	0.08	5	36	0.27	166	44
108	18400E-19100N	5	0.4	4.05	3	333	0.5	5	0.13	0.2	15	7	24	49	6.62	0.56	14	13	0.73	326	2	0.04	12	0.11	5	24	0.15	152	76
109	18400E-19125N •	5	0.6	1.77	2	246	0.3	5	0.30	0.2	23	4	18	29	1.99	0.56	10	4	0.23	220	1	0.07	7	0.17	3	25	0.13	56	50
110	19150	5	0.4	3.69	4	374	0.4	5	0.24	0.2	18	8	28	40	5.20	0.81	11	12	0.69	290	1	0.05	18	0.38	6	27	0.14	140	77
111	19175	5	0.8	4.14	2	247	0.4	5	0.24	0.2	18	9	42	84	6.12	1.03	11	13	0.72	640	1	0.03	18	0.32	2	21	0.16	134	68
112	19200	5	0.4	3.05	7	345	0.4	5	0.39	0.2	25	7	30	64	5.61	0.55	11	9	0.65	521	1	0.04	13	0.15	2	39	0.17	142	71
113	18400E-19225N	5	0.2	3.45	2	358	0.4	5	0.34	0.2	34	7	28	26	4.38	0.47	14	8	0.49	888	1	0.07	8	0.12	4	49	0.25	162	73
114	18400E-19250N	5	0.2	2.77	2	246	0.4	5	0.36	0.2	26	4	24	34	2.49	0.36	12	4	0.21	1029	2	0.10	4	0.38	5	50	0.23	82	50
115	19275	5	0.2	3.95	4	455	0.5	5	0.16	0.2	32	7	20	40	4.10	1.07	20	11	0.36	333	4	0.04	9	0.19	4	46	0.25	175	69
116	19300	5	0.6	3.27	2	252	0.6	5	0.13	0.4	32	5	20	65	2.98	0.50	21	7	0.31	239	2	0.03	9	0.29	2	20	0.13	75	42
117	19325	5	0.2	3.18	11	402	0.6	5	0.24	0.2	31	7	24	29	5.64	0.53	18	9	0.42	549	2	0.06	9	0.15	8	32	0.27	148	62
118	18400E-19350N	5	0.6	2.55	4	224	0.4	5	0.17	0.2	23	5	26	26	5.45	0.45	13	6	0.34	659	2	0.05	9	0.21	8	30	0.22	139	58
119	18400E-19375N	5	0.8	2.80	10	315	0.4	5	0.20	0.2	30	6	30	99	3.36	0.72	15	5	0.20	217	2	0.04	8	0.14	11	40	0.31	143	57
120	20025	5	0.4	1.00	6	129	0.2	5	0.40	0.2	25	3	13	23	1.26	0.21	9	7	0.08	90	5	0.03	4	0.06	3	39	0.11	56	52
121	20050	5	0.2	3.24	3	403	2.6	5	2.18	1.3	81	16	19	101	2.76	0.20	65	12	0.35	5397	4	0.06	14	0.47	4	104	0.12	56	225
122	20075	5	0.2	2.87	12	128	0.6	5	0.31	0.2	23	6	32	30	5.91	0.18	17	8	0.44	394	2	0.06	6	0.18	2	49	0.19	165	81
123	18400E-20100N	5	0.2	2.94	16	135	0.6	5	0.35	0.2	31	7	27	20	6.45	0.23	19	11	0.44	652	2	0.07	5	0.17	2	55	0.25	153	68
124	18400E-20125N	5	0.2	2.58	6	122	0.5	5	0.45	0.2	19	10	34	60	8.25	0.36	16	7	0.33	1454	6	0.04	4	0.31	2	47	0.23	213	84
125	20150	5	0.2	2.78	16	590	0.9	5	0.85	0.2	47	14	20	49	6.66	0.37	23	18	0.34	3804	2	0.05	5	0.37	2	79	0.16	119	102
126	20175	5	0.2	2.20	9	475	0.7	5	0.77	0.4	42	13	22	33	4.62	0.33	19	11	0.27	4461	4	0.12	7	0.24	4	61	0.20	102	66
127	18400E-20200N •¤	5	0.2	0.60	6	413	0.2	5	0.84	0.2	29	3	7	16	1.34	0.12	8	5	0.11	157	2	0.02	3	0.14	3	42	0.06	26	35
128	18600E-19500N •	5	0.6	2.61	6	472	0.4	5	0.15	0.2	25	5	20	18	2.06	0.59	12	5	0.18	234	3	0.06	7	0.12	5	32	0.21	100	57

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
177	179593 •	5	0.4	6.07	2	313	0.5	5	0.05	0.2	22	8	52	39	6.71	1.33	11	17	0.65	611	1	0.13	15	0.13	6	17	0.14	336	68
178	179594 •	5	1.0	3.54	8	240	0.4	5	0.18	0.3	38	8	24	35	4.47	0.55	15	15	0.38	430	5	0.05	9	0.13	7	36	0.16	168	76
179	179595	5	0.2	3.19	5	154	0.3	6	0.11	0.2	31	5	20	25	5.44	0.29	14	8	0.19	141	2	0.04	6	0.18	6	27	0.17	176	58
180	179596	5	0.8	4.45	13	445	0.5	5	0.15	0.2	48	7	21	27	4.78	0.93	19	13	0.37	205	3	0.05	9	0.06	6	31	0.12	128	63
181	179597	5	0.4	3.12	2	291	0.3	5	0.39	0.2	26	4	21	35	4.55	0.38	10	5	0.27	295	1	0.03	10	0.12	3	41	0.17	164	73
182	179598 •¤	5	0.2	0.23	2	127	0.2	5	0.35	0.3	6	1	3	11	0.22	0.05	2	1	0.05	29	1	0.02	4	0.06	2	26	0.02	8	113
183	179599 •¤	5	1.2	1.16	2	242	0.4	5	0.73	1.2	19	5	12	23	1.77	0.12	9	3	0.09	450	2	0.05	4	0.20	7	42	0.08	34	54
184	179600	5	1.0	4.24	2	287	0.5	5	0.14	0.2	12	6	32	46	6.14	0.46	13	13	0.36	480	2	0.03	14	0.15	15	34	0.16	138	97
185	SILT 125426 •	5	0.2	4.95	13	1191	1.1	5	0.37	0.2	38	17	17	40	5.07	1.35	20	21	1.05	959	2	0.10	30	0.11	2	67	0.09	136	103
186	SILT 125427	5	0.2	5.05	14	538	1.1	5	0.56	0.3	39	21	28	45	5.85	1.22	19	25	1.37	1597	3	0.08	32	0.13	2	55	0.12	170	116
187	SILT 125428 •	5	0.2	4.51	24	645	1.0	5	0.43	0.3	39	18	22	33	5.50	1.25	18	20	1.18	2447	3	0.07	27	0.11	4	49	0.08	143	119
188	125429 •	5	0.2	4.60	22	770	1.1	6	0.37	0.3	45	21	26	33	5.48	1.25	19	23	1.16	1694	3	0.08	30	0.11	2	51	0.08	144	111
189	125430 •	5	0.2	4.30	23	706	1.0	8	0.45	0.3	49	18	26	37	5.13	1.17	19	21	1.07	1694	3	0.07	27	0.11	5	53	0.09	139	124
190	125431 •	5	0.2	4.24	26	627	1.0	7	0.52	0.4	50	19	28	40	5.23	1.10	19	21	1.06	1645	4	0.07	27	0.12	6	63	0.10	139	128
191	SILT 125432 •	5	0.2	4.03	17	602	1.0	5	0.43	0.2	46	17	21	38	4.94	1.04	18	19	0.96	1308	2	0.07	25	0.11	3	76	0.11	132	120
192	SILT 125433 •¤	5	0.2	4.12	7	529	0.9	5	0.30	0.3	40	15	18	27	4.53	1.11	15	20	1.07	847	2	0.06	23	0.10	3	43	0.09	124	101
193	125434	5	0.2	4.15	20	455	1.0	5	0.57	0.3	52	13	23	43	4.61	0.96	20	20	0.94	505	2	0.06	22	0.13	8	57	0.12	125	126
194	125435 •	5	0.2	4.07	7	464	0.9	5	0.33	0.2	32	13	18	24	4.33	1.11	15	20	1.09	663	2	0.06	22	0.10	5	38	0.09	125	106
195	125436	5	0.2	4.07	18	562	1.0	5	0.57	0.2	44	15	24	36	4.70	1.01	19	21	0.96	1243	2	0.07	23	0.12	6	64	0.13	134	123
196	SILT 125437 •	5	0.2	3.76	9	444	0.9	5	0.40	0.3	37	14	17	23	4.32	0.99	15	19	1.10	888	2	0.06	22	0.09	5	64	0.09	120	111
197	SILT 125438 •	5	0.4	3.80	22	506	1.0	5	0.61	0.3	43	17	25	35	4.67	0.96	19	20	0.95	1430	3	0.07	24	0.12	4	57	0.10	122	145
198	125439 •	5	0.2	3.40	19	408	0.9	5	0.57	0.4	39	14	22	29	4.00	0.86	16	18	0.95	1064	2	0.05	21	0.10	3	44	0.08	110	110
199	125440	5	0.2	3.81	15	483	0.9	5	0.54	0.4	43	15	26	34	4.29	0.96	19	20	0.95	1190	2	0.06	23	0.12	2	59	0.10	124	120
201	125441	5	0.2	4.02	18	473	0.9	5	0.56	0.2	31	15	21	44	4.74	1.01	15	20	1.12	1291	1	0.06	25	0.12	2	61	0.11	129	127
202	SILT 125442	5	0.2	4.21	19	558	1.0	5	0.71	0.3	45	16	21	42	4.87	1.05	18	21	1.10	1423	2	0.07	26	0.14	2	65	0.13	134	134
203	SILT 125443	5	0.2	4.55	9	426	0.9	5	0.61	0.2	42	18	22	33	4.66	1.34	16	22	1.26	1126	2	0.07	29	0.13	2	51	0.10	130	116
204	125444 •	5	0.4	4.22	20	489	1.0	5	1.02	0.4	43	18	25	46	5.02	1.11	20	21	1.07	1332	2	0.07	29	0.16	5	77	0.12	129	139
205	125445 •¤	5	0.2	5.13	15	553	0.9	5	0.43	0.2	34	18	28	39	5.03	1.53	17	35	1.32	934	3	0.09	32	0.11	6	56	0.10	141	158
206	SILT 125447 •	5	0.2	5.34	7	438	0.8	5	0.46	0.2	37	18	22	27	5.20	1.73	16	25	1.28	949	1	0.11	33	0.11	5	49	0.09	125	131

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
129	18600E-19525N	5	1.2	3.21	8	881	0.6	5	0.11	0.2	38	4	17	25	2.98	0.94	21	5	0.30	301	47	0.09	7	0.18	4	21	0.16	129	46
130	19550	5	0.2	3.47	2	347	0.4	5	0.17	0.2	30	6	29	48	3.54	0.65	17	5	0.30	263	2	0.04	10	0.14	7	37	0.29	184	55
131	19575	5	0.2	4.00	4	342	0.5	5	0.24	0.2	26	6	26	37	4.63	0.74	17	7	0.47	289	1	0.05	10	0.13	9	43	0.26	181	63
132	19600	5	0.2	3.73	10	256	0.4	5	0.20	0.2	18	7	29	51	5.45	0.57	13	8	0.35	272	4	0.05	10	0.08	2	34	0.19	183	52
133	18600E-19625N	10	0.2	4.06	6	350	1.3	5	0.47	0.2	35	15	25	65	8.84	0.63	24	17	0.50	3694	2	0.07	9	0.39	2	287	0.20	167	100
134	18600E-19700N	5	0.6	3.65	2	325	1.0	5	0.34	0.3	31	10	24	100	3.33	0.39	17	18	0.52	602	1	0.06	13	0.23	3	42	0.21	104	69
135	19725	5	0.2	1.63	3	239	0.3	5	0.20	0.2	24	3	21	23	2.28	0.37	12	8	0.12	165	3	0.24	5	0.09	4	31	0.21	79	36
136	19750	5	0.2	3.18	9	247	0.5	5	0.22	0.2	25	5	28	34	8.49	0.38	16	9	0.43	305	2	0.06	8	0.14	9	39	0.23	172	58
137	19775	5	0.6	3.03	8	239	0.3	5	0.25	0.2	16	5	24	39	5.78	0.34	11	7	0.32	338	1	0.04	9	0.14	8	39	0.29	188	67
138	18600E-19800N	5	0.2	3.44	12	520	0.4	5	0.20	0.2	27	6	22	28	2.86	0.69	14	9	0.25	193	2	0.06	8	0.07	4	49	0.24	148	44
139	18600E-19825N •	5	0.2	3.04	7	435	0.3	5	0.18	0.2	27	4	21	16	1.82	0.57	14	10	0.22	128	1	0.04	6	0.09	4	34	0.26	117	45
140	19850	5	0.2	2.75	22	343	0.4	5	0.24	0.2	25	4	18	19	4.09	0.54	12	8	0.26	467	3	0.07	6	0.22	7	45	0.22	129	42
141	19875	5	0.2	3.62	18	389	0.7	5	0.35	0.2	25	7	19	47	5.19	0.54	15	23	0.46	755	2	0.05	11	0.13	6	35	0.15	131	68
142	19900	5	0.2	3.17	2	237	0.6	5	0.15	0.2	23	8	38	41	3.78	0.93	16	8	0.21	237	4	0.06	6	0.14	3	39	0.41	187	66
143	18600E-19925N	5	0.2	3.58	7	271	0.7	5	0.35	0.2	25	9	28	35	6.06	0.57	16	11	0.60	827	2	0.06	10	0.22	6	40	0.27	168	86
144	18600E-19950N	5	0.2	2.07	5	153	0.3	5	0.23	0.2	31	4	25	14	2.00	0.21	14	11	0.15	166	2	0.15	5	0.05	5	40	0.23	89	42
145	19975	5	0.2	3.85	39	664	0.7	5	0.75	0.2	26	15	11	21	8.28	0.98	16	11	0.37	5313	2	0.06	12	0.16	3	47	0.13	110	85
146	20025	5	0.2	2.22	11	93	0.2	5	0.19	0.2	30	4	22	28	2.68	0.18	14	7	0.15	248	2	0.08	3	0.09	5	35	0.19	136	36
147	20050	5	0.2	2.31	2	66	0.2	5	0.21	0.2	35	3	27	14	2.33	0.12	16	5	0.17	154	2	0.05	3	0.06	5	37	0.21	127	32
148	18600E-20075N	5	0.2	2.78	2	99	0.3	5	0.25	0.2	30	4	29	15	2.48	0.20	15	4	0.24	218	2	0.05	3	0.04	6	47	0.27	141	31
152	18600E-20100N	5	0.2	2.49	2	98	0.3	5	0.21	0.2	24	3	24	20	2.42	0.15	12	3	0.31	187	3	0.08	4	0.05	7	35	0.21	120	35
153	20125	5	0.2	3.73	6	298	0.8	5	0.26	0.2	24	8	24	54	6.17	0.42	15	12	0.54	509	2	0.04	11	0.11	6	33	0.15	132	71
154	20150	5	0.4	2.76	2	388	1.0	5	0.75	0.3	52	16	25	176	3.23	0.31	22	5	0.27	3001	3	0.07	9	0.21	10	67	0.20	97	56
155	20175	5	0.4	2.19	19	225	0.4	5	0.34	0.2	28	8	23	38	2.98	0.36	14	1	0.28	853	2	0.06	5	0.17	7	37	0.17	95	39
156	18600E-20200N	10	0.2	2.57	3	125	0.3	5	0.29	0.2	26	4	29	21	3.92	0.20	13	2	0.26	241	2	0.05	5	0.07	6	35	0.24	143	46
157	18600E-20225N	5	0.6	3.06	13	334	0.8	5	0.38	0.2	37	22	28	87	4.12	0.44	19	8	0.44	2537	3	0.07	10	0.20	14	44	0.25	127	73
158	20250	5	0.4	1.15	2	246	0.3	5	0.45	0.2	23	2	14	21	0.86	0.42	7	1	0.12	292	1	0.03	5	0.14	4	31	0.08	37	67
159	20275	5	0.2	1.68	2	189	0.3	5	0.22	0.2	20	4	38	32	2.65	0.10	11	1	0.14	217	3	0.03	7	0.08	3	30	0.29	128	66
160	18600E-20300N	5	0.2	2.98	4	154	0.4	5	0.18	0.2	23	3	25	56	3.55	0.31	13	5	0.31	162	1	0.03	5	0.10	7	30	0.18	103	39
161	18800E-20050N	5	0.4	3.46	3	268	0.4	5	0.16	0.2	20	5	27	32	4.79	0.44	12	7	0.40	258	1	0.03	7	0.16	2	35	0.16	130	60
162	18800E-20075N	5	0.6	3.38	2	495	0.6	5	0.16	0.2	34	6	12	25	6.21	0.69	20	12	0.27	1382	1	0.05	4	0.30	3	84	0.12	78	64
163	20125	5	1.2	3.40	2	227	0.4	5	0.28	0.2	25	5	25	31	4.38	0.36	11	7	0.36	441	1	0.04	6	0.09	3	43	0.18	159	62
164	20150	5	0.8	2.76	2	185	0.3	5	0.24	0.2	20	3	26	20	4.45	0.21	10	5	0.23	173	1	0.03	4	0.09	2	40	0.22	161	47
165	20175	5	0.6	3.93	2	227	0.5	5	0.18	0.2	12	5	28	37	7.37	0.44	14	7	0.34	378	1	0.03	5	0.13	2	33	0.20	157	56
166	18800E-20200N	5	1.0	3.82	2	210	0.4	5	0.26	0.2	16	7	24	35	5.50	0.43	13	14	0.59	313	1	0.04	9	0.12	8	37	0.14	121	82
167	18800E-20225N	5	0.2	4.41	2	168	0.6	5	0.23	0.2	19	9	34	54	6.85	0.49	16	10	0.50	541	1	0.03	9	0.17	8	33	0.21	191	75
168	20250	5	0.4	3.83	3	188	0.5	5	0.19	0.2	27	5	28	35	4.66	0.48	17	5	0.25	188	2	0.04	5	0.09	13	40	0.34	222	64
169	20275	5	0.2	3.27	3	179	0.4	5	0.19	0.2	24	7	29	31	3.81	0.41	14	8	0.33	280	1	0.03	6	0.13	3	43	0.24	183	57
170	20300	5	0.4	3.30	2	165	0.4	5	0.16	0.2	24	5	29	21	4.77	0.24	14	6	0.30	262	1	0.04	4	0.08	5	32	0.33	191	51
171	18800E-20325N	5	0.4	2.97	2	197	0.3	5	0.23	0.2	36	5	24	17	3.94	0.30	16	8	0.35	274	2	0.04	5	0.10	7	34	0.33	184	51
172	18800E-20350N	5	1.2	2.94	2	200	0.4	5	0.21	0.2	34	6	30	28	4.46	0.37	16	8	0.27	282	2	0.04	6	0.13	8	37	0.36	184	63
173	20375	5	0.6	3.64	6	185	0.8	5	0.23	0.2	35	7	24	45	6.56	0.27	16	14	0.39	549	3	0.05	8	0.14	10	32	0.17	122	87
174	18800E-20400N	5	0.4	3.04	5	159	0.4	5	0.16	0.2	29	6	35	39	4.29	0.30	16	15	0.33	524	1	0.05	7	0.11	5	31	0.19	148	54
175	179591	5	0.2	7.36	2	543	0.9	5	0.07	0.2	18	20	20	103	7.58	1.78	13	24	1.05	901	1	0.06	28	0.12	2	18	0.11	253	85
176	179592 •	5	0.8	6.29	18	1762	0.9	5	0.05	0.2	51	12	12	44	4.51	2.19	27	10	0.26	347	1	0.11	17	0.17	6	58	0.15	146	54

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 104G/2E

PROPERTY Gold

DATE Mon. July 22/91

ROCK SAMPLE REPORT

PROJECT ~~239~~ 229

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
	L 18800E; 20335N											
131634	CHLORITE ~~PYLL~~ PHYLLITE	3-4	FLOAT	GRAB								T.E.
	F.g, medium green; weakly foliated;											
	angular boulder ⇒ close source; m/ctl. ; 3-4%											
	disem. py and a 8mm wide py. band.											
	parallel to foliation. .. Micaceous sheen to											
	rock.											

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Gold

N.T.S. _____

DATE July 24/91

PROJECT _____

ROCK SAMPLE REPORT

MPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
33160	~30 meters SE of old sample 131474 - intensly rusted Andesite tuff? - no visible sulfides	—										BP
33161	~20 metres NE of 131475 - rusty foliated tuff (?) - no visible sulfides	—										BP
33162	~75m west of Meadow near traverse starting point - foliated rusty rhyo-dacitic tuff with fine-med. grained pyrite	1-2										BP
33163	- 150m along creek at 3550 ft. elevation - rusty foliated cherty tuff - some hematite stringers	tr.										BP
33164	- 1130m along crk., 3300ft el. - as for 133163											BP

G = GEOCHEM A = ASSAY

file 229 - Gold

NORANDA VANCOUVER LABORATORY
Geochemical Analysis

Project Name & No.: GOLD – 229 **Geol.:** R.B. **Date received:** JULY 25 **LAB CODE:** 9107–098
Material: 80 SOILS & 1 ROCK **Sheet:** 1 of 2 **Date completed:** AUG. 07
Remarks: • Sample screened @ –35 MESH (0.5 mm)
¤ Organic, Δ Humus, S Sulfide

Au – 10.0 g sample digested with aqua–regia and determined by A.A. (D.L. 5 PPB)
ICP – 0.2 g sample digested with 3 ml $HClO_4/HNO_3$ (4:1) at 203 °C for 4 hours diluted to 11 ml with water. Leeman PS3000 ICP determined elemental contents.
N.B. The major oxide elements and Ba, Be, Ce, La, Li, Ga are rarely dissolved completely from geological materials with this acid dissolution method.

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T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
101	18400E–19400N	5	0.4	2.70	19	223	0.4	6	0.23	0.2	27	6	26	52	4.49	0.46	14	6	0.32	322	2	0.04	12	0.22	14	29	0.19	149	59
102	19425	5	1.4	3.19	8	329	1.0	5	0.33	0.3	38	16	29	62	4.18	0.48	22	9	0.27	1581	3	0.07	10	0.26	19	40	0.27	139	65
103	19450	5	0.6	3.33	23	225	0.4	5	0.22	0.2	23	7	24	32	5.50	0.43	12	7	0.34	417	4	0.04	8	0.23	12	37	0.25	226	57
104	19475	5	0.6	3.30	14	229	0.5	6	0.33	0.2	29	7	32	27	4.53	0.39	14	7	0.31	1023	3	0.08	8	0.20	11	51	0.26	176	68
105	18400E–19500N	5	0.2	3.87	18	390	0.6	7	0.31	0.2	26	9	18	39	7.04	0.63	14	15	0.41	760	3	0.04	11	0.15	13	37	0.18	159	66
106	18400E–19525N	5	0.2	3.09	14	223	0.5	5	0.24	0.2	20	8	15	26	6.75	0.32	11	19	0.37	715	3	0.04	7	0.14	7	35	0.15	145	58
107	19575	5	0.2	2.84	20	218	0.5	6	0.28	0.2	27	11	17	65	5.71	0.31	13	15	0.43	1632	3	0.07	7	0.20	10	40	0.15	166	68
108	19600	5	0.2	4.30	15	323	0.5	7	0.21	0.2	33	10	13	23	6.67	0.70	18	15	0.46	1162	1	0.03	9	0.20	7	35	0.19	168	76
109	19650	5	0.2	1.75	6	127	0.3	5	0.45	0.2	32	3	22	15	2.28	0.17	13	4	0.17	230	1	0.06	3	0.13	9	44	0.35	97	36
110	18400E–19700N	5	0.2	2.83	41	390	0.7	7	0.17	0.2	26	18	13	58	7.61	0.28	11	77	0.28	4920	4	0.04	6	0.30	10	30	0.14	168	73
111	18400E–19750N •¤	5	0.2	1.67	8	274	0.4	5	0.23	0.2	16	7	10	90	3.69	0.28	9	13	0.21	1233	2	0.03	5	0.28	4	21	0.10	82	54
112	19775	5	0.4	2.07	7	175	0.3	5	0.19	0.2	16	4	12	52	4.03	0.38	9	9	0.27	775	1	0.04	4	0.24	4	19	0.10	103	49
113	19850 •	5	0.2	1.96	13	266	0.4	5	0.14	0.2	17	3	13	64	3.70	0.62	9	10	0.17	300	2	0.03	4	0.33	4	15	0.10	67	58
114	19875	5	0.2	2.58	6	166	0.3	5	0.31	0.2	30	2	25	15	2.17	0.40	14	7	0.20	259	1	0.08	3	0.05	6	43	0.23	105	40
115	18400E–19950N	5	0.6	3.21	21	371	0.5	5	0.20	0.2	29	4	19	27	3.92	0.64	15	9	0.29	305	4	0.05	6	0.16	6	38	0.20	150	55
116	18400E–19975N	5	0.8	3.78	22	879	0.5	5	0.04	0.2	25	4	5	32	5.37	1.07	15	46	0.19	202	3	0.07	7	0.27	9	40	0.12	139	61
117	18800E–19500N •	5	0.2	3.86	5	336	0.4	5	0.20	0.2	30	5	25	18	3.16	0.49	14	10	0.46	181	1	0.06	8	0.10	7	40	0.26	146	45
118	19525	5	0.2	3.26	7	322	0.4	5	0.19	0.2	29	3	22	16	3.32	0.42	14	9	0.32	175	2	0.07	6	0.13	10	40	0.26	128	46
119	19550	5	0.4	4.60	10	262	0.5	5	0.07	0.2	29	7	19	27	7.94	0.56	15	11	0.34	714	3	0.04	9	0.18	14	19	0.18	163	85
120	18800E–19575N	5	0.6	3.83	10	535	0.4	6	0.11	0.2	36	6	26	21	4.09	0.57	19	8	0.44	330	2	0.06	8	0.12	10	32	0.26	147	57
121	18800E–19600N	5	1.0	5.76	15	574	0.8	6	0.08	0.2	32	10	36	39	9.65	0.69	22	19	0.72	504	3	0.06	15	0.14	11	33	0.19	177	86
122	19625 •	5	0.6	3.92	10	745	0.5	5	0.05	0.2	30	6	11	24	4.75	0.95	17	8	0.30	423	4	0.05	8	0.16	7	20	0.20	173	51
123	19650	5	0.2	4.63	15	575	0.6	5	0.08	0.2	33	6	12	32	7.15	1.13	18	16	0.39	389	3	0.04	11	0.22	9	47	0.17	151	63
124	19675	5	1.0	4.51	7	363	0.7	6	0.12	0.3	37	9	19	48	6.20	0.63	19	15	0.68	476	3	0.05	14	0.16	9	20	0.15	120	72
125	18800E–19700N	5	0.2	3.27	3	313	0.5	5	0.17	0.2	28	6	25	28	5.42	0.55	14	10	0.45	498	4	0.09	10	0.16	8	27	0.21	143	68
126	18800E–19725N	5	0.2	3.73	2	286	0.4	5	0.15	0.3	27	8	29	25	6.12	0.48	14	9	0.43	621	2	0.05	10	0.09	10	32	0.33	186	60
127	19750	5	0.2	4.51	6	326	0.5	7	0.14	0.2	28	8	35	33	9.20	0.60	16	10	0.62	484	3	0.05	11	0.09	14	30	0.36	244	67
128	19775	5	0.2	4.16	5	229	0.7	5	0.13	0.2	36	6	40	41	8.64	0.48	19	10	0.46	289	3	0.05	12	0.22	7	22	0.31	175	59
129	19800	5	0.2	4.22	11	290	0.5	7	0.39	0.3	29	10	25	51	6.17	0.62	15	9	0.70	411	2	0.05	15	0.19	10	50	0.36	209	75
130	18800E–19825N	5	0.4	3.21	11	223	0.3	7	0.29	0.2	23	7	20	44	3.99	0.47	11	7	0.45	311	2	0.05	12	0.24	9	68	0.19	142	57
131	18800E–19850N	5	1.0	4.02	10	277	0.5	5	0.21	0.2	25	5	28	71	6.12	0.52	16	7	0.45	335	3	0.06	10	0.18	8	35	0.32	179	61
132	19875	45	0.2	4.15	16	254	0.4	5	0.31	0.2	22	4	30	30	6.47	0.46	13	8	0.39	413	1	0.05	7	0.19	15	45	0.34	206	65
133	19900	5	0.6	2.46	2	190	0.3	5	0.19	0.2	19	2	18	24	1.84	0.23	10	3	0.13	89	1	0.07	5	0.22	5	33	0.09	58	36
134	19925	5	1.0	2.72	2	182	0.3	5	0.25	0.2	25	3	16	38	2.66	0.32	13	5	0.20	191	2	0.04	7	0.34	6	26	0.16	77	45
135	18800E–19950N	5	0.2	4.07	18	218	0.5	5	0.16	0.2	20	6	24	53	7.82	0.47	13	8	0.46	538	2	0.04	8	0.19	4	28	0.21	177	61

✓
9/08 RB DP

T.T. No.	SAMPLE No.		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
136	18800E-19975N		5	0.2	4.14	6	203	0.5	5	0.25	0.2	32	8	24	55	7.81	0.45	19	11	0.61	475	2	0.05	10	0.20	6	41	0.30	208	66
137	19000E-19500N		5	0.2	3.96	2	225	0.7	5	0.32	0.2	30	5	40	30	4.74	0.82	14	9	0.42	304	2	0.05	10	0.30	5	48	0.53	175	54
138	19525		5	0.4	3.92	2	173	0.6	5	0.23	0.2	28	8	43	85	5.43	0.52	14	12	0.48	392	3	0.07	15	0.34	4	33	0.32	153	56
139	19550		5	0.2	5.60	5	243	0.6	6	0.17	0.2	29	15	49	40	5.90	1.06	14	14	1.73	522	1	0.06	34	0.15	5	35	0.23	200	69
140	19000E-19575N		5	0.2	4.63	2	158	0.4	7	0.15	0.2	24	8	67	12	3.25	0.91	12	8	0.99	338	1	0.11	17	0.11	4	26	0.21	223	45
141	19000E-19600N		5	0.2	3.89	13	229	0.6	5	0.17	0.3	22	12	39	33	5.60	0.71	13	12	0.94	457	2	0.04	21	0.13	7	27	0.23	193	66
142	19625		5	0.2	4.05	10	265	0.6	5	0.26	0.2	31	8	34	23	5.21	0.85	16	15	0.77	298	3	0.05	15	0.12	9	41	0.24	197	57
143	19650	•	5	0.2	2.52	9	152	0.2	7	0.10	0.3	17	3	20	19	2.04	0.19	9	4	0.18	78	2	0.04	4	0.11	7	20	0.23	132	34
144	19675		5	0.4	3.81	7	295	0.6	8	0.31	0.3	29	11	30	39	4.27	0.59	14	10	0.80	406	2	0.04	19	0.19	7	32	0.20	150	59
145	19000E-19700N		5	0.2	2.73	9	148	0.4	5	0.18	0.2	28	4	24	26	3.53	0.35	14	6	0.28	248	3	0.09	8	0.14	7	26	0.22	135	38
146	19000E-19725N		5	0.2	4.17	12	225	0.4	5	0.10	0.2	26	10	33	27	8.11	0.63	14	11	0.83	477	1	0.03	18	0.12	7	21	0.15	135	70
147	19750		5	0.2	3.90	11	279	0.4	6	0.15	0.2	25	7	27	21	3.84	0.84	13	8	0.61	371	2	0.06	14	0.15	6	25	0.16	132	53
148	19775		5	0.2	3.78	2	309	0.5	5	0.35	0.4	31	4	24	33	2.29	0.51	16	8	0.35	139	2	0.08	11	0.12	11	36	0.24	120	37
152	19800		5	0.2	5.60	8	639	0.7	5	0.19	0.2	23	8	26	83	6.19	1.29	18	6	0.52	1025	9	0.06	14	0.22	5	32	0.24	189	65
153	19000E-19825N		5	0.2	3.85	9	464	0.3	5	0.18	0.2	15	5	25	39	7.19	0.49	14	5	0.23	400	4	0.04	10	0.12	9	35	0.35	225	73
154	19000E-19850N		5	0.2	3.59	2	230	0.3	5	0.15	0.2	17	3	33	43	5.23	0.25	13	8	0.26	202	3	0.05	7	0.12	16	34	0.33	182	51
155	19875		5	0.2	4.50	6	356	0.4	5	0.14	0.2	23	5	24	21	4.38	0.45	15	9	0.36	202	3	0.05	7	0.09	16	34	0.34	191	48
156	19900	•	5	0.2	3.37	2	634	0.5	5	0.16	0.2	23	2	14	11	1.89	0.79	14	17	0.21	104	1	0.11	5	0.17	3	44	0.16	87	37
157	19925		5	0.2	4.25	4	391	0.5	5	0.19	0.2	24	4	30	28	3.96	0.67	15	6	0.45	248	1	0.05	9	0.26	13	38	0.32	151	51
158	19000E-19950N	•	5	0.2	4.54	48	507	0.5	5	0.05	0.2	24	8	14	23	8.33	1.30	19	1	0.26	939	4	0.06	14	0.18	15	19	0.19	170	57
159	19000E-19975N		5	0.2	4.16	11	267	0.4	5	0.19	0.2	18	6	30	41	5.97	0.51	13	11	0.55	299	3	0.04	12	0.18	13	37	0.29	171	67
160	20025		5	0.2	3.06	2	504	0.5	7	0.29	0.4	44	3	26	17	1.61	0.45	24	10	0.23	203	1	0.14	6	0.11	14	52	0.22	98	44
161	20050		5	0.2	3.75	13	202	0.3	5	0.17	0.2	16	3	31	22	5.12	0.26	11	6	0.31	181	2	0.04	5	0.08	7	35	0.26	184	51
162	20075		5	0.2	3.52	2	291	0.4	5	0.17	0.2	25	2	24	18	1.87	0.41	14	4	0.24	133	2	0.13	3	0.13	3	32	0.21	105	38
163	19000E-20100N		5	0.2	4.81	14	254	0.6	5	0.31	0.2	23	6	29	52	10.85	0.45	16	8	0.49	357	2	0.04	8	0.14	19	37	0.34	253	77
164	19000E-20125N		10	0.2	4.98	2	280	0.7	5	0.24	0.2	19	8	24	68	5.73	0.38	13	20	0.62	418	1	0.04	11	0.10	16	39	0.16	131	97
165	20150		5	0.2	3.49	5	447	0.4	5	0.25	0.2	25	7	27	23	5.44	0.43	15	8	0.39	2334	2	0.12	6	0.18	7	43	0.26	180	61
166	20175		10	0.2	3.47	2	321	0.4	5	0.22	0.2	33	2	23	18	2.46	0.43	18	7	0.24	204	1	0.11	3	0.12	4	44	0.26	132	41
167	19000E-20200N		5	0.2	4.16	6	355	0.3	5	0.23	0.2	33	3	19	16	2.56	0.54	19	9	0.36	200	1	0.05	5	0.08	6	46	0.32	147	39
168	19400E-18000N		10	0.2	3.19	21	260	0.3	5	0.16	0.2	26	5	22	61	7.00	0.63	16	9	0.23	540	3	0.04	6	0.26	7	31	0.23	153	63
169	19400E-18025N		5	1.0	3.31	34	356	0.6	5	0.33	0.2	30	10	21	63	5.03	0.68	15	10	0.38	903	8	0.03	22	0.16	13	43	0.14	204	67
170	18050		5	0.2	5.33	14	529	1.0	5	0.21	0.2	45	14	17	69	6.63	0.85	21	23	0.53	1506	1	0.06	10	0.18	8	48	0.16	131	85
171	18075		5	0.2	3.03	17	261	0.6	5	0.29	0.3	25	11	27	63	5.20	0.47	13	12	0.42	1017	3	0.04	10	0.23	17	38	0.13	130	86
172	18100		5	0.2	3.31	18	306	0.5	5	0.35	0.2	24	6	25	37	4.88	0.55	14	11	0.32	617	2	0.04	8	0.17	5	48	0.17	142	77
173	19400E-18125N		15	0.2	3.93	16	299	1.0	5	0.25	0.2	33	13	20	77	4.67	0.55	18	16	0.62	945	2	0.05	14	0.17	13	36	0.11	109	110
174	19400E-18150N		5	0.2	3.51	12	250	0.4	5	0.17	0.2	17	7	21	64	6.88	0.51	11	12	0.50	441	2	0.03	11	0.40	10	27	0.12	127	78
175	18175		5	0.2	2.78	4	241	0.4	5	0.18	0.2	19	5	20	51	5.88	0.45	12	8	0.20	359	2	0.03	5	0.40	4	28	0.15	112	57
176	18200	•	15	0.2	4.57	20	456	1.0	5	0.29	0.2	29	17	9	51	4.62	1.24	17	21	0.78	1427	2	0.04	14	0.13	5	43	0.11	132	89
177	18225		5	0.2	3.41	3	288	0.4	5	0.27	0.2	29	6	24	82	4.84	0.90	17	9	0.22	286	2	0.03	7	0.46	8	43	0.39	182	64
178	19400E-18250N		5	0.4	3.00	10	233	0.5	5	0.25	0.2	28	11	15	64	5.14	0.57	13	11	0.63	1052	2	0.04	14	0.20	8	34	0.14	127	78
179	19400E-18275N		10	0.2	2.23	13	265	0.3	5	0.19	0.2	16	5	16	44	4.90	0.43	10	6	0.25	285	2	0.04	10	0.16	5	30	0.14	121	59
180	18300		5	0.6	6.38	8	230	0.8	5	0.22	0.2	29	10	20	51	5.97	0.41	16	14	0.46	727	2	0.04	12	0.20	8	29	0.13	108	73
181	18325		5	0.2	3.46	8	285	0.4	5	0.28	0.2	15	5	30	43	8.02	0.56	12	7	0.37	361	1	0.03	11	0.21	9	40	0.26	228	68
182	18350		5	0.4	3.62	5	439	0.8	5	0.47	0.2	40	11	26	50	4.91	0.57	22	10	0.53	1056	1	0.05	11	0.22	6	47	0.21	135	69
183	19400E-18375N		5	0.6	4.27	8	189	0.5	5	0.26	0.2	28	5	29	57	8.20	0.31	17	7	0.26	568	2	0.03	8	0.30	11	26	0.20	164	65
184	RX 131633		5	0.2	2.32	5	21	0.4	5	0.12	0.2	22	6	128	57	7.71	0.03	12	14	1.04	433	1	0.01	12	0.03	4	4	0.03	73	59

GEOCHEMICAL ANALYSIS CERTIFICATE Gold (Rock)

Noranda Exploration Co. Ltd. PROJECT 107-092 229 File # 91-2838

1050 Davie St., Vancouver BC V6E 1M4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
130665	10	757	58	40	1.2	3	9	87	4.22	33	5	ND	1	8	.3	2	7	8	.05	.033	2	4	.06	55	.10	2	.31	.02	.23	1	43
130666	1	324	11	32	.5	3	17	243	2.38	4	5	ND	1	3	.2	2	4	3	.07	.015	5	4	.24	113	.01	2	.63	.08	.13	3	9
130667	1	7071	62	164	4.6	2191	534	352	29.01	7	5	ND	3	3	4.0	2	11	30	.03	.005	2	231	3.03	13	.03	10	.80	.01	.02	1	128
130668	6	99	13	47	.1	106	63	377	31.78	2	5	ND	2	25	.2	2	4	114	1.05	.058	2	1	.39	42	.01	8	.41	.02	.01	18	13
131632	1	25	8	79	.1	21	19	582	5.16	2	5	ND	1	7	.5	2	2	27	.18	.061	10	9	2.62	225	.02	4	2.94	.03	.30	1	4
STANDARD C/AU-R	20	60	40	131	7.3	69	32	1054	3.91	43	21	8	39	52	18.9	17	21	57	.47	.089	40	58	.88	175	.09	34	1.86	.06	.15	11	480

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 24 1991 DATE REPORT MAILED: July 29/91 SIGNED BY C. Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

for 229-Gold.

NORANDA VANCOUVER LABORATORY

Geochemical Analysis

Project Name & No.: GOLD – 229 **Geol.:** R.B. **Date received:** JULY 24 **LAB CODE:** 9107-092
Material: 94 SOILS, 4 SILTS **Sheet:** 1 of 3 **Date completed:** AUG. 07
Remarks: * Sample screened @ –35 MESH (0.5 mm)
¤ Organic, Δ Humus, S Sulfide Au – 10.0 g sample digested with aqua–regia and determined by A.A. (D.L. 5 PPB)
ICP – 0.2 g sample digested with 3 ml $HClO_4/HNO_3$ (4:1) at 203 °C for 4 hours diluted to 11 ml with water. Leeman PS3000 ICP determined elemental contents.
N.B. The major oxide elements and Ba, Be, Ce, La, Li, Ga are rarely dissolved completely from geological materials with this acid dissolution method.

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T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
2	10000N–10025E *¤	5	1.2	3.29	8	541	1.0	5	1.63	0.3	35	11	24	56	3.76	0.54	27	22	0.32	1465	3	0.06	11	0.17	2	131	0.09	82	76
3	10050 *¤	5	0.4	3.79	7	565	0.7	5	0.54	0.2	35	4	9	15	2.86	1.42	19	6	0.29	205	4	0.03	5	0.07	2	55	0.19	81	63
4	10075	5	1.0	4.88	7	813	2.2	5	1.46	0.3	52	13	12	55	4.66	1.20	37	20	0.48	2271	3	0.04	10	0.28	6	139	0.14	62	127
5	10100	5	0.6	1.91	2	169	0.3	5	0.19	0.2	31	2	26	10	1.31	0.39	15	2	0.16	122	1	0.05	2	0.09	2	34	0.17	57	32
6	10000N–10125E	5	0.2	3.45	2	170	0.4	5	0.05	0.2	38	2	5	3	1.45	0.84	20	2	0.19	156	1	0.03	1	0.04	2	85	0.12	46	49
7	10000N–10150E	5	0.2	4.00	4	281	0.5	5	0.14	0.2	34	4	13	10	3.03	0.84	18	7	0.28	168	2	0.03	5	0.08	5	101	0.16	76	55
8	10200	5	0.2	3.49	2	287	0.7	5	0.05	0.2	36	3	6	8	3.43	0.90	19	6	0.35	233	3	0.05	2	0.12	4	24	0.12	35	62
9	10225 *¤	5	0.8	3.64	2	537	0.7	6	0.12	0.2	29	3	8	11	2.15	1.11	15	2	0.34	478	1	0.03	3	0.06	4	35	0.12	35	85
10	10250	5	0.2	2.79	2	146	0.4	5	0.09	0.2	34	2	13	5	1.70	0.39	17	8	0.19	91	1	0.03	3	0.06	5	62	0.17	60	40
11	10000N–10275E *¤	5	1.2	2.37	2	170	0.7	5	0.12	0.2	21	4	10	31	2.17	0.32	13	3	0.12	441	2	0.03	5	0.19	5	21	0.09	35	43
12	10000N–10300E	5	0.6	2.20	2	174	0.4	5	0.06	0.2	32	1	6	6	1.39	0.49	17	10	0.11	77	1	0.04	2	0.10	2	39	0.08	30	39
13	10325	5	0.4	3.42	2	402	0.6	5	0.14	0.2	35	2	14	8	1.79	1.08	19	6	0.34	172	2	0.05	3	0.07	6	42	0.18	59	44
14	10350 *	5	0.4	4.50	2	456	0.8	5	0.11	0.2	20	8	7	11	2.99	2.44	12	5	0.47	409	1	0.03	6	0.08	4	58	0.10	76	70
15	10375	5	0.4	3.86	7	412	0.6	5	0.17	0.2	38	3	13	9	2.52	0.90	19	11	0.36	272	2	0.05	2	0.07	6	38	0.16	82	57
16	10000N–10400E	5	0.2	4.26	29	349	0.5	5	0.09	0.2	29	5	10	16	4.93	0.87	14	5	0.28	431	3	0.03	4	0.09	13	42	0.17	105	78
17	10000N–10425E	5	0.2	4.42	2	302	0.5	5	0.08	0.2	49	3	11	7	2.70	1.08	23	4	0.33	196	2	0.03	2	0.05	3	87	0.19	65	54
18	10450	5	0.2	4.03	8	119	1.7	5	0.09	0.2	46	2	10	11	5.20	0.18	23	8	0.14	590	5	0.10	3	0.15	11	18	0.11	27	59
19	10475	5	0.4	2.72	5	104	0.3	5	0.11	0.2	39	2	19	6	2.45	0.24	20	6	0.20	207	4	0.06	2	0.07	5	39	0.29	92	41
20	10500 *¤	5	0.4	4.23	11	364	0.6	5	0.04	0.2	31	4	8	11	3.58	1.20	16	5	0.38	158	2	0.03	5	0.11	7	27	0.11	70	44
21	10000N–10525E *¤	5	0.2	5.04	2	174	1.0	5	0.44	0.2	44	9	19	46	4.43	0.34	20	9	0.24	917	6	0.04	6	0.67	9	48	0.20	100	61
22	10000N–10550E *¤	5	0.6	2.01	2	115	0.2	5	0.14	0.2	24	2	19	49	2.82	0.30	13	3	0.08	115	2	0.05	5	0.58	3	19	0.15	43	46
23	10575	5	0.6	2.99	4	215	0.4	5	0.17	0.3	37	7	30	33	5.32	0.41	22	21	0.27	785	5	0.05	8	0.41	6	35	0.39	123	120
24	10625 *¤	5	0.4	2.45	3	218	0.3	5	0.11	0.2	30	4	25	41	6.71	0.31	18	5	0.13	206	3	0.02	3	0.88	2	31	0.24	71	66
25	10650	5	0.4	3.23	59	230	0.9	5	0.18	0.3	54	18	15	51	8.73	0.20	25	12	0.37	2026	8	0.03	5	0.32	5	32	0.11	99	57
26	10000N–10675E	5	0.4	3.18	21	180	0.4	5	0.12	0.2	21	5	20	32	7.09	0.32	13	7	0.32	337	2	0.03	7	0.18	14	30	0.20	159	65
27	10000N–10700E *¤	5	0.6	4.37	11	409	0.6	5	0.15	0.3	31	7	28	42	4.85	0.86	16	22	0.34	358	6	0.05	11	0.28	4	56	0.40	179	78
28	10725	5	0.2	4.37	15	480	0.6	6	0.11	0.2	40	10	20	45	7.99	0.93	21	27	0.59	693	4	0.04	13	0.66	8	71	0.13	139	75
29	10750 *	5	0.2	3.35	5	339	0.5	7	0.14	0.2	37	6	21	34	4.97	0.78	19	8	0.48	319	3	0.04	16	0.20	7	36	0.19	131	75
30	10775	5	0.6	2.73	2	257	0.4	5	0.40	0.3	34	6	21	29	3.26	0.44	16	5	0.33	577	3	0.04	10	0.25	7	56	0.15	144	52
31	10000N–10800E	5	0.2	2.27	7	220	0.4	5	0.21	0.2	36	5	17	24	4.11	0.28	21	5	0.25	955	7	0.07	5	0.18	4	63	0.18	90	63
32	20000N–18400E	5	0.4	2.71	20	387	0.9	5	2.32	0.7	36	7	29	78	3.90	0.36	19	32	0.39	1271	5	0.05	11	0.20	11	143	0.20	98	167
33	18425	5	0.2	2.86	3	254	0.4	5	0.43	0.2	31	5	36	17	2.76	0.41	15	9	0.31	793	3	0.06	4	0.09	10	52	0.30	125	66
34	18450	5	0.2	2.81	11	214	0.4	5	0.30	0.2	22	5	26	33	4.49	0.34	13	7	0.35	566	3	0.05	5	0.17	8	44	0.19	148	65
35	18475	5	0.4	3.46	12	236	0.3	5	0.27	0.2	25	5	30	21	4.71	0.35	15	7	0.32	376	2	0.05	5	0.09	11	42	0.24	179	69
36	20000N–18500E	5	0.4	2.27	5	169	0.3	5	0.26	0.2	26	2	21	15	1.84	0.30	13	4	0.22	386	1	0.12	3	0.06	9	37	0.16	79	45

✓

881 R R DP

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
37	20000N-18525E	5	0.2	3.35	24	254	0.5	5	0.25	0.2	28	6	31	19	5.18	0.32	16	8	0.41	710	4	0.04	7	0.25	15	35	0.34	151	65
38	18575	5	0.2	3.55	11	174	0.3	5	0.21	0.2	27	3	30	20	4.11	0.25	14	9	0.25	154	2	0.04	4	0.12	15	40	0.32	138	46
39	18600	5	0.6	2.66	40	160	0.3	5	0.18	0.2	27	6	23	27	4.93	0.26	15	11	0.23	330	4	0.05	6	0.11	16	34	0.21	146	79
40	18625	5	0.4	3.40	31	213	0.4	5	0.17	0.2	32	8	23	25	5.18	0.45	17	20	0.28	377	3	0.04	9	0.10	10	39	0.18	172	65
41	20000N-18650E	5	0.4	3.75	7	219	0.4	5	0.20	0.3	32	4	34	22	2.58	0.33	17	9	0.25	138	2	0.04	4	0.06	8	42	0.29	163	42
42	20000N-18675E *¤	5	0.4	1.80	12	145	0.5	5	0.28	0.2	25	12	19	16	4.38	0.13	11	6	0.22	2216	3	0.08	2	0.18	6	41	0.18	139	68
43	18725	5	0.2	3.31	9	551	0.4	5	0.19	0.2	36	6	29	22	2.48	0.82	19	9	0.27	196	2	0.04	8	0.07	5	49	0.25	135	50
44	18750 *	5	0.6	2.25	2	250	0.3	5	0.14	0.2	25	3	14	14	1.62	0.29	12	5	0.19	103	1	0.05	2	0.14	5	25	0.13	51	51
45	18775 *¤	5	0.6	2.56	10	283	0.6	5	0.30	0.2	36	8	18	37	4.31	0.39	17	9	0.26	1050	3	0.06	5	0.20	15	39	0.13	77	77
46	20000N-18800E	5	0.2	2.87	3	169	0.3	5	0.17	0.2	25	4	27	34	3.32	0.26	13	7	0.27	170	2	0.05	6	0.12	7	35	0.20	126	44
47	20000N-18825E	5	0.2	2.41	3	203	0.3	5	0.15	0.2	20	6	25	54	3.16	0.43	10	5	0.17	185	2	0.02	9	0.14	7	32	0.37	147	60
48	18850	5	0.2	2.79	6	425	0.4	6	0.25	0.2	33	4	26	42	3.64	0.51	17	6	0.22	209	3	0.06	7	0.15	5	35	0.22	106	60
49	18875	5	0.2	4.76	52	694	0.5	5	0.08	0.2	21	10	6	17	8.80	0.97	14	6	0.24	623	3	0.05	10	0.14	12	29	0.09	127	52
51	18900	5	1.0	3.29	9	176	0.4	5	0.19	0.2	21	4	30	75	5.84	0.38	13	5	0.26	228	4	0.03	10	0.28	12	34	0.29	146	62
52	20000N-18925E	5	0.2	4.64	2	1677	0.5	5	0.28	0.2	38	3	22	17	1.79	1.00	20	35	0.23	228	1	0.09	7	0.11	2	68	0.20	116	42
53	20000N-18950E	5	0.4	3.89	12	425	0.4	5	0.20	0.2	31	5	26	44	3.72	0.65	15	7	0.27	234	3	0.08	9	0.15	10	44	0.32	161	67
54	18975	5	0.4	4.36	10	249	0.6	5	0.19	0.2	23	6	27	44	6.58	0.35	14	15	0.56	325	2	0.04	11	0.19	14	33	0.18	157	62
55	19000	5	0.2	4.00	13	227	0.4	5	0.15	0.2	24	6	27	32	9.57	0.35	14	9	0.42	572	3	0.05	8	0.21	13	32	0.26	193	65
56	19025 *¤	5	0.2	1.39	2	329	0.2	5	0.15	0.2	24	3	15	25	1.36	0.31	10	3	0.10	75	4	0.03	6	0.10	6	25	0.12	49	53
57	20000N-19050E	5	1.0	3.29	7	491	0.9	5	0.45	0.8	44	8	27	102	4.40	0.48	25	8	0.28	768	4	0.08	21	0.30	16	43	0.22	121	67
58	20000N-19075E	5	0.4	3.98	10	262	0.5	6	0.16	0.2	35	5	25	29	6.65	0.59	18	9	0.40	367	6	0.05	9	0.16	20	30	0.45	207	72
59	19100	5	0.2	4.75	7	503	0.7	5	0.13	0.2	34	5	27	30	6.71	0.55	16	15	0.43	343	3	0.06	8	0.15	8	36	0.25	150	72
60	19125	5	0.2	3.91	3	472	0.3	6	0.17	0.2	36	3	19	10	2.63	0.58	15	9	0.26	126	2	0.05	6	0.09	9	42	0.21	126	40
61	19150	5	0.2	3.31	12	339	0.5	5	0.16	0.2	24	7	27	40	6.82	0.48	14	8	0.40	338	2	0.03	10	0.12	10	28	0.24	213	75
62	20000N-19175E	5	0.2	3.82	5	287	0.4	5	0.20	0.2	23	6	22	39	4.24	0.56	13	9	0.50	244	2	0.04	9	0.07	4	33	0.19	166	67
63	20000N-19200E	5	0.2	4.29	3	177	0.4	5	0.11	0.2	19	8	35	22	6.65	0.41	12	10	0.58	303	1	0.04	12	0.10	6	29	0.23	204	78
64	19225	5	0.2	5.92	2	188	0.4	5	0.09	0.2	17	15	38	6	3.48	1.45	10	13	1.11	955	1	0.05	20	0.07	3	21	0.27	139	51
65	19250	5	0.4	4.34	2	357	0.7	5	0.46	0.3	24	16	35	34	5.31	0.94	12	15	1.16	3064	2	0.06	17	0.32	5	28	0.21	161	98
66	19275	5	0.2	3.45	7	115	0.5	5	0.18	0.3	24	5	23	29	5.48	0.20	14	9	0.34	210	2	0.05	6	0.09	5	26	0.20	150	51
67	20000N-19300E *¤	5	0.2	3.40	2	124	0.3	6	0.54	0.4	23	8	36	19	4.13	0.27	10	8	0.86	395	2	0.06	13	0.09	4	72	0.26	205	60
68	20000N-19325E	5	0.2	4.05	3	287	0.7	5	0.28	0.2	28	12	20	33	4.33	0.42	18	13	0.37	596	2	0.06	7	0.12	6	35	0.22	158	71
69	19350 *¤	5	0.2	4.04	2	256	0.4	5	0.14	0.2	23	4	24	30	3.19	0.55	13	7	0.35	136	1	0.04	6	0.11	6	29	0.24	168	59
70	19375	5	0.6	3.71	2	194	0.4	5	0.21	0.2	23	4	20	30	2.43	0.43	12	7	0.25	130	1	0.05	7	0.14	8	32	0.18	124	49
71	19400	5	0.2	3.88	2	171	0.2	5	0.19	0.2	15	1	27	12	2.11	0.41	10	6	0.21	117	1	0.04	3	0.06	2	42	0.29	145	39
72	20000N-19425E *	5	0.2	4.38	2	252	0.3	5	0.15	0.2	15	5	26	21	5.45	0.86	11	14	0.36	410	1	0.06	10	0.11	2	47	0.17	200	56
73	20000N-19450E	5	0.4	4.37	2	188	0.3	5	0.11	0.2	20	3	22	24	4.60	0.56	13	6	0.25	211	2	0.04	5	0.09	3	30	0.28	189	52
74	19475 *¤	5	0.2	3.73	9	396	0.3	5	0.84	0.2	25	4	22	17	4.30	0.52	12	20	0.52	205	5	0.05	10	0.11	6	92	0.24	209	71
75	19500	5	0.2	4.59	2	318	0.5	5	0.06	0.2	30	5	22	23	4.25	1.34	18	9	0.27	282	10	0.03	6	0.07	2	42	0.43	219	105
76	19525	5	0.4	5.74	2	372	1.1	5	0.14	0.2	41	10	23	66	5.88	0.69	22	29	0.63	414	2	0.04	16	0.13	7	31	0.14	128	113
77	20000N-19550E	5	0.2	4.48	4	186	0.5	5	0.12	0.2	22	5	24	35	6.07	0.42	12	14	0.42	536	2	0.06	9	0.16	7	26	0.21	171	78
78	20000N-19575E	5	0.4	3.93	6	211	0.3	5	0.11	0.2	19	4	25	30	5.82	0.40	12	7	0.31	291	2	0.03	7	0.13	11	31	0.22	174	68
79	19600	5	0.2	3.65	12	258	0.6	5	0.14	0.2	22	5	28	38	8.42	0.78	15	7	0.27	316	5	0.03	10	0.43	17	35	0.24	248	95
80	19625	5	0.2	3.56	4	226	0.3	5	0.41	0.2	25	4	27	27	5.74	0.42	13	8	0.37	293	4	0.03	10	0.12	17	47	0.21	166	88
81	19650 *¤	5	0.4	3.98	10	358	0.5	5	0.12	0.2	29	6	38	32	3.55	0.91	16	9	0.27	305	4	0.05	9	0.13	12	55	0.28	169	82
82	20000N-19675E	5	2.0	3.57	8	276	0.3	5	0.21	0.2	25	4	26	23	4.30	0.62	13	9	0.25	237	4	0.03	7	0.13	19	45	0.22	175	73

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
83	20000N-19700E •	5	0.2	3.56	8	375	0.7	5	0.25	0.2	29	16	16	27	3.79	0.91	15	22	0.68	2330	3	0.04	13	0.15	12	26	0.10	104	136
84	19725	85	0.2	4.78	13	497	1.0	5	0.66	0.5	42	13	18	37	3.86	1.25	18	22	0.72	568	3	0.05	19	0.12	16	68	0.13	131	162
85	19750	5	0.2	3.46	10	311	0.4	5	0.09	0.2	24	3	20	24	3.76	0.85	13	7	0.20	132	3	0.04	6	0.31	9	48	0.21	144	64
86	19775	50	0.2	4.87	14	356	0.4	5	0.07	0.2	33	3	19	19	2.68	1.10	18	11	0.25	119	4	0.05	7	0.07	7	53	0.23	193	69
87	20000N-19800E	5	0.2	5.11	18	431	0.7	5	0.22	0.2	27	9	16	38	4.20	1.23	14	15	0.54	967	3	0.05	17	0.09	12	45	0.12	131	128
88	20000N-19825E	5	0.2	5.70	25	440	0.5	5	0.06	0.2	31	5	16	42	4.16	1.54	17	13	0.28	164	5	0.04	9	0.08	9	55	0.19	212	136
89	19850 •¤	5	0.8	0.48	3	148	0.2	5	0.25	0.2	14	1	5	26	0.37	0.14	4	2	0.05	55	1	0.01	6	0.05	4	22	0.03	14	52
90	19875	5	0.2	4.96	12	464	0.5	5	0.08	0.2	21	7	20	36	4.76	1.12	14	12	0.59	228	2	0.05	17	0.08	13	46	0.12	129	122
91	19900	10	0.4	4.39	12	318	0.4	5	0.06	0.2	20	4	21	32	3.61	0.93	13	9	0.25	128	4	0.03	9	0.10	4	39	0.12	151	112
92	20000N-19925E	5	1.0	4.78	18	378	0.4	5	0.11	0.2	23	4	23	40	4.82	1.03	15	9	0.28	137	4	0.04	10	0.17	12	46	0.16	161	108
93	20000N-19950E	5	0.2	5.29	10	739	1.1	5	0.64	0.6	41	13	15	42	4.02	1.49	20	21	0.61	1110	3	0.07	21	0.13	13	111	0.13	134	173
94	19975	5	0.2	6.30	11	368	0.7	5	0.06	0.2	31	6	15	39	4.25	1.74	18	11	0.31	158	4	0.08	10	0.25	11	98	0.13	161	127
95	20000N-20000E	15	1.0	5.74	9	345	0.9	5	0.13	1.6	42	18	22	62	4.53	1.01	17	16	0.41	1875	5	0.04	32	0.26	28	36	0.14	133	257
96	SILT 135600	5	0.4	5.36	21	1025	1.1	5	0.59	0.9	45	18	13	58	4.46	1.53	20	23	1.01	1009	4	0.08	32	0.12	13	73	0.13	149	148
97	SILT 135601	5	0.2	4.97	18	838	1.0	5	0.66	0.9	43	16	15	37	4.25	1.41	19	22	0.73	1156	3	0.07	23	0.11	16	134	0.14	140	175
98	SILT 135602 •	30	0.2	3.75	23	587	0.8	5	0.97	0.6	44	15	15	38	4.09	0.95	19	27	0.82	1939	4	0.06	16	0.10	12	80	0.12	123	143
99	SILT 135603 •	10	0.2	5.04	26	572	1.0	8	0.78	0.5	44	20	21	41	5.09	1.48	19	26	1.13	1463	3	0.10	31	0.15	6	76	0.12	133	127

NORANDA VANCOUVER LABORATORY
Geochemical Analysis

Project Name & No. SM-GOLD - 229 **Geol.:** E.G. **Date received:** JUNE 28 **LAB CODE:** 9107-015
Material: 5 SILTS & 2 RX **Sheet:** 1 of **Date completed:** JULY 08
Remarks: • Sample screened @ -35 MESH (0.5 mm)
¤ Organic, Δ Humus, S Sulfide

Au - 10.0 g sample digested with aqua-regia and determined by A.A. (D.L. 5 PPB)

ICP - 0.2 g sample digested with 3 ml $HClO_4/HNO_3$ (4:1) at 203 °C for 4 hours diluted to 11 ml with water. Leeman PS3000 ICP determined elemental contents.

N.B. The major oxide elements and Ba, Be, Ce, La, Li, Ga are rarely dissolved completely from geological materials with this acid dissolution method.

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
125	107631 •	5	0.6	2.85	13	116	0.4	5	0.42	0.8	29	7	15	49	2.64	18	0.26	12	5	0.27	319	3	0.03	7	0.16	7	40	0.11	68	73
126	107632 •	5	0.4	3.11	20	200	0.5	5	0.73	0.4	34	15	18	43	3.55	26	0.56	11	12	1.10	1322	2	0.04	12	0.04	16	58	0.10	103	134
127	107633	5	0.2	3.37	18	392	0.7	5	1.13	0.8	43	19	23	53	5.16	33	0.49	13	11	0.79	3142	5	0.05	17	0.10	8	84	0.14	120	112
128	107634	5	0.2	4.52	13	353	0.7	5	1.22	0.2	44	23	25	178	5.21	35	0.84	15	12	1.33	1499	1	0.04	15	0.09	5	83	0.11	141	82
129	107635	5	0.4	4.03	14	527	0.7	5	0.93	0.2	43	13	24	56	3.77	30	0.91	15	12	0.98	531	2	0.05	15	0.08	7	70	0.10	115	79
131	RX 107630	5	0.2	3.65	2	45	0.4	5	1.74	0.2	36	20	17	145	5.08	35	0.18	11	16	2.43	729	1	0.15	10	0.05	2	63	0.20	179	52
133	RX 107636	25	0.4	1.29	37	336	0.3	5	0.03	0.2	3	31	152	4892	9.05	6	0.33	5	6	0.09	220	4	0.05	4	0.02	2	6	0.03	20	22

Copy: Rob
file: 229 - SM-GOLD

RB DP

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 104G/2

PROPERTY Gold

DATE June '91

ROCK SAMPLE REPORT

PROJECT 229

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
107630	o/c Rusty weathering Andesitic volcanics w/ 2-5 % dissem py. o/c several metres across	2-5	grab									ECG
107635	o/c several metres across of quartz veins in silicified intrusive with several % dissem cpy withing much larger body of intrusive (Quartz eye porphyritic intrusive)		grab									ECG

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 104G/2

PROPERTY Gold

DATE June '91

ROCK SAMPLE REPORT

PROJECT 229

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLE BY
107630	o/c Rusty weathering Andesitic volcanics w/ 2-5 % dissem py. o/c several metres across	2-5	grab									ECG
107635	o/c several metres across of quartz veins in silicified intrusive with several % dissem cpy withing much larger body of intrusive (Quartz eye porphyritic intrusive)		grab									ECG

G - GEOCHEM A - ASSAY

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Gold (Rb)

Noranda Exploration Co. Ltd. PROJECT 9107-092 229 File # 91-2838

1050 Davie St., Vancouver BC V6E 1M4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
130665	10	757	58	40	1.2	3	9	87	4.22	33	5	ND	1	8	.3	2	7	8	.05	.033	2	4	.06	55	.10	2	.31	.02	.23	1	43
130666	1	324	11	32	.5	3	17	243	2.38	4	5	ND	1	3	.2	2	4	3	.07	.015	5	4	.24	113	.01	2	.63	.08	.13	3	9
130667	1	7071	62	164	4.6	2191	534	352	29.01	7	5	ND	3	3	4.0	2	11	30	.03	.005	2	231	3.03	13	.03	10	.80	.01	.02	1	128
130668	6	99	13	47	.1	106	63	377	31.78	2	5	ND	2	25	.2	2	4	114	1.05	.058	2	1	.39	42	.01	8	.41	.02	.01	18	13
131632	1	25	8	79	.1	21	19	582	5.16	2	5	ND	1	7	.5	2	2	27	.18	.061	10	9	2.62	223	.02	4	2.94	.03	.30	1	4
STANDARD C/AU-R	20	60	40	131	7.3	69	32	1054	3.91	43	21	8	39	52	18.9	17	21	57	.47	.089	40	58	.88	175	.09	34	1.86	.06	.15	11	480

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 24 1991 **DATE REPORT MAILED:** July 29/91. **SIGNED BY** C. Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

July Faxed to RS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE Gold (RB)

Noranda Exploration Co. Ltd. PROJECT 9108-002 229 File # 91-2945

1050 Davie St., Vancouver BC V6E 1M4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
131634	1	45	2	117	.1	14	24	1515	9.38	8	8	ND	1	32	1.4	2	2	211	1.09	.208	7	33	3.64	84	.37	2	4.14	.06	.01	1	1
133160	1	80	2	46	.1	14	19	1366	4.85	23	5	ND	1	18	.3	2	2	36	1.01	.076	8	5	.67	114	.01	4	1.07	.06	.25	1	1
133161	1	38	2	71	.1	11	9	800	3.78	4	5	ND	1	8	.2	3	2	23	.13	.041	13	11	1.77	68	.01	3	2.23	.03	.13	1	1
133162	1	65	3	70	.1	10	14	1016	4.72	12	5	ND	1	16	.6	2	2	64	.84	.062	5	10	2.06	72	.01	2	2.45	.06	.14	1	2
133163	11	7	2	6	.1	7	2	310	.75	9	5	ND	1	2	.2	2	2	3	.02	.012	2	4	.03	54	.01	2	.09	.01	.04	1	2
133164	1	73	2	61	.2	72	25	847	4.69	4	6	ND	1	106	.7	3	2	97	3.29	.039	3	103	2.53	127	.25	2	2.07	.04	.07	1	2
STANDARD C	17	58	36	129	7.1	69	32	1023	3.90	41	18	6	38	53	18.4	16	23	56	.48	.081	37	58	.85	173	.09	34	1.91	.06	.16	11	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
ASSAY RECOMMENDED FOR CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 29 1991 **DATE REPORT MAILED:** July 31/91. **SIGNED BY**.....C. Leong.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Ag PG (Rerun)

179600 is 100m north

GRANITE

Gold 4

Gold 3

NORTH GRID

SOUTH GRID

PHYLLITE

Rhubarb Cr.

20400N
20200N
20000N
19800N
19600N
19400N
19200N
19000N
18800N
11000N
10900N
10800N
10700N
10600N
10500N
10400N
10300N
10200N
10100N
10000N

18000E
18200E
18400E
19000E
10600E
10800E

2500
2000
3000
4000
4500
5000

130028 (1990 Soil Sample)

131654
131633
131632
135603
135602
179599
179598
179597
179596
179595
179594
125447
125446
125445
125444
125443
125442
133165
125441
133164
125440
125439
125438
125437
125436
125435
125434
125433
125432
125431
125430
125429
133161
133163
179593
179591
179592
125428
133162
133160
125427
125426

22,020

1991 SILT SAMPLES

SAMPLE No.	Au ppb	Ag ppm	As ppm	Ba ppm	Cd ppm	Cu ppm	Mo ppm	Pb ppm	Zn ppm
125426	5	0.2	13	1191	0.2	40	2	2	103
125427	5	0.2	14	538	0.3	45	3	2	116
125428	5	0.2	24	645	0.1	33	3	4	119
125429	5	0.2	22	770	0.1	33	3	2	111
125430	5	0.2	23	706	0.1	37	3	5	124
125431	5	0.2	26	627	0.4	40	4	6	128
125432	5	0.2	17	602	0.2	38	2	3	120
125433	5	0.2	7	529	0.3	27	2	3	101
125434	5	0.2	20	455	0.3	43	2	8	126
125435	5	0.2	7	464	0.2	24	2	5	106
125436	5	0.2	18	562	0.2	36	2	6	123
125437	5	0.2	9	444	0.1	23	2	5	111
125438	5	0.4	22	506	0.3	35	3	4	145
125439	5	0.2	19	408	0.4	29	2	3	110
125440	5	0.2	15	483	0.4	34	2	2	120
125441	5	0.2	18	473	0.2	44	1	2	127
125442	5	0.2	19	558	0.3	42	2	2	134
125443	5	0.2	9	426	0.2	33	2	2	116
125444	5	0.4	20	489	0.4	46	2	5	139
125445	5	0.2	15	553	0.2	39	3	6	158
125447	5	0.2	7	438	0.2	27	1	3	131
135602	30	0.2	23	587	0.6	38	4	12	142
135603	10	0.2	26	572	0.5	41	3	6	127

1991 ROCK SAMPLES

SAMPLE No.	Au ppb	Ag ppm	As ppm	Ba ppm	Cd ppm	Cu ppm	Mo ppm	Pb ppm	Zn ppm
131632	4	0.1	2	223	0.5	25	1	8	79
131633	5	0.2	5	21	0.2	37	1	4	59
131634	1	0.1	8	84	1.4	45	1	2	117
133160	1	0.1	23	114	0.3	80	1	2	46
133161	1	0.1	4	68	0.2	38	1	2	71
133162	2	0.1	12	72	0.6	65	1	3	70
133163	2	0.1	9	54	0.2	7	11	2	6
133164	2	0.2	4	127	0.7	73	1	2	61
133165	no result								

1991 SOIL SAMPLES

SAMPLE No.	Au ppb	Ag ppm	As ppm	Ba ppm	Cd ppm	Cu ppm	Mo ppm	Pb ppm	Zn ppm
179591	5	0.2	2	543	0.2	103	1	2	85
179592	5	0.8	18	1762	0.2	44	1	6	54
179593	5	0.4	2	313	0.2	29	1	6	68
179594	5	1.0	8	240	0.3	25	5	7	76
179595	5	0.2	5	154	0.2	25	2	6	58
179596	5	0.8	13	445	0.2	27	3	6	63
179597	5	0.4	2	291	0.2	35	1	2	73
179598	5	0.2	2	127	0.3	11	1	2	113
179599	5	1.2	2	242	1.2	23	3	7	54
179600	5	1.0	2	287	0.2	46	3	15	97

N

- Soil sample
- Silt sample
- × Rock sample
- Geological contact

0 100 200 300 400 500metres

SCALE 1:5000

REVISED Dec. 1991	GOLD PROPERTY
	Geology and Sample Locations
PROJ. No. 229	SURVEY BY:
N.T.S. 104G/2	DRAWN BY: (scan)/P.J.L.
	DATE: June 1991
	SCALE: 1 : 5,000
DWG. No. Fig. 3	NORANDA EXPLORATION OFFICE: PRINCE GEORGE B.C.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20400N
20200N
20000N
19800N
19600N
19400N
19200N
19000N
18800N
11000N
10900N
10800N
10700N
10600N
10500N
10400N
10300N
10200N
10100N
10000N
18000E
18200E
18400E
19000E
10640E
10880E
Gold 4
Gold 3
NORTH GRID
SOUTH GRID
2500
2000
3000
3500
4000
4500
5000

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,020

N

0 100 200 300 400 500metres
SCALE 1:5000

REVISED Dec. 1991	GOLD PROPERTY
	Soil Geochem Au ppb
PROJ. No. 229	SURVEY BY: _____ DATE: June 1991
N.T.S. 104G/2	DRAWN BY: (scan)/P.J.L. SCALE: 1 : 5,000
DWG. No. Fig 4	NORANDA EXPLORATION OFFICE: PRINCE GEORGE B.C.

20400N
20200N
20000N
19800N
19600N
19400N
19200N
19000N
18800N
11000N
10900N
10800N
10700N
10600N
10500N
10400N
10300N
10200N
10100N
10000N
18000E
18200E
18400E
19800E
10600E
10800E
2500
2000
Gold 4
Gold 3
2000
2500
3000
3500
4000
4500
5000
NORTH GRID
SOUTH GRID

N

0 100 200 300 400 500metres
SCALE 1:5000

REVISED Dec. 1991	GOLD PROPERTY
	Soil Geochem Ag ppm
PROJ. No. 229	SURVEY BY: DATE: June 1991
N.T.S. 104G/2	DRAWN BY: (scan)/P.J.L. SCALE: 1 : 5,000
DWG. No. Fig. 5	NORANDA EXPLORATION OFFICE: PRINCE GEORGE B.C.

20400N
20200N
20000N
19800N
19600N
19400N
19200N
19000N
18800N
11000N
10900N
10800N
10700N
10600N
10500N
10400N
10300N
10200N
10100N
10000N
18000E
18200E
18400E
19000E
10600E
10800E
2500
2000
2000
2500
3000
3500
4000
4500
5000
Gold 4
Gold 3
NORTH GRID
SOUTH GRID

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,020

N

0 100 200 300 400 500metres
SCALE 1:5000

REVISED Dec. 1991	GOLD PROPERTY
	Soil Geochem Cu ppm
PROJ. No. 229	SURVEY BY: DATE: June 1991
N.T.S. 104G/2	DRAWN BY: (scan)/P.J.L. SCALE 1 : 5,000
DWG. No. Fig. 6	NORANDA EXPLORATION OFFICE: PRINCE GEORGE B.C.

20400N
20200N
20000N
19800N
19600N
19400N
19200N
19000N
18800N
11000N
10900N
10800N
10700N
10600N
10500N
10400N
10300N
10200N
10100N
10000N
18000E
18200E
18400E
19000E
10600E
10800E
Gold 4
Gold 3
SOUTH GRID
NORTH GRID
2500
2000
3000
3500
4000
4500
5000

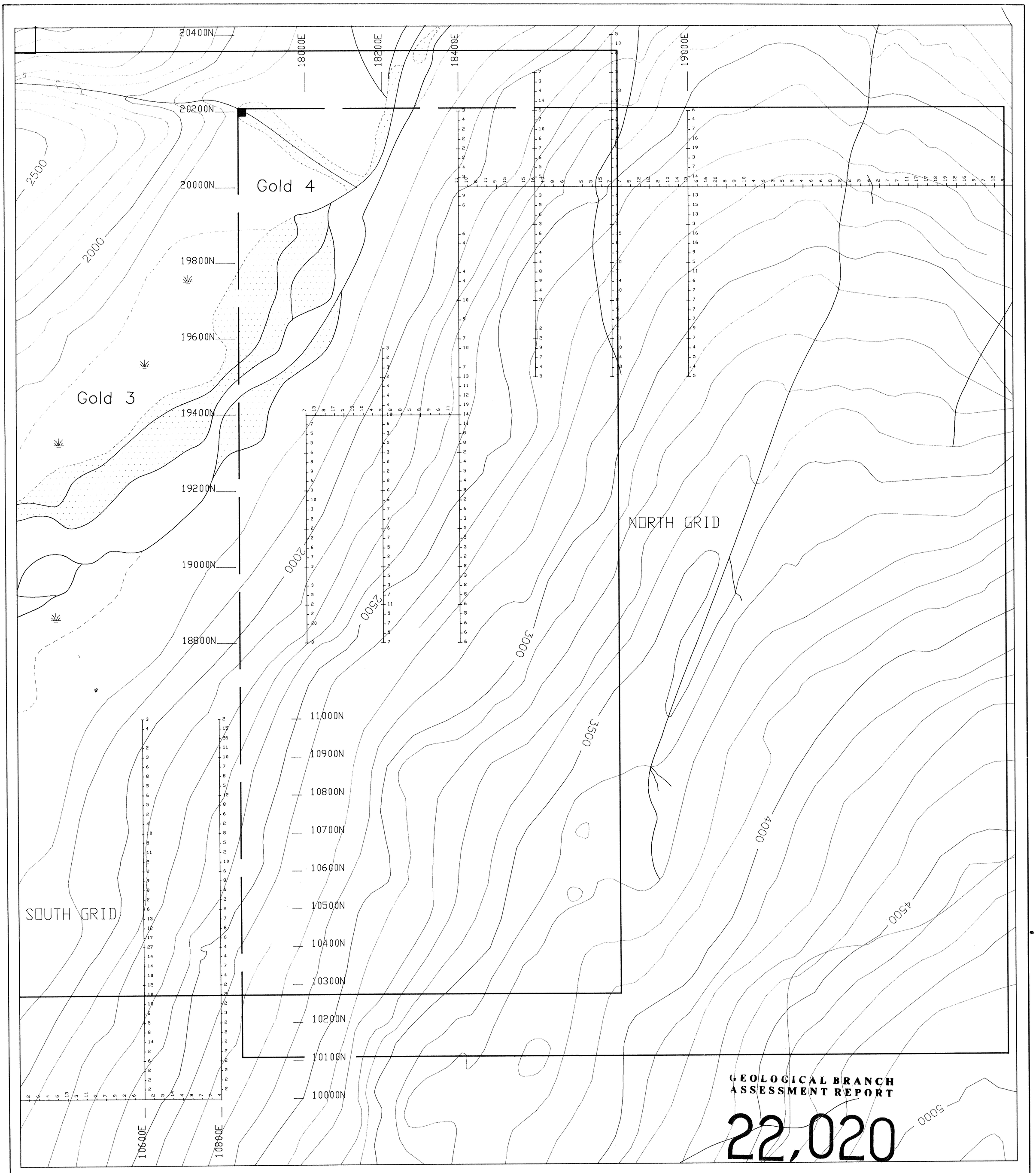
GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,020

N

0 100 200 300 400 500metres
SCALE 1:5000

REVISED Dec. 1991	GOLD PROPERTY
	Soil Geochem Zn ppm
PROJ. No. 229	SURVEY BY: (scan)/P.J.L. DATE: June 1991
N.T.S. 104G/2	DRAWN BY: SCALE: 1 : 5,000
DWG. No. Fig. 7	NORANDA EXPLORATION OFFICE: PRINCE GEORGE B.C.



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,020

N

0 100 200 300 400 500metres
SCALE 1:5000

REVISED Dec. 1991	GOLD PROPERTY
	Soil Geochem Pb ppm
PROJ. No. 229	SURVEY BY: (scan)/P.J.L. DATE: June 1991
N.T.S. 104G/2	DRAWN BY: SCALE: 1 : 5,000
DWG. No. Fig. 8	NORANDA EXPLORATION OFFICE: PRINCE GEORGE B.C.