

ARIS SUMMARY SHEET

District Geologist, Prince George

Off Confidential: 89.04.21

ASSESSMENT REPORT 17612

MINING DIVISION: Cariboo

PROPERTY: Dominion Creek
LOCATION: LAT 53 27 00 LONG 121 17 00
UTM 10 5923486 614003
NTS 093H06W
CLAIM(S): Dock 3, Dock 12, Dock 14a, Dock 15-16, Dock 18-19, LF 5-6
OPERATOR(S): Noranda Ex.
AUTHOR(S): Savell, M.J.
REPORT YEAR: 1988, 49 Pages

COMMODITIES
SEARCHED FOR: Gold

GEOLOGICAL
SUMMARY: The property lies in the Cariboo Mountains of the Omineca Belt, and is underlain by Upper Proterozoic to Cambrian continental margin sediments including quartzite, sandstone, siltstone, shale and limestone. During deformation, numerous quartz veins were emplaced in structural openings along bedding planes, foliation planes and cross-cutting faults.

WORK
DONE: Prospecting, Geological, Geochemical
GEOL 4500.0 ha
Map(s) - 1; Scale(s) - 1:25 000
HMIN 12 sample(s) ;AU,AG,CU,PB,ZN
PROS 4500.0 ha
ROCK 29 sample(s) ;AU,ME
SILT 17 sample(s) ;AU,ME
Map(s) - 1; Scale(s) - 1:25 000

RELATED
REPORTS: 16549,17599

LOG NO: 0722	RD.
ACTION:	
FILE NO:	

PROSPECTING, GEOLOGY & GEOCHEMICAL
REPORT ON THE
DOCK 3, 12, 14(A), 15, 16, 18, 19
LF 5, 6 MINERAL CLAIMS
Cariboo Mining Division
N.T.S. 93 H/06
NORANDA EXPLORATION COMPANY, LIMITED
(no personal liability)
by: Mike Savell June, 1988

FILMED

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,612

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SUMMARY:

The Docks 3, 12, 14(A), 15, 16, 18, 19 and LF 5, 6 (Dominion Creek - peripheral claims) mineral claims were staked by Noranda in March 1987 to secure the area adjacent to the Dominion Creek Property considered favorable for the occurrence of gold-silver-lead-zinc mineralized structures.

The property is underlain by Upper Proterozoic to Early Cambrian argillites, siltstones, limestones and quartzites. Quartz veins are found in all rock types but no economic mineralization was observed or detected. A stream sediment sampling survey failed to detect any significant, well-defined anomalies.

A detailed geological analysis of the mineralization on the AK claims is required to select areas on the peripheral claims worthy of detailed follow-up work. Landsat Imagery may also be useful in identifying targets.

INTRODUCTION:

The Dock 3, 12, 14(A), 15, 16, 18, 19 and LF 5 and 6 mineral claims were staked by Noranda in April, 1987 to secure ground peripheral to the main block of the Dominion Creek Property (AK I to IV, Dock 1, 2, 4-11, 14). The main block was staked in August and November, 1986 to secure ground on which Au, Ag, Pb, Zn and Cu mineralized quartz boulders were found.

This report describes the assessment work completed on the peripheral claims in 1987. All work was performed by employees of Noranda Exploration Company, Limited. The project is a joint venture of Noranda Exploration and Brenda Mines Ltd, and was undertaken as part of the "Cambrian Gold" regional exploration program.

The work has been compiled into a single report. Only those costs applicable to each group are reported in its cost statement (Appendix II). Data from the main block of claims is also included for compilation purposes.

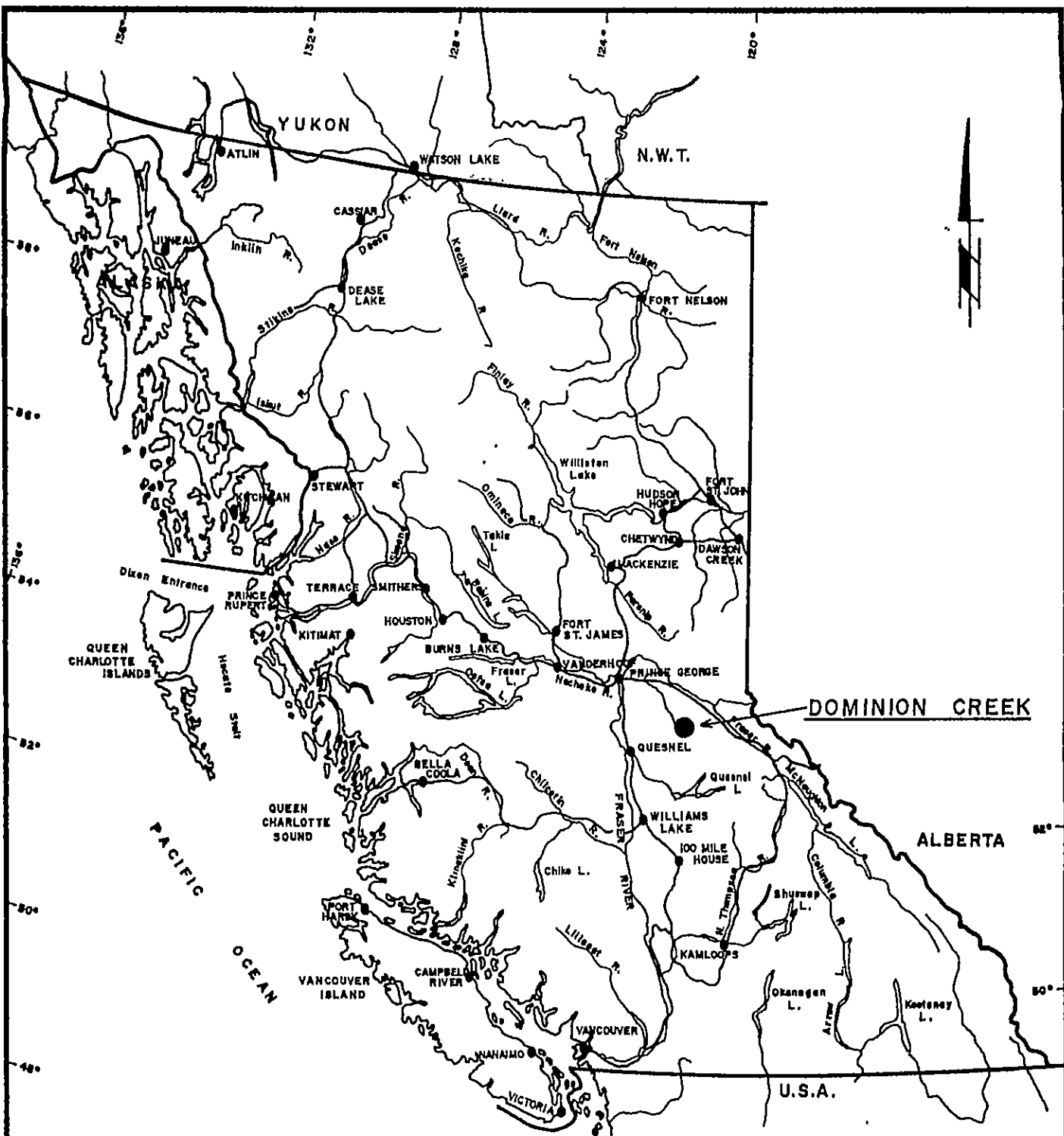
LOCATION AND ACCESS:

The property is located approximately 110 km east-southeast of Prince George and 43 km north-northwest of Wells, B. C. (Figure #1). The main block of claims are transected by the Hagen Forest Service road. The peripheral claims are reached by foot or by helicopter. For this program, a Bell 206 Jetranger chartered from Okanagan Helicopters of Prince George was used.

PHYSIOGRAPHY AND VEGETATION:

The claims lie within the Cariboo Mountains. Local terrane is hilly to mountainous and almost entirely forested. Relief ranges from about 3500 to 7000 feet.

Vegetation consists of mature white spruce and balsam fir. Extensive logging has recently been done in the lower valleys to remove insect infested timber. A moderately dense undergrowth of dwarf willows, huckleberry and devils club covers most of the property. Much of the north side of the Hagen Valley was burned in a fire in the early sixties, and is now covered by a thick matting of young spruce in which foot travel is difficult.



0 100 200 KILOMETRES
 SCALE 1:1,000,000

REVISED	DOMINION CREEK	
	LOCATION MAP	
PROJ. No. <u>290</u>	SURVEY BY: <u>MS</u>	DATE: <u>MAR 1988</u>
N.T.S. <u>93H6</u>	DRAWN BY: <u>S.K.B.</u>	SCALE: <u>1:1,000,000</u>
DWG. No.	NORANDA EXPLORATION	
1	OFFICE: <u>PRINCE GEORGE, B.C.</u>	

VANCAL 11827

CLAIM STATISTICS:

The peripheral claims to the Dominion Creek property comprise 4 blocks totaling 100 units of modified grid claims (Figure #2). Upon acceptance of this report, the claims will be in good standing until the indicated expiry date.

TABLE 1: Claim Statistics

<u>NAME</u>	<u>RECORD #</u>	<u>UNITS</u>	<u>RECORD DATE</u>	<u>EXPIRY DATE</u>
<u>DC 'E' GROUP:</u>				
Dock 14(A)	8375	20	April 22, 1987	April 22, 1989
Dock 15	8376	20	"	"
Dock 16	8377	20	"	"
Dock 18	8379	20	"	"
Dock 19	8380	20	"	"
Dock 3	8372	20	"	"
Dock 12	8373	20	"	"
LF 5	8385	20	"	"
LF 6	8386	20	"	"

PREVIOUS WORK:

There is no record of any previous exploration having been conducted in the area prior to staking in 1987. The above claims are accessible only by helicopter or by long transverse, which has discouraged prospecting. Work on the main block of the Dominion Creek Property (AK I to IV, DOCK 1, 2, 4-11 and 14) is documented in "Geological, Geophysical and Geochemical Report on the Dominion Creek Property" (Oct, 1987) and "Report of Diamond Drilling on the Dominion Creek Property" (Mar, 1988) submitted for assessment purposes.

REGIONAL GEOLOGY:

The property lies in the Cariboo mountains of the Omineca belt. The regional geology is comprised of Upper Proterozoic to Cambrian continental margin sediments including quartzite, sandstone, siltstone, shale and limestone. The area has been mapped at a scale of 1 inch to four kilometers (Map 1356A) and studied in Paper 72-35. Struik (1986) considers these rocks part of the Cariboo sub-terrane which is part of the Cassiar Terrane of displaced continental margin sediments.

These rocks have been grouped with the Upper Proterozoic Windermere tectonic assemblage, which consists of mainly clastic continental margin sediments and the Lower Cambrian Gog tectonic assemblage, which consists of rifted and passive continental

margin sediments. On the property only rocks of the Yankee Belle, Isaac and Cunningham Formations (Winderemere assemblage) are exposed.

The area has been deformed into a series of northwest plunging major fold structures. The northwest trending Isaac Lake Fault which roughly cuts through the center of the property separates the Isaac Lake Synclinorium to the east and the Lanezi Arch or Anticlinorium to the west. This deformational episode appears to have resulted in folding of deeper, older formations where as younger, high level formations display more fault dominated structures. This is probably a function of the physical characteristics (less competent shales at depth) or the rocks and the higher temperatures at depth. The rocks display low-grade metamorphic effects.

PROPERTY GEOLOGY:

The property is underlain by rocks of the Isaac, Cunningham and Yankee Belle Formations. Figure #3 shows the geological plan at 1:25,000 scale. The Isaac formation consists predominantly of dark grey to black, fine grained, finely laminated, fissile, phyllitic to slaty argillite. It is variably graphitic, calcareous and pyritic. Pyrite forms medium to coarse grained cubes with shadows of quartz or calcite. Lesser amounts of grey siltstone and quartzite are interbedded with the argillite. Grey to black, micritic limestone also forms a major component of the Isaac Formation, especially near the upper, gradational contact with the Cunningham Formation. This limestone may be finely interbedded with the argillite or form individual beds up to 25-30 meters thick, and increases in proportion upwards towards the Cunningham. The overlying Cunningham Formation consists of massive to faintly laminated, micritic to finely crystalline, medium grey limestone with minor interbeds of graphitic argillite.

The Yankee Belle Formation consists of pale green to grey green phyllite or phyllitic siltstone, alternating with minor sandstones. Contacts on the property are obscure. These rocks were formed in a variety of sedimentary environments.

In general, bedding attitudes are consistently northwest to west-northwest, and moderate to steeply dipping southwestward. A southeast plunging anticlinal axis was mapped on Dominion Creek near the east edge of the property. In the vicinity of the AK claims LCP, bedding trends have been shifted to an east-west orientation.

A major northwest trending fault cuts through the center of the property and is evidenced by topographic lineaments and abrupt lithological contracts. This structure is thought to be the extension of the Isaac Lake Fault and strikes at about 145 degrees. Several smaller faults trending at about 155 degrees

have been mapped and these are thought to be splays of the Isaac Lake Fault.

Several jointing sets were measured. One trends generally parallel to foliation, which is usually parallel to or nearly parallel to bedding. Another common set is generally perpendicular to foliation and dips steeply to the east. These fractures are generally filled with thin quartz or calcite stringers.

Several prominent lineaments have been mapped. The most prominent appears to be the Isaac Lake Fault, which trends northwest from the northeast corner of Isaac Lake to the Dock 18 claim and beyond the property boundaries. There are also several paralleling and sub-paralleling lineaments to the Isaac Lake Fault, which appear to be strike slip structures.

A second set of linears trends north-northwest and are most prominent in the area of the Dock 11 claim. These appear to crosscut bedding and truncate units. A third set trends north-northeast and may be related to a fracture pattern perpendicular to foliation.

An interesting arcuate feature is mapped on the Dock 9 claim which is readily visible on air photos. Perhaps this reflects a doming effect of a buried stock.

The only igneous rocks observed occur on the south end of the Dock 16 claim. These consist of two narrow, paralleling, dark green, very fine grained basaltic dykes. These dykes are perpendicular to bedding, and display a pinch and swell structure, ranging from 1 to 5 meters in thickness. There is an approximately 50 meter offset along a bedding plane fault. White quartz with minor disseminated pyrite fills tension gashes in the dykes, perpendicular to the walls.

PROSPECTING:

Prospecting the peripheral claims was limited to those areas with the best exposures - ridge tops and creek bottoms. The claims are heavily forested and suitable clearings for helicopter landings are few. A large burned area covered in thick, matted spruce trees on the Dock 10, 11 and 14A area makes traversing very slow and frustrating.

Unfortunately, no new showings were discovered in this program. Numerous quartz veins in outcrop and float were observed and sampled. Near the north end of the LF 6 claim, several quartz veins cutting limestones were observed. These were up to 0.4 meters wide, milky white with minor brown weathered ankerite. Similar veins were observed in phyllite of the Yankee Belle Formation. Several large quartz boulders up to 1x1x2 meters were seen on the west facing slope on the north

central part of the LF 6 claim. On the LF 5 claim, scattered quartz boulders were observed in a prominent gully manifested by the Isaac Lake Fault. Immediately north of the LF 5 claim, several float boulders of quartz near the trace of the Isaac Lake Fault were sampled.

On the ridge along Clear Mountain (east of Dock 3) several steep dipping quartz veins of variable strike were observed. These are up to 2 meters wide, and contain minor limonite and sericite. These are hosted by re-crystallized, limonite stained carbonates and siltstones.

Immediately east of the Dock 15 claim, numerous large boulders (up to 2 meters in diameter) of milky white quartz were found. This quartz contains fragments of brecciated, silicified sediment host rock, a feature also observed in the mineralized zones on the AK I claim (see DDH report).

On the Dock 16 claims, several areas containing scattered quartz boulders obviously close to bedrock source were sampled. The resistant and unfractured nature of the quartz allows it to break off in large chunks during weathering processes, which tend to stand out well in the overburden or felsenmeer.

Also on the Dock 16 claims, quartz veins were observed in basaltic dykes as previously described. These veins appear to fill tension gashes perpendicular to the walls of the dyke, possibly a feature developed during cooling. The veins are up to 30 cm wide and several meters long and ankeritic.

Geochem analyses were performed on chip samples collected during prospecting. Sample locations are plotted on Figure 2, and analytical results listed in Appendix VI. No significant results were obtained.

GEOCHEMISTRY:

A stream sediment survey was undertaken to define areas with good potential for mineralization and worthy of detailed grid soil sampling. Sample locations are shown on Figure #2 and analytical results in Appendix IV and V. Silt samples were collected from the active stream channel, placed in high wet strength, Kraft paper envelopes and shipped to Vancouver, B.C. where they were analyzed by the methods described in Appendix III. Heavy mineral concentrates were obtained from 20 l gravel samples collected from upstream ends of gravel bars. The sample is wet sieved through a 2mm screen, then panned using a steel cone or batea. The panned heavy mineral concentrate (20 to 40 grams) is shipped to Vancouver and analyzed as described in Appendix III.

Analytical results for samples collected on the peripheral claim blocks are generally discouraging. All values fall within expected background ranges except for sample # 18195. This heavy mineral concentrate contained 20,000 ppb Au and was collected in Hagger Creek, upstream of the junction with Dominion Creek on the Dock 12 claim. This suggests other sources of gold somewhere in the headwaters of Hagger Creek, a large area difficult to access.

CONCLUSIONS:

Quartz veining is common throughout all lithologies in the area, however, veins containing significant concentrations of gold, silver, lead and zinc are rare. Specific controls may include host lithology, cross cutting structural features, distance from Isaac Lake fault or splays and location of possible buried stocks.

Regional prospecting and stream sediment sampling is successful in locating areas of potential Dominion Creek type mineralization, but specific targets are best developed by grid soil sampling or intense prospecting/stream sediment sampling over selected locations.

RECOMMENDATIONS:

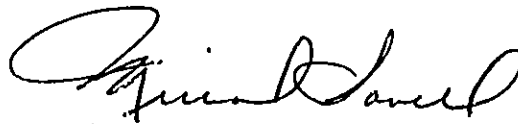
A detailed geological analysis of the mineralized zones on the AK I and II claims is required to develop a model to guide exploration and define targets on the peripheral claims. An analysis of landsat imagery would be useful in defining interesting structures. These target areas should be followed up with grid soil sampling and intense prospecting and stream sediment sampling.

APPENDIX I

STATEMENT OF QUALIFICATIONS

I, Michael J. Savell of the City of Prince George, Province of British Columbia, do certify that:

1. I am a geologist residing at 3507 Rosia Road, Prince George, British Columbia.
2. I am a graduate of Dalhousie University with a Bachelor of Science (Honors) in Geology. (1980)
3. I am a member in good standing of the Geological Association of Canada, Canadian Institute of Mining, Prospector's and Developer's Association and the B.C.-Yukon Chamber of Mines.
4. I presently hold the position of Project Geologist with Noranda Exploration Company, Limited and have been in their employ since 1980.



Michael J. Savell
Geologist
Noranda Exploration Company, Limited
(No Personal Liability)

APPENDIX IIa

STATEMENT OF COST

PROJECT - DOMINION CREEK - DC "E" GROUP
(DOCK 14(A), 15, 16, 18, 19

JUNE, 1988

TYPE OF REPORT - GEOLOGICAL, PROSPECTING, GEOCHEMICAL

a)	WAGES:		
	No. of days - 23		
	Rate per day - \$150.00		
	Dates from - May 1, 1987 - April 1, 1988		
	Total Wages:		\$ 3,450.00
b)	FOOD & ACCOMMODATION:		
	No. of days - 23		
	Rate per day - \$50.00		
	Dates from - May 1, 1987 - April 1, 1988		
	Total Cost:		\$ 1,150.00
c)	TRANSPORTATION:		
	No. of days - 23		
	Rate per day - \$135.00		
	Dates from - May 1, 1987 - April 1, 1988		
	Total Cost:		\$ 3,105.00
d)	EQUIPMENT, SUPPLIES, RENTALS, REPAIRS:		
	Total Cost:		\$ 230.00
e)	ANALYSIS:		
	6 pan conc - Au, Ag, Pb, Zn, Cu		
	@ \$7.40/sample	\$44.40	
	8 rocks, silts for 30 element ICP		
	& Au geochem @ \$14.00/sample	\$112.00	
	Total Cost:		\$ 156.40
f)	COST OF REPORT PREPARATION:		
	Author	\$100.00	
	Drafting	\$100.00	
	Typing	\$ 25.00	
	Total Cost:		\$ <u>225.00</u>
	TOTAL COST		\$ 8,316.40

APPENDIX IIb

STATEMENT OF COST

PROJECT - DOMINION CREEK - DOCK 3

JUNE, 1988

TYPE OF REPORT - GEOLOGICAL, PROSPECTING, GEOCHEMICAL

a)	WAGES:		
	No. of days - 3		
	Rate per day - \$150.00		
	Dates from - May 1, 1987 - April 1, 1988		
	Total Wages:	\$	450.00
b)	FOOD & ACCOMMODATION:		
	No. of days - 3		
	Rate per day - \$50.00		
	Dates from - May 1, 1987 - April 1, 1988		
	Total Cost:	\$	150.00
c)	TRANSPORTATION:		
	No. of days - 3		
	Rate per day - \$135.00		
	Dates from - May 1, 1987 - April 1, 1988		
	Total Cost:	\$	405.00
d)	EQUIPMENT, SUPPLIES, RENTALS, REPAIRS:		
	Total Cost:	\$	175.00
e)	ANALYSIS:		
	14 rocks, silts for 30 element ICP		
	and Au geochem @ \$14.00/sample		
	Total Cost:	\$	196.00
g)	COST OF REPORT PREPARATION:		
	Author \$100.00		
	Drafting \$100.00		
	Typing \$ 25.00		
	Total Cost:	\$	<u>225.00</u>
	TOTAL COST	\$	1,601.00

APPENDIX IIc

STATEMENT OF COST

PROJECT - DOMINION CREEK - DOCK 12

JUNE, 1988

TYPE OF REPORT - GEOLOGICAL, PROSPECTING, GEOCHEMICAL

a)	WAGES:		
	No. of days - 3		
	Rate per day - \$150.00		
	Dates from - May 1, 1987 - April 1, 1988		
	Total Wages:		\$ 450.00
b)	FOOD & ACCOMMODATION:		
	No. of days - 3		
	Rate per day - \$50.00		
	Dates from - May 1, 1987 - April 1, 1988		
	Total Cost:		\$ 150.00
c)	TRANSPORTATION:		
	No. of days - 3		
	Rate per day - \$135.00		
	Dates from - May 1, 1987 - April 1, 1988		
	Total Cost:		\$ 405.00
d)	EQUIPMENT, SUPPLIES, RENTALS, REPAIRS:		
	Total Cost:		\$ 205.00
e)	ANALYSIS:		
	3 pan conc-Au, Ag, Pb, Zn, Cu		
	@ \$7.40/sample	\$ 22.20	
	8 rocks, silts for 30 element		
	ICP & Au geochem @ \$14.00/		
	sample	\$112.00	
	Total Cost:		\$ 134.20
f)	COST OF REPORT PREPARATION:		
	Author	\$100.00	
	Drafting	\$100.00	
	Typing	\$ 25.00	
	Total Cost:		\$ <u>225.00</u>
	TOTAL COST:		\$ 1,569.20

APPENDIX II d

STATEMENT OF COST

PROJECT - DOMINION CREEK - LF 5, 6

JUNE, 1988

TYPE OF REPORT - GEOLOGICAL, PROSPECTING, GEOCHEMICAL

a) WAGES:
No. of days - 9
Rate per day - \$150.00
Dates from - May 1, 1987 - April 1, 1988
Total Wages: \$ 1,350.00

b) FOOD & ACCOMMODATION:
No. of days - 9
Rate per day - \$50.00
Dates from - May 1, 1987 - April 1, 1988
Total Cost: \$ 450.00

c) TRANSPORTATION:
No. of days - 9
Rate per day - \$135.00
Dates from - May 1, 1987 - April 1, 1988
Total Cost: \$ 1,215.00

d) EQUIPMENT, SUPPLIES, RENTALS, REPAIRS:
Total Cost: \$ 125.00

e) ANALYSIS:
3 pan conc-Au, Ag, Pb, Zn, Cu @
\$7.40/sample \$ 22.20
16 rocks, silts for 30 element ICP
& Au geochem @ \$14.00/sample \$224.00
Total Cost: \$ 246.20

f) COST OF REPORT PREPARATION:
Author \$100.00
Drafting \$100.00
Typing \$ 25.00
Total Cost: \$ 225.00

TOTAL COST: 3,611.20

APPENDIX III

ANALYTICAL METHOD DESCRIPTIONS FOR GEOCHEMICAL ASSESSMENT REPORTS

Revised:01/86

The methods listed are presently applied to analyse geological materials by the Noranda Geochemical Laboratory at Vancouver. (March, 1984)

Preparation of Samples

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

Rock specimens are pulverized to -120 mesh (0.13 mm). Heavy mineral fractions (panned samples) are analysed in its entirety, when it is to be determined for gold without further sample preparation. See addendum.

Analysis of Samples.

Decomposition of a 0.200 g sample is done with concentrated perchloric and nitric acid (3:1), digested for 5 hours at reflux temperature. Pulps of rock or core are weighed out at 0.2 g or less depending on the matrix of the rock, and twice as much acid is used for decomposition than that is used for silt or soil.

The concentrations of Ag, Cd, Co, Cu, Fe, Mn, Mo, Ni, Pb, V and Zn (all the group A elements of the fee schedule) can be determined directly from the digest (dissolution) with an atomic absorption spectrometer (AA). A Varian-Techtron Model AA-5 or Model AA-475 is used to measure elemental concentrations.

Elements Requiring Specific Decomposition Method

Antimony - Sb: 0.2 g sample is attacked with 3.3 mL of 6% tartaric acid, 1.5 mL conc. hydrochloric acid and 0.5 mL of conc. nitric acid, then heated in a water bath for 3 hours at 95° C. Sb is determined directly from the acid solution with an AA-475 equipped with electrodeless discharge lamp (EDL).

Arsenic - As: 0.2 - 0.4 g sample is digested with 1.5 mL of 70 % perchloric acid and 0.5 mL of conc. nitric acid. A Varian AA-475 equipped with an As-EDL measures the arsenic concentration of the digest.

Barium - Ba: 0.1 g sample is decomposed with conc. perchloric, nitric and hydrofluoric acid. Atomic absorption using a nitrous oxide-acetylene flame determines Ba from the aqueous solution.

Bismuth - Bi: 0.2 g - 0.3 g is digested with 2.0 ml of perchloric 70% and 1.0 ml of conc. nitric acid. Bismuth is determined directly from the digest into the flame of the AA instrument c/w EDL.

Gold - Au: 10.0 g sample (Pan-concentrates see below) is digested with aqua regia (1 part nitric and 3 parts hydrochloric acid). Gold is extracted with Methyl iso-Butyl ketone (MIBK) from the aqueous solution. Gold is determined from the MIBK solution with flame AA.

Magnesium - Mg: 0.05 - 0.10 g sample is digested with 4 ml perchloric/nitric acid (3:1). An aliquot is taken to reduce the concentration to within the range of atomic absorption. The AA-475 with a nitrous oxide flame determines Mg from the aqueous solution.

Tungsten - W: 1.0 g sample sintered with a carbonate flux and thereafter leached with water. The leachate is treated with potassium thiocyanate. The yellow tungsten thiocyanate is extracted into tri-n-butyl phosphate. This permits colourimetric comparison with standards to measure tungsten concentration.

Uranium - U: An aliquot, taken from a perchloric-nitric (3:1) decomposition, usually from the multi-element digestion, is diluted with water and a phosphate buffer. This solution is exposed to laser light, and the luminescence of the uranyl ion is quantitatively measured on the UA-3 (Scintrex).

LOWEST VALUES REPORTED IN PPM

Ag - 0.2	Mn - 20	Zn - 1	Au - 0.01 (10PPB)
Cd - 0.2	Mo - 1	Sb - 1	W - 2
Co - 1	Ni - 1	As - 1	U - 0.1
Cu - 1	Pb - 1	Ba - 10	
Fe - 100	V - 10	Bi - 1	

APPENDIX IV

ANALYTICAL RESULTS - SILTS

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: DOMINION CK.

CODE : 8611-038

Project No. : 280 Sheet: 1 of 1 Date rec'd: NOV.10
 Material : SILT Geol.: M.S. Date compl: NOV.18
 Remarks : SILT Follow-up: Sb results.

Values in PPM, except where noted.

T.T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	Sb	PPB Au
----------	------------	----	----	----	----	----	--------

XXXXXXXXXXXX

80	17132 SILT	18	54	14	0.2	1	10
81	17133	18	90	24	0.2	6	10
82	17136	16	80	18	0.2	2	10
83	17137	12	94	16	0.2	2	10
84	82001	16	96	16	0.2	1	10
85	82002	14	110	18	0.2	1	10
86	87105	12	110	14	0.2	2	10
87	97313	14	98	20	0.2	1	10
88	98547	16	98	22	0.2	1	10
89	98548	16	90	20	0.2	1	10
90	98549	12	100	14	0.2	1	10
91	98706	24	140	20	0.2	4	10
92	99110	20	110	22	0.2	2	10
93	99111	20	100	18	0.2	6	10
94	99112	36	100	30	0.2	4	10
95	99113	18	88	14	0.2	2	10
96	99114 SILT	18	94	14	0.2	4	10

2/12/86 RG DP

Domination Co (INC)

8709-065

ACME ANALYTICAL LABORATORIES 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH JML 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 CA P LA CR HG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: SILT AU: ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 14 1987 DATE REPORT MAILED: *Sept 28/87* ASSAYER: *D. Joyce* DEAN TOYE. CERTIFIED B.C. ASSAYER

NORANDA EXPLORATION (VAN) PROJECT-8709-065 280 File # 87-4197

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W	AU:
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
18182	1	13	12	71	.1	18	9	468	3.17	6	5	ND	4	532	1	2	2	6	8.88	.022	17	17	.67	23	.01	2	1.39	.01	.06	1	2
18184	1	11	9	58	.1	14	8	377	2.83	4	5	ND	4	701	1	2	2	7	13.08	.020	15	14	.65	19	.01	4	1.27	.01	.08	1	2
18185	1	12	8	84	.1	21	9	540	3.14	5	5	ND	3	63	1	2	2	10	.62	.054	24	20	.37	39	.01	2	1.16	.01	.08	1	1
18186	1	19	16	75	.2	25	12	436	3.78	5	5	ND	7	378	1	2	2	8	4.58	.030	23	18	.66	25	.01	2	1.48	.01	.08	1	20
18196	1	13	9	52	.2	21	9	284	2.92	7	5	ND	4	225	1	2	2	8	3.86	.041	26	14	.49	24	.01	2	.99	.01	.08	1	1
18197	1	20	16	74	.1	28	13	498	3.90	9	5	ND	9	60	1	2	2	14	.60	.042	37	17	.49	40	.01	2	1.27	.01	.09	1	1
18198	1	12	7	62	.1	24	9	561	3.40	5	5	ND	8	30	1	2	2	9	.24	.044	45	16	.57	32	.01	3	1.18	.01	.10	1	1
18199	1	14	9	49	.1	20	8	373	2.69	7	5	ND	4	357	1	2	2	8	7.11	.031	20	10	.36	31	.01	2	.80	.01	.09	1	1

RECEIVED
OCT - 6 1987
LABORATORY

cc: Mike
file: 280
file

	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUX	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
86084	1	19	15	70	.1	21	10	499	2.89	2	5	ND	4	42	1	2	2	11	.73	.061	22	21	.44	93	.01	5	1.23	.01	.08	1	1
86086	1	33	24	82	.1	24	11	1024	4.01	6	5	ND	4	159	1	2	2	15	3.04	.076	21	24	.74	141	.01	5	1.43	.01	.04	1	1
86088	1	28	17	102	.1	30	13	809	3.93	5	5	ND	8	128	1	2	2	17	2.07	.078	17	27	1.04	141	.01	4	1.90	.01	.10	1	1

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: DOMINION LK

CODE : 8608-066

Project No. : 240-A4
 Material : SILT/RX
 Remarks :

Sheet: 1 of 1
 Geol.: RM

Date rec'd: AUG 12
 Date compl: AUG 19

Values in PPM, except where noted.

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	As	Mo	PPB Au
127	SILT 82492	25	110	22	0.2	48	2	10
128-	82493	16	70	16	0.2	22	2	10
129-	82494	20	84	14	0.2	16	2	I.S.
130	96229	20	76	20	0.2	16	2	10
131-	96136	24	62	42	0.2	56	2	10
132-	96137	36	76	14	0.2	40	2	10
133	96138	16	80	140	0.8	48	2	10
134-	96230	10	34	22	0.2	46	2	10
135-	96232	14	120	10	0.2	58	2	10
136-	SILT 96233	18	70	8	0.2	44	2	10

NORANDA VANCOUVER LABORATORY

RECEIVED
DEC 1 1986
RESULTS

PROPERTY/LOCATION: DOMINION CK.

CODE : 8601016
Date rec'd: SEP 24
Date compl: OCT. 01

Project No. : 280 Sheet: 1 of 1
Material : SILT & PAN Geol.: M.S.
Remarks :

Values in PPM, except where noted.

. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	PPB		Office Copy
						Au		
59	SILT 98731	22	160	18	0.2	10		RECEIVED DEC 1 1986 RESULTS Copy to Mike Dec 1/86
50	98732	18	110	10	0.2	10		
51	98733	20	96	16	0.2	10		
52	98734	18	120	14	0.2	10		
53	98735	18	66	10	0.2	10		
54	98736	16	100	12	0.2	10		
55	98737	12	98	8	0.2	10		
56	98738	30	130	26	0.2	10		
57	98670	18	78	12	0.2	10		
58	98670 DUP	20	80	12	0.2	10		
59	98672	22	90	12	0.2	10		
70	98673	22	82	10	0.4	10		
71	98674	20	74	12	0.2	10		
72	98675	16	84	10	0.2	10		
73	98701	18	120	14	0.2	10		
74	98702	14	78	12	0.2	10		
75	98703	12	90	12	0.2	10		
76	98739	14	100	12	0.2	10		
77	98624	14	94	18	0.2	10		
78	98626	12	80	10	0.2	10		
79	SILT 98627	20	100	30	0.2	10		

Dominion (MS)

8707-024

ACME ANALYTICAL LABORATORIES

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.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 NH FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: SILT - BOXESH AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

P-20 MESH & PULVERIZED

DATE RECEIVED: JULY 2 1987

DATE REPORT MAILED: July 7/87

ASSAYER: D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

NORANDA EXPLORATION (VAN) PROJECT-8707-024/280 File # 87-2163

Table with columns: SAMPLE#, NO, CU, PB, ZN, AG, NI, CO, MN, FE, AS, U, AU, TH, SR, CD, SB, BI, V, CA, P, LA, CR, MG, BA, TI, B, AL, NA, K, W, AU, and AUC. Rows include sample numbers like 77676 P, 77678, 77680 P, etc., with corresponding analytical values.

ORIGINAL

cc: Mike
file: Dominion ✓

RECEIVED
JUL 14 1987

13/2/87

ACME ANALYTICAL LABORATORIES

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1

GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR HG BA-TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SILT -NO MESH AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUL 24 1987

DATE REPORT MAILED: July 30/87

ASSAYER: D. J. DEAN TOYE, CERTIFIED B.C. ASSAYER

NORANDA EXPLORATION (VAN) PROJECT-8707-101 280 File # 87-2667

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	ED 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	HG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AUX PPM
77504	1	27	38	104	.1	36	14	691	4.93	18	5	ND	15	53	1	5	2	7	.39	.038	31	7	.33	19	.01	2	.78	.01	.03	1	6
77505	1	20	22	89	.2	29	13	842	4.22	13	5	ND	12	90	1	2	2	7	.79	.054	27	15	.27	24	.01	2	.73	.01	.05	1	1
77506	1	23	32	107	.1	29	12	615	4.04	13	5	ND	12	73	1	2	3	7	.93	.062	32	7	.23	27	.01	3	.69	.01	.03	1	1
77507	1	26	31	115	.5	35	14	754	5.75	89	5	ND	10	75	1	10	2	10	.60	.062	22	10	.15	39	.01	4	.67	.01	.05	1	4
77711	1	27	33	96	.1	31	13	398	4.15	68	5	ND	7	353	1	2	3	12	10.90	.031	11	20	.55	18	.01	2	.74	.19	.04	1	13
77714	1	17	27	83	.3	25	10	472	3.19	24	5	ND	10	154	1	3	3	8	2.40	.042	22	10	.22	30	.01	4	.63	.01	.05	1	4
77717	1	22	24	100	.1	34	14	630	4.37	20	5	ND	14	56	1	2	3	10	.35	.044	36	18	.34	27	.01	2	.95	.01	.04	1	11
89926	1	23	37	108	.1	35	13	603	4.41	17	5	ND	15	129	1	2	2	9	1.33	.037	29	20	.53	23	.01	2	1.05	.01	.04	1	1
89927	1	31	28	121	.3	42	16	571	4.74	13	5	ND	21	124	1	7	2	11	.95	.040	38	23	.56	29	.01	2	1.22	.01	.04	1	3
89928	1	37	38	123	.1	51	18	897	5.28	20	5	ND	23	48	1	2	2	12	.26	.039	48	25	.81	27	.01	2	1.44	.01	.05	1	2
STD C/AU-S	20	62	40	132	7.3	71	28	1023	3.97	41	18	8	39	51	20	18	18	60	.49	.095	38	60	.89	181	.09	35	1.86	.06	.13	12	47

Dominion (MS)

8708-095

ACME ANALYTICAL LABORATORIES

B52 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: SILT AU: ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 21 1987 DATE REPORT MAILED: Aug 28/87 ASSAYER: D. Jeps. DEAN TOYE, CERTIFIED B.C. ASSAYER

NORANDA EXPLORATION (VAN) PROJECT-8708-095 280 File # 87-3511

Table with columns: SAMPLE#, NO, CU, PB, ZN, AG, NI, CO, MN, FE, AS, U, AU, TH, SR, CD, SB, BI, V, CA, P, LA, CR, MG, BA, TI, B, AL, NA, K, W, AU, and units (PPM, %). Rows include sample numbers 77742 through 89882 and a STD C/AU-S row.

cc: Mike
file: D.C. 280
file

RECEIVED
SEP - 1 1987

Cambran Au (MS)

10-10-87

ACME ANALYTICAL LABORATORIES

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.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 NM FE CA P LA CR HG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: SILT AU: ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 21 1987

DATE REPORT MAILED: *Sept 29/87*

ASSAYER: *D. Toye*...DEAN TOYE, CERTIFIED B.C. ASSAYER

NORANDA EXPLORATION (VAN) PROJECT-8709-077 274 File # 87-4354

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W	AU*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	Z	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	Z	Z	PPM	PPM	Z	PPM	Z	Z	Z	Z	PPM	PPM	
77511	1	12	16	94	.1	19	10	687	3.96	9	5	ND	6	44	1	2	3	5	.29	.037	16	3	.11	56	.01	2	.44	.02	.05	1	2
77512	1	21	17	89	.2	29	13	505	3.81	7	5	ND	12	135	1	2	2	9	1.82	.042	31	18	.85	25	.01	4	1.21	.03	.06	1	1
77513	1	32	21	91	.2	45	18	459	5.36	15	5	ND	12	35	1	3	3	7	.43	.038	25	17	.33	27	.01	3	.70	.02	.11	2	1
77514	1	26	17	105	.3	35	13	576	4.42	19	5	ND	12	30	1	5	3	7	.32	.033	26	15	.36	26	.01	2	.78	.03	.11	1	1
77515	1	23	18	86	.3	35	14	558	4.31	4	5	ND	17	35	1	2	2	9	.33	.030	50	25	.85	28	.01	2	1.58	.02	.11	1	1
77516	1	14	13	84	.4	28	10	477	3.56	2	5	ND	12	150	1	5	2	14	2.14	.057	32	23	.83	87	.01	2	1.50	.03	.11	1	1
77517	1	15	10	85	.2	27	10	450	3.79	2	6	ND	11	242	1	2	2	11	3.82	.030	33	24	.99	39	.01	2	1.81	.03	.12	1	2
77518	1	14	12	85	.2	27	10	401	3.67	4	5	ND	12	98	1	2	2	14	1.30	.052	32	21	.85	79	.01	2	1.54	.03	.09	1	1
STD C/AU-S	18	58	38	132	7.3	67	27	1022	3.75	38	20	7	38	50	18	17	23	57	.45	.085	38	58	.85	178	.08	36	1.76	.08	.13	13	49

P-20 MESH, PULVERIZED

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OCT - 1 1987
REGISTERED

cc: Mike
file: 274

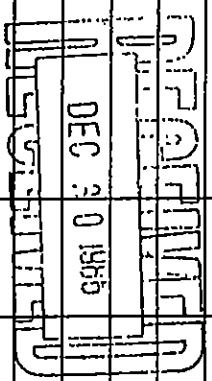
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NORANDA GEOCHEM LABORATORY

K05 280

LOCATION: Dominion de PROJECT: 280 COLLECTOR: MS DATE RECEIVED: Dec / 15 / 86 CODE: 8612-030
 MATERIAL: SLS REMARKS: Cu Pb Zn Mo As Selection from ANALYST: MM/LL/108
0.25 / 2 and Hella. HNO₃ -> Sand DATE ANALYSED: Dec. / 17 / 86 ANALYST: MM/LL/108
10 g / Aqua regia. MWK / 44

TR. NO.	SAMPLE NO.	Cu	Zn	Pb	Ag	Mo	As	Sb	Au
	98711	14	84	10	0.2	1	6	2	10
	98712	16	88	12	0.2	1	8	2	10
	98713	14	88	14	0.2	1	8	1	30
	98714	24	100	16	0.2	1	10	2	10



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APPENDIX V

ANALYTICAL RESULTS - HEAVY MINERAL CONCENTRATES

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: DOMINION CK.

CODE : 8709-065

Project No. : 280
 Material : 9 PANS
 Remarks :

Sheet: 1 of 1
 Geol.: M.S.

Date rec'd: SEP. 11
 Date compl: SEP. 18

Values in PPM, except where noted.

R.T. No.	SAMPLE No.	Sample wt. (g)	PPB Au	Cu	Zn	Pb	Ag
2	18188	30.2	1400	190	140	180	2.4
3	18189	31.8	20	60	110	120	0.4
4	18190	36.1	3500	110	140	290	18.0
5	18191	38.2	7500	98	240	390	1.8
6	18192	28.4	10	72	120	62	0.2
7	18193	32.6	10	52	85	52	0.2
8	18194	28.4	20	120	110	95	0.4
9	18195	37.8	20000	82	84	76	1.2
10	18200	11.1	20	2	26	2	0.2

RECEIVED
 SEP 25 1987
 RESOLVED

Silt to follow

cc: Mike
 file: Dominion

file

1/2 NIS for

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: DOMINION CK

CODE : 8707-010

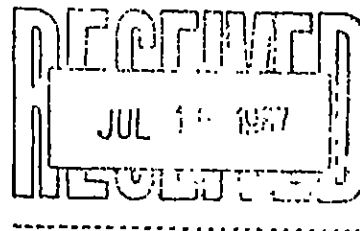
Project No. : 280 Sheet: 1 of 1 Date rec'd: JUN.25
 Material : 5 PAN-CON Geol.: M.S. Date compl: JUL.10
 Remarks :

Values in PPM, except where noted.

.T. o.	SAMPLE No.	SAMPLE wt(g)	PPB Au	Cu	Zn	Pb	Ag
49	PAN 77701	48.4	10	40	76	20	0.8
52	88641	30.9	10	66	140	54	0.2
53	88645	58.2	10	80	130	60	0.2
54	88649	50.4	10	90	120	70	0.4
55	PAN 95073	58.8	10	98	140	130	0.4

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

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



*cc: V. W. W. L. K. E.
 file: Dominion*

ORIGINAL

1517 MS 6P

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: CAMBRIAN

CODE : 8710-069

Project No.
Material
Remarks

: 274
: 61 PANS
:

Sheet: 1 of 2
Geol.: M.S.

Date rec'd: OCT. 21
Date compl: NOV. 05

Values in PPM, except where noted.

T.	SAMPLE No.	Sample wt. (g)	PPB Au	Cu	Zn	Pb	Ag
----	------------	----------------	--------	----	----	----	----

45	86085	16.0	10	22	46	6	0.2
46	86087	25.8	10	56	66	14	0.2
47	86089	29.8	10	22	84	12	0.2
48	86090	33.4	10	26	80	10	0.2

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: CAMBRIAN Au

CODE : 8709-077

Project No. : 274
 Material : 16 PANS
 Remarks :

Sheet: 1 of 1
 Geol.: M. S.

Date rec'd: SEP. 16
 Date compl: SEP. 23

Values in PPM, except where noted.

.T. No.	SAMPLE No.	SAMPLE wt. (g)	PPB Au	Cu	Zn	Pb	Ag	
2	PAN	89883	42.0	10	170	66	92	0.4
3		89884	46.9	40	140	140	98	0.4
4		89885	19.4	20	120	110	88	0.6
5		89886	28.2	10	200	110	130	0.4
6		89887	23.5	10	26	36	6	0.2
7		89888	17.5	10	14	52	4	0.2
8		89889	26.1	10	20	78	1	0.2
9		89890	15.7	20	10	80	2	0.2
10		89891	18.1	10	28	64	10	0.2
11		89892	42.5	10	52	78	26	0.2
12		89893	22.1	10	18	78	8	0.2
13		89894	34.4	10	30	120	14	0.2
14		89895	18.1	10	54	80	8	0.2
15		89896	22.4	10	10	100	4	0.2
16		89897	29.2	10	32	52	20	0.2
17	PAN	89898	28.6	10	48	84	40	0.2

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

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

APPENDIX VI

ANALYTICAL RESULTS - ROCKS

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: DOMINION LK

CODE : 8608-066

Project No. : 240-A4
 Material : SILT/RX
 Remarks :

Sheet: 1 of 1
 Geol.: RM

Date rec'd: AUG 12
 Date compl: AUG 19

Values in PPM, except where noted.

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	As	Mo	PPB Au
137-	RX 82495	8	32	44	0.2	2	-	20
138	82496	8	32	2	0.2	8	-	10
139	82497	280	32000	6000	28.0	220	-	23000
140	82498	720	2000	18000	60.0	160	-	28000
141-	82499	8	80	64	0.6	2	-	70
142-	82500	86	8600	10000	17.0	80	-	4800
143-	96226	8	56	72	0.4	4	-	10
144-	RX 96227	100	5000	17000	25.0	44	-	20000

RECEIVED
 AUG 25 1986
 DISPOSED



8610-002

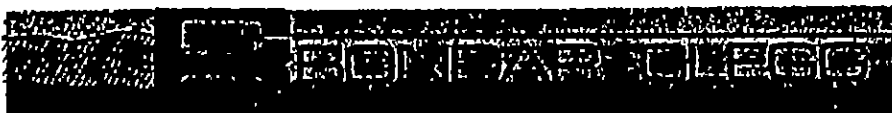
REPORT: 226-4921

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Ag PPM	Au PPB
P4 98-625		35	3.1	150
P4 98-669		23	0.8	45
P4 98-671		47	0.7	130
P4 98-689		400	21.0	>10000
P4 98-690		46	1.2	1050
P4 98-691		13	0.3	200
P4 98-692		20	<0.2	460
P4 98-693		23	<0.2	280
P4 98-694		11	<0.2	20
P4 98-695		12	<0.2	15
P4 98-696		20	0.2	90
P4 98-697		10	<0.2	65
PA 98-730		10	<0.2	90

Bondar-Clay & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2T5
Phone: (604) 985-0661
Telex: 04-352667



Certificate
of Analysis

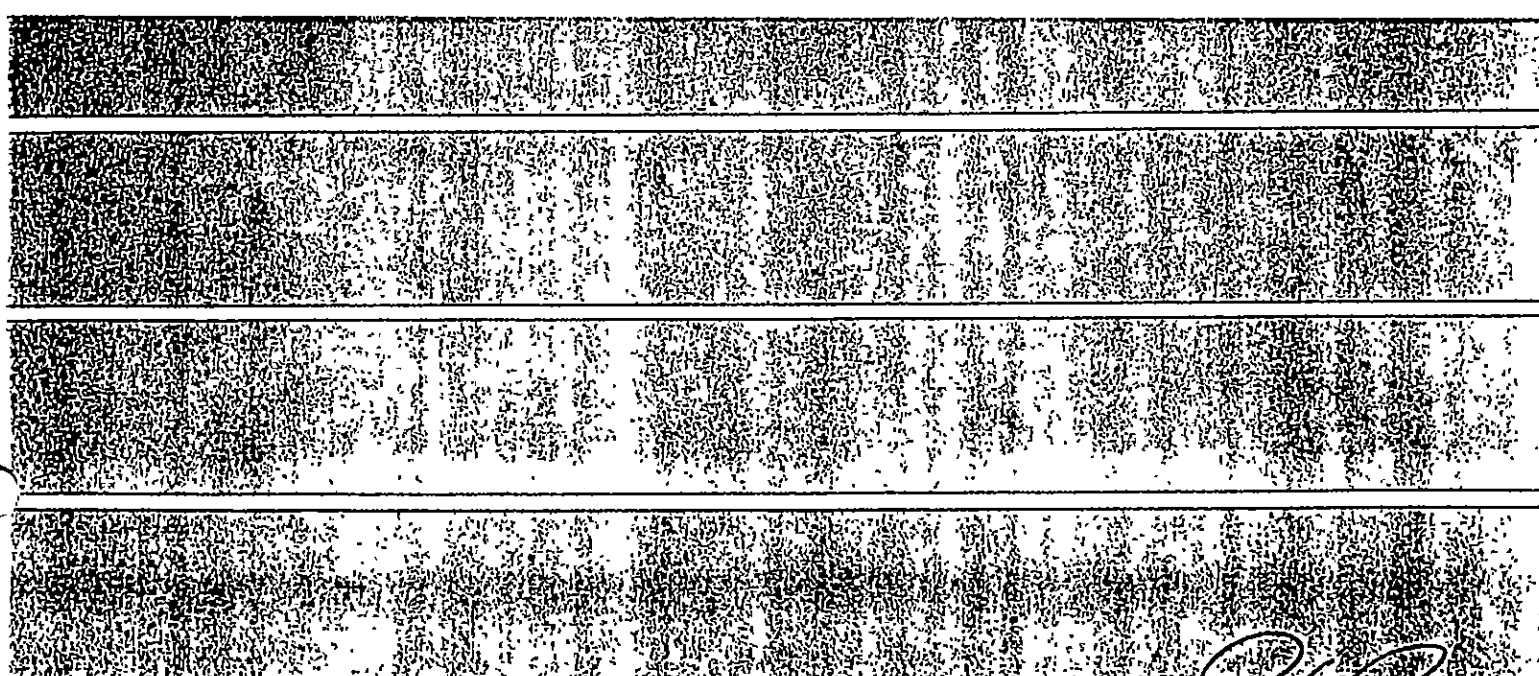
REPORT: 426-4921

Journion Ck (MS)

PROJECT: 2808610-002 PAGE: 1

SAMPLE NUMBER	ELEMENT UNITS	Au GWT	Ag GWT	Cu PCT	Pb PCT	Zn PCT
E2198621		2.88	51.4	0.02	5.60	1.88

ANALYSIS



110196 MS DF

Geo-Cross & Company Ltd.
 130 Pemberton Ave.
 North Vancouver, B.C.
 Canada V7P 2R5
 Phone: (604) 983-0681
 Telex: 04-352667



BONDAR ELECTRODE

Certificate of Analysis

REPORT: 427-7404

PROJECT: 280

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au GHT	Ag GHT	Cu PCT	Pb PCT	Zn PCT
R2 18181		0.07	<0.7	0.01	<0.01	<0.01
R2 18183		<0.07	<0.7	<0.01	<0.01	<0.01
R2 18187		0.24	<0.7	0.01	<0.01	<0.01

DECEMBER

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File
Dominion cl
1986

Dominion Cl. (MS)

8611-039

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.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.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK CHIPS AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: NOV 27 1986 DATE REPORT MAILED: Dec 3/86 ASSAYER: D. Jago DEAN TOYE. CERTIFIED B.C. ASSAYER.

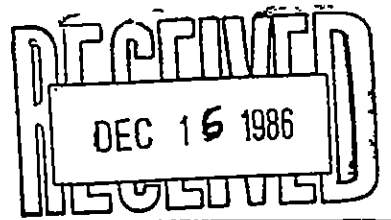
NORANDA EXPLORATION (VAN) PROJECT - 280 8611-039 FILE # 86-3703 R PAGE 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	%	PPM	PPM
87101	1	4	4	15	.2	2	1	40	.33	4	5	ND	1	6	1	15	2	1	.08	.004	2	9	.01	3	.01	2	.04	.02	.01	1	1
87102	1	3	2	5	.1	4	1	68	.39	2	5	ND	1	127	1	2	2	1	2.28	.006	2	6	.02	8	.01	6	.06	.03	.03	1	1
87103	1	2	3	3	.2	3	1	29	.29	2	5	ND	1	102	1	3	2	1	1.32	.002	2	5	.01	2	.01	3	.02	.02	.02	1	1
87104	1	2	7	93	.1	3	1	41	.44	5	5	ND	1	6	1	2	2	1	.03	.004	2	7	.01	5	.01	3	.05	.01	.02	1	1
87106	1	1	10	4	.3	1	1	364	.64	3	5	ND	1	2647	1	2	3	1	31.55	.001	2	1	.14	5	.01	4	.01	.10	.01	1	1
87107	1	1	6	4	.2	3	1	72	.55	6	5	ND	1	2495	1	2	8	3	32.88	.009	2	1	.15	16	.01	3	.03	.10	.01	1	1
87108	1	2	2	1	.1	4	1	36	.23	2	5	ND	1	190	1	2	2	1	3.16	.001	2	15	.01	1	.01	6	.01	.03	.01	1	1
87109	1	3	2	2	.1	3	1	89	.39	2	5	ND	1	112	1	2	2	1	1.18	.017	2	7	.01	2	.01	2	.02	.03	.01	1	1
87110	1	6	2	2	.3	8	1	64	.48	3	5	ND	1	90	1	2	2	1	1.67	.001	2	11	.03	1	.01	4	.03	.03	.01	1	1
87111	1	3	26	51	.2	9	2	.199	1.77	10	5	ND	2	79	1	2	2	2	2.62	.009	2	10	.42	8	.01	2	.10	.04	.04	1	1
87113	1	1	2	4	.3	2	1	84	.62	3	5	ND	1	1537	1	2	7	1	33.52	.009	2	3	.64	12	.01	3	.03	.10	.01	1	1
87114	1	2	10	18	.1	5	1	230	1.35	2	5	ND	1	111	1	2	2	6	6.71	.079	2	9	.38	11	.01	5	.14	.07	.01	1	1
87115	1	3	111	29	.3	3	1	43	.30	2	5	ND	1	37	1	2	2	1	.71	.004	2	9	.01	1	.01	3	.02	.02	.01	1	42
87116	1	4	9	17	.1	4	1	195	1.16	2	5	ND	1	18	1	2	2	1	.21	.078	2	11	.01	7	.01	3	.04	.01	.01	1	1
87117	1	4	9	18	.1	5	1	115	.96	5	5	ND	1	58	1	2	2	1	3.30	.028	2	9	.15	5	.01	2	.05	.04	.02	1	8
87118	5	4795	19188	78618	193.5	61	17	37	2.81	64	5	234	2	12	475	703	23	1	.18	.001	2	2	.04	9	.01	2	.01	.01	.01	1	194000
98550	1	2	129	31	.4	4	1	214	.53	2	5	ND	1	820	1	2	2	1	12.86	.014	2	9	.10	4	.01	2	.04	.06	.01	1	168
98707	1	34	749	274	1.3	11	2	78	.71	6	5	ND	1	252	2	4	2	2	4.70	.011	2	18	.02	8	.01	4	.13	.04	.02	1	220
98708	1	4	19	27	.2	3	1	317	.41	4	5	ND	1	449	1	2	2	1	7.56	.018	2	1	.03	22	.01	4	.07	.05	.05	1	8
98709	1	5	54	15	.1	3	1	45	.37	2	5	ND	1	3	1	2	2	1	.04	.001	2	1	.01	1	.01	3	.02	.01	.01	1	5
98710	1	5	15	10	.1	6	1	125	.94	2	5	ND	2	35	1	2	2	1	.49	.010	2	2	.01	7	.01	2	.07	.02	.03	1	1
STD C/AU-R	21	58	40	136	7.1	68	28	1006	3.98	37	16	8	33	47	17	15	21	63	.48	.103	34	59	.88	178	.08	34	1.72	.09	.12	12	500

x possible from contamination during sample preparation

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Dominion Ck. (MS)

8611-039

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.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.CA.P.CR.NG.BA.TI.D.AL.NA.K.W.SI.ZR.CE.SN.Y.ND AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: ROCK CHIPS

DATE RECEIVED: NOV 14 1986

DATE REPORT MAILED:

Nov 21/86

ASSAYER: D. Toy... DEAN TOYE. CERTIFIED B.C. ASSAYER.

NORANDA EXPLORATION (VAN) PROJECT - 280-8611-039 FILE # B6-3703

PAGE 1

SAMPLE#	Mo	Co	Pb	Zn	Ag	Ni	Cu	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	W
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	%	%	PPM
87101	1	4	4	15	.2	2	1	40	.33	4	5	ND	1	6	1	15	2	1	.08	.004	2	8	.01	3	.01	2	.04	.02	.01	1
87102	1	3	2	5	.1	4	1	68	.39	2	5	ND	1	127	1	2	2	1	2.28	.006	2	6	.02	8	.01	6	.06	.03	.03	1
87103	1	2	3	3	.2	3	1	29	.29	2	5	ND	1	102	1	3	2	1	1.32	.002	2	5	.01	2	.01	3	.02	.02	.02	1
87104	1	2	7	93	.1	3	1	41	.44	5	5	ND	1	6	1	2	2	1	.03	.004	2	7	.01	5	.01	3	.05	.01	.02	1
87106	1	1	10	4	.3	-1	1	344	.64	3	5	ND	1	2647	1	2	3	1	31.55	.001	2	1	.14	5	.01	4	.01	.10	.01	1
87107	1	1	6	4	.2	3	1	72	.55	6	5	ND	1	2495	1	2	8	3	32.88	.009	2	1	.15	16	.01	3	.03	.10	.01	1
87108	1	2	2	1	.1	4	1	36	.23	2	5	ND	1	190	1	2	2	1	3.16	.001	2	15	.01	1	.01	6	.01	.03	.01	1
87109	1	3	2	2	.1	3	1	89	.39	2	5	ND	1	112	1	2	2	1	1.18	.017	2	7	.01	2	.01	2	.02	.03	.01	1
87110	1	6	2	2	.3	8	1	64	.48	3	5	ND	1	90	1	2	2	1	1.67	.001	2	11	.03	1	.01	4	.03	.03	.01	1
87111	1	3	24	51	.2	9	2	199	1.77	10	5	ND	2	79	1	2	2	2	2.62	.009	2	10	.42	8	.01	2	.10	.04	.04	1
87113	1	1	2	4	.3	2	1	84	.62	3	5	ND	1	1537	1	2	7	1	33.52	.009	2	3	.64	12	.01	3	.03	.10	.01	1
87114	1	2	10	18	.1	5	1	230	1.35	2	5	ND	1	111	1	2	2	6	6.71	.079	2	9	.38	11	.01	5	.14	.07	.01	1
87115	1	3	111	29	.3	3	1	43	.30	2	5	ND	1	37	1	2	2	1	.71	.004	2	9	.01	1	.01	3	.02	.02	.01	1
87116	1	4	9	17	.1	4	1	195	1.16	2	5	ND	1	18	1	2	2	1	.21	.078	2	11	.01	7	.01	3	.04	.01	.01	1
87117	1	4	9	18	.1	5	1	115	.96	5	5	ND	1	58	1	2	2	1	3.30	.028	2	9	.15	5	.01	2	.05	.04	.02	1
87118	5	4795	19188	78618	195.5	61	17	37	2.81	64	5	234	2	12	475	703	23	1	.18	.001	2	2	.04	9	.01	2	.01	.01	.01	1
98550	1	2	129	31	.4	4	1	214	.53	2	5	ND	1	820	1	2	2	1	12.86	.014	2	9	.10	4	.01	2	.04	.04	.01	1
98707	1	34	749	276	1.3	11	2	78	.71	6	5	ND	1	252	2	4	2	2	4.70	.011	2	18	.02	8	.01	4	.13	.04	.02	1
98708	1	4	19	27	.2	3	1	317	.41	4	5	ND	1	449	1	2	2	1	7.56	.018	2	1	.03	22	.01	4	.07	.05	.05	1
98709	1	5	54	15	.1	3	1	45	.37	2	5	ND	1	3	1	2	2	1	.04	.001	2	1	.01	1	.01	3	.02	.01	.01	1
98710	1	5	15	10	.1	6	1	125	.94	2	5	ND	2	35	1	2	2	1	.49	.010	2	2	.01	7	.01	2	.07	.02	.03	1
STD C	21	58	40	136	7.1	68	28	1006	3.98	37	16	8	33	47	17	15	21	63	.48	.103	34	59	.88	178	.08	34	1.72	.09	.12	12

Assay required for correct result

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RECEIVED NOV 26 1986

GEOCHEMICAL/ASSAY CERTIFICATE

.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, CA, P, CR, MG, BA, TI, B, AL, NA, K, SI, ZR, CE, SN, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK CHIPS AGI ANALYSIS BY AA BACKGROUND CORRECTED. AUI ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: NOV 14 1986 DATE REPORT MAILED: *Nov 21/86* ASSAYER: *D. Jeffrey* DEAN TOYE. CERTIFIED B.C. ASSAYER.

NORANDA EXPLORATION (VAN) PROJECT - 280 8611-039 FILE # 86-3703A

PAGE 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	Y	Pb	Zn	Ag	Au
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	%	%	OZ/T	OZ/T
87112	4	304	27160	44354	47.5	21	10	25	1.08	26	5	ND	3	3	242	.18	6	1	.03	.001	2	9	.01	1	.01	2	.01	.02	.01	1	4.97	3.92	1.41	.011

Dominion Ch (Ms)

GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: Rock Chips AU8 ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUNE 29 1987 DATE REPORT MAILED: *July 3/87* ASSAYER: *D. Toy* DEAN TOYE, CERTIFIED B.C. ASSAYER

NORANDA EXPLORATION PROJECT-8707-010 280 File # 87-2057

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU1
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
88635	1	4	2	12	.1	7	2	84	.96	5	5	ND	4	3	1	2	2	4	.04	.011	7	11	.10	9	.01	2	.23	.02	.03	1	4
88636	1	1	2	1	.1	2	1	36	.28	4	8	ND	2	1	1	2	2	1	.01	.001	7	3	.01	5	.01	2	.02	.02	.02	1	1
88637	1	3	2	2	.1	3	1	37	.35	2	7	ND	1	3	1	2	2	1	.01	.006	3	4	.01	5	.01	2	.01	.01	.01	1	2
88638	1	5	2	6	.1	4	2	95	.66	3	5	ND	3	4	1	2	2	1	.01	.007	9	5	.01	38	.01	2	.06	.01	.03	1	4
88639	1	4	2	2	.1	4	1	83	.56	4	5	ND	1	1	1	2	2	1	.01	.002	2	6	.01	2	.01	2	.02	.01	.01	1	1
88640	1	7	5	9	.1	8	2	161	.74	8	5	ND	1	5	1	2	2	1	.15	.015	2	4	.01	7	.01	2	.04	.01	.02	1	1
88642	1	3	2	2	.1	3	1	66	.34	2	5	ND	1	18	1	2	2	1	.26	.001	2	3	.01	1	.01	2	.01	.01	.01	1	1
88644	1	1	2	7	.1	2	1	59	.32	2	5	ND	1	745	1	2	2	1	8.02	.001	2	3	.03	5	.01	2	.01	.10	.01	1	3
88647	1	5	10	30	.1	8	3	122	1.87	6	5	ND	1	15	1	2	2	4	.22	.004	2	3	.39	2	.01	2	.58	.01	.01	1	1
88648	1	3	2	11	.1	4	1	109	.81	2	5	ND	2	12	1	2	2	1	.20	.009	12	6	.15	1	.01	2	.21	.01	.01	1	2
95051	1	1	2	1	.1	2	1	45	.30	2	5	ND	1	1	1	2	3	1	.01	.001	2	5	.01	1	.01	2	.01	.01	.01	1	1
95055	1	11	3	5	.1	9	3	89	1.74	4	5	ND	1	6	1	9	2	1	.16	.030	5	4	.01	2	.01	2	.03	.01	.01	1	2
95056	1	5	4	5	.2	2	1	376	1.11	2	5	ND	1	623	1	2	2	2	17.98	.010	7	4	.38	1	.01	2	.20	.24	.01	2	1
95058	1	3	4	2	.2	2	1	142	.51	2	5	ND	1	735	1	2	2	1	11.75	.001	2	3	.06	2	.01	2	.01	.19	.01	1	3
95062	1	5	30	61	.1	10	3	445	2.74	8	5	ND	2	256	1	2	2	2	3.66	.007	3	2	.88	9	.01	2	.07	.01	.03	1	1
STD C/AU-R	20	58	36	134	6.7	67	28	983	4.02	43	18	8	33	46	17	17	18	63	.46	.085	35	58	.87	176	.08	35	1.69	.06	.13	12	495

ORIGINAL

CC: VML/ka

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JUL - 9 1987

D. Toy's Dominion



file

Certificate
of Analysis

8708-048

REPORT: 427-6045

Dominion Co M.S.

PROJECT: 280 - F3

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au GHT	Ag GHT	Cu PCT	Pb PCT	Zn PCT	Sb PCT
---------------	---------------	--------	--------	--------	--------	--------	--------

R2.92674

0.07

<0.7

RECEIVED
AUG 18 1987

cc - mick

file: 280

ORIGINAL

DOMINION CO (A.C.)
 ANALYTICAL LABORATORIES
 52 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

8707-101
 DATE RECEIVED: JULY 24 1987

DATE REPORT MAILED: July 29/87..

GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MO BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Rock Chips

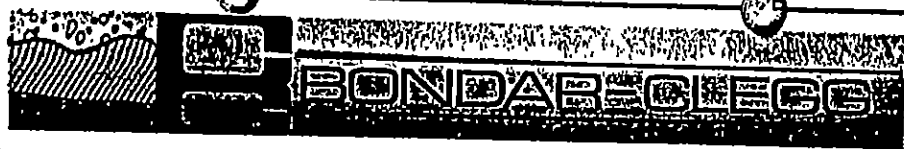
ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

NORANDA EXPLORATION (VAN) PROJECT-8707-101 280 File # 87-2667A

SAMPLE#	PB PPM	ZN PPM	AG PPM	AU OZ/T
- 77503	3	13	.1	.001
- 77703	4	27	.2	.001
77704	2	9	.1	.001
- 77705	12	15	.1	.001
77706	2	1	.1	.001
- 77707	2	5	.1	.001
- 77708	2	3	.2	.001
77709	7	11	.1	.001
77710	23741	40691	30.0	.015
77712	53	48	.3	.001
77713	384	496	.8	.001
77715	9	10	.1	.001
77716	45	48	.1	.001
77718	5	4	.2	.001
77719	19	24	.1	.001
77720	7	12	.2	.001
77721	13	9	.1	.001
77722	2	8	.1	.001
77723	151	17	.3	.001
77724	4	9	.3	.001
77725	13	12	.2	.001
77726	2	2	.2	.001
77727	3	3	.1	.001
77728	4	2	.1	.001
77729	2	3	.1	.001
77730	4	4	.3	.001
- 89876	4	6	.1	.001
- 89877	10	11	.1	.001
89901	9	6	.1	.016
89902	14	30	.2	.001
89903	10	24	.1	.001
89904	410	583	2.1	.087
89905	715	329	5.1	.041
89906	36	37	.6	.049
89907	766	146	2.2	.012
- 95074	11	19	.2	.001
- 95075	30	35	.2	.002
STD C	41	132	7.5	-

✓ *Saturated*

& Company Ltd.
 100 Ave.
 Vancouver, B.C.
 Phone: (604) 943-0581
 Telex: 04152667



Certificate of Analysis

REPORT: 427-5671

PROJECT: 280 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au GMT	SAMPLE NUMBER	ELEMENT UNITS	Au GMT
R2 77731		<0.07	R2 95211		<0.07
R2 77732		<0.07	R2 95212		<0.07
R2 77733		<0.07			
R2 77734		<0.07			
R2 77735		<0.07			
R2 77736		<0.07			
R2 77737		<0.07			
R2 77738		<0.07			
R2 77739		<0.07			
R2 77740		<0.07			
R2 77741		<0.07			
R2 77744		<0.07			
R2 77745		<0.07			
R2 77748		<0.07			
R2 77750		<0.07			
R2 87205		<0.07			
R2 89878		<0.07			

R2 95201	<0.07
R2 95202	<0.07
R2 95203	<0.07
R2 95204	<0.07
R2 95205	<0.07
R2 95206	<0.07
R2 95207	<0.07
R2 95208	<0.07
R2 95209	<0.07
R2 95210	<0.07

Signature



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8708024

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM
1277701		2	24	<0.1	R2-95211		200	15	<0.1
1277731		2	38	<0.1	R2-95212		2	2	<0.1
1277733		6	10	<0.1					
1277734		3	19	<0.1					
1277735		2	16	<0.1					
1277736		2	30	<0.1					
1277737		2	8	<0.1					
1277738		17	40	<0.1					
1277739		8	38	<0.1					
1277740		6	48	<0.1					
1277741		1	6	<0.1					
1277742		2	6	<0.1					
1277745		2	3	<0.1					
1277747		2	3	<0.1					
1277750		2	1	<0.1					
R2-95209		2	3	<0.1					
R2-95278		2	3	<0.1					

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R2-95201		15	10	<0.1					
R2-95202		16	11	<0.1					
R2-95203		44	39	0.3					
R2-95204		3	7	<0.1					
R2-95205		2	1	<0.1					

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R2-95206		2	1	<0.1					
R2-95207		6	280	0.1					
R2-95208		17	15	<0.1					
R2-95209		4	4	<0.1					
R2-95210		16	4	<0.1					

ORIGINAL

8709-076

ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N
TEL : (604) 299 - 6911

CERTIFICATE OF ANALYSIS

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

CERTIFICATE#: 87608
INVOICE#: 70149
DATE ENTERED: 87-09-29
FILE NAME: NOR87608
PAGE # : 1

PROJECT: 274 8709-076 *Cambrian Au (Ms)*
TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPM Ag	PPM Zn	PPM Pb	PPB Au
A-	18323	0.2	46	12	5
A-	18324	0.2	8	10	5
A	18325	0.2	6	2	5
A	18376	0.2	4	2	5
A	18377	0.2	6	2	5
A	18378	0.2	12	2	5
A	18379	0.2	10	128	5
A	18380	0.2	4	2	5
A	18381	0.2	6	4	5
A	18382	0.2	6	2	5
A	18383	0.2	10	2	5
A	18384	0.2	10	4	5
A	18385	0.2	30	2	5
A	18386	0.2	18	2	5
A	18387	0.2	40	26	5
A	18401	0.2	16	2	5
A	18402	0.2	12	6	5
A	18403	0.2	6	2	5
A	18404	0.2	26	44	5
A	18405	0.2	58	4	5
A	18406	0.2	14	2	5
A	18407	0.2	6	2	5
A	18408	0.2	6	2	5
A	18409	0.2	6	2	5
A	18410	0.2	16	2	5
A	77519	0.2	56	2	5
A	77687	0.2	6	12	5
A	77688	0.2	4	2	5
A	77689	0.2	4	2	5
A	77690	0.2	4	2	5
A	77691	0.2	6	2	5
A	77692	0.2	10	2	5
A	77693	0.2	8	2	5
A	77694	0.2	6	2	5
A	77695	0.2	8	2	5
A	77696	0.2	6	2	5
A	77697	0.2	68	24	5
A	77698	0.2	74	18	5
A	77699	0.2	20	6	5
A	77700	0.2	22	8	5

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*cc: Mike
file: 274*

file

of 16

CERTIFIED BY :

P. Rossbach

ROSSBACHER LABORATORY LTD.

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

CERTIFICATE OF ANALYSIS

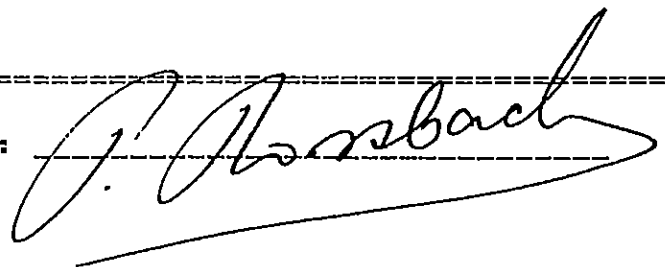
TO : NORANDA EXPLORATION CO. LTD:
1050 DAVIE STREET
VANCOUVER B.C.

CERTIFICATE#: 87608
INVOICE#: 70149
DATE ENTERED: 87-09-29
FILE NAME: nor87608
PAGE # : 2

PROJECT: 274 8709-076
TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPM Ag	PPM Zn	PPM Pb	PPB Au
A	87574	0.2	6	2	5
A-	18322	0.2	44	24	5

CERTIFIED BY :



ing & Company Ltd.
 1000 Ave.
 Vancouver, B.C.
 V7P 2R5
 Tel: (604) 983-0681
 Fax: 04-352667



Geochemical
 Lab Report

REPORT: 126-4921

PROJECT: 280 PAGE: 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au PPB
12-98616		740	6600	1000	20.0	400	380
12-98617		495	>10000	8900	>50.0	220	>10000
12-98618		169	4000	1720	15.0	80	>10000
12-98619		191	6200	2000	22.0	47	3100
12-98620		126	3200	630	8.6	46	820
12-98622		58	3600	680	15.0	220	>10000
12-98623		32	920	218	2.8	14	480
12-98625			420	88		12	
12-98627			198	42		6	
12-98628			192	96		46	
12-98705		55	1030	880	2.2	4	2200
12-98689			10000	6400		17	
12-98690			620	460		26	
12-98691			180	204		11	
12-98692			220	154		37	
12-98693			180	160		12	
12-98694			98	48		6	
12-98695			68	48		6	
12-98696			130	86		5	
12-98697			61	28		6	
12-98730			86	46		6	
12-98888		193	2500	590	8.0	10	120