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GEOLOGICAL, GEOCHEMICAL

AND LINECUTTING REPORT

ON THE

SOUP PROPERTY

N.T.S.: 94D/8

OCTOBER, 1994

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VANCOUVER, B.C.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,586

Author: D.G. Gill, P.Geo.
Owner/Operator: Hemlo Gold Mines Inc.

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1.0 INTRODUCTION

Between the dates of June 14 and July 31, 1994, 39 mandays were spent on the Soup Property by Noranda personnel acting as agents for Hemlo Gold Mines Inc. The programme consisted of mapping, linecutting and soil and rock geochemistry upslope of the known oxidized magnetite-pyrite-silica occurrences where previous surveys had outlined anomalous copper and gold values from soils.

A total of 114 soils, 119 rocks and 6.525 line kilometers of grid were collected and established during this programme.

1.1 Location and Access

The Soup property is located approximately 190 km north-northeast of Smithers, B.C. on N.T.S. Mapsheet 94D/8 in the Omineca Mining Division.

Camp mobilization was achieved via helicopter based at the east end of Johanson Lake located 13 kilometers north-northeast from the Soup claim block.

1.2 Topography and Physiography

The Soup property is situated within the Osilinka Ranges and lies on steep south and southwest facing slopes which are drained by small, intermittent creeks flowing into Kliyul Creek. Much of the property is devoid of vegetation due to the steepness of the terrain and elevations which range from 4330 feet in the valley bottom to 7500 feet along the northwest trending ridge located in the eastern section of the claims.

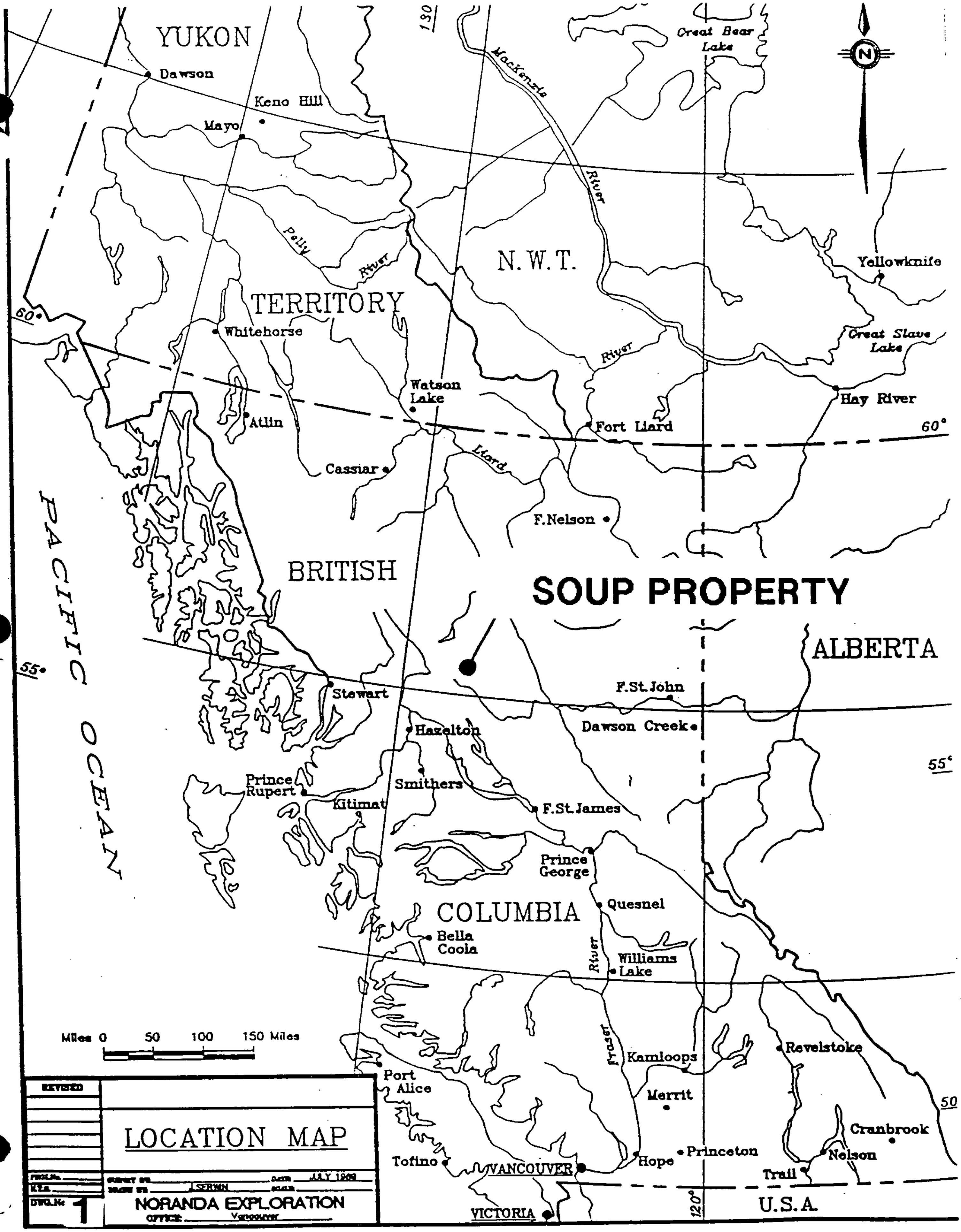
1.3 History

Below is a brief outline of documented work performed on the Soup property and surrounding areas in chronological order:

1930's: Consolidated Mining and Smelting Company explored for lode gold occurrences to the east and southeast of the Soup at Porphyry Creek, Croydon Creek and Granite Basin.

1946-48: Springer Sturgeon Gold Mines explored auriferous quartz veins known as the Solo, Bruce and Ginger B occurrences.

1963: This year saw the beginning of exploration on the Davie Creek moly prospect which continued through to 1983 by such companies as Riocanex, Teck, Chevron and Getty Canadian Metals.


SOUP PROPERTY
YUKON
TERRITORY
N.W.T.
BRITISH
COLUMBIA
ALBERTA
PACIFIC OCEAN
U.S.A.
Dawson
Keno Hill
Mayo
Whitehorse
Atlin
Cassiar
Watson Lake
Fort Liard
F.Nelson
Hay River
Yellowknife
Great Bear Lake
Great Slave Lake
Mackenzie River
Pelly River
Liard
Stewart
Hazelton
Smithers
Prince Rupert
Kitimat
F.St.James
F.St.John
Dawson Creek
Prince George
Quesnel
Bella Coola
Williams Lake
Fraser River
Kamloops
Merrit
Revelstoke
Cranbrook
Nelson
Trail
Princeton
Hope
Port Alice
Tofino
VANCOUVER
VICTORIA
60°
55°
50
130
120°
Miles 0 50 100 150 Miles
LOCATION MAP
NORANDA EXPLORATION
DWG.No 1

1964: Southwest Potash Corp. (Amax) conducted mapping and chip sampling of the southern-most Soup skarn horizons.

1965: Mapping by K.C. McTaggert revealed the skarn horizon varied in width from 10 to 100 feet and extended discontinuously for over 8,000 feet.

1971: Three x-ray holes (70 feet) were drilled into the skarn horizon at one location on the Soup 10 claim by Falconbridge Nickel Mines Ltd.

1975: An ore microscopy study was performed on a number of mineralized skarn samples by A.J. Sinclair.

1976: A magnetic profiling and modeling survey was conducted by A.J. Sinclair which revealed a stratiform magnetic occurrence with dips of 20 to 30° E.

1977: A rock chip sampling programme was conducted by BP Minerals along eleven cross-lines through the skarn horizons.

1980-81: Vital Resources Ltd. optioned the claims and subsequently performed a limited soil survey across the skarn horizon stratigraphy.

1982: Noranda Exploration Company, Limited optioned the claims from Vital and conducted soil and rock chip sampling as well as magnetometer surveying.

1984: Detailed mapping as well as talus-fine and rock chip geochemistry was done by BP Resources Canada Ltd. The geochem survey revealed anomalous Au zones exist stratigraphically above the skarn horizons.

1986-87: A detailed magnetometer survey and systematic rock-chip sampling was completed by Lemming Resources Ltd. One new skarn zone was discovered as mineralized talus.

1989: A seven hole (1112 feet) diamond drill hole programme was completed by Athlone Resources Ltd. Drilling was focused on skarn horizons as well as northeast-southwest crosscutting structural features which contained discordant magnetite-pyrite-chalcopyrite mineralization.

1990: Teck Explorations Ltd. completed a detailed large-scale mapping and prospecting programme as well as systematically sampling the skarn occurrences in the southeast portion of the property. Teck recommended further mapping to assess the porphyry Cu-Au potential on the property.

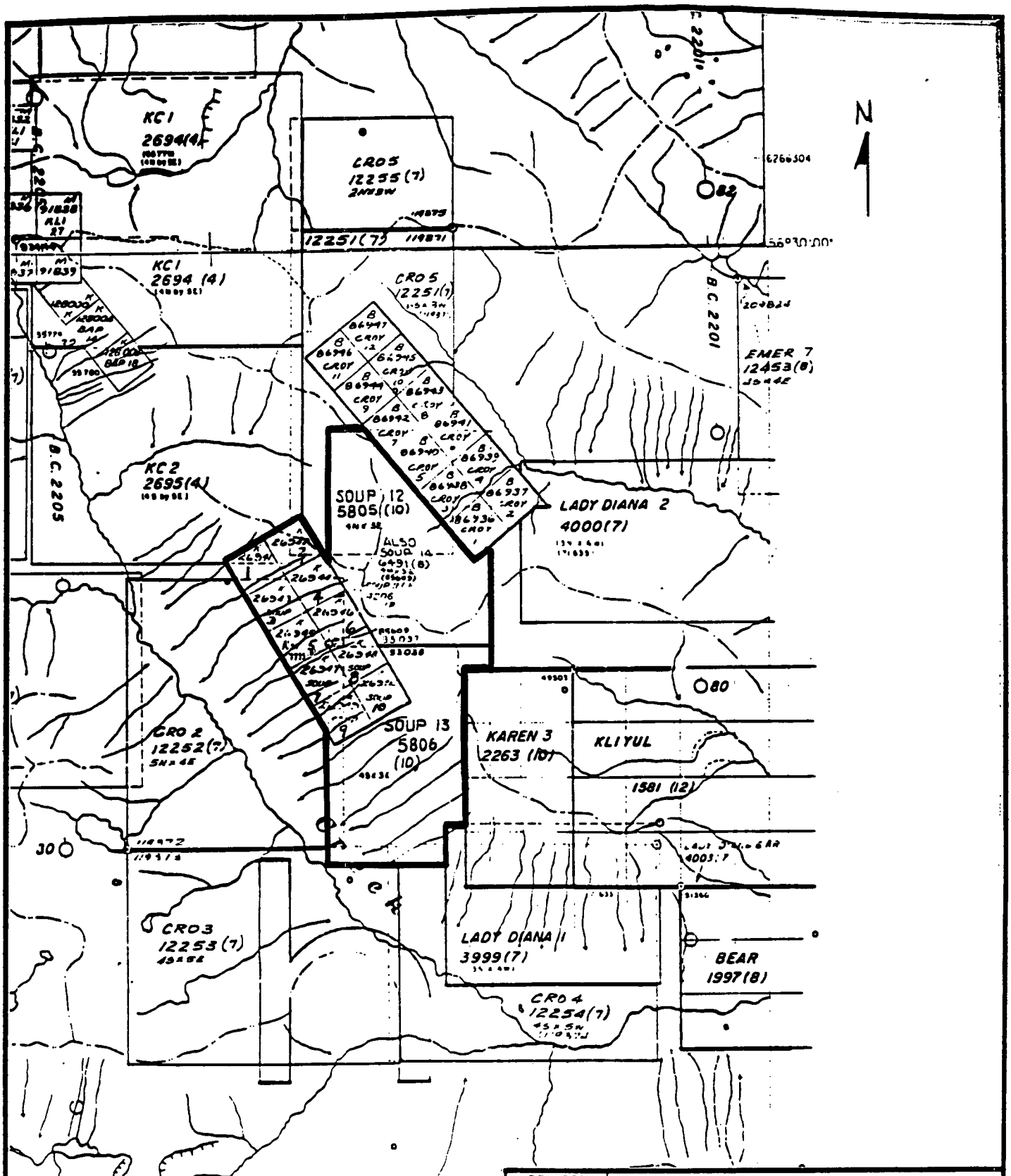
1993: Noranda conducted a 288 test pit and 6 hole reverse circulation drilling programme on the Kliyul property as well as cursory mapping and sampling of the Joh, Croydon, Darb and Soup properties.

1.4 Claims

The Soup property is comprised of 10, 2-post mineral claims (10 units) 1 fractional claim (1 unit) and 3, 4-post mineral claims (36 units) for a total of 47 units. A list of the claims with corresponding tenure number, anniversary date and owner follows.

CLAIM NAME	TENURE NO.	UNITS	ANNIVERSARY DATE	OWNER
Soup 1	244014	1	August 7, 1998	Hemlo Gold Mines Inc.
Soup 2	244015	1	August 7, 1998	" " "
Soup 3	244016	1	August 7, 1998	" " "
Soup 4	244017	1	August 7, 1998	" " "
Soup 5	244018	1	August 7, 1998	" " "
Soup 6	244019	1	August 7, 1998	" " "
Soup 7	244020	1	August 7, 1998	" " "
Soup 8	244021	1	August 7, 1998	" " "
Soup 9	244022	1	August 7, 1998	" " "
Soup 10	244023	1	August 7, 1998	" " "
*Soup 11 Fr	238499	1	August 15, 1995	" " "
Soup 12	238688	12	October 5, 1997	" " "
Soup 13	238689	12	October 5, 1997	" " "
*Soup 14	238824	12	August 15, 1995	" " "

Those claims with an asterisk beside them are not being filed for assessment.



REVISED	**SOUP PROPERTY**
	CLAIM LOCATION
PROJ No.	SURVEY BY: DATE: Jan 1994
N.T.S. 94D/8	DRAWN BY: SCALE: 1:50,000
DWG. No. 2	**NORANDA EXPLORATION**
	OFFICE: VANCOUVER

CAL 11927

1.5 Economic Potential

The narrow, discontinuous, erratically mineralized skarn horizons that occur on the Soup property and dip into the hill do not provide a very practical target for an economic deposit. However, the potential for bulk mineable gold associated with stockworks/breccias zones along major structural breaks may exist on the property. The high grade section (0.47% Cu, 0.229 opt Au/15 feet and 0.17% Cu, 1.427 opt Au/10.5 feet) intersected by Athlone Resources in DDH-89-1 and 2 respectively while drilling one of these discordant zones (Saddle Gulley zone) lends credence to this possibility.

1.6 Survey Control

The surveying of the flagged and picketed grid lines was conducted with the aid of a prism and metric hipchain and were tied into topographic features. All lines were sloped corrected and the establishment of 6.525 line kilometers of grid is being applied for assessment within this report. Lines were established at 100 metre intervals off the baseline with stations being established every 25 meters.

1.7 Sampling

Soil sampling was conducted along metrically chained lines with samples taken every 50 meters to the depth of 5-45 cm with the aid of a shovel or mattock. Soils were collected in brown kraft envelopes for drying, storage, and shipping purposes and sent to Noranda Exploration Laboratory at Unit #1, 7550 - 76th Street, Delta, B.C. Rock samples were collected as grabs whenever representative, altered and/or mineralized formations were encountered.

Please refer to Appendix I for the laboratory analytical techniques and Appendix II for sample assay values and descriptions where applicable.

A total of 114 soils and 119 rocks and their accompanying analytical charges are being applied for assessment.

2.0 GEOLOGY

2.1 Regional

The Soup property is situated within the Intermontane Belt which is comprised of Upper Triassic to Lower Jurassic island arc volcanics, volcaniclastics and minor sediments of the Takla Group which hosts such Cu-Au porphyry deposits as Mt. Milligan and Kemess. The dominantly volcanic package in the Soup area has been intruded by Jura-Cretaceous aged diorites, monzonites and syenites associated with the Hogem Batholith.

Prominent structural features in the area include NW, E-W, N-S and NNE-SSW trending fault systems.

2.2 Property Geology

Mapping of the Soup property was conducted at 1:5,000 scale using flagged and picketed, metrically chained, slope corrected grid lines, topographic bases and airphotos for control. The resulting maps (Drawings 4, 5 and 6) show geology, structure and rock samples with gold and copper values greater than 250 ppb and 5000 ppm respectively.

Mapping has confirmed that the survey area is underlain by late Triassic aged volcanic sequence of Takla Group rocks intruded by Triassic-Jurassic aged gabbro/pyroxenites, monzonites and diorites. These are separated into 6 distinct mappable units which basically trend northwest and dip moderately to the northeast and are described below.

Unit 1 is described as an andesitic tuff which consists of massive, medium green coloured, fine to medium grained crystal, lithic and ash tuffs. Crystal composition is mainly feldspars which are 1-3 mm in size, white, blocky and often broken. Fragments observed are monolithic, feldspar to feldspar-augite phyric volcaniclastics similar to the host matrix and range in size from 2 mm to 1 cm.

Lying stratigraphically above the andesitic tuff unit (which reveals shallow to moderate dips of 20-30° NE) is a thick succession of augite phyric flows & flow breccias which contains augite phenocrysts to 5 mm and varying amounts of white to pale green (epidotized) plagioclase crystals to 2 mm. This unit (2) weathers grey-green and exhibits blocky to subrounded talus boulders as well as forming steep bluffs and cliffs. Magnetism of the augite porphyry varies from moderate to strong. Rarely, minor beds of medium to fine grained sericite, chlorite +/- carbonate altered tuffaceous material was observed as minor interbeds within the augite porphyry package.

Intruding the above stratigraphy are 3 main rock types (pyroxenite - Unit 3, diorite - Unit 4 and monzonite - Unit 6) which exist as small stocks, plugs and dykes.

DARB LAKE

LAY CK

KLIYUL CLAIMS

KLIYUL CK.

SOUP CLAIMS

DORATELLE CK.

LEGEND

INTRUSIVES

4 DIORITE, MONZONITE, SYENITE

ULTRAMAFIC ROCKS (PYROXENITE)

TAKLA VOLCANICS (UP. TRIASSIC)

2 ANDESITES

SEDIMENTS (ss, arg, lst.)

3

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA D.G. GILL GEOSCIENTIST

OCT 20/94

REGIONAL GEOLOGY

KLIYUL CREEK AREA

0 1 2 3 4 5 KMS

★ OCCURRENCES

SCALE 1:50,000

The pyroxenite was observed in the southeast section of the grid as a small plug and dyke-like body. It is described as coarse grained, dark green, dense and very magnetic containing magnetite forming as medium to coarse grained disseminations, clots and fracture fillings.

The most common of the intrusive phases is described as a melanocratic, medium grained, equigranular diorite with mafic phenocrysts (2-3 mm) set in a pale green to white plagioclase rich, fine grained groundmass. This unit is moderately to strongly magnetic and exhibits epidotization of feldspars as well as along fractures while weathering to angular to subangular talus blocks. Locally malachite, azurite are observed along fracture surfaces of this unit. A "gabbroidal" texture is also evidenced near the contacts of the diorite with the augite porphyry flows and flow breccias causing some confusion as to where the actual contact is located.

The monzonitic phase is described as having a massive texture, variably magnetic with locally porphyritic texture due to 2-3 mm wide feldspar crystals set in a fine grained, grey to pinkish-grey, fine grained matrix. In other locations the coarser grained feldspar crystals are nonexistent and 2-4 mm long hornblende lathes (locally aligned) are evident instead. This phase of the monzonite is usually exposed near contact zones. The monzonite exists mainly as dykes striking north, northwest and east-west.

Mineralization found during this programme was restricted to 4 main types as follows.

1. Quartz veins to 0.5 m wide containing chlorite, epidote, malachite, azurite, chalcopyrite, pyrite and locally minor magnetite found mainly within the dioritic unit.

2. Malachite, azurite stained fractures exposed mainly within the augite porphyry flows and flow breccias and the diorite.

3. Magnetite, pyrite, quartz gossanous zones with boxwork texture forming along fracture sets at random orientations and along suspected bedding planes as evidenced along the southwest ends of the grid lines along the contact zone between the lower andesitic tuffs and the upper augite porphyry flows. (This contact zone also reveals calcareous siltstones and minor limestone units in other areas outside of the Soup property boundary and may be the reason more massive occurrences of magnetite and magnetite +/- pyrite are exposed here hence the amount of attention focused on these zones in the past).

4. Magnetite, minor pyrite, quartz stockwork zones cutting augite porphyry flows near the contact of the diorite tongue which bisects lines 617N through 621N in the center of the grid and on which Athlone Resources drilled hole 89-2 which returned results of 3.31 gpt Au over 43.5 meters. (This hole is located on line 622N, 816E).

It is postulated that more stockwork magnetite, silica /- pyrite and gold zones may exist at depth on the Soup property and that the latter two phases of mineralization represent leakage along zones of weakness such as bedding planes, contacts, fracture sets, and shear zones. A plan of all structural measurements taken can be seen on Drawing #5 with the exception of the attitudes of the NE-SW faults indicated along deeply incised gullies which are talus filled but reveal displacement of the northwest trending diorite dykes, magnetite-pyrite gossan zones and both volcanic packages.

3.0 GEOCHEMISTRY

The objective of the 1994 geochemistry survey was to better define the anomalous copper and gold soil results obtained by Noranda in 1984 which were collected upslope from the known and previously well sampled and documented magnetite-pyrite gossan zones.

A total of 114 soils and 119 rocks were collected during the reporting period described in this report. Below is a brief discussion of the gold and copper in soil results obtained which are depicted on Drawings 7 and 8. Drawing 6 shows the locations of those rock samples that returned values of +250 ppb Au and/or +5000 ppm Cu. Refer to Appendix II for further assay results and descriptions of the samples taken where applicable.

3.1 Gold Geochemistry

Of the 114 soils and talus fines collected over the grid area the lowest value of gold returned was 5 ppb while the highest value was 8700 ppb. Contouring of the gold results at 300 and 500 ppb reveals a major open-ended anomaly trending NW and extending across the grid for 1.2 km. Within this zone are two main branches or arms that seem to trend more northerly than the overall anomalous zone and may be related to similar trending fractures and shears depicted on the structural map and/or to more northerly trending intrusive dykes as seen on Drawing 4. The overall northwest trend to the main anomaly and other lesser anomalous zones may also be a function of those similar trending structures which parallel the main diorite tongue which also conforms to the attitude of the volcanic stratigraphy.

Anomalous gold in rock samples are depicted on Drawing 6 and show a concentration of elevated results near and above drill hole 89-2 (Line 622N, 816E) and from within fractures and shears located within the main dioritic body in the southern section of the grid.

The best gold value in rock returned was 38 gm taken from a 1.0 m chip across the magnetite-silica stockwork zone tested by Hole 89-2.

3.2 Copper Geochemistry

The lowest and highest copper in soils values returned from the 1994 programme were 77 and 5226 ppm respectively. Contouring of the values at 500 and 1000 ppm reveals a distinct northwest trend to the anomalies which reflects the main stratigraphic trend as well as the main dioritic trend and some of the fracture, shear and vein orientations measured. This is in part quite different from the more anomalous NNW trending gold anomalies which may be more related to structural controls rather than stratigraphic controls.

Of interest is that of all anomalous rock samples returned (51) 36 were anomalous in gold only, 7 were anomalous in copper only and 8 were anomalous in both elements.

4.0 CONCLUSIONS

1. Soil sampling of the area upslope from previously tested zones of magnetite-pyrite gossans confirmed the anomalies detected in 1984 by Noranda.

2. Although the area mentioned above is highly anomalous in copper/gold in soils and talus fines, contouring of the results shows a distinctive difference between northwest trending copper anomalies and north-northwest trending gold anomalies. This difference may be attributed to more structural control of the gold and possibly more stratigraphic control for copper.

3. Discrepancies in the gold and copper soil contours may also be a function of the rugged topography, downhill dispersion, difficulty in obtaining similar, representative material at each sample site, as well as differing rates of weathering of different host rock and different rates of element mobilization and may not truly reflect the nature of the mineralization at depth.

4. Mapping and rock sampling indicates that copper and especially gold mineralization is related to magnetite-pyrite-silica filled structural zones and bedding planes and that the source of these occurrences may be found uphill and at depth from previously tested conformable showings.

5. A thorough study of fracture density and larger structural control via airphoto interpretation may lead to the identification of areas subjected to more intense ground preparation and possibly more widespread and frequent structurally controlled auriferous magnetite-pyrite-silica mineralization.

6. A survey of ground magnetics is also warranted to delineate the areas of higher intensity magnetism obviously associated with gold mineralization.

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APPENDIX I

LABORATORY ANALYTICAL TECHNIQUES

ANALYTICAL METHOD DESCRIPTIONS FOR GEOCHEMICAL ASSESSMENT REPORTS

The methods listed are presently applied to analyse geological materials by the Noranda Geochemical Laboratory at Vancouver.

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 geochemical analysis.

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

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 0.4 g and chemical quantities are doubled relative to the above noted method for digestion.

The concentrations of Ag, Cd, Co, Cu, Fe, Mn, Mo, Ni, Pb, V and Zn can be determined directly from the digest (dissolution) with a conventional atomic absorption spectrometric procedure. 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 dissolution with an AA-475 equipped with electrodeless discharge lamp (EDL).

Arsenic - As: 0.2 - 0.3 g sample is digested with 1.5 ml of perchloric 70% and 0.5 ml of conc. nitric acid. A Varian AA-475 equipped with an As-EDL is used to measure arsenic content in the digest.

Barium - Ba: 0.1 g sample digested overnight with conc. perchloric, nitric and hydrofluoric acid; Potassium chloride added to prevent ionization. Atomic absorption using a nitrous oxide-acetylene flame determines Ba from the aqueous solution.

Bismuth - Bi: 0.2 - 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 with an AA-475 complete with EDL.

Gold - Au: 10.0 g sample is digested with aqua regia (1 part nitric and 3 parts hydrochloric acid). Gold is extracted with MIBK from the aqueous solution. AA is used to determine Au.

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 the use of 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 from a perchloric-nitric decomposition, usually from the multi-element digestion, is buffered. The aqueous solution is exposed to laser light, and the luminescence of the uranyl ion is quantitatively measured on the UA-3 (Scintrex).

N.B.: If additional elemental determinations are required on panned samples, state this at the time of sample submission. Requests after gold determinations would be futile.

LOWEST VALUES REPORTED IN PPM:

Ag - 0.2	Mn - 20	Zn - 1	Au - 0.01
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 II

SOIL AND ROCK GEOCHEMICAL RESULTS AND DESCRIPTIONS

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: SOUP – 45550 **Geol.:** G.G. **Date received:** JUL. 27 **LAB CODE:** 9407–030

Material: 100 Soils **Sheet:** 1 of 3 **Date completed:** AUG. 03

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 10 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.

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
617N – 81450E	430	0.2	4.94	2	235	0.3	5	2.34	0.2	26	53	72	343	6.27	0.36	14	14	2.94	971	1	0.04	53	0.13	2	183	0.37	204	74
81500	220	0.2	5.03	2	285	0.2	5	2.56	0.5	25	40	30	344	6.58	0.40	13	13	2.24	1173	1	0.06	27	0.16	2	161	0.42	211	70
81550	130	0.2	4.91	2	247	0.2	5	2.38	0.2	25	35	28	358	7.50	0.50	13	14	2.70	1319	1	0.04	20	0.17	2	142	0.46	248	78
81600	30	0.2	4.94	2	210	0.3	5	2.77	0.3	24	44	44	353	5.59	0.34	13	13	2.08	1235	1	0.06	45	0.14	2	185	0.28	183	77
617N –81650E	85	0.2	5.37	2	327	0.3	5	2.54	0.4	28	30	17	323	6.24	0.60	14	14	2.25	1049	1	0.05	16	0.16	2	149	0.37	200	89
617N –81700E	590	0.8	4.47	4	292	0.2	5	2.29	0.4	21	62	38	425	7.55	0.53	14	12	2.06	1319	5	0.04	35	0.16	2	151	0.28	207	109
81750	370	0.4	4.56	2	329	0.2	5	2.04	0.3	19	86	46	463	8.14	0.48	13	13	2.47	1405	2	0.04	38	0.13	2	100	0.30	218	103
81800	35	0.2	6.32	3	491	0.4	5	3.49	0.6	5	41	29	659	8.06	1.22	12	18	3.47	1295	1	0.03	36	0.11	2	24	0.25	190	151
81850	210	0.6	4.39	9	171	0.2	5	1.85	0.8	25	213	79	1922	9.33	0.28	14	15	3.00	1178	4	0.04	174	0.15	2	150	0.29	223	64
617N – 81900E	400	0.8	4.85	4	110	0.2	5	1.96	0.7	17	152	48	1389	9.74	0.17	13	20	4.15	1287	2	0.03	71	0.11	2	145	0.33	363	86
618N – 81350E	40	0.2	5.29	2	213	0.3	5	2.65	0.7	26	46	43	329	6.50	0.33	14	12	2.29	1161	1	0.05	35	0.13	2	183	0.43	232	71
81400	220	0.2	4.96	5	196	0.2	5	2.62	0.5	25	51	57	263	5.99	0.26	13	12	2.24	1088	1	0.06	40	0.12	2	215	0.33	213	68
81450	620	0.2	4.39	3	268	0.2	5	2.02	0.7	26	50	50	284	6.40	0.36	13	11	1.84	1044	1	0.06	30	0.14	3	180	0.33	204	65
81500 •	60	0.2	4.64	2	401	0.2	5	2.20	0.5	29	19	5	212	4.59	0.88	13	10	1.61	1114	1	0.03	6	0.11	2	150	0.29	173	46
618N –81550E	30	0.2	4.73	5	188	0.2	5	2.59	0.5	24	31	65	300	6.05	0.37	12	12	2.52	877	1	0.06	50	0.12	2	170	0.34	193	71
618N –81600E	540	0.2	5.17	6	387	0.3	5	2.21	0.6	33	40	22	612	4.96	0.52	16	12	1.49	1280	1	0.05	20	0.19	2	248	0.29	173	86
81650 •	50	0.2	4.66	4	226	0.2	5	2.56	0.8	24	27	8	308	5.22	0.42	12	12	1.91	1190	1	0.04	11	0.11	2	153	0.32	197	87
81700	1430	0.6	4.70	7	172	0.3	5	2.44	0.8	21	134	48	1747	7.48	0.27	15	13	2.51	1412	1	0.06	54	0.12	11	186	0.34	220	129
81750 •	30	0.4	4.17	5	83	0.2	5	2.99	0.6	18	119	46	857	8.24	0.17	12	9	1.66	994	2	0.04	76	0.12	2	153	0.28	208	52
618N –81800E •	120	0.2	4.13	3	173	0.2	5	2.97	0.5	17	103	31	649	7.48	0.35	10	9	1.55	814	1	0.04	51	0.09	2	149	0.27	200	46
618N –81850E	120	0.2	4.25	4	225	0.3	5	1.76	1.0	31	84	83	809	7.78	0.33	15	16	2.64	1286	3	0.04	63	0.17	4	108	0.28	231	91
618N – 81900E	30	0.2	4.53	2	154	0.2	5	1.36	0.5	25	51	172	234	6.32	0.15	13	23	4.51	1056	1	0.04	189	0.12	2	75	0.32	196	97
619N – 81350E	180	0.2	3.67	3	215	0.2	5	1.60	0.7	29	50	48	271	5.40	0.28	11	9	1.50	1072	3	0.04	27	0.29	2	128	0.34	199	55
81400	55	0.2	5.54	3	133	0.3	5	4.03	0.3	15	79	17	504	5.77	0.17	11	10	1.45	942	1	0.06	25	0.11	2	339	0.37	230	47
619N –81450E	200	0.2	4.55	3	176	0.2	5	2.83	0.6	26	83	44	477	6.84	0.27	14	11	2.30	1236	2	0.06	41	0.13	2	239	0.37	238	64
619N –81500E	490	0.2	5.01	5	154	0.3	5	2.36	1.0	31	64	48	518	6.54	0.23	15	14	2.74	1757	1	0.04	57	0.16	3	224	0.32	231	99
81550	340	0.4	5.14	11	122	0.4	5	3.18	0.6	24	87	32	1012	6.29	0.16	14	11	1.72	1918	3	0.07	34	0.13	3	326	0.25	213	74
81600	160	0.2	4.76	2	184	0.2	5	2.06	0.9	30	44	21	558	6.51	0.26	13	15	2.66	2130	1	0.04	23	0.14	2	127	0.37	271	126
81650	90	0.2	4.34	2	247	0.3	5	1.83	0.7	30	46	24	540	5.24	0.30	13	11	1.62	1695	2	0.04	24	0.16	2	192	0.26	162	132
619N –81700E	70	0.2	4.18	2	153	0.2	5	1.49	0.9	23	71	215	289	6.13	0.32	12	16	4.57	1135	1	0.03	227	0.11	9	87	0.25	171	93
619N –81750E	110	0.2	4.26	2	151	0.3	5	2.49	0.3	29	147	61	795	7.46	0.26	14	12	1.61	1027	3	0.05	77	0.11	2	174	0.25	190	61
81800	120	0.2	3.93	4	163	0.3	5	1.92	0.7	39	91	114	412	6.56	0.28	19	14	2.46	942	4	0.05	141	0.13	2	124	0.28	172	66
619N – 81900E •	70	0.2	4.76	2	64	0.2	5	5.08	0.2	5	40	28	476	5.59	0.13	8	6	0.59	776	1	0.03	22	0.11	2	212	0.34	181	32
620N – 81350E	140	0.2	4.32	2	171	0.3	5	2.49	0.5	24	115	63	2067	5.89	0.25	12	11	1.96	1051	2	0.04	46	0.18	2	168	0.30	167	59
620N –81400E	1200	0.4	4.84	14	95	0.3	5	3.83	1.0	13	256	103	5176	9.79	0.14	17	10	1.96	1647	3	0.04	79	0.21	2	180	0.25	198	66

8 GS GG

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
620N –81450E	65	0.2	5.08	2	151	0.3	5	2.83	0.6	18	54	45	378	5.34	0.21	11	13	2.40	1123	2	0.06	55	0.11	2	193	0.28	183	62
81500	230	0.2	5.01	2	87	0.3	5	3.07	0.5	20	86	46	820	6.23	0.21	13	11	2.07	945	6	0.05	46	0.13	2	237	0.29	195	54
81550	520	0.2	5.34	3	104	0.3	5	3.37	0.3	15	164	31	1343	8.89	0.19	15	10	1.69	1238	18	0.06	62	0.18	2	246	0.33	238	66
81600	500	0.6	4.45	2	154	0.3	5	2.38	0.5	29	93	25	931	7.32	0.26	14	10	1.77	1581	5	0.05	44	0.12	2	246	0.34	221	70
620N –81650E •	250	0.2	4.27	2	156	0.2	5	2.13	0.3	23	67	35	461	6.07	0.28	10	11	2.49	1015	2	0.04	47	0.10	2	129	0.29	192	62
620N –81700E	320	0.2	4.43	2	216	0.3	5	2.40	0.4	26	95	41	538	7.63	0.30	13	11	2.32	1344	2	0.05	55	0.11	4	173	0.32	223	69
81750 •	110	0.2	4.68	2	157	0.2	5	3.42	0.4	14	83	23	680	7.00	0.17	9	9	1.67	1426	2	0.05	54	0.12	2	173	0.33	210	64
81850	430	0.2	4.57	5	188	0.3	5	2.59	0.7	24	210	46	1282	8.51	0.30	13	13	1.99	825	10	0.05	67	0.15	2	190	0.32	218	72
620N – 81900E	190	0.4	4.19	6	154	0.2	5	2.22	0.5	24	108	133	625	6.66	0.23	10	13	3.06	1273	2	0.04	150	0.12	2	165	0.28	172	79
621N – 81350E	270	0.2	4.38	2	193	0.4	5	2.63	0.4	24	33	59	276	5.66	0.40	10	11	1.92	719	1	0.04	43	0.16	2	155	0.28	138	53
621N –81400E	330	0.4	4.41	7	139	0.4	5	2.48	0.5	19	124	41	1877	12.61	0.23	15	10	1.16	1034	5	0.05	49	0.23	4	227	0.23	209	63
81450	20	0.2	4.96	2	85	0.3	5	2.33	0.7	21	70	184	457	5.49	0.19	12	18	4.23	1081	1	0.05	231	0.10	2	109	0.27	151	60
81500	320	0.2	5.08	2	163	0.3	5	3.06	0.4	22	142	28	871	7.87	0.23	13	11	1.91	1119	7	0.05	49	0.13	2	238	0.36	236	54
81550	390	0.6	4.55	2	149	0.3	5	2.01	0.7	29	224	26	1247	8.07	0.15	15	12	2.44	2975	8	0.05	81	0.15	2	155	0.31	220	77
621N –81600E	220	0.2	4.53	2	184	0.3	5	2.35	0.4	33	99	37	966	6.71	0.27	15	12	1.87	1178	5	0.04	48	0.15	2	223	0.36	210	67
621N –81650E	400	0.4	4.21	2	331	0.2	5	1.36	0.6	25	89	68	614	7.82	0.35	13	14	3.22	1704	3	0.03	55	0.12	4	84	0.27	233	84
81700	190	0.4	5.32	2	638	0.3	5	1.64	0.6	30	52	42	411	6.43	0.73	14	15	2.98	1915	1	0.06	58	0.15	3	117	0.23	188	91
81750	10	0.2	4.36	2	72	0.2	5	0.83	0.6	15	40	202	77	5.99	0.09	11	20	5.96	1196	1	0.02	81	0.09	2	15	0.29	197	100
81850	360	0.2	4.12	2	162	0.2	5	2.11	0.5	25	70	88	463	6.72	0.23	14	14	2.44	1002	1	0.05	46	0.12	2	127	0.31	204	74
621N – 81900E	150	0.2	4.28	2	211	0.3	5	1.25	0.8	17	92	403	542	6.93	0.26	12	15	4.77	1207	3	0.02	216	0.13	2	68	0.26	191	83
622N – 81350E	180	0.2	5.61	2	359	0.4	5	2.33	0.6	21	98	42	1033	7.39	0.49	13	16	2.53	2007	5	0.05	47	0.15	2	180	0.32	192	77
81400	100	0.2	5.69	2	338	0.4	5	3.21	0.2	20	34	28	392	5.72	0.42	12	13	1.74	841	1	0.06	25	0.12	2	297	0.28	155	62
81450	270	0.2	6.00	2	181	0.5	5	3.93	0.2	10	40	42	1063	4.75	0.30	12	11	1.35	724	3	0.06	36	0.14	2	260	0.23	118	51
81500	280	0.2	5.88	2	138	0.4	5	3.70	0.3	20	246	20	2274	7.97	0.22	16	9	1.33	2332	7	0.04	57	0.14	2	281	0.26	217	52
622N –81550E	130	0.2	4.79	2	239	0.3	5	2.71	0.2	24	143	20	1099	9.64	0.35	14	9	1.36	984	9	0.06	36	0.25	2	326	0.30	221	46
622N –81600E	420	0.2	5.10	2	508	0.2	5	2.16	0.2	24	55	15	501	6.83	1.10	12	15	2.80	780	4	0.03	30	0.14	2	155	0.45	224	58
81650	250	0.2	5.79	2	201	0.3	5	0.61	0.8	17	561	102	3834	9.26	0.25	14	18	3.60	1708	11	0.02	103	0.16	2	71	0.29	233	102
81700	230	0.2	4.49	2	194	0.2	5	1.56	0.4	25	103	63	674	7.85	0.25	14	16	3.64	2065	6	0.03	50	0.12	2	107	0.35	255	94
81750	210	1.6	5.08	4	392	0.2	5	0.93	0.5	15	409	92	2304	9.20	0.48	13	18	4.27	1834	9	0.07	132	0.14	2	66	0.33	244	91
622N –81800E	330	1.6	5.92	2	583	0.4	5	1.85	0.7	25	61	21	1987	7.48	0.81	15	14	2.56	1878	4	0.06	31	0.14	6	102	0.20	224	89
622N –81850E •	180	0.2	4.03	3	176	0.2	5	2.32	0.3	23	59	40	342	5.91	0.29	11	11	2.00	831	2	0.03	33	0.10	3	167	0.29	203	59
622N – 81900E	210	0.6	4.28	2	123	0.3	5	1.64	0.7	28	58	86	1905	6.86	0.19	15	15	2.94	1066	1	0.03	56	0.10	2	124	0.29	230	75
623N – 81400E	15	0.2	4.62	2	274	0.2	5	2.64	0.2	21	61	7	257	6.30	0.81	10	13	2.37	990	1	0.04	13	0.14	2	196	0.42	199	53
81450	70	0.2	4.77	5	212	0.2	5	2.20	0.5	24	142	106	1064	7.32	0.22	15	11	1.95	1407	4	0.06	85	0.13	2	188	0.25	153	62
623N –81600E	260	0.2	4.64	2	172	0.2	5	2.44	0.6	22	172	54	604	7.47	0.28	12	12	2.41	1326	5	0.04	66	0.13	2	194	0.34	219	61
623N –81700E	330	0.2	4.07	6	141	0.2	5	1.83	0.6	26	70	73	439	6.60	0.26	12	11	2.84	1049	2	0.04	59	0.11	2	167	0.38	244	61
81750	360	1.6	4.03	2	141	0.2	5	2.49	0.5	25	107	36	1327	7.70	0.19	13	11	2.29	1114	12	0.04	50	0.13	2	274	0.37	257	57
81800 •	70	0.2	4.10	3	166	0.2	5	2.75	0.4	40	75	57	477	6.49	0.26	22	10	1.86	846	2	0.04	50	0.11	3	267	0.29	206	55
81850	320	0.2	4.33	7	122	0.2	5	2.40	0.5	28	147	34	1288	9.23	0.20	14	11	1.96	901	22	0.03	66	0.13	2	208	0.32	246	54
623N – 81900E •	170	0.2	4.06	3	134	0.2	5	2.21	0.6	28	86	56	681	6.58	0.22	12	11	2.30	852	5	0.04	39	0.10	2	159	0.32	213	52
624N – 81400E	730	0.6	3.43	19	85	0.3	5	1.91	0.9	14	90	114	1367	15.78	0.20	15	8	1.10	892	42	0.03	41	0.16	10	128	0.19	184	51
81450	750	0.4	5.22	2	580	0.3	5	1.77	0.2	19	155	72	2473	7.85	1.15	13	19	2.95	1519	3	0.04	53	0.13	2	135	0.39	204	83
81500	160	0.2	5.42	8	197	0.3	5	3.39	0.4	13	78	84	508	6.35	0.50	11	15	2.62	1533	4	0.05	57	0.11	2	217	0.36	211	70
81550	80	0.2	4.96	7	215	0.3	5	2.15	0.5	25	89	199	477	6.87	0.27	13	16	3.39	1381	2	0.04	145	0.11	2	176	0.32	208	76
624N –81600E	110	0.2	5.04	4	173	0.3	5	2.93	0.2	23	120	36	668	7.79	0.33	12	13	2.36	1656	6	0.06	46	0.13	2	238	0.34	249	65

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
624N −81650E	460	0.8	4.28	4	259	0.2	5	2.40	0.3	22	140	83	552	7.81	0.53	15	14	2.73	1079	8	0.04	75	0.13	2	186	0.38	230	58
81700	320	1.0	4.77	2	240	0.2	5	2.98	0.4	19	163	38	941	7.99	0.43	14	12	2.38	1071	9	0.04	49	0.15	2	233	0.40	266	50
81750	270	0.2	4.60	9	225	0.2	5	2.83	0.5	24	85	51	642	6.63	0.46	14	13	2.57	724	7	0.04	38	0.14	2	212	0.42	267	48
81800 *	180	0.2	4.39	6	96	0.2	5	2.27	0.4	20	128	36	833	7.33	0.23	13	13	2.86	969	10	0.04	53	0.11	2	233	0.31	222	56
624N −81850E	190	1.0	4.76	7	119	0.3	5	2.88	0.6	25	134	41	1556	8.29	0.24	18	13	2.17	1094	14	0.06	67	0.13	2	273	0.27	209	65
624N − 81900E *¤	5	0.2	1.15	3	70	0.2	5	0.64	0.3	16	13	19	170	1.51	0.11	7	4	0.36	155	1	0.02	9	0.07	2	43	0.08	44	28
625N − 81550E	320	0.4	4.19	2	163	0.2	5	2.40	0.4	23	76	58	562	6.60	0.27	14	12	2.53	1000	5	0.05	49	0.11	2	197	0.32	202	59
81600	3300	3.2	4.40	2	105	0.2	5	1.90	0.2	24	54	61	388	6.46	0.20	13	15	2.92	1745	4	0.04	40	0.10	2	153	0.33	207	75
81650	390	0.4	4.88	2	149	0.3	5	1.47	0.5	20	59	103	467	7.42	0.41	13	20	4.45	2619	1	0.04	100	0.11	2	84	0.30	232	88
625N −81700E	860	1.2	4.13	2	140	0.2	5	2.11	0.3	24	108	78	806	7.92	0.19	15	11	2.40	1376	17	0.04	49	0.10	5	225	0.34	241	70
625N −81750E *	240	0.2	3.90	2	152	0.2	5	1.65	0.3	24	110	43	589	6.95	0.22	14	12	2.62	1213	5	0.04	47	0.13	2	155	0.32	205	63
81800 *	460	0.2	4.27	2	120	0.2	5	2.74	0.2	23	109	26	1083	7.64	0.20	15	9	1.86	836	7	0.05	37	0.13	2	304	0.28	211	40
81850 *	200	0.2	4.65	2	144	0.2	5	2.77	0.4	21	93	27	524	6.28	0.24	12	10	2.32	843	2	0.05	38	0.11	2	293	0.31	211	46
625N − 81900E *	75	0.2	4.25	2	74	0.2	5	3.58	0.2	13	46	11	273	6.02	0.12	10	7	1.30	622	2	0.04	10	0.12	2	211	0.30	218	74
628N − 81450E	390	0.2	5.01	2	266	0.4	5	2.31	0.3	35	47	49	315	7.38	0.33	17	15	1.89	1308	7	0.07	33	0.17	6	282	0.35	211	80
628N −81500E	630	0.2	5.18	2	227	0.4	5	2.93	0.6	29	60	95	530	7.56	0.36	15	17	2.52	1257	3	0.09	42	0.16	2	301	0.45	227	94
81550	910	0.6	5.22	5	149	0.3	5	2.55	0.5	27	95	114	862	8.51	0.33	14	16	3.05	1459	7	0.08	106	0.14	43	235	0.38	217	82
81600	85	0.2	5.44	2	203	0.4	5	2.62	0.5	24	89	44	596	7.57	0.28	12	14	2.07	1547	8	0.08	40	0.16	2	306	0.34	192	77
81650 *	65	0.2	4.45	6	247	0.2	5	2.63	0.7	27	81	38	627	8.22	0.58	14	15	2.34	978	9	0.09	53	0.15	2	225	0.40	217	55
628N − 81700E	5	0.4	5.90	2	207	0.3	5	3.70	0.7	20	140	27	796	8.19	0.45	14	17	2.53	1348	2	0.08	54	0.14	2	382	0.41	221	80

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: SOUP – 45550 **Geol.:** G.G. **Date received:** AUG. 24 LAB CODE: 9408–059
Material: 14 Soils **Sheet:** 1 of 1 **Date completed:** AUG. 31
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 10 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.

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
61700N–81250E	5	0.4	5.97	6	250	0.3	5	3.17	0.5	23	27	36	191	5.48	0.38	10	14	2.01	660	1	0.05	34	0.12	2	202	0.30	178	60
81300	80	0.8	5.66	2	423	0.5	5	1.53	1.2	40	54	33	523	6.43	0.76	20	17	2.79	1418	1	0.05	37	0.14	2	110	0.33	196	104
81350	550	0.4	5.78	4	194	0.4	5	2.77	0.6	31	44	72	317	6.55	0.29	14	14	2.94	1323	1	0.05	61	0.13	3	182	0.36	229	90
61700N–81400E	70	0.4	5.61	2	199	0.4	5	2.27	0.8	30	55	79	383	6.83	0.35	14	13	2.57	1281	1	0.05	53	0.15	6	196	0.30	227	91
62500N–81400E	100	0.4	4.21	2	310	0.4	5	2.02	0.7	23	69	54	428	11.95	0.48	11	12	1.61	1197	2	0.04	55	0.14	6	162	0.25	196	70
62500N–81450E	25	0.4	4.25	5	115	0.3	5	2.02	0.7	26	63	352	355	7.96	0.39	11	17	4.44	1524	2	0.04	207	0.13	2	82	0.32	165	92
62500N–81500E	310	1.0	4.65	2	175	0.3	5	2.61	0.2	29	87	49	599	7.40	0.34	12	12	2.43	1212	10	0.06	44	0.13	3	231	0.36	227	79
62600N–81500E	75	0.6	5.28	2	177	0.4	5	2.56	1.0	31	55	81	394	6.28	0.29	12	13	2.27	1318	1	0.09	57	0.14	5	269	0.31	204	83
81550	150	1.4	4.48	2	231	0.4	5	2.10	0.8	33	50	40	268	6.12	0.28	13	13	2.38	1257	2	0.06	33	0.13	5	255	0.34	183	85
62600N–81600E	250	0.8	5.24	2	304	0.5	5	3.17	0.8	32	83	32	622	7.34	0.59	13	16	2.79	1494	6	0.05	38	0.16	6	320	0.42	219	101
62600N–81650E	480	1.2	4.85	8	190	0.4	5	3.04	0.6	33	192	39	1132	8.84	0.33	14	10	1.57	1160	13	0.08	55	0.20	4	341	0.33	219	59
81700	240	1.0	5.32	2	152	0.5	5	3.24	0.5	31	253	38	1235	8.93	0.28	13	10	1.62	1502	15	0.06	104	0.22	5	391	0.30	225	64
62600N–81800E •	300	2.8	4.65	2	176	0.4	5	3.13	0.5	31	167	14	5226	8.05	0.26	13	8	1.30	845	19	0.04	27	0.15	2	427	0.32	205	54
62800N–81400E	430	1.8	4.47	2	227	0.4	5	2.32	0.6	31	63	130	344	6.68	0.41	12	13	2.51	1460	9	0.07	106	0.10	20	201	0.27	182	105

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NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: SOUP – 45550 **Geol.:** G.G. **Date received:** AUG. 04 **LAB CODE:** 9408–014

Material: 7 Soils **Sheet:** 1 of 1 **Date completed:** AUG. 15

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 10 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.

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
27N – 81400E soil	110	0.8	5.78	2	359	0.3	5	2.31	0.2	39	43	90	350	6.36	0.47	11	15	2.53	1430	1	0.08	103	0.12	2	196	0.26	161	81
81450	75	0.2	5.06	2	229	0.3	5	2.99	0.2	39	46	37	387	6.89	0.27	12	13	2.11	1224	5	0.09	34	0.15	4	313	0.36	233	75
81500	120	0.4	5.45	2	241	0.4	5	2.79	0.3	43	51	33	533	6.77	0.32	14	14	2.05	1521	1	0.08	32	0.17	2	375	0.32	210	85
81550	170	0.6	5.79	2	413	0.5	5	3.08	0.6	47	68	35	518	8.10	0.68	15	18	3.40	1892	2	0.06	46	0.20	6	340	0.49	232	119
27N –81600E	8700	2.0	4.96	2	197	0.2	5	2.71	0.2	43	96	94	553	7.71	0.33	12	13	2.40	1364	26	0.06	63	0.12	9	259	0.36	219	73
27N –81650E	200	0.2	5.26	3	154	0.2	5	3.78	0.3	30	74	23	586	6.65	0.30	9	11	2.04	866	2	0.07	33	0.14	2	270	0.36	212	51
27N – 81700E soil	120	0.8	4.97	3	247	0.2	5	2.86	0.4	38	90	33	865	7.25	0.51	11	16	3.19	1470	1	0.05	49	0.14	2	242	0.40	224	77

GR 99

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: SOUP – 45550 **Geol.:** G.G. **Date received:** AUG. 04 **LAB CODE:** 89408-014
Material: 7 Rx **Sheet:** 1 of 1 **Date completed:** AUG. 18
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 10 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.

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
GG0150 rx	10	0.2	3.92	7	72	0.2	5	4.23	0.3	61	24	45	150	7.34	0.18	9	8	1.35	652	1	0.08	15	0.10	4	278	0.41	279	49
157	5	0.2	0.20	2	5	0.2	5	0.51	0.2	11	3	167	92	0.58	0.01	2	2	0.21	181	1	0.01	5	0.01	10	3	0.01	15	5
158	5	1.2	1.60	4	177	0.2	5	2.18	0.4	30	13	112	1124	3.30	0.30	6	6	1.14	436	1	0.05	8	0.06	4	25	0.11	120	31
163	6100	8.0	0.41	222	110	0.2	5	0.03	0.2	8	75	110	2337	22.48	0.19	7	2	0.12	118	149	0.03	21	0.07	1898	14	0.03	173	125
GG165	3300	4.8	5.09	11	700	0.2	5	2.13	0.2	44	185	52	4993	15.20	1.13	12	18	3.06	828	16	0.09	34	0.11	8	122	0.36	331	87
GG169	4100	9.6	0.57	29	672	0.4	5	0.06	0.3	19	230	135	2998	33.70	0.02	15	2	0.18	598	46	0.02	38	0.10	5	14	0.01	214	60
GG0175 rx	60	0.2	4.25	2	319	0.2	5	3.71	0.2	58	26	45	110	5.94	0.67	12	8	1.33	489	1	0.08	26	0.09	2	191	0.41	208	36

0 44 60

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: SOUP – 45550 **Geol.:** G.G. **Date received:** AUG. 05 **LAB CODE:** 9408–021

Material: 52 Rx **Sheet:** 1 of 2 **Date completed:** AUG. 24

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 10 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
125	LE0211 rx	5	0.2	5.02	2	225	0.4	5	4.48	0.2	64	14	19	79	5.38	0.27	10	9	1.61	559	4	0.10	11	0.12	2	227	0.64	252	42
126	LE0223	5000	6.4	1.35	13	590	0.3	5	0.12	0.2	9	212	115	8362	29.85	0.70	12	2	0.17	317	1677	0.06	18	0.19	2	61	0.05	239	35
127	LE0226	5	0.2	3.78	11	90	0.3	5	3.05	0.2	55	19	25	87	7.48	0.33	10	11	3.10	865	6	0.18	21	0.10	2	135	0.56	251	48
128	LE0228	5	0.2	4.97	4	113	0.3	5	3.47	0.2	53	18	19	89	6.37	0.32	10	14	2.83	650	3	0.08	22	0.10	2	223	0.48	256	46
129	LE0229	50	0.2	4.26	2	138	0.5	5	4.47	0.2	59	22	49	404	12.96	0.23	15	5	0.60	513	6	0.09	5	0.15	2	372	0.30	134	33
130	LE0230	180	0.2	0.81	14	65	0.5	6	0.13	0.2	6	4	33	357	34.04	0.18	12	2	0.28	337	8	0.05	13	0.09	2	24	0.15	143	49
131	LE0237	20	0.4	4.10	2	177	0.4	5	3.78	0.3	56	47	63	404	6.03	0.36	12	8	1.48	490	4	0.08	32	0.11	2	225	0.44	198	40
132	LE0238	5	0.2	4.61	2	310	0.3	5	3.90	0.4	56	16	29	179	5.27	0.51	10	8	1.29	433	1	0.09	12	0.11	2	214	0.58	234	32
133	LE0246	5	0.2	4.02	5	38	0.4	5	5.20	0.3	55	37	160	95	7.07	0.19	9	18	4.80	807	3	0.05	57	0.07	2	77	0.08	267	70
134	LE0250	740	0.4	1.95	2	123	0.2	5	0.77	0.2	20	33	209	35	5.11	0.25	5	8	1.69	503	41	0.04	35	0.04	2	17	0.09	140	43
135	LE0254	20	0.2	4.10	8	28	0.4	5	6.31	0.7	63	37	157	119	6.97	0.15	13	18	4.78	1051	5	0.04	55	0.12	2	90	0.31	247	65
136	LE0258 S	180	1.6	3.81	133	5	0.3	5	3.68	0.2	44	339	31	914	10.27	0.03	9	2	0.68	1261	24	0.02	10	0.05	2	37	0.02	44	39
138	LE0259	240	2.4	2.73	2	68	0.3	5	2.33	0.2	54	53	80	1124	11.82	0.12	23	5	1.00	288	50	0.06	38	0.10	2	233	0.30	220	27
139	LE0260	60	0.2	3.45	2	76	0.3	5	2.69	0.4	47	26	31	373	5.97	0.28	11	8	1.49	383	1	0.08	18	0.12	2	212	0.41	214	30
140	LE0261	10	0.2	4.23	2	148	0.3	5	3.62	0.4	53	15	36	77	5.19	0.35	11	9	1.54	504	2	0.10	13	0.10	2	190	0.47	213	38
141	LE0265	5	0.2	0.08	2	5	0.2	5	0.02	0.2	5	2	283	12	0.59	0.02	2	1	0.03	35	12	0.01	4	0.01	2	2	0.01	8	4
142	LE0266	5	0.2	3.89	4	129	0.4	5	3.79	0.9	62	21	37	66	6.37	0.45	13	9	1.90	925	2	0.20	10	0.12	2	196	0.53	223	60
143	LE0269	5	0.2	4.39	6	128	0.4	5	3.67	0.6	60	34	31	157	8.02	0.29	15	14	2.90	1252	1	0.35	19	0.11	2	119	0.48	303	115
144	LE0270	10	0.2	4.43	10	279	0.3	5	3.63	0.2	58	10	15	68	4.55	0.61	8	9	0.82	354	1	0.11	3	0.13	2	255	0.33	136	28
145	LE0273	1100	2.0	0.46	2	39	0.2	5	0.12	0.2	5	54	287	103	11.37	0.14	2	1	0.09	190	37	0.01	16	0.04	2	9	0.01	80	23
146	LE0276	10	0.2	2.92	2	130	0.3	5	2.23	0.2	49	20	123	236	4.12	0.36	8	5	1.23	258	1	0.08	32	0.09	2	212	0.21	112	25
147	LE0277	10	0.2	4.30	5	132	0.4	5	5.25	0.5	68	25	82	67	5.81	0.27	12	11	2.87	890	1	0.08	34	0.08	2	205	0.35	218	58
148	LE0278	5	0.2	5.29	2	202	0.3	5	6.27	0.7	72	10	48	174	5.53	0.16	9	4	0.25	598	1	0.06	14	0.11	2	332	0.46	225	13
151	LE0280	5	0.2	5.48	14	93	0.6	13	5.44	0.6	77	53	608	82	6.40	0.25	14	22	8.29	1049	1	0.03	484	0.11	2	65	0.30	170	80
152	LE0281	40	0.2	4.64	2	231	0.4	5	3.86	0.2	66	15	32	153	5.58	0.61	10	7	1.44	498	2	0.14	15	0.11	2	264	0.48	221	40
153	LE0284	1100	0.2	5.70	2	1121	0.5	5	0.64	0.2	27	29	59	47	8.05	2.32	8	9	1.56	398	2	0.06	18	0.12	2	47	0.34	333	44
154	LE0286	5	0.2	5.22	2	144	0.4	5	4.78	0.2	78	31	78	185	6.76	0.22	13	12	2.38	956	2	0.10	41	0.11	2	343	0.44	235	64
155	LE0288	50	0.2	0.66	18	1001	0.4	5	12.29	1.6	93	8	180	33	1.36	0.07	9	7	0.90	1225	10	0.04	26	0.03	5	385	0.01	59	44
157	LE0291	30000	7.2	0.28	2	93	0.2	5	0.05	0.2	7	8	190	342	9.13	0.14	3	1	0.05	55	42	0.13	1	0.05	2	16	0.12	61	10
158	LE0295	10	0.2	6.10	4	238	0.4	5	6.07	0.2	82	29	17	188	7.54	0.50	12	11	2.20	1055	1	0.11	10	0.10	2	291	0.44	340	88
159	LE0305	230	0.2	6.14	2	1615	0.4	5	0.49	0.2	26	16	35	581	10.31	2.48	11	15	2.37	823	4	0.07	14	0.13	2	33	0.47	259	65
160	LE0307	30	0.2	3.60	5	121	0.3	5	3.33	0.2	67	32	40	177	7.00	0.24	11	8	1.15	426	4	0.12	17	0.10	2	216	0.45	270	26
161	LE0309	350	0.2	4.57	8	107	0.7	5	4.87	0.2	107	43	58	5014	10.65	0.18	35	6	0.80	554	3	0.11	30	0.21	2	368	0.36	189	39
162	LE0312	3600	1.6	2.96	14	31	0.5	5	3.54	0.2	266	6	43	683	24.37	0.08	193	3	0.10	483	17	0.07	10	0.10	2	263	0.23	163	39
164	LE0319	20	0.2	5.09	11	52	0.4	8	4.59	0.3	78	20	31	139	6.65	0.16	15	12	2.35	650	4	0.12	24	0.09	2	222	0.62	297	43

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
165	GG0178	40	0.2	1.96	12	9	0.3	9	5.62	0.8	79	32	137	28	4.30	0.05	11	10	2.35	671	8	0.05	31	0.08	5	145	0.14	162	38
166	GG0181	20	0.2	3.41	18	25	0.3	5	4.38	0.2	68	93	135	148	6.51	0.11	10	6	1.65	649	4	0.12	65	0.10	2	233	0.24	153	40
167	GG0183	20	0.2	4.62	3	242	0.3	5	3.76	0.2	70	30	30	262	5.02	0.67	13	8	0.93	374	4	0.11	16	0.09	2	241	0.60	216	24
168	GG0189	1400	1.6	0.19	2	24	0.2	5	0.07	0.2	5	5	248	42	2.06	0.04	2	1	0.10	55	128	0.04	5	0.02	3	8	0.03	25	6
169	GG0193	10	0.2	4.07	17	209	0.6	9	8.79	0.4	95	34	128	165	8.19	0.76	14	17	2.86	1210	4	0.07	42	0.09	2	124	0.32	284	91
170	GG0194	30	0.2	3.50	20	190	0.6	5	7.96	1.2	92	30	187	50	10.47	0.54	14	22	3.55	1436	4	0.07	50	0.14	6	158	0.09	344	102
171	GG0197	5	0.2	0.41	6	11	0.2	5	0.86	0.8	28	6	319	385	1.04	0.02	5	4	0.47	178	10	0.02	12	0.02	2	12	0.03	33	15
172	GG0198	5	0.2	3.23	19	160	0.5	7	7.20	0.9	81	46	113	283	7.81	0.29	11	18	3.06	1025	2	0.06	49	0.10	2	84	0.40	283	57
173	GG0201	140	23.2	0.63	19	19	0.3	8	6.01	2.9	70	58	171	41000	5.16	0.03	8	6	0.48	736	9	0.03	21	0.05	2	75	0.08	72	34
175	GG0204	10	0.2	2.12	14	58	0.3	12	4.98	0.3	63	52	81	103	10.82	0.33	11	10	3.42	640	2	0.18	47	0.04	2	39	0.40	474	47
176	GG0205	3700	4.4	0.46	57	15	1.0	29	2.03	0.2	58	359	39	3518	38.59	0.05	22	5	0.49	562	81	0.03	44	0.13	13	10	0.07	263	61
178	GG0216	140	0.2	8.04	2	709	0.5	13	1.05	0.2	36	22	34	1134	12.56	2.54	15	20	3.88	1284	1	0.04	26	0.13	2	18	0.54	305	140
179	GG0218	5	0.2	5.95	8	226	0.4	7	4.83	0.3	74	16	29	81	6.88	0.54	12	10	1.74	591	2	0.09	16	0.09	2	257	0.40	296	39
180	GG0228	5	0.2	5.80	10	113	0.4	11	4.90	0.3	76	16	31	124	6.13	0.36	13	12	2.09	603	1	0.08	24	0.10	2	271	0.45	244	36
181	GG0229	20	0.2	5.63	2	1194	0.6	5	2.78	0.2	60	23	46	1011	10.73	0.97	15	9	0.88	356	9	0.09	28	0.11	2	310	0.35	286	42
182	GG0231	360	0.2	2.14	43	249	0.5	5	1.17	0.2	39	45	82	1510	31.50	0.47	22	6	0.54	379	35	0.14	18	0.17	2	185	0.25	211	56
183	GG0232 rx	550	0.4	0.14	26	79	0.9	36	0.10	0.2	11	42	277	289	45.56	0.10	20	2	0.09	238	11	0.02	58	0.13	11	28	0.39	267	74

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: SOUP – 45550 **Geol.:** G.G. **Date received:** AUG. 10 **LAB CODE:** 9408–031

Material: 37 Rx **Sheet:** 1 of 2 **Date completed:** AUG. 26

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 10 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. o.	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
6	GG0207 rx	11000	19.2	0.28	92	68	0.5	5	0.02	0.2	173	1076	40	1428	27.80	0.08	155	1	0.06	196	888	0.11	11	0.11	18	58	0.01	226	26
8	GG0208	70	0.4	4.33	2	339	0.3	5	3.10	0.2	64	16	22	77	5.82	0.56	12	7	1.43	455	3	0.07	13	0.08	2	224	0.35	206	39
9	GG0209	50	0.2	1.66	9	45	0.3	5	2.67	0.2	59	24	40	1539	16.28	0.10	15	7	1.43	859	1	0.04	14	0.06	2	42	0.20	193	54
1	GG0212	5	0.8	1.90	10	26	0.2	9	2.81	0.8	58	16	91	1406	2.65	0.07	7	11	2.28	448	3	0.03	37	0.06	33	11	0.20	122	45
2	GG0214	790	0.4	0.59	35	107	0.3	13	0.06	0.2	8	394	85	2042	41.75	0.24	26	2	0.08	223	25	0.08	25	0.20	2	79	0.07	308	50
3	GG0220	5	0.2	3.45	2	195	0.4	11	3.47	0.3	68	34	47	198	8.35	0.40	14	13	3.08	936	2	0.08	26	0.12	2	74	0.41	317	78
4	GG0221	20	0.4	4.92	2	353	0.4	5	4.07	0.6	78	22	9	202	6.41	0.74	12	11	2.08	1017	1	0.08	8	0.13	2	183	0.36	221	79
5	GG0223	590	0.8	1.08	2	229	0.2	5	0.06	0.2	5	39	5	55	6.45	0.52	3	2	0.14	111	3	0.02	4	0.05	8	11	0.05	82	14
6	GG0224	5	0.4	3.60	2	146	0.3	5	3.64	0.2	71	13	46	121	5.26	0.21	10	5	1.45	523	1	0.12	16	0.07	2	159	0.35	199	36
7	GG0225	5700	2.0	0.92	2	94	0.2	5	1.15	0.2	33	21	24	140	6.52	0.15	5	4	0.59	409	58	0.11	10	0.09	2	24	0.02	63	20
8	GG0236	40	0.2	3.29	5	164	0.3	5	2.58	0.4	66	18	18	199	6.18	0.44	11	10	1.83	451	2	0.11	20	0.10	2	133	0.45	226	33
1	GG0237	5	0.2	2.22	3	337	0.3	5	3.43	0.4	59	12	8	70	2.29	0.56	9	5	0.87	634	3	0.08	7	0.07	2	104	0.15	92	22
2	GG0238	5	0.4	5.17	2	300	0.3	5	3.60	0.3	62	20	14	99	7.10	0.71	15	11	2.14	642	2	0.08	13	0.09	2	180	0.50	285	54
3	GG0241	390	1.2	4.69	7	7	0.5	5	5.11	0.2	71	92	99	951	24.15	0.04	16	3	0.37	390	56	0.05	27	0.19	2	589	0.26	208	37
4	LE0184	11000	4.8	2.83	2	560	0.2	5	0.16	0.2	5	17	90	1832	20.56	1.28	8	4	0.89	456	198	0.09	9	0.14	2	25	0.24	222	46
5	LE0185	60	0.4	6.11	2	292	0.4	9	4.11	1.1	66	87	46	1824	7.14	0.51	16	14	3.37	965	5	0.06	44	0.10	2	212	0.41	279	82
7	LE0187	5600	3.2	2.79	5	357	0.2	5	0.22	0.2	5	37	87	1524	18.94	1.05	8	5	1.09	425	73	0.04	21	0.10	2	26	0.27	203	51
8	LE0188	10	0.4	3.26	2	101	0.3	5	2.01	0.3	45	34	124	285	5.76	0.20	11	8	2.35	394	13	0.07	44	0.09	2	142	0.35	187	37
9	LE0194	320	1.6	2.14	2	169	0.2	5	0.84	0.2	31	12	44	549	5.07	0.28	12	5	1.22	192	6	0.11	13	0.09	2	122	0.30	138	24
0	LE0195	340	2.4	3.51	2	87	0.3	5	3.32	1.0	61	93	83	8709	4.76	0.21	13	6	1.23	392	2	0.07	43	0.10	2	271	0.37	189	30
1	LE0196	9100	0.4	3.73	2	1390	0.3	5	0.17	0.2	7	16	41	433	21.70	2.06	13	9	1.11	562	3	0.05	7	0.10	2	24	0.27	152	55
2	LE0197	8500	1.6	1.99	3	446	0.2	5	0.02	0.2	5	18	57	652	15.80	0.76	8	5	0.82	308	322	0.04	2	0.08	2	14	0.12	160	35
3	WZ0020	1300	1.6	5.06	3	672	0.3	5	0.55	0.2	25	50	43	1396	9.87	1.21	15	16	3.60	1215	6	0.06	35	0.11	2	13	0.54	281	87
4	WZ0021	38000	4.0	2.19	14	297	0.3	5	0.21	0.2	7	29	32	2381	22.35	0.59	13	8	1.47	505	44	0.06	12	0.11	2	27	0.22	176	56
5	WZ0022	240	0.4	5.42	2	983	0.3	5	1.30	0.4	36	13	7	258	3.51	2.53	10	8	1.18	527	1	0.08	8	0.11	2	32	0.20	138	44
6	WZ0023	5600	0.4	4.26	11	1594	0.2	5	0.25	0.2	9	27	29	1176	14.52	1.94	11	11	1.46	576	121	0.12	11	0.11	2	50	0.29	200	56
7	WZ0024	1100	0.8	6.69	2	1534	0.4	10	1.50	0.2	43	37	46	1465	10.69	1.96	16	24	4.11	1243	7	0.05	37	0.11	2	94	0.51	286	88
8	WZ0025	50	0.4	4.11	2	710	0.3	6	1.74	0.5	50	27	22	196	5.34	1.27	13	12	2.09	709	1	0.07	17	0.10	2	91	0.31	188	45
9	WZ0026	110	0.8	5.08	7	425	0.4	12	2.04	0.6	51	39	37	587	7.73	0.86	17	18	3.64	833	10	0.05	35	0.11	2	115	0.48	252	56
0	WZ0027	100	0.4	4.60	6	213	0.4	12	3.40	0.7	66	32	62	793	7.83	0.63	18	14	2.99	805	7	0.11	32	0.10	2	179	0.45	230	49
1	WZ0028	30	0.2	4.12	2	733	0.3	5	1.01	0.2	32	29	28	528	6.00	1.17	11	12	2.26	665	4	0.08	19	0.11	2	82	0.34	199	56
2	WZ0029	2900	0.4	5.75	2	1185	0.4	5	1.15	0.2	37	56	50	1226	13.00	1.62	13	18	3.54	1049	3	0.05	28	0.13	2	101	0.47	272	72
3	WZ0030	1100	0.2	5.73	2	1238	0.3	5	0.69	0.2	24	25	46	775	9.51	1.61	10	21	3.87	1088	2	0.04	37	0.10	2	53	0.44	241	82
5	WZ0031	22000	0.8	2.18	2	975	0.2	5	0.09	0.2	5	7	37	396	19.07	1.26	8	6	0.72	369	3	0.04	2	0.08	2	27	0.20	119	35
6	WZ0032	680	0.2	7.48	2	1348	0.3	5	0.74	0.2	29	11	33	716	12.43	3.03	13	20	3.28	1472	1	0.05	26	0.10	2	46	0.53	265	119

GG

Γ.	SAMPLE	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Ti	V	Zn	9408-031
›.	No.	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	Pg. 2 of 2
7	WZ0033	2400	0.2	5.33	2	955	0.3	5	0.41	0.2	23	19	29	663	16.65	1.99	13	15	2.43	1125	6	0.03	13	0.08	2	29	0.35	202	99	
3	WZ0034 rx	1300	0.2	5.31	2	1036	0.3	10	0.72	0.2	32	22	20	853	10.32	2.06	13	16	2.46	919	7	0.04	17	0.09	2	62	0.39	214	76	

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: SOUP – 45550 **Geol.:** G.G. **Date received:** AUG. 17 **LAB CODE:** 9408–041
Material: 23 Rx **Sheet:** 1 of 1 **Date completed:** AUG. 22
Remarks: * Sample screened @ –35 MESH (0.5 mm)
" Organic, Δ Humus, S Sulfide

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GG – 0251	10	0.2	4.59	6	88	0.3	5	5.62	0.2	84	25	37	184	5.66	0.23	13	5	0.17	364	2	0.08	17	0.08	2	307	0.41	200	14
252	60	4.0	1.38	19	89	0.3	5	6.51	1.2	90	170	47	5928	3.13	0.12	18	10	1.31	721	11	0.06	21	0.06	2	128	0.14	102	32
253	20	0.2	4.14	12	494	0.4	5	3.97	0.2	64	10	68	65	17.65	1.11	11	16	2.35	1156	3	0.03	32	0.08	2	41	0.21	215	155
255	20	0.8	0.96	17	42	0.3	5	17.50	0.2	65	11	74	2706	2.36	0.09	3	9	0.83	1242	3	0.04	9	0.04	2	143	0.05	85	28
GG – 256	10	0.2	4.55	2	169	0.2	5	4.80	0.2	74	7	22	316	7.04	0.46	11	5	0.44	351	1	0.11	6	0.13	2	323	0.39	220	19
GG – 259	970	2.4	3.19	2	72	0.2	5	2.67	0.2	81	41	261	1855	8.99	0.16	33	7	1.97	435	5	0.10	206	0.04	2	180	0.25	224	42
261	2100	1.2	5.61	2	32	0.2	5	0.64	0.2	25	162	83	2120	17.60	0.16	8	25	5.23	1172	61	0.02	46	0.08	2	29	0.34	503	125
262	1200	3.2	1.05	5	71	0.2	5	0.19	0.2	16	70	141	2127	24.71	0.17	4	3	0.42	181	324	0.05	6	0.06	2	14	0.19	325	35
263	60	0.2	4.56	7	46	0.2	5	4.00	0.2	53	80	75	8615	5.49	0.16	4	11	2.57	625	1	0.10	58	0.04	2	195	0.34	233	46
GG – 264	100	0.4	3.93	13	196	0.3	5	4.88	1.1	86	46	36	1057	7.76	0.42	11	23	3.65	1313	2	0.05	32	0.07	2	56	0.31	386	86
GG – 265	5100	22.4	2.12	12	63	0.2	5	3.00	0.2	67	90	60	3950	18.96	0.10	14	11	1.65	725	68	0.04	19	0.08	2	80	0.14	190	58
268	690	4.8	4.55	2	457	0.2	5	2.71	0.2	67	51	8	14000	3.21	1.08	11	5	0.34	256	3	0.09	20	0.04	2	234	0.26	53	30
269	1900	2.4	0.76	2	264	0.2	5	0.09	0.2	20	10	147	422	3.76	0.15	4	4	0.40	112	2	0.06	2	0.05	2	10	0.04	44	21
273	10	0.4	0.56	2	55	0.2	5	0.98	0.2	24	2	175	43	0.65	0.12	3	3	0.16	200	1	0.02	3	0.01	2	22	0.03	23	8
GG – 274	130	0.4	1.76	5	125	0.2	5	1.33	0.2	35	45	38	3756	5.19	0.28	9	6	1.14	588	4	0.07	5	0.11	2	29	0.32	153	62
GG – 277	2500	0.8	5.15	3	1022	0.2	5	3.64	0.2	64	118	47	2363	9.55	1.22	14	17	3.03	938	5	0.05	34	0.11	2	77	0.37	269	87
278	40	0.2	5.16	8	386	0.2	5	4.29	0.2	69	49	72	821	7.87	1.01	13	18	3.58	829	1	0.06	40	0.11	2	78	0.31	289	84
279	140	1.2	3.95	7	71	0.2	5	3.97	0.3	62	35	125	1546	5.99	0.15	13	8	3.07	691	2	0.18	56	0.10	2	173	0.34	178	70
280	70	0.4	4.63	3	190	0.2	5	2.07	0.4	56	361	203	5514	7.64	0.35	16	16	4.23	951	3	0.05	118	0.13	2	53	0.28	232	82
GG – 282	200	0.8	3.67	3	51	0.2	5	3.90	0.2	70	51	105	2495	4.43	0.13	12	5	1.29	375	2	0.09	28	0.07	2	300	0.27	199	24
GG – 283	50	0.2	3.68	2	349	0.2	5	2.04	0.2	56	18	16	5114	8.02	0.60	12	9	1.56	378	1	0.07	19	0.07	2	165	0.26	461	42
286	1400	6.4	5.76	8	638	0.4	5	4.40	7.6	86	123	17	12000	9.94	1.91	16	17	2.44	1178	15	0.05	28	0.13	2	80	0.28	242	505
GG – 0287	140	4.4	3.65	2	191	0.3	5	3.54	1.0	77	134	25	6811	7.21	0.47	15	14	2.24	996	120	0.06	18	0.10	7	97	0.31	228	241

108 98'99

SER	LOCATIONX	LOCATIONY	LOCATIONZ	LOCATIONG	DAY	EXPOSURE	UNIT	COLOR	TEXTURE	HORNFELS	PROPYLITC	ARGILLIC	SERICITIC	POTASSIC	SILICA	CARBONATE	CHLORITE	EPIDOTE	PYRITE	PYRRHO	CPY	MAGN	LITHO	SAMPLETYP	COMMENTS
50	980909	6282221	0	9	07/23/94	OUTCROP	DIOR	DKGREEN	mg	none	mod	none	none	none	none	mod	weak	mod	none	none	none	strong	MELANOCRAT	GRAB	oc veins/fracs. Epid on fracs & pleg phenos. Minor malachite.
57	980886	6282267	0	9	07/23/94	FLOAT		WHITE	eg	none	none	none	none	none	none	none	none	none	none	none	none	none		GRAB	Qtz-chlor-cc +/- epid vein material
54	981011	6282209	0	9	07/23/94	SUBOTC		WHITE	fg	none	none	none	none	none	none	none	none	none	none	none		2	none	ASHTF	GRAB	Qtz-chlor &opy, malachite, bornite? in qv in diorite
53	981127	6282107	0	9	07/23/94	FLOAT		RED	fg														verystrong		GRAB	v. ruety, limonitic +qz+magn stringers & peg disseminations
55	981151	6282091	0	9	07/23/94	OUTCROP	DIOR	GREY-GREEN	cg																GRAB	v. chlor. vein frac with pc.
59	981027	6281885	0	9	07/24/94	SUBOTC	AUGPORPH	RED	fg	none	none	none	none	none	none	none	none	none	none	none	none	none	verystrong		GRAB	goethitic limonitic qz-magn ff spalling ridge
75	981036	6281849	0	9	07/24/94	TALUS	AUGPORPH	GREY-GREEN	porphyritic	weak	none	none	none	none	none	none	none	none	mod		2	none	none	mod	FLOW	GRAB	fg, dse py on fracs & replacing aug phenos
78	980966	6282462	0	9	07/29/94	TALUS		WHITE		none	none	none	none	none	none	none	none	none	none	none	none	none	none		GRAB	qz, cc, chlor vein in talus
81	980848	6282560	0	9	07/29/94	TALUS	AUGPORPH	MDGREEN	mg	none	none	none	none	none	none	none	none	weak	mod		5	none	none	weak	FLOW	GRAB	Chlor exotics. Fg dss py. Epid fracs & pleg. Qz-epid vnlts
83	980568	6282478	0	9	07/29/94	OUTCROP	AUGPORPH	LIMONITIC	porphyritic	none	none	none	none	none	none	none	none	none	none		4	none	none	none	FLOW	GRAB	4% fg-mg dss & ff py. Bleached, no shrt.
80	980544	6282443	0	9	07/29/94	OUTCROP	AUGPORPH																		CHIP	0.4m chip across limonitic,brecked qv
93	981178	6281870	0	9	07/29/94	SUBOTC	AUGPORPH	GREY-GREEN	porphyritic	none	none	none	none	none	none	mod	strong	weak			1	none		1	strong		GRAB	magn, cc, chlor, qz ff
94	981212	6281946	0	9	07/29/94	SUBOTC	AUGPORPH	GREY-GREEN	porphyritic	none	none	none	none	none	none	mod	strong	weak			1	none	none	strong	FLWBX	GRAB	chlor, qz, magn, lesser qz ff up to 80cms. Strikes 350
97	981295	6281928	0	9	07/29/94	SUBOTC		WHITE	none	none	none	none	none	none	none	weak	weak	none	none	none	none	1	none		GRAB	qz vn with minor pc, chlor, mal, opy
96	981294	6281925	0	9	07/29/94	OUTCROP										mod	strong	none	none	none	none	1	strong		GRAB	heaved foliated, calcareous shear at 186
101	981404	6281889	0	9	07/29/94	SUBOTC	AUGPORPH	WHITE													1	none		2	none		GRAB	qz(cc) vein & malachite 135/50
104	981292	6281995	0	9	07/29/94	TALUS	PYROXENITE	DKGREEN	cg															verystrong		GRAB	magn on fracs
105	981292	6281995	0	9	07/29/94	TALUS	PYROXENITE	DKGREEN	cg															1	verystrong		GRAB	magn,cc,qz in veins, ff. Malachitey locally
107	980917	6282022	0	9	07/29/94	FLOAT		LIMONITIC																	strong		GRAB	v. limonitic, magn,qz rich rock
108	980924	6282003	0	9	07/29/94	SUBOTC	AUGPORPH	LIMONITIC	mg	none	none	none	none	none	none	none	none	none	none		3	none	none	none	FLOW	GRAB	Bleached. Fg dss & ff py
109	980916	6281986	0	9	07/29/94	FLOAT																	tr	verystrong		GRAB	qz,magn,chlor,mala in aug por
112	980888	6281926	0	9	07/29/94	OUTCROP		WHITE															<1			GRAB	qv with mala @ 200/60
114	980853	6281890	0	9	07/29/94	TALUS		LIMONITIC	fg															strong		GRAB	v. limonitic/goethitic chunk(10cms) with bowk text & some magn
116	980807	6282029	0	9	07/29/94	TALUS	ANDESITE	DKGREEN	fg	none	none	none	none	none	none	none	strong	none	none	none	none	<1	strong		GRAB	v. chlor,magn rich rx with qz,pc ff(minimal).
118	980819	6282000	0	9	07/29/94	OUTCROP	DIOR	MDGREEN	fg	mod	none	none	none	none	weak	none	none	none			2	none	none	weak		GRAB	rusty,blocky weathering. Fg, dss py/po
120	980884	6281945	0	9	07/30/94	OUTCROP	AUGPORPH	LTGREEN	foliated	none	none	none	none	none	none	mod	mod	mod	none	none	none	mod		GRAB	well sheared @ 355/60
121	980858	6281936	0	9	07/30/94	OUTCROP	DIOR	GREY-GREEN	mg	none	none	none	none	none	none	none	none	none	weak	tr	none	none	mod		GRAB	massive texture, blocky frac
123	980835	6281891	0	9	07/30/94	OUTCROP	DIOR	GREY-GREEN	mg	none	none	none	none	none	none	none	none	none	none		2	none	none	none		GRAB	qz-limonite vein(10cms). Weathered py .038/55
124	980808	6281922	0	9	07/30/94	OUTCROP	GABBROID	GREY-GREEN	porphyritic	none	none	none	none	none	none	weak	none	none	none		3	none	none	none		GRAB	rusty frac surf,gabbroid text due to prox to contact.
126	980862	6282112	0	9	07/30/94	OUTCROP	AUGPORPH	LTGREEN	weodfrag	mod	none	none	none	none	none	none	none	none	weak		2	none	none	none	FLOW	GRAB	vfg dss & ff py. Augfield phyric. Same as LE0224.
129	980838	6282159	0	9	07/30/94	OUTCROP		LIMONITIC	foliat	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	FLTBX	COMPGRAB	limonitic, chlorit fltbx, 0.5m composite, @ @ 184/60

BER	LOCATIONX	LOCATIONY	LOCATIONZ	LOCATIONG	DAY	EXPOSURE	UNIT	COLOR	TEXTURE	HORNFELS	PROPYLITC	ARGILLIC	SERICITIC	POTASSIC	SILICA	CARBONATE	CHLORITE	EPIDOTE	PYRITE	PYRRHO	CPY	MAGN	LITHO	SAMPLETYP	COMMENTS
31	980557	9292181	0	0	07/30/94	OUTCROP	SKARN	LIMONITIC	mg	none	none	none	none	none	none	none	none	none	none	none	none	verystrong		CHIP	1.0m chip. Same as d-207(TECK7). Bedding not evident- looks struc controlled
32	980563	9292167	0	0	07/30/94	OUTCROP	SKARN	LIMONITIC														verystrong		GRAB	massive magn oc
36	980723	9292047	0	0	08/11/94	OUTCROP	ANDESITE	MDGREEN	fg	mod	none	none	none	none	none	none	none	weak	2	none	none	weak	FLOW	GRAB	fg aug/feld phyric dp. Rusty fracs
37	980691	9292067	0	0	08/11/94	OUTCROP	MONZ	MDGREY	porphyritic	none	none	none	none	none	none	none	mod	none	1	none	none	none		GRAB	Random qz-chlor veins. Chlor matrix. Pyrrho, dissem. ff
38	980579	9292108	0	0	08/11/94	OUTCROP	AUGPORPH	DKGREEN	porphyritic	none	none	none	none	none	none	none	weak	weak	1	1	none	mod	FLOW	GRAB	Rusty frac zone in massive/gr augpor.
41	980609	9292036	0	0	08/11/94	OUTCROP	AUGPORPH	DKGREEN	porphyritic	none	none	none	none	none	none	none	none	none	none	none	none	strong	FLOW	GRAB	V. rusty with fracs @ 310/58 with rare, py,magnet
51	981233	9291875	0	0	08/14/94	OUTCROP	AUGPORPH	MDGREEN	porphyritic	none	none	none	none	none	none	none	weak	mod	3	none	none	mod		GRAB	Rusty, py zone in sp
52	981213	9291823	0	0	08/14/94	OUTCROP	AUGPORPH	MDGREEN	porphyritic	none	mod	none	none	none	none	mod	mod	mod	none	none	none	none		GRAB	Qtz/oc veined sp wkly chlor,weng,cpy, malach. Same as 90A 397
53	981222	9291799	0	0	08/14/94	OUTCROP	AUGPORPH	MDGREEN	porphyritic	none	weak	none	none	none	none	mod	mod	mod	none	none	none	strong		GRAB	Area of ins in chlor,mang,qz,carb veins +/- magn + malachite.
55	981225	9291778	0	0	08/14/94	OUTCROP	AUGPORPH	MDGREEN	porphyritic	none	none	none	none	none	none	none	none	none	none	none	none	none	FLTBX	GRAB	Qtz/oc,chlor, cpy vein(hybrid zone)
56	981280	9291784	0	0	08/14/94	OUTCROP	AUGPORPH	LIMONITIC	porphyritic	none	none	none	none	none	none	none	none	none	none	tr	none	none	none	GRAB	Hybrid zone between diorite/augpor
59	981317	9291817	0	0	08/14/94	OUTCROP	PYROXENITE	DKGREEN	cg	none	none	none	none	none	none	none	none	mod	none	none	none	none	strong	GRAB	Dyke in cg dior wkly magn, malach, py,cpy in rusty frac zone. Same as Teck 420,421
61	981309	9291782	0	0	08/14/94	OUTCROP	DIOR	DKGREEN	cg	none	none	none	none	none	none	none	none	none	none	none	none	none	strong	GRAB	Oxidized magn,qtz material in frac. Malach on selvages Pyrox host
62	981344	9291778	0	0	08/14/94	FLOAT		LIMONITIC	mg	none	none	none	none	none	none	none	none	none	none	none	none	none	strong	GRAB	Magn/qz material from sheer
63	981390	9291770	0	0	08/14/94	OUTCROP	DIOR	LTGREY	mg	none	none	none	none	none	none	none	none	weak	none	none	none	none	mod	GRAB	Bleached, fracdior with malach/sulr
64	981402	9291746	0	0	08/14/94	OUTCROP	PYROXENITE	DKGREEN	sheared	none	none	none	none	none	none	none	mod	strong	weak	none	none	none	strong	COMPGRAB	3-4m wide sheared pyrox body @ 183
65	981423	9291718	0	0	08/14/94	OUTCROP	DIOR	DKGREEN	mg	none	none	none	none	none	none	none	mod	mod	weak	none	none	none	strong	GRAB	In frac; qtz-magn-malachite
68	981380	9291870	0	0	08/14/94	OUTCROP	DIOR	MDGREY	mg	none	none	none	none	none	none	none	mod	weak	weak	none	none	none	none	GRAB	Malach on frac surf.Colepld on fracs & chlor.
69	981366	9291837	0	0	08/14/94	OUTCROP	DIOR	GREY-GREEN	mg	none	none	none	none	none	none	none	none	none	weak	none	none	none	weak	GRAB	Qz with magn diss/stringers in 0.2m vein in frac
73	981167	9291757	0	0	08/14/94	OUTCROP	DIOR	GREY-GREEN	mg	none	none	none	none	none	none	none	none	none	none	none	none	none	mod	CHIP	0.2m wide bull qz vein
74	981189	9291742	0	0	08/14/94	OUTCROP	DIOR	GREY-GREEN	mg	none	none	none	none	none	none	none	none	none	none	1	1	1	mod	GRAB	0.1m wide qz,mals,chlor, cpy,py vein in unalt diorite
77	981230	9291967	0	0	08/14/94	OUTCROP	ANDESITE	MDGREEN	mg	none	none	none	none	none	none	none	weak	weak	weak	1	none	tr	mod	GRAB	Qz,cpy,magn vein &ff in andes
78	981268	9291700	0	0	08/14/94	OUTCROP	DIOR	GREY-GREEN	mg	none	none	none	none	none	none	none	weak	weak	none	none	none	none	strong	GRAB	Malach/gb/chlor in sheer zone
79	981252	9291719	0	0	08/14/94	OUTCROP	DIOR	GREY-GREEN	mg	none	none	none	none	none	none	none	none	none	none	none	none	none	mod	GRAB	Malach ff on diabase dyke/alt cutting diorite
80	981283	9291721	0	0	08/14/94	OUTCROP	DIOR	GREY-GREEN	mg	none	none	none	none	none	none	none	mod	mod	weak	1	none	none	mod	CHIP	2.0m chip across weak-qz frac ff
81	981283	9291721	0	0	08/14/94	OUTCROP	DIOR	GREY-GREEN	mg															CHIP	As above. Mag/malach/sulr/gb/colepld ff
82	981270	9291729	0	0	08/14/94	OUTCROP	DIOR	GREY-GREEN	mg	none	none	none	none	none	none	none	weak	none	weak	none	none	none	mod	CHIP	0.6m chip across frac with malach/magn
83	981319	9291722	0	0	08/14/94	OUTCROP	DIOR	GREY-GREEN	cg	none	none	none	none	none	none	none	weak	weak	weak	1	tr	none	strong	LEUCOCRAT	GRAB	Malach on fracs with local qz,chlor,epid. Interstitial magn
246	981462	9291559	0	0	08/14/94	OUTCROP	DIOR	GREY-GREEN	mg	none	none	none	none	none	none	none	none	none	none	none	none	tr	none	GRAB	Malach,qtz,cpy in frac in dior. Teck # 447
287	981475	9291562	0	0	08/14/94	OUTCROP	DIOR	GREY-GREEN	mg	none	none	none	none	none	none	none	weak	mod	none	1	none	1	none	CHIP	Calcpy/bo/py/chlor vein with weng coating. 0.1m wide
290	981455	9291612	0	0	08/14/94	OUTCROP	DIOR	DKGREEN	mg											3	1	1	mod	GRAB	Bleached frac zone with cpy/bn/bo? Minor magn.Minor diss cpy in bleached area.

SER	LOCATIONX	LOCATIONY	LOCATIONZ	LOCATIONS	DAY	EXPOSURE	UNIT	COLOR	TEXTURE	HORNFELS	PROPYLITC	ARGILLIC	SERICITIC	POTASSIC	SILICA	CARBONATE	CHLORITE	EPIDOTE	PYRITE	PYRRHO	CPY	MAGN	LITHO	SAMPLETYP	COMMENTS
91	881479	6261619	0	9	08/14/94	OUTCROP	DIOR	GREY-GREEN	eq	none	none	none	none	none	none	none	none	none	1	none	1	weak		CHIP	0.1m chip across qtz/chl/ank/ser/mang vein
92	881524	6261581	0	9	08/14/94	FLOAT	MONZ	LTGREY	eq	none	none	none	none	none	none	none	none	none	2	none	1	weak		GRAB	Malach,py,cpy? Minor oc epid,chlor on fracs
95	881587	6261804	0	9	08/14/94	OUTCROP	DIOR	MDGREY	eq	none	none	none	none	none	none	weak	weak	mod	2	1	1	strong		COMPGRAB	Malach,azur,py,cpy,mang,magn in 1-2m wide sheared,frac rusty zone(5m long)
96	881586	6261803	0	9	08/14/94	FLOAT									mod	none	strong	none	none	none	none	verystrong		GRAB	Qz,magn(semi-massive,oc) & chlor vein in float
100	881481	6261272	0	9	08/14/94	FLOAT	AUGPORPH	ORANGE	foliated	none	none	none	none	none	none	mod	weak	none	none	none	none	mod		GRAB	Qz,epidote,foliated alt augpor
109	881499	6261103	0	9	08/18/94	OUTCROP	GABBROID	DKGREEN	cg	none	none	none	none	none	none	weak	weak	weak	tr	none	none	mod		GRAB	Local rusty zones with malachite on fracs & eq magn blebs on some fracs
110	881568	6261087	0	9	08/18/94	OUTCROP	GABBROID	DKGREEN	eq	none	none	none	none	none	none	mod	mod	mod	none	none	none	mod		GRAB	Mg-og gabbroid. Near intrusive contact
113	881613	6261074	0	9	08/18/94	OUTCROP	AUGPORPH	DKGREEN	eq	none	none	none	none	none	none	mod	strong	weak	none	none	none	mod		GRAB	Shear on FW of mong dyke
114	881656	6261066	0	9	08/18/94	FLOAT	AUGPORPH	GREY-GREEN	eq	none	none	none	none	none	none	none	none	weak	5	none	none	strong		GRAB	Limonitic, in talus
115	881668	6261050	0	9	08/18/94	OUTCROP	GABBROID	GREY-GREEN	eq	none	none	none	none	none	none	weak	mod	mod	none	none	none	mod		GRAB	Magn,epid,hem altered gabbroid;2m wide & HW to shear
84	880792	6262078	0	9	07/25/94	OUTCROP	AUGPORPH	ORANGE		none	none	none	none	none	none	none	mod	none	none	none	none	verystrong	GOSSANOUS	CHIP	2m chip, Qz stkwk veinlets
85	880792	6262078	0	9	07/25/94	OUTCROP	AUGPORPH	DKGREEN	porphyritic	none	weak	none	none	none	none	mod	weak	strong	tr	none	none	mod	FLOW	CHIP	1m chip, Mo/Az on ff, HW of 184, carb ff,dis Py with Mo/Az, Qstwp veinlets
87	880822	6262051	0	9	07/25/94	OUTCROP	AUGPORPH	ORANGE		none	none	none	none	none	none	none	mod	none	none	none	none	verystrong	GOSSANOUS	CHIP	1m chip, similar to 184, chl ff
88	880841	6262051	0	9	07/25/94	OUTCROP	AUGPORPH	GREY-GREEN	porphyritic	none	none	none	none	none	none	none	weak	mod	tr	none	none	none	FLOW	CHIP	1m chip, abundant Px phenos,rusty WS/fracs,Py ff, Qz ff
94	880845	6262172	0	9	07/25/94	OUTCROP	DIOR	ORANGE		none	none	none	none	none	none	none	strong	none	none	none	none	none	GOSSANOUS	GRAB	narrow band(less than 0.5m) in an intrusive bx(?),seric ff
95	880831	6262172	0	9	07/25/94	TALUS	DIOR	MDGREEN	porphyritic	none	mod	none	none	none	none	none	weak	mod	mod	tr	none	none	mod	GRAB	intr bx,Mo/Az ff, local str mag, rare mod Py,carb ff, Py ff
96	880778	6262027	0	9	07/25/94	OUTCROP	AUGPORPH	ORANGE		none	none	none	none	none	none	none	mod	none	none	none	none	verystrong	GOSSANOUS	CHIP	1m chip, similar to 184, perv/ff mag massive mag
97	880788	6262068	0	9	07/25/94	OUTCROP	AUGPORPH	ORANGE		none	none	none	none	none	none	none	mod	none	none	none	none	strong	GOSSANOUS	CHIP	1m chip, similar to 184
11	880708	6262437	0	9	07/24/94	OUTCROP	AUGPORPH	GREY-GREEN	porphyritic	none	weak	none	none	none	none	none	weak	mod	tr	none	none	weak	FLOW	GRAB	local rusty WS,more Fs less Px then previous,local dis Py
22	880793	6262093	0	9	07/24/94	TALUS	AUGPORPH	ORANGE		none	none	none	none	none	none	none	mod	none	none		none	mod	GOSSANOUS	FLOAT	no visible O/C, in talus field of AUG PORPH,heavy Mn on surface
26	880942	6262140	0	9	07/25/94	OUTCROP	AUGPORPH	GREY-GREEN	porphyritic	none	none	none	none	none	none	none	none	weak	5	none	none	weak	FLOW	GRAB	looks silicified but its not, mod/ff Py ep perv/ff, rusty WS/fracs
28	880856	6262104	0	9	07/25/94	OUTCROP	ANDESITE	GREY-GREEN	fg	none	none	none	none	none	none	none	none	strong	tr	none	none	none	FLOW	GRAB	rusty WS, Py ff, HW of 227 a few Px phenos
29	880815	6262033	0	9	07/25/94	OUTCROP	DIOR	LTGREEN	eq	none	none	none	none	none	none	none	none	mod	tr	none	none	weak		GRAB	local rusty WS, equigranular, rusty ff
30	880810	6262044	0	9	07/25/94	TALUS	AUGPORPH	ORANGE		none	none	none	none	none	none	none	none	none	none	none	none	verystrong	GOSSANOUS	FLOAT	massive magnetite, remnant rock frags are oxy/hematite
37	880697	6262530	0	9	07/27/94	TALUS	AUGPORPH	MDGREY	porphyritic	none	none	none	none	none	none	none	weak	weak	1	none	none	weak	FLOW	FLOAT	very rusty WS, Mc ff,cg Py as ff, local str. magnetics
38	880687	6262510	0	9	07/27/94	OUTCROP	AUGPORPH	MDGREY	porphyritic	none	none	none	none	none	none	weak	none	none	weak	3	none	mod	FLWBX	GRAB	rusty WS,fg/PY local ff,local silicification,ep perv/ff
146	880624	6262366	0	9	07/27/94	OUTCROP	AUGPORPH	DKGREEN	fg	none	strong	none	none	none	none	strong	strong	none	none	none	none	strong	FLOW	GRAB	sheared, chrg in all directions
150	880607	6262363	0	9	07/27/94	OUTCROP	AUGPORPH	ORANGE		none	none	none	none	none	none	none	none	none	tr	none	none	none		GRAB	Qz sweat in a strongly chloritic shear
154	880537	6262306	0	9	07/27/94	OUTCROP	AUGPORPH	DKGREEN	brec	none	none	none	none	none	none	strong	strong	none	none	none	none	strong	FLWBX	GRAB	sheer, similar to 246, surrounding o/c is flow bx
156	880430	6262227	0	9	07/27/94	OUTCROP	AUGPORPH	ORANGE	massive	none	none	none	none	none	none	none	none	none	none	25	none	verystrong		GRAB	cg Py in "globs" and as ff
159	880616	6262450	0	9	07/29/94	SUBOTC	AUGPORPH	ORANGE		none	none	none	none	none	none	none	none	none	none	none	none	strong		GRAB	vein like, lenses than 10 cm width,Mn stain, banded magn, no viz Qz,limonite/goet

ISER	LOCATIONX	LOCATIONY	LOCATIONZ	LOCATIONG	DAY	EXPOSURE	UNIT	COLOR	TEXTURE	HORNFELS	PROPYLITC	ARGILLIC	SERICITIC	POTASSIC	SILICA	CARBONATE	CHLORITE	EPIDOTE	PYRITE	PYRRHO	CPY	MAGN	LITHO	SAMPLETYP	COMMENTS
80	680734	6262467	0	9	07/29/94	OUTCROP	AUGPORPH	MDGREEN	porphyritic	none	none	none	none	none	none	none	weak	mod	1	none	none	mod	FLOW	GRAB	very rusty, local blo ff,mgdff Py
81	680492	6262550	0	9	07/29/94	OUTCROP	AUGPORPH	GREY-GREEN	bxed	none	none	none	none	none	none	none	weak	mod	<1	none	none	mod	FLWBX	GRAB	local rusty Ws on ridge top, fgd Py, perv/ff ep
85	680365	6262546	0	9	07/29/94	OUTCROP	AUGPORPH	WHITE	vfg	none	none	none	weak	none	none	none	none	none	tr	none	none	none		GRAB	Qg vein,perlotic ff,cg Py "dots", orange WS, well frac,trend 250/steep
96	680369	6262522	0	9	07/29/94	OUTCROP	ANDESITE	DKGREY	vfg	none	none	none	none	none	none	none	weak	weak	tr	none	none	mod	TUFF	GRAB	fgdPy, perv chl, perv/ff ep
99	680314	6262480	0	9	07/29/94	OUTCROP	ANDESITE	DKGREY	vfg	none	none	none	none	none	none	none	weak	weak	tr	none	none	mod	XTLTF	GRAB	Py(20%) stl buff,Fs brokan, groundmass is chloritic,Fs to ep,fgdPy
70	680302	6262466	0	9	07/29/94	OUTCROP	ANDESITE	LTGREY	vfg	none	none	none	none	none	mod	none	weak	none	2	none	none	none	TUFF	GRAB	rusty Ws,fbrx, local fgd Py,elliptical, interbedded volcaniclastics
73	680243	6262450	0	9	07/29/94	TALUS	AUGPORPH	ORANGE		none	none	none	none	none	none	none	none	none	none	none	none	none	GOSSANOUS	FLOAT	remnant pieces of Qz(veins?) but mostly limonitic ep orig, rock not determined
76	681011	6261919	0	9	07/31/94	TALUS	AUGPORPH	LTGREEN	porphyritic	none	none	none	none	none	none	none	weak	mod	none	none	none	none	FLOW	FLOAT	rusty trace, well frac,orange WS where fresh rock is a lite grn colour
77	681000	6261914	0	9	07/31/94	OUTCROP	AUGPORPH	MDGREEN	bxed	none	none	none	none	none	none	none	weak	mod	weak	tr	none	none	FLWBX	GRAB	shear (10cm) in god flow bx, carb ff, fgd Py, 1cm grey carb veins
78	680992	6261901	0	9	07/31/94	OUTCROP	AUGPORPH	LTGREEN	bxed	none	none	weak	none	none	none	none	none	weak	1	none	none	none	FLWBX	GRAB	orange, local ep xtls in vugs, bleached, fgd Py, local mafics to chl
80	680990	6261894	0	9	07/31/94	OUTCROP	AUGPORPH	GREY-GREEN	fg	none	none	none	none	none	none	mod	none	none	none	none	none	none		GRAB	sheared zone 50cm true W, 5% <0.5mm bl flakes,perv carb, granular text
81	680952	6261906	0	9	07/31/94	OUTCROP	DIOR	MDGREY	mg	none	none	none	none	none	none	none	weak	none	4	none	none	none		GRAB	fgd/ff Py, mafics to chl,v. rusty WS
84	680978	6261880	0	9	07/31/94	OUTCROP	DIOR	LIMONITIC	none	none	none	none	none	none	none	weak	strong	none	1	none	none	none		GRAB	mostly limonitic, 6 cm wid(th), central Qg vein with v chlor margins, smll p/c
86	681034	6261883	0	9	07/31/94	OUTCROP	AUGPORPH	LTGREEN	porphyritic	none	none	weak	weak	none	none	none	none	strong	1	none	none	none	FLOW	GRAB	upper contact of DI, mgd Py, Pgx phenos to 7mm, rock is crumbly
88	681068	6261855	0	9	07/31/94	OUTCROP	DIOR	WHITE	fg	none	none	none	none	none	none	mod	weak	none	none	none	none	none		GRAB	vein(6cm), Qg-carb-chl, carb is a buff colour and is patchy
91	681017	6261866	0	9	07/31/94	OUTCROP	DIOR	WHITE	fg	none	none	none	none	none	none	mod	weak	none	none	none	none	none		GRAB	vein, Qg-carb-chl, similar to 288, rusty WS, 12 cm width in a chl shear
95	680974	6261829	0	9	07/31/94	OUTCROP	DIOR	DKGREY	mg	none	weak	none	none	none	none	weak	weak	weak	none	none	none	strong	MELANOCRAT	GRAB	local rare fgd Py, mafics to chl, perv ep, carb ff, rare specks Mc
105	680786	6262017	0	9	07/31/94	OUTCROP	ANDESITE	DKGREEN	fg	none	none	none	none	none	none	none	strong	none	none	none	none	strong	TUFF	GRAB	locally has a fault brx, local v str magn,rusty WS
107	680720	6262024	0	9	07/31/94	OUTCROP	AUGPORPH	GREY-GREEN	porphyritic	none	none	none	none	none	none	none	none	mod	5	none	none	mod	FLOW	GRAB	mgd Py, Aug porph Fe phyr, ff Py, Fs to ep,ep ff
109	680692	6261959	0	9	07/31/94	OUTCROP	ANDESITE	MDGREY	porphyritic	none	none	none	none	none	none	none	none	none	tr	none	none	strong	TUFF	GRAB	rare mgd py, ff Mc, Fe xtls (1-2mm)
112	680682	6261990	0	9	07/31/94	OUTCROP	ANDESITE	MDGREEN	porphyritic	none	none	none	none	none	none	none	none	weak	weak	none	none	none	verystrong	XTLTF	GRAB	local bended massive magn, v rusty WS,perv ep/chl, Fe xtls, trend 125,7m wid
119	680509	6262024	0	9	07/31/94	OUTCROP	AUGPORPH	LTGREEN	porphyritic	none	none	none	none	none	none	mod	none	none	mod	2	none	none	none	FLOW	GRAB	rusty WS,perv ep, ff ep,mgd Py, trend 180, aug to 3 mm
126	680368	6262477	0	9	08/29/94	OUTCROP	ANDESITE	DKGREEN	fg	none	none	none	none	none	none	mod	strong	none	none	none	none	none	mod		GRAB	shear, Qz-carb "veins" in shear direction, Mc ff, chl ff, carb ff
129	680340	6262690	0	9	08/29/94	OUTCROP	DIOR	MDGREEN	fg	none	none	none	none	none	none	none	none	weak	3	none	none	none		GRAB	rusty WS, ep ff,local 5% dff Py
132	680261	6262686	0	9	08/29/94	OUTCROP	ANDESITE	LTGREY	fg	none	none	none	none	none	none	none	none	weak	10	none	none	none		GRAB	
137	680201	6262719	0	9	08/29/94	SUBOTC	SKARN	LIMONITIC		none	none	none	none	none	none	none	none	strong	none	none	none	none	verystrong	FLOAT	no o/c just rubble,some of the mag shows Le bds (rippy), some w str perv ep
145	680104	6262980	0	9	08/29/94	SUBOTC	SKARN	LIMONITIC		none	none	none	none	none	none	none	none	strong	none	none	none	none	verystrong	FLOAT	same as LE0337,1,e" bd toward east end of zone
150	680701	6261951	0	9	08/29/94	OUTCROP	SKARN	LIMONITIC	massive	none	none	none	none	none	none	none	none	none	none	none	none	none	verystrong	GRAB	massive magn
153	680682	6261977	0	9	08/29/94	OUTCROP	SKARN	LIMONITIC	bxed	none	none	none	none	none	none	none	none	none	none	none	none	none	verystrong	GRAB	magn in frags and bands
154	680671	6261920	0	9	08/29/94	OUTCROP	SKARN	LIMONITIC	massive	none	none	none	none	none	none	none	none	none	none	none	none	none	verystrong	GRAB	
156	680663	6261928	0	9	08/29/94	OUTCROP	ANDESITE	DKGREEN	fg	none	none	none	none	none	none	strong	strong	none	none	none	none	none	weak	GRAB	perv/ff carb, sheared

BER	LOCATIONX	LOCATIONY	LOCATIONZ	LOCATIONG	DAY	EXPOSURE	UNIT	COLOR	TEXTURE	HORNFELS	PROPYLITC	ARGILLIC	SERICITIC	POTASSIC	SILICA	CARBONATE	CHLORITE	EPIDOTE	PYRITE	PYRRHO	CPY	MAGN	LITHO	SAMPLETYP	COMMENTS
56	680809	6261835	0	9	08/29/94	OUTCROP	ANDESITE	LTGREEN	fg	none	none	none	none	none	none	none	none	strong	none	none	none	verystrong		GRAB	magn bands to 2cm, magn laminations
59	680848	6261801	0	9	08/29/94	OUTCROP	SKARN	LIMONITIC	bxtd	none	none	none	none	none	none	none	none	none	none	none	none	strong		GRAB	Magn-Qz shear at 200 deg., local Qz bx
66	680736	6261788	0	9	08/29/94	OUTCROP	SKARN	LIMONITIC	fg	none	none	none	none	none	none	none	none	strong	none	none	none	verystrong		GRAB	Mc/ Az, xtln. ep., the footwall of this zone is leucocratic Mz
67	680723	6261792	0	9	08/29/94	OUTCROP	MONZ	GREY-GREEN	mg	none	none	none	none	none	none	none	none	none	none	none	none	none		GRAB	sheared Mz, perv/ff Mc,footwall of thin massive magn band
70	680723	6261784	0	9	08/29/94	OUTCROP	MONZ	LTGREEN	porphyritic	none	none	none	none	none	none	weak	none	weak	tr	none	none	none	LEUCOCRAT	GRAB	Approx 6m wide, Fe phenos,Mc ff, carb ff,rare Hb alt to ep(?)
72	680781	6261775	0	9	08/29/94	SUBOTC	SKARN	LIMONITIC	bxtd	none	none	none	none	none	none	none	none	none	none	none	none	verystrong		GRAB	FW of LE0375, Mc on ff
75	680772	6261770	0	9	08/29/94	OUTCROP	MONZ	LTGREEN	porphyritic	none	none	none	none	none	none	none	none	strong	none	none	none	none	LEUCOCRAT	GRAB	Mc ff at 028 deg. perv ep, rare Hb, Fe phenos
78	680058	6262878	0	9	08/29/94	SUBOTC	SKARN	LIMONITIC		none	none	none	none	none	none	none	none	none	none	none	none	verystrong		FLOAT	no Ls bt or ep as at prev "skarn"
79	680066	6262877	0	9	08/29/94	OUTCROP	MONZ	GREY-GREEN	fg	none	none	none	weak	none	none	none	none	weak	1	none	none	none		GRAB	in contact with above, Hb,Fe phyric,rusty WS, tpd Py, perv/ff ep
85	680241	6262842	0	9	08/29/94	OUTCROP	MONZ	LTGREEN	fg	none	none	none	none	none	none	none	none	weak	6	none	none	none	LEUCOCRAT	GRAB	rusty WS, bleached,perv ep, few mafics,rare Fe phenos,tpd/ff Py, mafics to chl
04	681265	6262204	0	9	08/30/94	TALUS	GABBROID	MDGREEN	porphyritic	none	none	none	none	none	none	weak	weak	mod	1	tr	none	none	MELANOCRAT	FLOAT	Px phenos, carb ff, perv ep, Py ff,Mc ff, chl ff
020	680756	6262024	0	9	09/08/94																			CHIP	
021	680757	6262026	0	9	09/08/94																			CHIP	
022	680757	6262026	0	9	09/08/94																			CHIP	
023	680758	6262026	0	9	09/08/94																			CHIP	
024	680758	6262026	0	9	09/08/94																			CHIP	
025	680759	6262027	0	9	09/08/94																			CHIP	
026	680759	6262027	0	9	09/08/94																			CHIP	
027	680761	6262029	0	9	09/08/94																			CHIP	
028	680762	6262029	0	9	09/08/94																			CHIP	
029	680762	6262030	0	9	09/08/94																			CHIP	
030	680762	6262030	0	9	09/08/94																			CHIP	
031	680763	6262031	0	9	09/08/94																			CHIP	
032	680764	6262032	0	9	09/08/94																			CHIP	
033	680764	6262032	0	9	09/08/94																			CHIP	
034	680764	6262033	0	9	09/08/94																			CHIP	

APPENDIX III

STATEMENT OF COSTS

NORANDA EXPLORATION COMPANY, LIMITED
STATEMENT OF COSTS

PROJECT: SOUP DATE: OCTOBER, 1994

TYPE OF REPORT: GEOLOGICAL/GEOCHEMICAL/LINECUTTING

a) Wages:
No. of Mandays : 39 mandays
Rate per Manday: $179.87/manday
Dates From : June 14 to July 31, 1994
Total Costs : 39 x $179.87 $7,015.00

b) Food and Accommodations:
No. of Mandays : 39 mandays
Rate Per Manday: $42.33/manday
Dates From : June 14 to July 31, 1994
Total Costs : 39 x $42.23 $1,647.00

c) Transportation:
No. of Mandays : 39 mandays
Rate Per Manday: $34.29/manday
Dates From : June 14 to July 31, 1994
Total Costs : 39 x $34.29 $1,337.20

d) Camp Supplies:
Type of Instrument:
No. of Mandays :
Rate Per Manday:
Dates From :
Total Costs : $1,077.00

Type of Instrument:
No. of Mandays :
Rate Per Manday:
Dates From :
Total Costs :

e)	Analysis:		$3,728.00
f)	Cost of preparation of Report:		
	Author : 2 mandays @ $260.00		$520.00
	Drafting: 2 mandays @ $200.00		$400.00
	Typing : 1 manday @ $180.00		$180.00
g)	Other:		
	Contractor: Pacific Western Helicopters Ltd.		
	5.8 hours @ $710.00/hour (including fuel)		$4,049.00
		TOTAL COST	**$19,953.20**
h)	Unit Costs for Linecutting:		
	No. of Mandays: 15 mandays		
	No. of Units : 6.525 units		
	Unit Costs : $956.39/km		
	Total Cost : 6.525 x $956.39		$6,240.46
i)	Unit Costs for Geochemistry:		
	No of Mandays: 15 mandays		
	No. of Units : 233 samples		
	Unit Costs : $40.99/sample		
	Total Cost : 233 x $40.99		$9,552.44
j)	Unit Costs for Geology:		
	No. of Mandays: 10 mandays		
	No. of Units : 10 mandays		
	Unit Costs : $416.03		
	Total Cost : 10 x $416.03		$4,160.30
		GRAND TOTAL	**$19,953.20**

NORANDA EXPLORATION COMPANY, LIMITED
(CORDILLERA DIVISION)

DETAILS OF ANALYSES COSTS

PROJECT: SOUP

ELEMENT	NO. OF DETERMINATIONS	COST PER DETERMINATION	TOTAL COSTS
ICP (30 Element) + Geochem Au	119 Rocks	$16.00	$ 1,904.00
ICP (30 Element) + Geochem Au	114 Soils	$16.00	$ 1,824.00
			$ 3,728.00

APPENDIX IV

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, D. Graham Gill of the City of Vancouver, Province of British Columbia, hereby certify that:

I am a geologist residing at 5442 - 7th Avenue, Delta, B.C.

I have graduated from the University of British Columbia in 1983 with a BSc in geology.

I have worked in mineral exploration since 1979.

I have been a temporary employee with Noranda Exploration Company, Limited since May, 1983 and a permanent employee since November 1987.

I am a member in good standing of the Professional Engineers & Geoscientist of British Columbia.

OCT 28/94

D. Graham Gill, P.Geo.

SOUP 12

SOUP 13

1900

2100

1700

6263000N

6262000N

6261000N

626000N

680000E

681000E

682000E

L 628 N
L 627 N
L 626 N
L 625 N
L 624 N
L 623 N
L 622 N
L 620 N
L 621 N
L 619 N
L 618 N
L 617 N
BL 815E

SOUP CLAIMS

GEOLOGICAL LEGEND

Volcanics

2 Massive Andesite (augite porphry)

1 Andesite Tuff (ash tuff, crystal tuff, lithic tuff)

Intrusives

6 Monzonite

5 Magnetite Pyrite Gossans

4 Diorite

3 Pyroxenite

Dykes (QFP, Syenite, Monzonite, Diorite, Ultramafic)

SYMBOLS

Drill collars

trenches

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,586

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
GEOSCIENTIST
OCT 28/94

100 50 0 100 200 300 400M.

REVISED

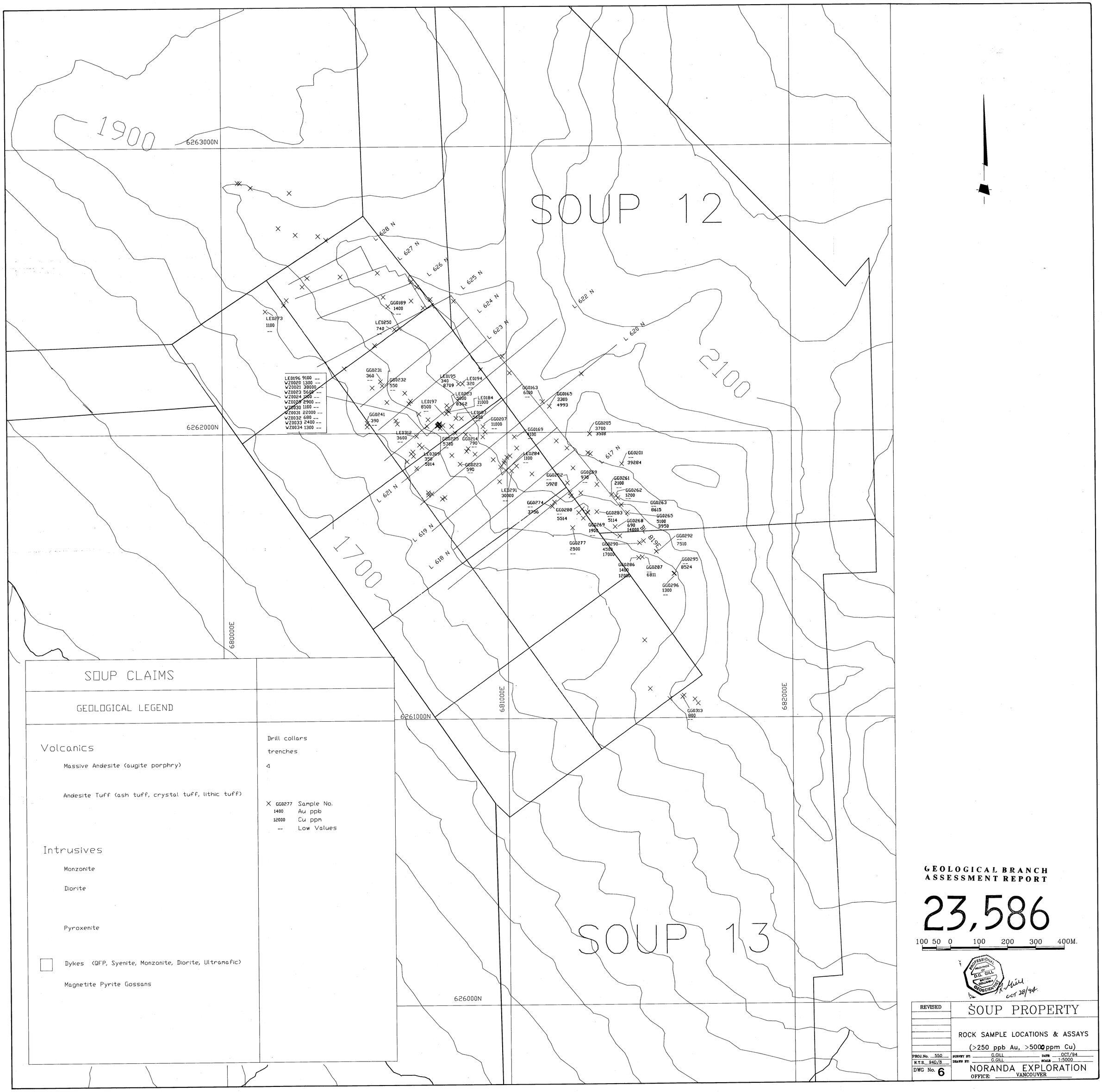
SOUP PROPERTY

GEOLOGY

PROJ.No. 550
N.T.S. 94D/8
DWG No. 4

SURVEY BY: G.GILL DATE: OCT/94
DRAWN BY: G.GILL SCALE: 1:5000

NORANDA EXPLORATION
OFFICE: VANCOUVER



SOUP CLAIMS

GEOLOGICAL LEGEND

Volcanics

- Massive Andesite (augite porphry)
- Andesite Tuff (ash tuff, crystal tuff, lithic tuff)

Intrusives

- Monzonite
- Diorite
- Pyroxenite
- Dykes (QFP, Syenite, Monzonite, Diorite, Ultramafic)
- Magnetite Pyrite Gossans

Drill collars

trenches

X GG0277 Sample No.
1400 Au ppb
12000 Cu ppm
-- Low Values

GEOLOGICAL BRANCH ASSESSMENT REPORT

23,586

100 50 0 100 200 300 400M.

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA D.G. GILL GEOSCIENTIST

OCT 28/94

REVISED	SOUP PROPERTY
	ROCK SAMPLE LOCATIONS & ASSAYS
	(>250 ppb Au, >5000 ppm Cu)
PROJ. No. 550	SURVEY BY: G.GILL DATE: OCT/94
N.T.S. 940/8	DRAWN BY: C.GILL SCALE: 1:5000
DWG No. 6	NORANDA EXPLORATION
	OFFICE: VANCOUVER

SOUP 12

SOUP 13

1900

2100

1700

6263000N

6262000N

6261000N

6260000N

680000E

681000E

682000E

L 628 N
L 627 N
L 626 N
L 625 N
L 624 N
L 623 N
L 622 N
L 620 N
L 621 N
L 619 N
L 618 N
L 617 N

BL 29E

SOUP CLAIMS

GEOLOGICAL LEGEND

Volcanics

2 Massive Andesite (augite porphry)

1 Andesite Tuff (ash tuff, crystal tuff, lithic tuff)

Intrusives

6 Monzonite

5 Magnetite Pyrite Gossans

4 Diorite

3 Pyroxenite

Dykes (QFP, Syenite, Monzonite, Diorite, Ultramafic)

Fault

50 Vein

78 Joint or Fracture

70 Shear

70 Bedding

GEOLOGICAL BRANCH
ASSESSMENT REPORT

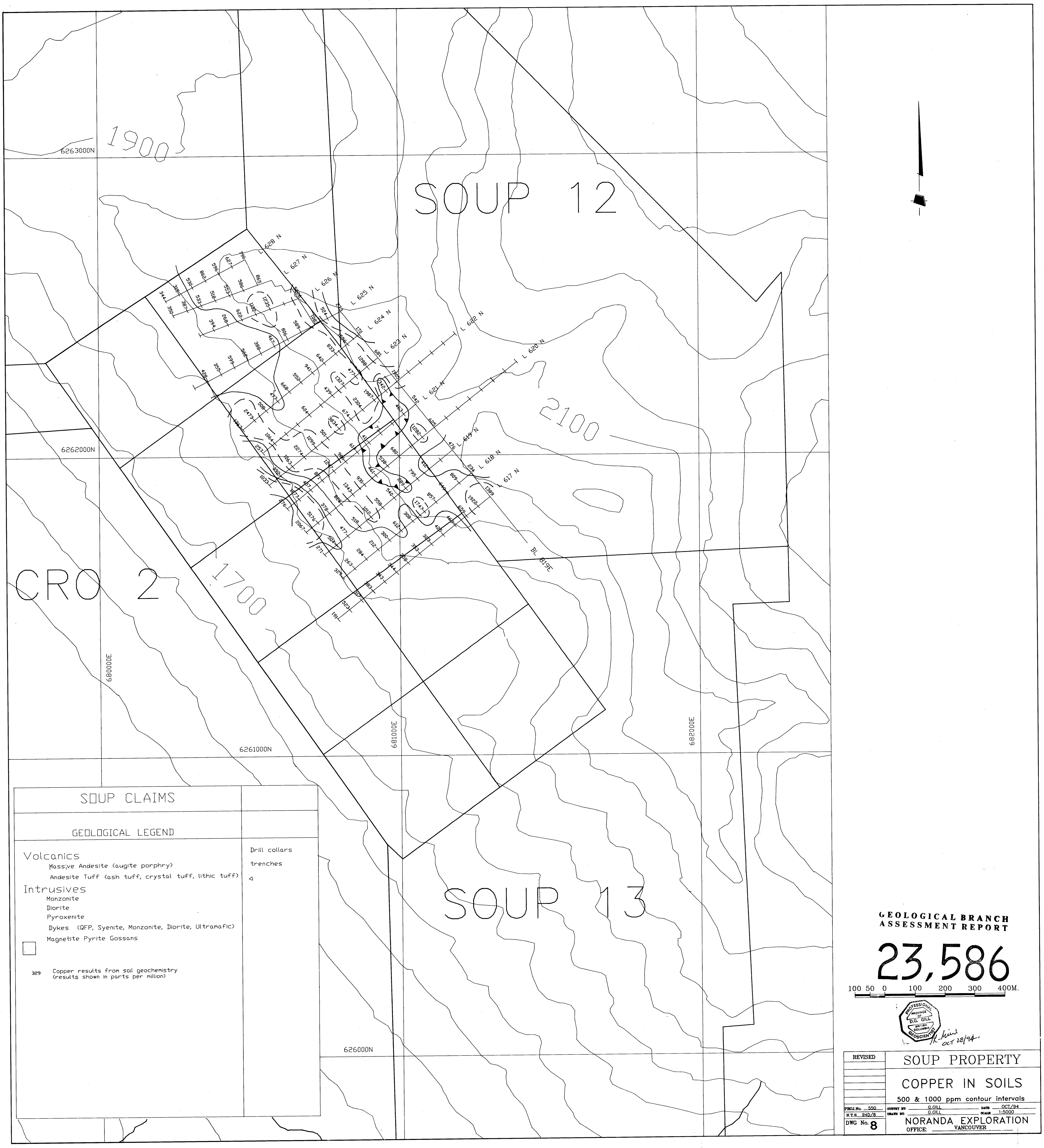
23,586

100 50 0 100 200 300 400M.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
GEOSCIENTIST

Oct 28/94.

REVISED	Soup Property
	STRUCTURE
PROJ No. 550	SURVEY BY: G. Gill — DATE: Oct/94
N.T.S. 094D08	DRAWN BY: G. Gill — SCALE: 1:5000
DWG No. 5	NORANDA EXPLORATION
	OFFICE: VANCOUVER


SOUP 12
SOUP 13
CRO 2
1900
2100
1700
6263000N
6262000N
6261000N
626000N
680000E
681000E
682000E
L 628 N
L 627 N
L 626 N
L 625 N
L 624 N
L 623 N
L 622 N
L 621 N
L 620 N
L 619 N
L 618 N
L 617 N
BL 819E
SOUP CLAIMS
GEOLOGICAL LEGEND
Volcanics
Massive Andesite (augite porphry)
Andesite Tuff (ash tuff, crystal tuff, lithic tuff)
Intrusives
Monzonite
Diorite
Pyroxenite
Dykes (QFP, Syenite, Monzonite, Diorite, Ultramafic)
Magnetite Pyrite Gossans
329 Copper results from soil geochemistry (results shown in parts per million)
Drill collars
trenches
GEOLOGICAL BRANCH
ASSESSMENT REPORT
23,586
100 50 0 100 200 300 400M.
PROFESSIONAL PROVINCE OF D.G. GILL BRITISH COLUMBIA GEOSCIENTIST
OCT 28/94
REVISED
SOUP PROPERTY
COPPER IN SOILS
500 & 1000 ppm contour intervals
PROJ.No. 550
N.T.S. 94D/8
DWG No. 8
SURVEY BY: G.GILL
DRAWN BY: G.GILL
DATE: OCT/94
SCALE: 1:5000
NORANDA EXPLORATION
OFFICE: VANCOUVER

SOUP 12

SOUP 13

CRO 2

1900

2100

1700

6263000N

6262000N

6261000N

626000N

680000E

681000E

682000E

L 628 N

L 627 N

L 626 N

L 625 N

L 624 N

L 623 N

L 622 N

L 621 N

L 620 N

L 619 N

L 618 N

L 617 N

BL 619E

SOUP CLAIMS

GEOLOGICAL LEGEND

Volcanics

Massive Andesite (augite porphry)

Andesite Tuff (ash tuff, crystal tuff, lithic tuff)

Intrusives

Monzonite

Diorite

Pyroxenite

Dykes (QFP, Syenite, Monzonite, Diorite, Ultramafic)

Magnetite Pyrite Gossans

Drill collars

trenches

4

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,586

100 50 0 100 200 300 400M.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
GEOSCIENTIST

OCT 28/94

REVISED	SOUP PROPERTY
	GOLD IN SOILS(ppb)
	300 & 500 ppb contour intervals
PROJ.No. 550	SURVEY BY: G.GILL — DATE: OCT/94
N.T.S. 94D/8	DRAWN BY: G.GILL — SCALE: 1:5000
DWG No. 7	NORANDA EXPLORATION
	OFFICE: VANCOUVER