

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 89.06.22

ASSESSMENT REPORT 17804

MINING DIVISION: Omineca

PROPERTY: Shelford Hills
LOCATION: LAT 53 53 23 LONG 126 38 17
UTM 09 5973621 655225
NTS 093E15E
CLAIM(S): Hills 1-2, Shel 1, Shel 3-7, Shel 9-10, Stan 1-4
OPERATOR(S): Noranda Ex.
AUTHOR(S): Myers, D.
REPORT YEAR: 1988, 194 Pages

GEOLOGICAL

SUMMARY: Large areas of alteration (sericite +/- clay +/- chlorite +/- quartz +/- pyrite) of Kasalka and/or Ootsa Lake Group felsic volcanics occur, especially on the Shel 5, 9 and 10 claims. Anomalous rock, soil and silt values range up to 4300 ppm zinc and 310 ppb gold. No economic mineralization has been located to date.

WORK

DONE: Geological, Geochemical
GEOL 6000.0 ha
Map(s) - 4; Scale(s) - 1:10 000
HMIN 6 sample(s) ;ME
ROCK 154 sample(s) ;ME
SILT 149 sample(s) ;ME
Map(s) - 4; Scale(s) - 1:10 000
SOIL 386 sample(s) ;ME
Map(s) - 4; Scale(s) - 1:10 000

LOG NO: 1006	RD.
ACTION:	
FILE NO:	

ASSESSMENT REPORT

GEOLOGY AND GEOCHEMISTRY

SHELFORD HILLS PROPERTIES

HILLS 1, 2; SHEL 1, 3-7, 9, 10; STAN 1-4
Record Nos. 8475-8483, 9014, 8471-8474

OMINECA MINING DIVISION
BRITISH COLUMBIA

NTS 93 E/ 15E

Latitude 53 deg. 51.5-57.5' N
Longitude 126 deg. 33.5-44.5' W

FILMED

Work Performed:
24 MAY 1987 to 21 JUNE 1988

NORANDA EXPLORATION COMPANY, LIMITED
(NO PERSONAL LIABILITY)
3A-1750 Quinn Street
Prince George, B.C.
V2N 1X3

Report by:
Del Myers
Senior Project Geologist

September 1988

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,804

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SUMMARY

A program of silt, soil, and rock sampling and prospecting and mapping was conducted over 14 claims and the surrounding area in the Shelford Hills south of Houston, B.C.

Forty-seven man-days were spent on the claims. Rock analyses are especially anomalous in a few samples for Zn (4313 ppm) and Au (310 ppb). Most of the anomalous samples are from the Shel 9 and 10 claims. Soil anomalies up to 158 ppb Au and 7.3 ppm Ag are also most common over the Shel 5, 9, and 10 claims. Silt samples tend to have very high Mn values (up to 58,000 ppm Mn) and may scavenge such elements as Zn and Ba. Au silt anomalies tend to occur in higher order streams. Large areas of weak alteration (sericite, clay, chlorite, or quartz) of felsic volcanics with disseminated pyrite mineralization are found such as on the Shel 5, 9, and 10 claims.

Further work is recommended to located mineralized structures within anomalous areas which may host higher grade mineralization than found to date.

INTRODUCTION

PURPOSE

Re-analysis of old Noranda silt samples showed high values of lead, manganese, molybdenum, and zinc in the Shelford Hills area. Several samples were anomalous in gold and silver as well. These results plus the regional geology suggest an environment suitable for epithermal precious metal deposits. A number of previous exploration programs have been done in the area, with anomalies untested. The purpose of this program was to begin testing these anomalies for precious metal deposits.

LOCATION AND ACCESS

The Shelford Hills properties are located 55 km south of Houston, B.C. (Figure 1). The properties cover much of the eastern two-thirds of the Shelford Hills. The Shelford Hills are a circular plateau rising from a base of 915 m (3000 feet) to an upland surface about 1372 m (4500 feet).

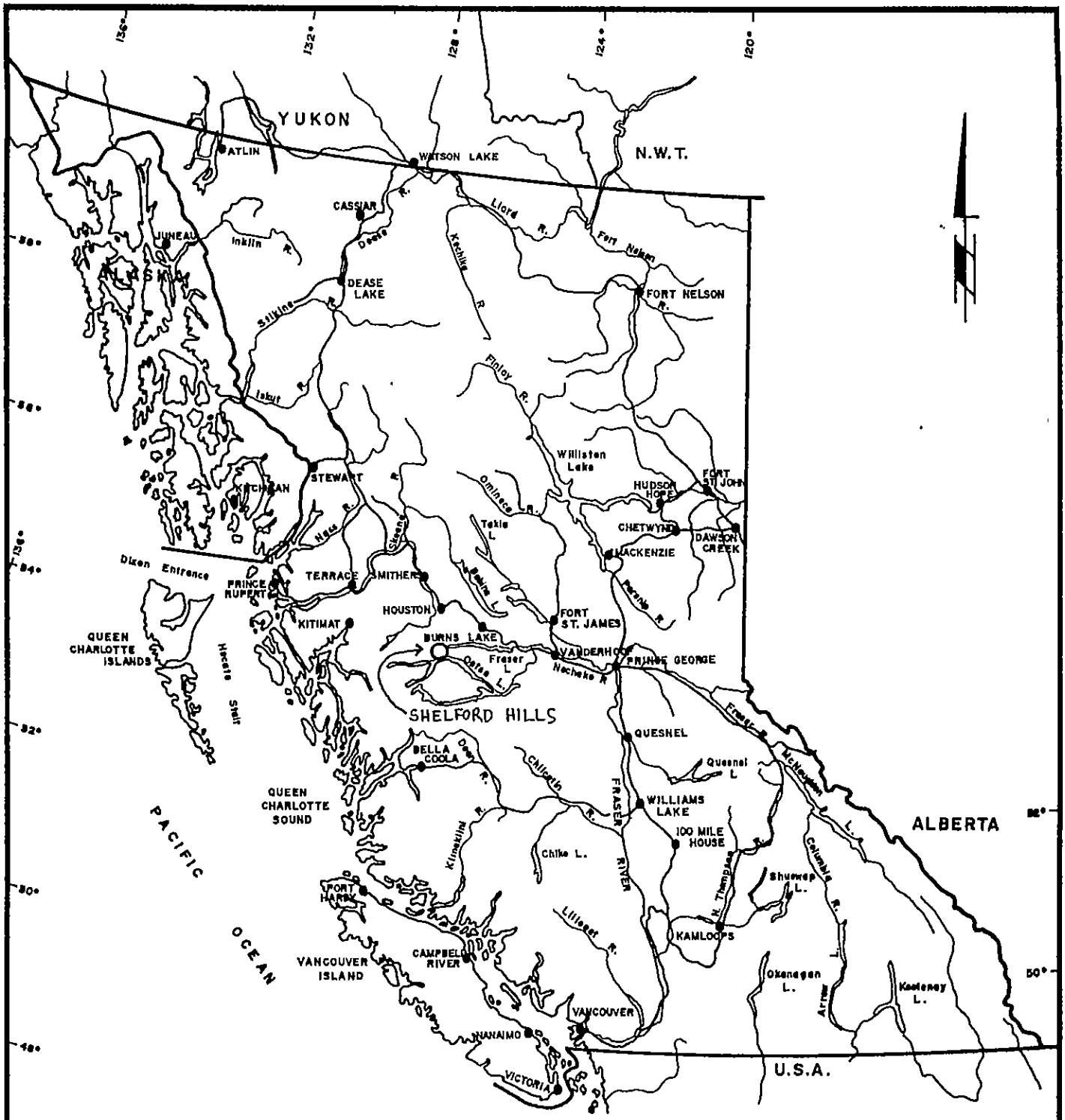
The Shelford Hills rise south of the western end of Francois Lake and of Nadina River and north of Ootsa Lake, Tahtsa Reach, and the Mosquito Hills.

The properties cover ground ranging from 912 m (3000 feet) to 1463 m (4800 feet) in elevation. The claims are covered by pine, spruce, and balsam-rich forest and by grass-moss glades near treeline on wet locations.

Access to the properties was via logging roads which encircle the plateau, but do not climb onto it. From these roads, helicopters were used to shuttle men, equipment, and supplies onto the central properties. The peripheral properties were accessed by logging roads to various clearcuts.

PROPERTY

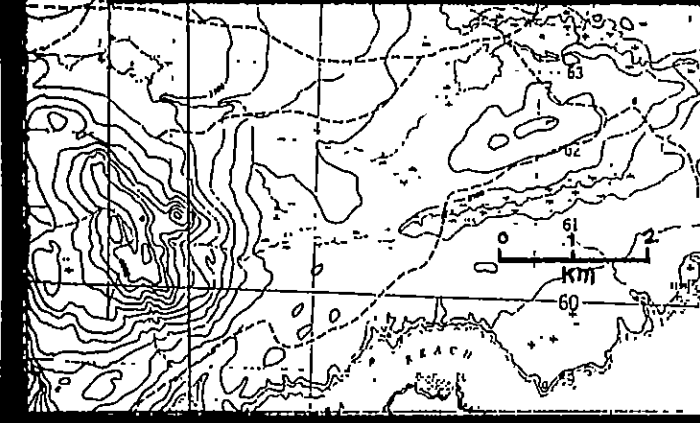
The property consists of fourteen claims listed in Table 1. Noranda Exploration staked the claims and holds clear title except for overlap with the Ford claim (record number 4912).



0 100 200 KILOMETRES
SCALE 1:8,000,000

REVISED	Shelford Hills Properties	
	Location Map	
PROJ. No. 255	SURVEY BY: <u>dm</u>	DATE: <u>Sept. 88</u>
N.T.S. 93 E/15E	DRAWN BY: <u>S.K.B.</u>	SCALE: <u>1:8,000,000</u>
DWG. No. Fig. 1	NORANDA EXPLORATION	
	OFFICE: <u>PRINCE GEORGE, B.C.</u>	

VANCAL 11827



REVISED	Shelford Hills Properties	
	Claim Map	
PROJ. No. 255	SURVEY BY: <i>Jm</i>	DATE: <i>Sept. 1933</i>
N.T.S. 93 E/15 E	DRAWN BY:	SCALE: <i>1:100,000</i>
DWG. No. Fig. 2	NORANDA EXPLORATION	
	OFFICE: <i>Prince George, BC</i>	

Table 1. List of claims owned by Noranda Exploration Co., Ltd.
in the Shelford Hills area (NTS 93 E/ 15E).

Claim	Rec.No.	Type	Units	Group	Record Date	Due
Stan 1	8471	MG	20	Stan	22 June 87	89
Stan 2	8472	MG	20	"	"	89
Stan 3	8473	MG	20	"	"	89
Stan 4	8474	MG	20	"	"	*
Hills 1	8475	MG	20@	Hills	"	89
Hills 2	8476	MG	20@	"	"	89
Shel 1	8477	MG	20@	MH	"	89
Shel 3	8478	MG	18	Shel	"	89
Shel 4	8479	MG	18	"	"	89
Shel 5	8480	MG	18	"	"	89
Shel 6	8481	MG	20	MH	"	89
Shel 7	8482	MG	6	-	"	*
Shel 9	8483	MG	15	Shel	"	89
Shel 10	9014	MG	16	Shel	9 Oct. 87	89

--
total 251 units

* allowed to lapse

@ before Application to Reduce filed 22 June 1988

REGIONAL GEOLOGY

The Shelford Hills lie along the northeastern edge of the Nechako Basin, a Cretaceous and Tertiary depositional basin south of the Skeena Arch. The Nechako Basin is part of the Intermontaine Belt of the Canadian Cordillera.

The Shelford Hills are underlain by Upper Cretaceous Kasalka Group felsic volcanics and Upper Cretaceous and Tertiary Ootaa Lake Group volcanics. These are intruded Late Cretaceous granodiorites and monzonites, possibly of the Bulkley intrusive suite (Woodsworth, 1980).

Several directions of faults are mapped in the Shelford Hills area. These have azimuths of about 20, 50-80, and 145-160 degrees (ibid).

PREVIOUS WORK

A number of assessment reports exist for the area covered by Noranda's claims. The oldest work was by Kennco in 1969 on their Ford and MH claims (AR 2256 and 2314). They report geochemical and magnetic surveys in the area of our MH and Shel groups. IP was later done in the area of our Shel group (AR 4998). Canamax filed soil and silt geochemistry in 1983 over what is our Shel, Hills, and Stan Groups (AR 12074). Evidence of follow-up work in 1984 was found this summer on the ground. Riocanex filed geology and rock geochemistry on their Nomann claims (AR 12595) just to the west of Noranda's Shel group.

The Ford claim (record number 4912) has been held by cash in lieu and by physical work.

Since the Noranda claims were staked in May 1987, a number of claims have been staked in the area for Equity Silver and by C. Kowall.

WORK UNDERTAKEN

Five men spent thirty-man days staking and prospecting the claims from 24 to 29 May 1987. The costs of claim staking have not been applied to this report.

Two men spent two days in September 1987 prospecting in the area and staking the Shel 10 claim.

Three men spent two days prospecting and soiling sampling in the area on 11 and 12 November 1987.

Six men spent 84 man-days from 10 to 24 June 1988 soil, silt, and rock sampling, geological mapping, and prospecting the claims and the nearby area.

The personnel who have worked on the project are listed as Appendix 4. Costs for the work and on the claims are given in Appendix 2.

All sampling was done according to Noranda's standard procedures. Silts and rock grab samples were taken as desired. Pan (heavy mineral concentrate) samples were taken by field panning a 10 liter volume of stream sediment (-6 cm fraction) to a 10 to 30 g final weight. Soil samples of inorganic soils horizons (B or C-horizon) were taken with grub hoes or soil auger from 0.1 to 0.6 m depth, air dried, and shipped to the Noranda Geochemical Laboratory in Vancouver for processing.

All samples were then analysed by Acme Analytical Laboratories by either ICP or AA methods depending on the element and the type of sample or by Noranda's lab by AA methods.

RESULTS

GEOLOGY AND PROSPECTING

Mappable units have not been formalized on the properties. This is due partly to the number of geologists who have worked on the properties and partly due to the gradation in compositions, textures, colors, and alteration of the predominantly felsic volcanics found in the area. Petrographic work on hand specimens and thin sections is suggested to help define mappable units.

Tentative map units include:

Unit 1. (V3 to V4) is light colored (gray to tan), fine grained tuffs to cobble-size breccias of dacitic to rhyolitic composition. These are the dominant rocks seen on the claims and probably correlate with Woodsworth's (1980) Kasalka Group. These rocks are commonly altered (silicified, argillized, chloritized, or carbonatized?) and over large areas have been pyritized and weakly mineralized.

Unit 2. (P3) is granodioritic to monzonitic in composition, porphyritic to medium grained, and massive in outcrop. This unit may represent the source of Unit 1 or of Unit 3 volcanics. Outcrops seen are limited to the area from the Stan 3 claim to a 300 m long, NW trending lake west of the Hills 1 claim.

Unit 3. (V2 to V3) is mainly andesitic to dacitic in composition, often with feldspar phenocrysts, and usually massive in appearance. It is especially common east of the Stan 4 claim along the Morice-Francois Forest Service Road. It is probably part of Woodworth's (1980) Ootsa Lake group volcanics and probably includes some rhyolites as seen further east on NTS 93 E/ 16W.

Unit 4. (V1 to V2) is basaltic to andesitic, very fine grained, dark gray, and often has feldspar phenocrysts (sometimes trachytic). It may be a more mafic member of the Ootsa Lake Group or may represent small bodies of Endako Group mafic volcanics which are more common to the east of the claims.

Geology and rock sample location maps are included as Figures 3, 6, 9, and 12. A generalized legend denoting rock composition (as estimated in the field by color and hardness) and texture is used. Until much more effort is spent mapping geologically, no subdivision of rocks into the units discussed above (or revised units) is practical.

Several types of mineralization were noted on or near the claims:

1. Quartz-pyrite vein as seen on Figure 9 (sample 36093 west of Stan 1). About 50 cm wide with 30% pyrite estimated. The strike is believed to be northerly with a steep dip. Vein mineralization is not common.

2. Rusty rhyolites and dacites with disseminated pyrite or vugs from weathered pyrite. Pyrite is generally fine grained and ranges from trace to 10% or more, commonly constituting 1 to 2% of the rock. Pyrite is commonly associated with silicious, sericitic, or clayey felsic volcanics.

GEOCHEMISTRY

Rocks

One-hundred fifty-four rock samples were taken on or near the claims from 24 May 1987 to 21 June 1988. The samples are described in Appendix 5, analyses are given in Appendix 3, and the locations are shown on Figures 3, 6, 9, and 12.

Minimum and maximum values obtained are listed below. Note that none of the values are of ore grade. Never the less, the distribution of anomalous samples on the Shel 9 & 10 is encouraging.

Element	Low Value	Threshold	High Value
Mo	1 ppm	10 ppm	23 ppm
Cu	1	100	363
Pb	2	30	265
Zn	9	250	4313
Ag	0.1	1.6	5.5
Au	0.001	0.010	0.310
As	2	100	906
Sb	2	10	7
Bi	2	10	17
Ba	12	400	1057
Mn	27	2000	4920

The best rock geochemical anomalies for precious metals include :

Sample #	Location	Au ppb	Ag ppm	Other
19908	Shel 9			3977 ppm Zn
36174	Shel 10			906 ppm As
38003	Shel 9		5.5	
76061	Shel 9	134		
78078	Stan 1	310	5.0	4313 ppm Zn
94475	Man No.1			18604 Zn, 99999+ Mn

Soils

386 soils were taken on or near the claims between 24 May 1987 and 21 June 1988.

Sample locations are shown on Figures 4, 7, 10, and 13. Analytical reports are given in Appendix 3. Samples descriptions are given in Appendix 5.

The following table summarizes the most anomalous results obtained:

Element	Low	Threshold	High
Mo	1 ppm	10 ppm	21 ppm
Cu	6	100	132
Pb	6	30	612
Zn	2	250	1765
Ag	0.1	1.6	7.3
Au	0.001	0.010	0.610
As	2	100	723
Sb	2	10	35
Bi	2	10	19
Ba	9	400	612
Mn	56	2000	17782

Threshold values are selected on the basis of past experience.

Some of the better soil geochemical anomalies are:

Sample #	Location	Au ppb	Ag ppm	Other
3999-8	Stan 3	158		
30942	Shel 5	100		
30975	"	100		
31011	"	100		
38050	Shel 10		5.2	
38059	Shel 9	100		
38101	Shel 10		5.7	
38105	"		7.3	
38204	Stan 3		5.3	
38939	Shel 9		7.1	

Most of the best anomalies are in the Shel 5, 9, 10 area.

Silts and Pans

One hundred forty-nine silts and six pan samples were collected from or near the claims between 24 May 1987 and 21 June 1988.

The silt samples were analysed by Acme for 30 elements by ICP plus Au by AA with the following important results:

Element	Low	Threshold	High
-----	----	-----	-----
Mo	1 ppm	10 ppm	28 ppm
Cu	6	100	109
Pb	5	30	261
Zn	32	250	13480
Ag	0.1	1.6	3.3
Au	0.001	0.010	0.380
As	2	100	123
Sb	2	10	4
Bi	2	10	20
Ba	62	400	2920
Mn	301	2000	58989

Figures 5, 8, 11, and 14 show the locations of silt and pan samples. Appendix 3 gives the analyses of the samples. Of the six pan samples, 3 were anomalous (>100 ppb) in Au. One sample (# 34856, Fig. 14) contained 1100 ppb Au.

The best silt anomalies are as follows:

Sample #	Location	Au ppb	Zn ppm	Mn ppm	Other
-----	-----	-----	-----	-----	-----
19890	Shel 9		13480	55989	1423 Ba, 261 Pb
19896	"		2705	4482	
30826	W of Shel 5	280			
36121	Nomanna Cr.	200			
36211	Shel 6			53095	2920 Ba
38880	Stan 3	240			
38887	Shel 5		2659	8293	
94456	S of Shel 5	380			

Note the extreme values for manganese in certain samples which may cause unduly high anomalies in other elements (especially for Zn and Ba). Gold anomalies in silts seem to be in higher order streams.

CONCLUSIONS

Subaerial felsic volcanics in the Shelford Hills are intruded by monzonitic intrusives which may be the source of surrounding volcanics. Altered and pyritized felsic volcanics are common, especially in the Shel 5, 9, and 10 area. Soil and rock geochemical values are also elevated in this area. Silt anomalies may be due to manganese scavenging in the case of Zn and Ba. Gold silt anomalies tend to be in higher order streams and have not been traced to source.

RECOMMENDATIONS

Further work should be directed to locating structures which may be mineralized, especially in the area of the Shel 5, 9, and 10 claims. Such sites may contain higher grade mineralization than the widespread, low grade mineralization found to date.

REFERENCES

BCMEMPR Assessment Reports: 2256
2314
4998
12074
12595

Woodsworth, G.J., 1980. Geology of Whitesail Lake (93E) Map-
Area, B.C., GSC Open File 708, Ottawa, Ontario, 1 sheet.

APPENDIX 1. STATEMENT OF QUALIFICATIONS

Relevant Training


- B.Sc. (1970) Pennsylvania State University
University Park, Pa., USA
Geological Sciences
- M.Sc. (1973) University of Toronto
Toronto, Ontario, Canada
Geochemistry

Relevant Experience

- 1973 - 1980 Exploration and Mine Geologist
Cominco Ltd.
Vancouver and Yellowknife
- 1980 - 1982 Exploration Geologist
Noranda Exploration Co., Ltd.
Yellowknife, N.W.T.
- 1982 - 1983 Exploration Geologist
Noranda Exploration Co., Ltd.
Smithers, B.C.
- 1983 - Exploration Geologist
Noranda Exploration Co., Ltd.
Prince George, B.C.

Professional Affiliations

- Fellow, Geological Association of Canada
- Member, Association of Professional Engineers,
Geologists, and Geophysicists of the Northwest
Territories
- Member, Canadian Institute of Mining and Metallurgy


Delbert E. Myers, Jr.
Project Geologist
19 September 1988

APPENDIX 2. STATEMENT OF COSTS

Labor	130 man-days at \$140	= \$18,200
Food and accommodations	130 man-days at \$ 50	6,500
Supplies	130 man-days at \$ 20	2,600
Mob / demob within BC		2,600
Helicopter	16.5 machine hours @ \$539	8,893
Truck Rental	3 vehicle months @ \$600	1,800
Analyses		
535 silt+soil prep	@ \$ 0.85	\$ 454
154 rock prep	@ \$ 3.00	462
689 30 element ICP	@ \$ 6.25	4306
689 Au by AA	@ \$ 4.50	3100
6 pans for 9 elem.	@ \$10.00	60
	total	8,382
Freight on samples		300
Report Preparation		
Author and typing	4 man-days @ \$250	1,000
Drafting	4 man-days @ \$180	720
	Total cost	\$ 50,995
	or for 130 man-day = \$	392/md

Man-days prorated:

Claim staking	26 md	@ \$ 392	= \$10,192
Work off claims	41 md	@ \$ 392	= 16,072
On Hills Group	3 md	@ \$ 392	= 1,176
MH Group	6 md	@ \$ 392	= 2,352
Shel Group	20 md	@ \$ 392	= 7,840
Stan Group	18 md	@ \$ 392	= 7,056
After 21 June 88	16 md	@ \$ 392	= 6,272
	-----		-----
totals	130 md		\$50,960

Del Myers

Del Myers, Sr. Project Geologist

APPENDIX 3. ANALYTICAL RESULTS

Shelford Hill/Poplar Butte - Bob Hauke (DM)

ATTN: DEL M.
8706-012

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 NG BA TI W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-2 SOIL/SILT P2-ROCK AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: MAY 30 1987 DATE REPORT MAILED: June 6/87 ASSAYER: D. J. DEAN TOYE, CERTIFIED B.C. ASSAYER

NORANDA EXPLORATION (VAN) PROJECT - 8706-012 240 File # 87-1494 Page 1

SAMPLES	MO	CU	PB	ZN	AG	NI	CO	NM	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	NG	BA	TI	B	AL	KA	X	W	AU	
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	%	PPH	PPH	%	PPH	%	PPH	%	%	%	PPH	PPH	
<i>Poplar Butte</i>																																
<i>soils</i>																																
88865	1	20	9	45	.2	14	8	262	3.24	4	5	ND	9	97	1	2	2	31	.79	.015	18	12	.52	169	.06	2	1.85	.03	.12	2	1	
88866	1	17	5	57	.1	4	4	98	1.35	2	5	ND	11	78	1	2	2	21	.96	.108	25	11	.53	68	.02	3	1.23	.02	.06	1	1	
88873	1	13	13	94	.1	15	8	603	4.22	9	5	ND	4	31	1	2	3	93	.41	.069	10	27	.46	108	.11	5	.79	.02	.04	1	1	
88875	2	11	11	82	.3	12	6	890	2.22	7	5	ND	2	44	1	2	2	42	.42	.074	18	16	.37	228	.04	3	1.02	.02	.07	1	2	
34005	2	11	15	88	.1	12	7	1056	2.74	12	5	ND	4	26	1	2	2	49	.33	.054	14	15	.39	143	.08	4	.87	.03	.08	1	1	
<i>silts</i>																																
34006	1	13	7	85	.2	10	6	1048	2.47	7	5	ND	2	41	1	2	3	49	.49	.072	11	15	.35	149	.04	2	1.13	.02	.06	1	1	
34007	1	16	14	93	.1	13	8	874	4.40	11	5	ND	4	33	1	2	2	97	.47	.067	12	30	.48	114	.10	3	.98	.03	.07	1	1	
34009	2	19	8	132	.4	16	10	4217	3.71	14	5	ND	1	49	1	2	2	49	.61	.065	13	21	.47	258	.03	2	1.78	.02	.05	1	1	
34010	1	10	14	103	.1	10	6	615	2.73	11	5	ND	3	24	1	2	2	52	.40	.061	10	16	.44	81	.06	4	.92	.02	.05	1	2	
34014	1	12	13	217	.1	9	5	771	2.15	7	5	ND	3	18	1	2	2	38	.30	.044	9	14	.41	62	.05	3	.77	.02	.04	1	1	
34015	1	14	9	123	.4	10	8	957	2.23	12	5	ND	1	49	1	2	2	24	.91	.077	8	12	.37	137	.02	4	.99	.01	.02	1	1	
34018	1	15	12	94	.4	11	7	915	2.74	11	5	ND	2	49	1	2	2	46	.49	.085	18	17	.36	190	.03	4	1.43	.02	.05	1	1	
34022	2	15	5	57	.2	13	10	5710	2.85	7	5	ND	2	51	1	2	2	46	.52	.071	19	18	.29	290	.04	2	1.23	.02	.05	1	1	
34023	2	9	10	103	.1	8	5	811	2.16	6	5	ND	2	42	1	2	2	40	.37	.061	13	12	.31	163	.04	3	1.01	.02	.05	1	1	
34024	1	9	7	71	.1	8	5	936	2.00	6	5	ND	2	37	1	2	2	38	.35	.054	13	11	.31	147	.05	3	1.24	.02	.04	1	11	
STD C/AU-S	20	56	38	127	6.9	46	27	969	3.95	41	14	6	33	46	17	17	18	61	.46	.095	35	56	.85	173	.08	37	1.75	.07	.13	12	50	

NORANDA EXPLORATION (VAN) PROJECT-8706-012 240 FILE # 87-1494

SAMPLE#	NO	CU	PB	ZK	AG	XI	CO	MM	FE	AS	U	AU	TH	SR	CO	SO	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	M	AUC
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH
<i>Shelford Hills</i> 34013	1	14	2	28	.1	2	5	182	4.13	14	7	ND	1	64	1	2	2	32	.03	.039	2	1	.03	174	.01	5	.54	.04	.04	1	1
<i>J. Naves</i> 38722	1	330	2	20	.3	1	12	368	6.89	2	5	ND	2	29	1	2	2	21	.39	.152	9	1	.77	40	.01	2	1.42	.09	.10	1	1
38723	2	416	2	10	.1	3	28	87	6.29	12854	5	ND	2	8	1	5	2	8	.35	.160	5	1	.38	43	.01	3	1.12	.02	.25	1	215
38724	6	685	30	80	3.8	7	4	342	2.93	28	5	ND	1	17	1	2	2	38	.43	.037	2	7	.45	29	.02	4	.93	.04	.04	1	1
<i>Shelford Hills</i> 79174	2	13	3	111	.2	9	13	82447	4.42	40	5	ND	3	27	1	2	2	44	.45	.092	3	9	.16	50	.01	4	.46	.04	.05	1	1
<i>K. Cosman</i> 86692	2	26	3	45	.1	28	11	1077	3.55	11	15	ND	5	253	1	2	2	47	10.31	.078	7	29	3.52	140	.01	5	.35	.10	.04	2	2
86694	1	15	4	63	.1	8	5	92	1.73	5	5	ND	5	58	1	2	2	29	.60	.104	16	7	.29	149	.02	3	1.25	.05	.12	1	1
86695	2	21	2	50	.1	11	6	1231	3.56	2	5	ND	8	33	1	2	2	66	.51	.122	17	20	.14	141	.05	3	.51	.08	.05	1	2
<i>Poplar</i> <i>Butter</i> 86696	1	18	2	79	.1	13	7	849	3.00	6	5	ND	8	25	1	2	2	46	.43	.110	16	13	.16	56	.03	3	.59	.05	.05	1	1
86697	420	23	2	37	.1	16	15	37	3.73	19	5	ND	7	19	1	2	5	29	.26	.163	11	10	.10	36	.03	3	.50	.04	.05	1	1
86698	17	16	3	15	.1	12	9	41	9.31	39	5	ND	6	29	1	2	2	27	.24	.044	6	5	.07	8	.02	3	.32	.06	.04	1	1
86699	1	11	2	30	.1	7	6	149	1.36	2	5	ND	8	24	1	2	2	48	.44	.111	16	14	.12	44	.04	3	.50	.06	.05	1	1
88848	1	10	2	34	.1	12	5	80	1.25	2	8	ND	3	42	1	2	2	39	.50	.093	12	11	.18	75	.03	4	.61	.05	.11	1	2
<i>Owen Lake FSP</i> 88872	1	8	181	397	.1	4	15	445	2.15	235	5	ND	5	38	3	19	2	23	.56	.147	12	2	.11	80	.01	3	.44	.03	.08	1	1
STD C/AU-R	20	60	35	129	6.8	66	27	974	3.95	40	20	7	33	46	16	17	18	62	.49	.098	35	53	.84	174	.08	40	1.78	.07	.13	12	520

Rocks

SAMPLER	NO	CU	PB	ZN	AG	NI	CO	MM	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	MA	K	M	AU
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	%	PPH	PPH	%	PPH	%	PPH	%	%	%	PPH	PPH
76038	1	15	20	134	.1	12	10	4344	2.76	8	4	ND	1	55	1	3	2	46	.77	.064	14	17	.40	199	.04	3	1.82	.02	.05	1	8
76039	1	13	190	170	.1	12	11	1695	3.01	30	5	ND	2	26	2	2	2	41	.47	.054	17	19	.56	118	.05	4	1.50	.03	.09	2	1
76040	1	16	150	150	.1	12	11	1811	3.11	21	5	ND	1	32	1	2	2	48	.48	.059	15	19	.46	131	.06	3	1.34	.03	.07	1	2
76062	6	30	31	199	.1	11	25	5371	4.87	20	5	ND	1	31	1	2	3	46	.39	.065	17	14	.33	151	.05	2	1.29	.02	.07	1	31
76063	1	6	12	69	.1	10	7	646	2.16	3	5	ND	1	71	1	2	2	35	.49	.080	16	10	.31	164	.08	2	1.47	.03	.06	1	1
76064	2	23	23	171	.3	15	13	2878	3.82	9	8	ND	2	79	1	2	2	53	.59	.105	25	19	.34	344	.03	2	1.10	.02	.10	1	1
76070	10	47	171	1211	.9	17	11	17280	3.56	25	9	ND	1	57	23	2	2	37	.62	.076	28	16	.31	579	.02	2	2.12	.02	.08	10	2
76071	2	19	35	297	.154	16	11	4497	3.15	15	5	ND	1	89	2	2	2	31	1.07	1.52	29	17	.36	340	.01	2	2.96	.02	.10	1	2
76072	1	16	25	279	.2	9	4	301	1.36	3	5	ND	1	32	1	2	2	24	.40	.047	19	12	.35	114	.03	3	1.31	.02	.05	1	1
76073	2	21	38	309	.2	15	17	4108	4.53	24	7	ND	1	67	1	2	2	50	.65	.087	23	18	.41	309	.02	2	2.73	.02	.10	1	2
76076	2	14	19	241	.1	9	7	2406	2.42	9	5	ND	1	30	1	2	2	31	.32	.055	16	13	.30	132	.04	2	1.42	.02	.06	1	9
76077	10	19	10	215	.4	52	7	2134	1.61	2	5	ND	1	39	6	2	2	20	.41	.059	18	10	.20	338	.02	2	1.35	.01	.08	10	2
76078	5	29	4	214	.2	6	6	1302	2.17	3	5	ND	1	43	2	2	2	7	.52	1.13	9	5	.07	121	.01	2	.93	.01	.07	1	1
76083	4	35	15	52	.2	17	12	4253	3.54	16	6	ND	1	51	3	2	3	46	.54	.063	22	18	.51	250	.05	2	1.77	.02	.07	1	10
76084	1	13	12	89	.1	12	12	2344	3.19	6	5	ND	3	46	1	2	2	48	.44	.081	18	20	.37	189	.06	3	1.04	.04	.11	1	1
76085	2	13	12	105	.1	13	11	2326	3.34	8	5	ND	4	46	1	2	2	54	.48	.075	16	24	.46	202	.07	3	1.34	.04	.10	1	5
76088	2	16	37	437	.2	12	10	2314	3.09	19	5	ND	1	46	1	2	2	37	.52	.076	23	15	.39	183	.02	4	1.42	.02	.07	1	3
76090	1	9	5	89	.1	11	8	740	3.19	8	5	ND	1	33	1	2	2	54	.49	.049	7	16	.44	94	.10	4	.98	.02	.05	1	1
76094	2	16	17	154	.1	13	9	1150	3.02	8	5	ND	1	74	1	2	2	46	.59	.061	20	16	.38	256	.05	2	1.87	.02	.08	1	1
76097	1	10	5	71	.1	11	8	846	2.72	4	5	ND	2	43	1	2	2	51	.42	.057	13	17	.33	137	.09	3	1.08	.02	.06	1	1
78174	16	16	39	156	.5	10	42	21227	7.36	30	5	ND	2	110	2	2	2	83	.81	.114	32	16	.27	816	.02	2	2.56	.02	.08	1	1
78175	2	12	23	161	.1	9	10	3186	3.13	11	5	ND	1	49	1	3	2	42	.44	.062	15	16	.32	223	.05	2	1.43	.02	.08	1	14
STD C/AU-5	18	58	39	130	7.2	67	29	949	3.95	37	18	8	34	56	18	16	22	56	.50	.088	39	55	.87	180	.09	36	1.86	.07	.14	12	52

SILK

Silts

ORIGINAL

Shelford Hills (8M)

070-009

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 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 Pb FE CA P LA CR NG BA TI B M AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: P1-ROCK P2-BILT AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JULY 11 1987 DATE REPORT MAILED: July 16/87 ASSAYER: D. Dejeu..DEAN TOYE, CERTIFIED B.C. ASSAYER

NORANDA EXPLORATION (VAN) PROJECT-8707-061/240 File # 87-2372 Page 1

SAMPLER	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	NG	BA	TI	B	AL	NA	K	M	AU
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	%	PPH	PPH	%	PPH	%	%	%	%	PPH	PPH	
76031	7	1	56	23	.4	1	1	59	1.95	2	5	ND	2	7	1	2	5	1	.01	.009	19	3	.04	179	.01	2	.48	.04	.24	1	2
76032	4	74	17	345	1.9	11	5	517	1.89	45	5	ND	13	13	2	2	8	27	.36	.053	6	25	.05	94	.10	2	1.03	.05	.07	1	23
76033	10	29	382	.3	11	6	124	5.11	643	5	ND	3	15	1	9	2	23	.19	.043	6	10	.01	26	.01	10	.38	.01	.04	2	1	
76034	14	38	273	.6	17	13	753	4.21	140	5	ND	4	42	1	7	2	42	.36	.083	11	16	.26	135	.01	8	.89	.01	.06	1	1	
76035	21	25	354	1.0	11	8	497	3.06	287	5	ND	2	70	1	7	2	30	.60	.051	6	12	.19	52	.01	9	.50	.01	.03	1	1	
76036	5	74	18	64	.4	10	10	450	4.16	13	5	ND	3	59	1	10	2	26	.20	.092	14	11	.05	253	.01	6	.55	.01	.14	1	5
76037	807	1	12	80	.1	5	2	184	1.90	18	5	ND	22	9	1	2	2	1	.02	.007	10	3	.01	143	.01	2	.22	.03	.07	2	2
76041	21	51	82	14	2.8	3	4	48	1.58	20	5	ND	8	11	1	2	2	1	.01	.009	8	1	.01	76	.01	4	.34	.01	.25	1	1
76046	3	17	15	12	.1	1	1	37	.78	2	5	ND	6	3	1	2	2	1	.01	.007	38	1	.01	44	.01	2	.24	.03	.15	1	4
76089	8	136	21	413	1.2	10	21	181	19.22	314	5	ND	3	53	1	2	3	147	1.51	.722	6	2	.71	54	.01	9	4.00	.01	.05	1	8
76091	12	10	37	362	.2	14	9	275	3.70	187	5	ND	4	18	1	12	2	22	.66	.046	9	10	.18	34	.01	8	.70	.01	.05	3	1
76092	1	6	10	15	.1	2	1	65	1.00	9	5	ND	4	7	1	2	2	2	.04	.013	23	1	.02	201	.01	3	.28	.03	.10	1	1
76093	1	1	13	25	.3	2	1	177	.75	7	5	ND	5	7	1	2	2	1	.06	.007	21	2	.09	44	.01	2	.45	.02	.11	1	1
76095	3	4	39	12	.5	3	1	85	1.42	7	5	ND	5	11	1	2	2	1	.01	.014	12	4	.01	150	.01	2	.22	.07	.12	1	1
76096	4	8	54	9	2.1	3	3	41	1.88	3	5	ND	8	8	1	2	2	1	.01	.005	21	1	.01	88	.01	2	.27	.01	.19	1	22
J. Noller { 87119	11	16222	12	204	37.1	15	52	126	15.08	11	5	ND	2	2	2	2	46	10	.08	.005	2	2	.10	11	.01	13	.17	.01	.03	61	34
87120	21	952	14	42	.6	4	32	189	10.79	1004	5	ND	3	42	1	2	2	32	.46	.098	5	6	.41	12	.05	10	1.57	.11	.24	1	7
87122	5	624	5	22	.1	1	25	173	7.27	9	5	ND	1	9	1	2	2	14	.30	.151	5	1	.60	29	.01	13	2.26	.04	.60	2	4
STD C/AU-R	20	64	43	126	7.1	65	28	938	3.94	42	18	8	33	49	17	15	22	55	.49	.090	38	55	.86	177	.08	34	1.83	.07	.14	12	490

Shelford Hills Rocks

Rocks

Please Copy for Del Sent to Tom Jahn

RECEIVED JUL 21 1987

ORIGINAL

20/11 211

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	ALIT
Silts	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	%	PPH	PPH	%	PPH	%	PPH	%	%	%	PPH	PPH	
Robert 1 26805	1	16	2	89	.1	13	9	467	2.55	5	5	ND	2	32	1	2	2	43	.45	.056	6	13	.63	93	.03	2	1.27	.05	.07	1	1
26806	1	12	2	101	.1	16	9	672	2.85	5	5	ND	2	33	1	2	2	48	.47	.056	7	18	.68	124	.05	10	1.47	.06	.07	1	1
26807	1	10	4	98	.1	14	8	905	3.08	6	5	ND	1	26	1	2	2	47	.35	.053	7	17	.62	116	.05	5	1.29	.05	.08	1	2
26808	1	7	3	109	.1	14	8	1262	3.40	4	5	ND	1	25	1	2	2	52	.38	.052	7	19	.72	104	.07	7	1.32	.04	.08	1	1
Federal Creek 26809	3	23	24	170	.2	22	11	1086	4.25	29	5	ND	2	27	1	4	2	51	.35	.059	7	22	.62	191	.04	5	1.20	.05	.08	1	35
26810	3	20	21	164	.2	22	11	1080	5.06	25	5	ND	2	24	1	2	3	70	.34	.057	8	21	.70	192	.05	4	1.22	.05	.08	1	122
26811	2	22	20	178	.2	23	11	1093	4.39	25	5	ND	3	29	1	4	2	55	.39	.058	8	21	.69	196	.04	4	1.26	.05	.08	1	11
26821	2	11	17	126	.2	10	6	945	2.22	5	5	ND	6	35	1	3	2	34	.30	.046	17	15	.41	143	.04	9	.89	.05	.12	1	1
26823	2	12	17	133	.3	11	6	884	2.51	6	5	ND	8	36	1	2	2	38	.32	.052	19	18	.49	152	.05	2	.98	.06	.15	1	1
26825	3	14	27	170	.5	12	7	1341	2.41	8	5	ND	6	52	1	2	2	35	.35	.055	17	14	.48	168	.04	4	.99	.04	.12	1	1
Sheep Hills n=11 78076	2	9	14	90	.3	9	5	979	2.06	4	5	ND	6	30	1	2	2	29	.28	.046	20	11	.31	178	.03	6	.83	.06	.13	1	1
78080	2	9	10	97	.2	10	5	953	2.15	5	5	ND	5	30	1	2	2	32	.28	.047	18	13	.33	182	.03	2	.91	.04	.10	1	1
78081	7	40	110	100	1.0	13	7	1059	3.00	13	5	ND	3	45	11	2	2	31	.42	.071	25	14	.34	391	.02	2	1.78	.04	.10	4	1
78082	2	19	27	226	.7	11	6	1061	2.45	26	5	ND	2	36	1	3	2	38	.43	.035	15	16	.43	223	.03	3	1.37	.05	.08	1	1
092607	4	8	14	130	.3	9	8	4979	3.66	9	5	ND	4	44	1	2	2	35	.31	.052	20	11	.27	124	.02	2	1.03	.04	.10	1	1
092608	2	7	13	100	.1	9	5	1070	2.02	8	5	ND	6	20	1	2	2	27	.22	.037	17	11	.32	163	.04	4	.80	.05	.12	1	1
092611	2	22	20	408	.2	12	7	1158	2.38	10	5	ND	5	26	1	2	2	36	.35	.049	12	15	.51	101	.05	6	1.00	.06	.12	1	1
092612	7	20	41	307	.8	13	10	3310	3.68	41	5	ND	4	50	4	2	4	28	.53	.050	19	13	.34	237	.02	2	1.41	.04	.13	1	1
STD C/AU-5	18	58	38	132	7.3	47	27	1022	3.75	38	20	7	38	50	18	17	23	57	.45	.065	38	58	.85	178	.08	36	1.76	.08	.13	13	49

Silts

Silts - 20 mesh, pulverized.

Silts

ALME ANALYTICAL LABORATORIES

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

PHONE 253-3158

DATA LINE 251-1011

Shelford Hill (2m)

8709-081

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

DATE RECEIVED: SEPT 21 1987

DATE REPORT MAILED: Oct 1 /87

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

NORANDA EXPLORATION (VAN) PROJECT-8709-081 240 File # 87-4350

SAMPLE	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	NG	BA	TI	B	AL	NA	K	W	AU
Rocks	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
26816	4	3	29	138	.1	3	1	157	.72	9	5	ND	4	9	1	2	2	1	.05	.005	28	1	.01	134	.01	4	.22	.04	.11	1	2
26817	4	3	30	35	.1	2	2	256	1.28	5	5	ND	4	40	1	2	2	1	.05	.009	24	2	.01	476	.01	2	.14	.07	.01	1	1
26818	1	31	4	84	.5	24	22	1356	5.53	3	11	ND	5	130	1	2	2	117	1.96	.153	21	11	2.24	140	.28	11	2.61	.09	.06	1	1
26819	1	1	18	173	.1	1	1	2003	.58	2	5	ND	9	4	1	2	2	1	.03	.004	31	1	.01	194	.01	3	.25	.02	.14	1	2
26820	5	4	4	33	.1	3	1	32	.63	8	5	ND	8	11	1	2	3	1	.03	.006	27	1	.03	223	.01	2	.18	.04	.08	1	1
26822	1	6	15	57	.1	13	8	35	2.23	2	5	ND	9	8	1	2	2	1	.09	.039	18	1	.01	42	.01	2	.31	.01	.17	1	1
26824	7	17	12	12	.4	14	40	47	4.47	95	5	ND	4	7	1	2	2	2	.02	.008	5	2	.01	14	.01	32	.12	.03	.05	1	1
78077	8	115	28	40	1.5	6	10	101	4.79	153	5	ND	7	5	1	7	9	1	.02	.009	5	3	.01	16	.01	11	.27	.01	.22	1	2
78078	5	102	102	4113	570	61	35	2279	10.81	37	5	ND	2	15	20	2	7	55	.38	.021	2	79	1.52	35	.10	4	4.00	.14	.71	4	210
78079	1	12	12	192	.1	6	4	56	2.80	2	5	ND	4	16	1	2	2	2	.14	.038	2	4	.01	22	.01	5	.20	.04	.14	1	1
92603	2	32	13	123	.2	8	4	631	3.17	2	5	ND	7	18	1	2	2	45	.98	.075	4	12	.88	41	.06	13	1.49	.07	.10	1	32
92604	4	7	9	11	.1	3	3	128	1.39	20	5	ND	2	43	1	2	2	3	.19	.039	21	3	.12	202	.01	4	.56	.03	.18	1	1
92605	1	4	10	56	.1	4	3	587	1.10	2	5	ND	3	7	1	2	2	5	.08	.026	23	3	.02	79	.01	5	.36	.05	.18	1	1
92606	5	4	2	28	.1	2	4	142	2.92	2	5	ND	2	15	1	2	2	12	.06	.106	17	1	.29	88	.01	2	.69	.04	.12	1	2
92609	5	3	13	184	.2	9	5	45	1.06	2	5	ND	7	26	1	2	2	2	.12	.028	9	1	.08	142	.01	3	.38	.03	.18	1	1
92610	2	3	19	63	.1	3	1	27	.74	27	5	ND	4	12	1	2	2	1	.01	.001	2	3	.01	481	.01	2	.14	.05	.09	1	1
STD C/RU-R	18	57	37	124	7.1	68	27	1059	3.89	38	20	7	36	48	16	17	22	54	.46	.080	35	56	.86	176	.06	37	1.88	.06	.13	13	490

Rocks

n=16

Shelford Hill
1

RECEIVED
OCT - 6 1987

SAMPLE	MO	CU	PB	ZN	AG	NI	CO	MM	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	PPM
19875	1	4	16	33	.2	3	1	194	.45	2	5	ND	11	5	1	2	2	3	.04	.004	22	1	.05	32	.01	5	.22	.05	.08	1	8
28234	2	18	3	67	.1	23	12	728	3.36	14	5	ND	3	110	1	2	2	21	2.10	.076	12	7	.28	210	.01	6	.42	.02	.15	1	1
28236	1	20	6	29	.2	4	9	137	3.54	9	5	ND	5	24	1	2	2	35	.22	.043	3	5	.04	39	.01	3	.33	.09	.08	1	1
28237	1	11	2	46	.1	5	4	358	1.01	2	5	ND	7	19	1	2	2	38	.29	.074	15	15	.07	91	.04	6	.33	.06	.11	2	2
28240	1	24	2	63	.1	33	14	1144	3.51	2	5	ND	1	417	1	2	2	80	6.38	.112	14	47	2.83	64	.02	2	.98	.05	.02	1	4
78137	2	2	265	9	2.4	1	1	57	2.12	22	5	ND	2	26	1	2	7	2	.03	.040	12	1	.03	185	.01	2	.24	.05	.29	1	46
78144	3	1	39	104	.1	1	1	50	.95	21	5	ND	8	12	1	2	2	1	.03	.005	29	1	.02	401	.01	3	.14	.03	.09	1	1
78147	3	6	2	14	.1	1	2	1594	.85	2	5	ND	1	55	1	2	2	17	3.13	.031	4	2	.17	97	.01	2	.23	.09	.03	1	1
78148	1	23	4	63	.1	4	6	590	2.28	2	5	ND	3	69	1	2	2	51	2.49	.086	16	4	1.51	46	.04	5	.83	.17	.09	1	1
78150	1	1	10	9	.1	1	1	46	.29	28	5	ND	8	5	1	2	3	8	.05	.001	24	1	.02	21	.01	2	.15	.06	.07	1	1
92014	2	2	164	163	.4	8	6	1487	2.72	57	5	ND	4	22	1	2	2	4	.88	.054	9	2	.09	12	.02	2	.37	.03	.24	1	2
92017	4	11	3	38	.1	4	6	995	1.09	14	5	ND	1	75	1	2	2	28	1.34	.068	11	3	.41	134	.01	2	.55	.10	.11	1	1
STD C/AU-R	19	61	40	133	7.5	72	30	1065	3.99	40	16	9	39	52	19	18	19	60	.46	.087	39	61	.88	180	.07	34	1.84	.06	.14	11	480

Rocks - Shelford Hills n=12

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Shelford Hills (Am)

8711-071

ICP - .300 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. 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 K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: P1-SILT P2-ROCK AUF ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: NOV 24 1987 DATE REPORT MAILED: Dec 3/87 ASSAYER: D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

NORANDA EXPLORATION (VAN) PROJECT-8711-071 240 File # 87-5884 Page 1

SAMPLE#	HQ	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	AU3
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	I	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	I	I	PPH	PPH	I	PPH	I	PPH	I	I	I	PPH	PPH
28255 P	1	9	9	43	.2	9	5	497	1.77	4	5	ND	3	21	1	2	2	27	.26	.031	13	14	.32	101	.03	2	1.03	.03	.07	1	1
28258 P	1	14	12	42	.3	8	4	320	1.58	2	5	ND	3	30	1	2	2	28	.34	.027	11	13	.28	117	.04	2	1.02	.03	.07	1	3

Silts n=2

RECEIVED
DEC - 8 1987

cc: Del
file: Shelford Hills

7 Dec 2M

SAMPLE#	NO PPH	CU PPH	PB PPH	ZN PPH	AS PPH	NI PPH	CO PPH	KN PPH	FE %	AS PPH	U PPH	AU PPH	TH PPH	SR PPH	CO PPH	SO PPH	BI PPH	V PPH	CA %	P %	LA PPH	CR PPH	MG %	BA PPH	TI %	B PPH	AL %	HA %	K %	W PPH	AUI PPH
19869	2	10	19	122	.1	13	8	2075	2.78	6	5	ND	5	32	1	2	2	37	.34	.054	16	20	.45	151	.05	2	1.02	.05	.10	1	1
19870	11	13	37	517	.1	15	42	22830	6.37	12	5	ND	1	76	4	2	2	49	.45	.075	15	16	.27	725	.02	2	1.79	.02	.04	1	2
19871	2	18	24	130	2.0	9	6	621	1.49	2	5	ND	1	65	1	2	2	22	.42	.107	18	14	.24	242	.01	3	2.23	.02	.09	1	1
19872	3	12	24	135	.2	10	12	4360	3.35	10	5	ND	1	38	1	4	2	39	.31	.054	17	20	.39	198	.03	2	1.21	.03	.08	1	3
19873	2	12	24	108	.5	7	6	692	1.74	2	5	ND	1	52	1	2	2	29	.38	.063	17	15	.26	199	.02	3	1.64	.01	.06	1	2
19874	7	15	20	237	.1	14	20	3394	4.04	4	5	ND	1	64	2	2	2	41	.44	.083	15	22	.51	204	.04	6	1.32	.03	.09	1	1
78139	5	11	27	120	.5	8	14	1718	3.99	2	5	ND	1	70	1	2	2	40	.51	.115	22	13	.29	221	.01	3	2.31	.02	.10	1	1
78140	13	14	41	168	.1	17	23	9189	5.77	16	5	ND	1	82	1	2	2	70	.53	.102	24	21	.41	416	.02	3	2.84	.02	.08	1	2
78144	4	18	20	144	.5	10	9	2214	3.07	2	5	ND	1	108	1	2	2	41	.83	.099	28	17	.34	288	.02	4	2.34	.03	.07	1	3
78145	2	13	13	107	.1	11	9	1067	2.03	2	5	ND	1	61	1	2	2	33	.40	.070	24	13	.29	234	.02	2	1.76	.02	.07	1	1
92015	9	12	24	258	.2	13	21	5307	3.94	8	5	ND	3	50	2	2	2	46	.38	.074	17	19	.46	217	.05	2	1.29	.03	.10	1	2
92016	7	12	16	208	.1	9	15	3534	3.66	5	5	ND	3	45	2	2	2	44	.36	.064	17	20	.43	186	.05	2	1.15	.03	.09	1	1
STD C/AU-S	19	41	40	133	7.5	72	30	1065	3.99	40	16	9	39	52	19	18	19	60	.46	.087	39	61	.88	180	.07	34	1.84	.06	.14	11	50

Silts - Shelford Hills (240) n=12

GEOCHEMICAL ANALYSIS CERTIFICATE

Shelford Hills (Am)

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR NH FE CA P LA CR NG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1-SOIL P2-SILT AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

8712-001

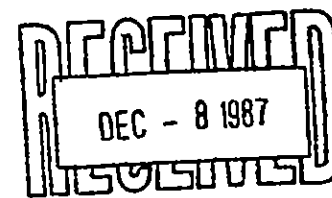
DATE RECEIVED: NOV 25 1987 DATE REPORT MAILED: Dec 1/87 ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

NORANDA EXPLORATION (VAN) PPROJECT-87 12-001 File # 87-5907 Page 1

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MX	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	NG	BA	TI	B	AL	NA	K	W	AU
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	I	I	PPH	PPH	I	PPH	I	PPH	I	I	I	PPH	PPH
3600-1	8	18	23	228	.1	9	13	3724	5.45	9	5	ND	1	34	1	2	2	54	.27	.149	12	18	.36	273	.03	2	2.22	.01	.08	2	1
3600-2	1	9	16	88	.1	6	3	204	1.99	2	5	ND	1	23	1	2	2	30	.18	.022	12	12	.22	100	.04	2	1.25	.01	.03	1	1
3600-3	1	9	17	83	.2	8	5	289	2.52	7	5	ND	1	13	1	2	2	43	.14	.068	9	15	.22	79	.03	3	1.39	.01	.02	1	4
3600-4	1	9	23	107	.1	11	4	191	2.70	3	5	ND	1	21	1	2	2	38	.16	.041	10	18	.23	156	.05	3	2.43	.01	.02	1	8
3999-1	2	10	35	97	.1	9	5	279	3.07	12	5	ND	2	19	1	2	2	41	.18	.050	13	16	.27	93	.03	5	1.87	.01	.06	1	1
3999-2	3	10	23	85	.4	6	5	227	3.44	13	5	ND	1	31	1	2	2	46	.27	.074	13	14	.27	64	.06	3	1.59	.01	.04	1	16
3999-3	3	6	16	83	.1	8	5	281	3.30	10	5	ND	1	19	1	2	2	52	.15	.033	12	19	.35	74	.06	2	1.44	.01	.04	1	4
3999-4	2	13	23	93	.2	8	5	284	3.32	12	5	ND	2	19	1	2	2	41	.17	.042	13	16	.32	80	.04	2	2.21	.01	.06	1	2
3999-5	2	10	29	75	.2	8	5	239	3.35	9	5	ND	1	25	1	2	2	40	.21	.070	17	16	.30	91	.05	2	3.05	.01	.03	1	7
3999-6	3	9	19	91	.3	7	4	251	2.73	12	5	ND	1	23	1	2	2	39	.20	.058	14	14	.30	88	.04	3	1.88	.01	.06	2	2
3999-7	2	8	18	73	.1	7	5	252	2.63	13	5	ND	1	19	1	2	2	34	.15	.035	12	13	.30	75	.05	5	1.47	.01	.05	1	6
3999-8	3	7	19	82	.4	7	5	249	2.72	9	5	ND	1	22	1	2	5	41	.17	.025	12	14	.30	92	.05	4	1.80	.01	.03	1	158
3999-9	2	4	14	61	.1	6	3	174	1.35	2	5	ND	1	30	1	2	2	25	.21	.020	11	10	.27	68	.04	2	1.24	.01	.04	1	1
3999-10	2	6	17	52	.1	7	3	139	2.40	4	5	ND	1	18	1	2	2	38	.09	.027	10	13	.15	75	.04	2	2.16	.01	.04	1	3
3999-11	2	9	23	90	.4	6	4	183	2.51	4	5	ND	1	19	1	2	2	38	.15	.056	13	15	.20	80	.04	3	1.90	.01	.03	1	1
3999-12	2	6	11	52	.1	5	2	193	1.76	5	5	ND	1	24	1	2	2	35	.16	.024	12	11	.10	68	.05	2	.70	.01	.04	1	6
3999-13	1	5	10	49	.3	6	2	171	1.50	3	5	ND	2	16	1	2	3	28	.13	.052	11	11	.18	84	.05	2	.83	.01	.04	2	2
4000-1	2	8	34	155	.2	8	6	327	3.31	13	5	ND	1	15	1	2	2	41	.12	.054	15	17	.23	106	.05	2	1.96	.01	.06	1	1
4000-2	1	9	24	150	.1	10	5	337	3.31	10	5	ND	2	18	1	2	2	46	.16	.080	12	17	.24	124	.04	2	2.01	.01	.06	1	29
4000-3	1	3	17	61	.1	6	3	221	1.45	2	5	ND	1	20	1	2	2	24	.15	.025	11	9	.23	82	.03	2	.92	.01	.02	1	1
4000-4	1	5	15	49	.1	3	3	188	1.53	7	5	ND	2	12	1	2	2	33	.10	.017	10	12	.14	50	.05	2	.64	.01	.07	3	7
4000-5	1	9	23	85	.3	6	4	319	1.65	4	5	ND	1	17	1	2	2	28	.12	.018	11	11	.23	95	.03	2	1.26	.01	.05	1	1
4000-6	2	9	23	94	.2	6	6	286	4.06	16	8	ND	3	10	1	2	2	61	.08	.067	9	20	.24	80	.04	3	1.48	.01	.06	1	2
4000-7	1	4	15	52	.1	1	2	141	1.71	2	5	ND	1	11	1	2	3	34	.08	.014	9	9	.10	65	.05	2	.91	.01	.03	1	34
4000-8	2	18	20	103	.1	9	5	300	2.42	8	5	ND	1	18	1	2	3	36	.13	.024	11	15	.30	99	.04	2	1.54	.01	.04	1	5
4000-9	1	11	23	148	.1	12	7	273	3.27	9	5	ND	3	15	1	2	2	46	.10	.121	8	19	.21	99	.05	2	3.27	.01	.04	1	2
STD C/AU-R	19	57	37	133	7.1	71	29	1046	4.17	41	17	8	37	51	18	18	22	58	.46	.083	38	60	.87	183	.04	33	1.95	.04	.13	13	495

Soils n=26

cc: Del
 file: Shelford Hills



Shelford - Whistler

8805-028

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

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR NY FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: P1 SILT P2 ROCK AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: MAY 11 1988 DATE REPORT MAILED: May 17/88 ASSAYER: C. Leong, D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT-8805-028 255 File # 88-1396 Page 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Er	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	PPM
9420	1	9	8	67	.1	14	6	473	2.14	2	5	ND	1	45	1	2	2	39	.46	.046	13	17	.35	169	.06	3	1.19	.01	.02	1	1
9421	1	12	15	113	.1	10	7	712	2.43	2	5	ND	1	45	1	2	2	45	.43	.055	19	17	.25	192	.06	2	1.20	.01	.02	1	2

Silt

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MAY 19 1988
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W. Ryan 2/1

NORANDA EXPLORATION PROJECT-8805-028 255 FILE # 88-1396

Page 2

SAMPLE#	Zn	Cu	Pb	Zn	Ag	W	Co	Mn	Fe	As	U	Mo	Th	Sr	Ca	Sb	Si	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	Y	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
9422	1	17	51	54	.6	2	2	417	.91	411	5	ND	15	13	1	2	2	10	.15	.016	22	3	.16	166	.05	11	.56	.05	.21	1	4
5425	2	66	150	146	2.3	13	14	1796	5.22	57	5	ND	3	49	1	2	3	88	.59	.112	18	35	.10	76	.34	17	.46	.09	.15	1	12

Rock

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: SHELFORD-WHITESAIL

CODE : 8806-055

Project No. : 255 Sheet: 1 of 5 Date rec'd: JUN20
 Material : 155 SOILS, Geol.: C.G. Date compl: JUL06
 Remarks : 78 SILTS & 16 PANS

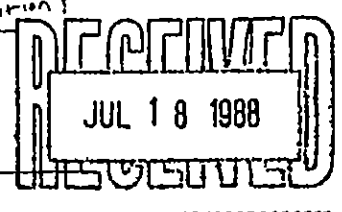
Values in PPM, except where noted.

T. T. No.	SAMPLE No.	weight (g)	PPB Au	Cu	Zn	Pb	Ag	As	Mo	Mn	% Fe	
1	W of Picket Hill	36126	55.8	80	16	220	12	0.4	1	1	510	6.8
2	Nomans Cr.	36127	47.3	10	8	90	10	0.4	1	1	410	4.0
3	NW of Picket Hill	36128	50.7	10	4	160	8	0.2	1	1	410	3.6
4	"	36129	75.6	10	12	170	10	0.2	6	1	560	4.6
5	"	36130	67.4	600	10	290	24	0.4	4	1	500	3.4
6	SW of Picket Hill	36131	82.2	10	8	120	1	0.2	1	1	400	3.0
7	"	36132	83.6	90	12	270	10	0.2	1	1	640	4.7
8	"	36133	54.7	10	4	94	1	0.2	1	1	320	2.4
9	"	36134	40.7	10	12	300	10	0.2	1	2	800	4.0
10	"	36135	69.6	490	10	220	8	0.2	4	1	420	2.9
11	N of Stan 4	34856	16.2	1100	4	72	1	0.4	1	2	310	4.5
12	"	34857	12.2	10	2	36	1	0.2	1	2	180	1.8
13	Stan 4	34858	20.7	10	6	64	1	0.2	1	2	310	3.9
14	"	34859	16.1	150	6	74	1	0.2	1	2	300	4.9
15	"	34860	15.6	140	4	74	1	0.2	1	2	300	4.7
16	"	34861	15.8	10	4	54	1	0.2	1	2	250	2.8

N.B. Pan-con: entire sample used for Au determination.
 *Cu, Zn, Pb, Ag values obtained from Aqua Regia sol'n.

T. T. No.	SAMPLE No.	PPB Au	
1	SOIL 31391	10	Stan 3 Followup of 1987 soil " 3999-B"
2	31392	10	
3	31393	10	
4	31394	10	
5	31395	10	
6	35394	10	Stan 4
7	37977	10	can't locate these Fraser Stewart between 11 and 12 June
8	37978	10	? 12 June
9	37979	40	ask Gary
10	37980	20	
11	37981	10	
12	37982	10	
13	37983	10	
14	37984	10	
15	37985	10	
16	34892	10	Carey + Fraser location?
17	30833	10	Stan 5 " 83 XQS 764" Followup
18	30834	10	
19	30835	10	
20	30836	10	
21	30837	10	
22	30840	10	Stan 5 " 83 XLS 1052" Followup
23	SOIL 30841	10	

Copy to Del



15/7 PG DP

T. T. No.	SAMPLE No.	PPE Au		8806-055 Pg. 2 of 5
24	SOIL 30842	10	Shel 5	" 83 XLS 1052" Followup (cont.)
25	30843	10		
26	30844	10		
27	30846	10	Shel 5	" 83 XLS 1047" Followup
28	30847	10		
29	30848	10		
30	30849	10		
31	30850	10		
32	31001	10	Shel 5	" 83 XLS 1053" Followup
33	31002	10		
34	31003	10		
35	31004	10		
36	31005	10		
37	31007	10	Shel 5	" 83 XGS 5348" Followup
38	31008	10		
39	31009	10		
40	31010	10		
41	31011	100		
42	31012	10	Shel 5	" 83 XAS 5996" Followup
43	31013	10		
44	31014	10		
45	31015	10		
46	31016	10		
47	31017	10	W of Shel 5	For compass traverse
48	31018	10		
49	31019	10		
50	31020	10		
51	31021	10		
52	31022	10		
53	31023	10		
54	31024	10		
55	31025	10		
56	31026	10		
57	31027	10	W of Shel 5	compass traverse
58	31028	10		
59	31029	10		
60	31030	10		
61	31031	10		
62	31032	10		
63	31033	10		
64	31034	10	W of Shel 5	compass traverse
65	31035	10		
66	31036	10		
67	31037	10		
68	31038	10		
69	31039	10		
70	31040	10		Carey - location, sample reports ~ 15 June 1988
71	31041	10		
72	38882	10	Shel 5	Followup " 83 XAS 6041"
73	38883	10		
74	38884	10		
75	38885	10		
76	38886	10		
77	38888	10	Shel 5	Followup " 83 XRS 835"
78	38889	10		
79	38890	10		
80	SOIL 38891	10		

T. T. No.	SAMPLE No.		PPB Au	
81	SOIL 38892	Shel 5	10	" 83 XAS 835" Followup (cont.)
82	38894	Shel 5	10	" 83 XAS 836" Followup
83	38895		10	
84	38896		10	
85	38897		10	
86	38898		10	
87	55056	Shel 5	10	" 83 XAS 6165" Followup
88	55057		10	
89	55058		10	
90	55059		10	
91	55060		10	
92	55062	Shel 5	10	" 83 XLS 1117" Followup
93	55063		10	
94	55064		10	
95	55065		10	
96	55066		10	
97	55067	Shel 5	10	" 83 XLS 1090" Followup
98	55068		10	
99	55069		10	
100	55070		10	
101	55071		10	
102	94451	Shel 5	10	" 83 XAS 742" Followup
103	94452		10	
104	94453		10	
105	94454		10	
106	94455		10	
107	12 - 0	No of Stm 113	10	
108	100		10	
109	200		10	
110	300		10	
111	400		10	
112	500		10	
113	600		10	
114	700		10	
115	800		10	
116	900		10	
117	1000		10	
118	1100		10	
119	1200		10	
120	1300		10	
121	1400		10	
122	1500		10	
123	1600		10	
124	1700		10	
125	1800		10	
126	1900		10	
127	2000		10	
128	2100		10	
129	2200		10	
130	2300		10	
131	2400		10	
132	2500		10	
133	2600		10	
134	2700		10	
135	2800		10	
136	2900		10	
137	SOIL 12-3000		10	

T. T. No.	SAMPLE No.	PPB Au		
138	SOIL 12-3100		N of Stn 3	10
139		3200		10
140		3300		10
141		3400		10
142		3500		10
143		3600		10
144		3700		10
145		3800		10
146		3900		10
147		4000		10
148		4100		10
149		4200		10
150		4300		10
151		4400		10
152		4500		10
153		4600		10
154		4700		10
155	SOIL 12-4800			10
1	SILT	31388	Stn 3	10
2		31389	"	10
3		31397	Stn 3	10
4		31398	"	10
5		31399	"	10
6		31400	S of Stn 3	10
7		31572	N of Stn 4	10
8		31573	"	10
9		31574	Stn 4	10
10		31575	"	10
11		35393	Stn 4	10
12		35395	"	10
13		38877	E of Stn 3	10
14		38878	"	10
15		38879	Stn 3	10
16		38880	"	240
17		38887	Shel 5	10
18		37986		10
19		37987		10
20		37988		40
21		30813	N of Stn 3	10
22		30816	"	10
23		34864		10
24		35397	Stn 4	10
25		30819	SW of Shel 5	10
26		30820	"	10
27		30821	"	10
28		30822	Shel 5	10
29		30823	"	10
30		30824	"	10
31		30826	W of Shel 5	280
32		30827	"	10
33		30828	"	10
34		30829	"	10
35		30830	Shel 5	10
36		30831	"	10
37		30832	"	10
38		38899	Shel 5	10
39	SILT	31347	S of Shel 5	10

F Stewart
12-17 June?

CG ~ 12 June? Fraser

T. T. No.	SAMPLE No.		PPB Au	
40	SILT	31349	S of Shel S	10
41		31350	"	10
42		94456	S of Shel S	380
43		94457	"	10
44		94458	"	10
45		94460	"	50
46		94461	"	10
47		94462	"	10
48	SILT	94463	"	10
49	SILT	36101	S of Francois Lk	10 93 E / 16 W
50	SILT	36102	"	10 "
51		36103	"	10 "
52		36104	"	10 "
53		36105	"	10 "
54		36106	SW of Francois Lk	10 93 E / 15 E
55		36107	"	10 "
56		36108	"	10 "
57		36109	W of Stan I	10 93 E / 15 E
58		36110	"	10 "
59		36111	"	10 "
60		36112	"	10 "
61		36113	"	10 "
62		36114	"	10 "
63		36115	"	10 "
64		36116	Campbell Cr.	10 93 E / 15 E
65		36117	"	10 "
66		36118	"	10 "
67		36119	Ferguson creek	10 93 E / 16 W
68		36120	Shelford creek	40 93 E / 15 E
69		36121	Namans Creek	200 93 E / 15 E
70		36122	N of Andrews Bay	10 "
71		36123	NE of Picket Lk.	10 "
72	SILT	36124	"	10 "
73	SILT	36125	"	10 "
74	SILT	36201	SW of Picket Hill	10 93 E / 15 E
75		36202		10
76		36203		10
77		36204		10
78	SILT	36205		10

} duplicate samples!
 } duplicate sample!

Makes one wonder why we bother sifting for gold at all

NORANDA EXPLORATION PROJECT-8806-055-255 FILE # 88-2087

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	Co PPM	Ni PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au ² PPM	
36083	1	2	2	47	.1	1	1	239	.91	2	6	ND	9	15	1	2	2	3	.03	.006	21	3	.04	49	.02	7	.50	.05	.19	2	11	Saf Francis Lk
36084	1	18	3	22	.1	8	2	40	1.21	2	5	ND	2	32	1	2	2	44	.50	.116	17	30	.12	54	.02	10	.56	.05	.14	1	1	"
36085	1	11	27	124	.1	25	16	1006	4.56	2	5	ND	4	97	1	3	2	73	2.43	.116	20	31	1.10	274	.01	10	1.06	.02	.11	1	3	Coop Road South
36086	1	1	8	54	.1	2	3	832	1.58	5	5	ND	5	23	1	2	3	2	.58	.038	29	2	.04	461	.01	3	.46	.03	.23	1	1	West Stan 1
36087	1	9	3	43	.1	4	3	762	1.55	6	5	ND	3	78	1	2	4	4	2.76	.032	23	3	.95	1057	.01	2	.56	.03	.22	2	1	"
36088	1	4	46	84	.3	2	4	160	1.69	4	5	ND	7	21	1	3	3	1	.10	.030	18	2	.04	160	.01	5	.32	.04	.14	1	1	"
36089	1	3	9	52	.2	3	2	586	1.54	2	5	ND	2	14	1	3	2	4	.25	.034	29	4	.13	306	.01	3	.57	.04	.21	1	1	"
36090	4	2	34	18	.2	1	1	62	1.01	3	5	ND	9	23	1	2	3	1	.03	.005	21	5	.02	144	.01	3	.25	.02	.14	1	1	"
36091	4	5	58	28	1.4	4	2	41	1.73	2	5	ND	7	30	1	2	2	2	.06	.039	17	2	.05	111	.01	2	.36	.04	.19	1	1	"
36092	1	10	10	93	.1	3	4	750	2.70	3	5	ND	2	40	1	2	2	11	1.05	.051	21	5	.45	331	.01	8	1.05	.04	.19	1	1	"
36093	4.83	42	52	125	1.9	6	6	466	10.36	155	5	ND	3	2	1	2	2	26	.01	.007	7	1	.31	11	.01	2	.97	.01	.13	1	4	"
36094	12	7	43	152	.4	2	4	1233	2.50	19	5	ND	4	42	1	2	2	1	3.69	.037	50	2	.30	475	.01	2	.77	.01	.30	1	1	"
36095	6	6	20	77	.1	3	4	657	1.83	36	5	ND	2	11	1	2	2	5	.08	.028	26	3	.08	150	.01	2	.85	.02	.18	1	1	"
36096	3	47	30	133	.6	18	20	2351	5.51	3	5	ND	3	40	1	3	3	39	.41	.131	49	7	.28	1538	.01	2	1.50	.02	.32	1	1	"
36097	3	5	48	850	.7	2	3	529	.80	4	5	ND	8	25	4	2	4	1	.09	.018	21	2	.04	277	.01	4	.36	.02	.18	1	1	"
36098	4	8	14	82	.2	6	4	366	1.77	10	5	ND	7	43	1	2	5	3	.19	.021	10	3	.16	82	.01	2	.98	.01	.22	1	1	"
36099	26	5	46	20	.5	2	2	82	2.08	22	5	ND	24	3	1	2	2	1	.01	.003	9	3	.03	23	.01	2	.27	.03	.06	3	1	Pocket #471
36100	32	5	7	41	.2	1	2	88	1.65	18	5	ND	8	3	1	2	2	4	.02	.008	28	2	.11	40	.01	13	.44	.03	.10	1	1	"
36151	1	10	7	32	.7	1	2	413	.78	3	5	ND	12	14	1	2	2	8	.15	.016	19	1	.16	137	.03	13	.53	.03	.16	1	1	Saf Francis Lk
36152	1	1	5	35	.1	1	2	271	1.10	2	5	ND	13	14	1	2	2	11	.16	.016	22	1	.21	177	.03	16	.65	.03	.14	2	1	"
36153	1	7	7	52	.4	1	3	456	.76	3	5	ND	13	15	1	2	2	12	.12	.015	19	2	.15	136	.02	15	.55	.03	.16	2	3	"
36154	1	3	4	26	.2	2	2	136	1.00	3	5	ND	14	23	1	2	2	9	.24	.016	23	3	.25	142	.02	10	.89	.03	.16	1	1	"
36155	2	1	6	34	.1	2	3	549	.82	3	5	ND	14	13	1	2	4	9	.11	.014	20	1	.13	169	.02	8	.55	.03	.15	1	1	"
36156	1	3	7	59	.1	1	4	892	1.86	2	5	ND	8	21	1	2	2	26	.67	.041	19	2	.58	242	.06	8	.59	.03	.22	1	1	"
36157	2	1	5	11	.1	1	1	167	.57	3	5	ND	13	13	1	2	2	2	.10	.006	22	1	.07	44	.01	7	.49	.03	.12	1	1	"
36158	1	1	6	21	.1	1	2	306	.88	2	5	ND	7	15	1	2	3	6	.12	.007	17	2	.12	68	.02	5	.35	.03	.16	1	2	"
36159	12	1	4	2	.1	1	1	84	.71	14	5	ND	4	9	1	2	2	3	.02	.005	8	1	.02	75	.01	8	.24	.05	.20	1	1	"
36160	1	17	2	14	.2	4	3	33	.73	2	5	ND	3	60	1	2	2	25	.51	.047	13	16	.14	54	.01	15	.59	.03	.11	1	6	"
37976	1	75	19	187	.2	11	21	557	4.38	335	5	ND	1	22	1	3	2	62	.61	.052	3	27	1.14	56	.09	11	1.88	.10	.17	1	1	Stan 3
38876	1	3	7	29	.2	4	5	145	2.62	7	5	ND	11	44	1	2	3	61	.70	.138	23	7	.30	54	.06	9	.99	.03	.08	1	1	SE of Stan 3
38881	1	1	30	29	.1	3	1	817	.98	5	5	ND	10	5	1	2	2	4	.05	.013	28	1	.03	34	.01	14	.27	.03	.14	1	12	Shel 5
38893	3	4	12	70	.4	1	2	1054	1.03	6	5	ND	11	3	1	2	2	1	.01	.006	26	2	.02	32	.01	2	.32	.03	.16	1	1	Shel 5
38900	1	1	14	103	.2	1	2	960	1.05	6	5	ND	10	4	1	2	4	2	.02	.005	21	2	.05	40	.01	3	.37	.03	.12	1	1	Shel 5
55061	1	11	39	50	.2	1	2	280	1.34	28	5	ND	9	3	1	2	2	1	.01	.004	13	3	.02	10	.01	2	.30	.04	.03	2	1	Shel 5
55072	1	6	20	43	.1	1	2	399	.69	29	5	ND	11	3	1	2	2	1	.03	.004	17	1	.01	32	.01	8	.34	.03	.11	2	3	"
55073	2	6	52	99	.3	2	3	1116	1.55	9	5	ND	9	3	1	4	2	1	.01	.008	32	3	.02	51	.01	2	.46	.04	.15	1	1	"
94459	1	29	3	74	.1	20	11	580	3.42	2	5	ND	3	58	1	2	2	86	1.14	.098	14	44	1.27	112	.05	9	1.15	.12	.10	1	6	Saf Shel 5
STD C/AU-R	17	57	42	132	6.5	66	29	1043	4.04	37	16	7	37	47	17	16	18	55	.47	.047	38	56	.96	175	.06	32	1.93	.06	.13	10	510	"

Rocks

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS TRACE IS PARTIAL FOR MN PB CA P LA CR MG BA TI B W AND LIMITED FOR MA K AND AG. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1-P5 SOIL PULPS P6-P8 SILT PULPS

DATE RECEIVED: JUNE 30 1988

DATE REPORT MAILED: July 5/88

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

SAMPLE#	NORANDA EXPLORATION PROJECT-255 8806-055 File # 88-2384 Page 1																				Σ10	Σ400									
	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	Mg	K
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	
30833	2	10	137	579	1.2	9	4	322	3.20	37	5	ND	2	9	1	2	2	46	.12	.032	10	18	.30	84	.04	5	2.29	.02	.03	1	Shel 5
30834	2	14	151	381	.8	10	5	426	2.75	44	5	ND	1	8	1	2	2	43	.11	.056	9	16	.32	60	.03	3	1.89	.03	.03	1	
30835	2	11	188	348	1.6	8	4	416	2.90	38	5	ND	2	8	1	2	2	45	.11	.043	10	15	.27	54	.02	3	1.93	.03	.04	1	
30836	2	9	45	400	.4	7	4	362	2.56	21	5	ND	1	12	1	2	2	43	.17	.026	9	13	.31	88	.02	3	1.56	.02	.04	1	
30837	3	15	45	1474	.6	13	8	1384	3.07	26	5	ND	1	21	3	2	2	47	.34	.030	12	19	.48	129	.02	3	2.51	.03	.06	2	
30840	1	18	285	625	1.8	13	6	451	1.15	34	5	ND	2	8	1	2	2	46	.10	.037	10	21	.44	58	.03	3	3.02	.01	.03	1	Shel 5
30841	1	8	49	174	.5	8	3	200	2.94	23	5	ND	2	7	1	2	2	54	.08	.027	10	17	.25	50	.03	3	2.48	.01	.03	1	
30842	1	14	134	371	.8	10	5	271	3.50	50	5	ND	3	6	1	2	3	45	.08	.068	8	20	.34	52	.03	4	4.35	.04	.04	1	
30843	1	15	78	348	1.0	9	4	259	3.13	31	5	ND	2	9	1	2	3	48	.09	.034	11	19	.35	69	.03	13	2.95	.03	.03	2	
30844	2	13	86	268	1.3	9	5	256	3.37	33	5	ND	2	6	1	2	2	50	.07	.040	9	20	.33	57	.02	3	3.08	.03	.03	1	
30846	2	15	236	1177	1.3	10	5	478	3.09	203	5	ND	1	10	2	2	2	44	.14	.065	9	18	.35	79	.02	2	2.46	.02	.03	2	Shel 5
30847	1	14	24	742	.5	12	6	424	3.23	37	5	ND	1	13	1	2	2	52	.18	.027	8	19	.54	86	.03	4	1.99	.04	.04	1	
30848	1	13	42	499	1.0	9	4	283	3.05	34	5	ND	1	8	1	2	2	47	.10	.043	8	18	.38	62	.02	2	2.49	.02	.05	1	
30849	1	13	43	294	.8	10	5	283	3.48	37	5	ND	1	8	1	2	2	54	.10	.040	8	19	.39	63	.03	2	2.55	.01	.04	1	
30850	2	16	53	740	.9	11	5	338	2.81	54	5	ND	1	14	1	2	2	48	.17	.029	11	17	.44	94	.02	3	2.24	.02	.03	1	
31001	2	18	137	344	1.9	11	6	303	3.42	40	5	ND	2	12	1	2	2	49	.11	.036	12	18	.44	108	.02	2	3.16	.02	.08	1	Shel 5
31002	2	10	52	202	.7	7	4	235	3.41	25	5	ND	2	8	1	2	2	58	.09	.028	9	17	.24	84	.02	2	1.95	.03	.04	1	
31003	2	14	60	265	.8	11	5	239	3.66	40	5	ND	3	8	1	2	2	48	.07	.056	10	20	.37	70	.01	3	4.05	.02	.04	1	
31004	1	15	34	182	.7	11	5	257	2.73	17	5	ND	2	8	1	2	2	40	.10	.048	10	17	.37	74	.02	2	2.85	.03	.04	1	
31005	1	14	23	126	.3	9	4	407	2.58	12	5	ND	1	10	1	2	2	43	.11	.066	10	17	.37	67	.01	5	2.06	.03	.06	1	
31007	1	11	35	224	.3	10	5	257	3.14	31	5	ND	1	12	1	2	2	47	.17	.053	9	17	.38	95	.02	4	1.98	.02	.03	1	Shel 5
31008	1	9	34	139	.4	6	4	303	2.99	23	5	ND	1	9	1	2	2	51	.09	.031	10	14	.24	96	.03	4	1.49	.01	.03	1	
31009	1	11	32	162	.5	9	5	358	3.20	17	7	ND	1	10	1	2	2	58	.12	.042	10	19	.33	82	.03	4	1.89	.01	.04	2	
31010	1	11	42	261	.7	8	6	665	2.91	22	5	ND	1	12	1	2	3	47	.17	.060	10	16	.31	112	.02	2	1.99	.02	.06	1	
31011	1	9	33	197	.3	7	4	279	3.10	26	5	ND	1	9	1	2	3	52	.12	.048	10	17	.26	82	.02	2	1.99	.01	.04	1	
31012	3	14	40	996	.9	12	6	733	2.57	51	5	ND	1	16	1	2	3	40	.22	.025	11	18	.47	109	.03	6	2.10	.02	.05	1	Shel 5
31013	2	9	86	356	2.2	5	3	295	2.14	35	5	ND	1	13	1	2	2	40	.14	.040	9	13	.18	93	.02	4	1.39	.01	.05	1	
31014	1	8	29	490	.9	8	4	291	2.55	31	5	ND	1	9	1	2	2	47	.13	.025	7	16	.25	68	.03	8	1.21	.01	.05	1	
31015	2	14	33	1230	.8	14	4	378	3.05	273	5	ND	1	16	1	2	2	43	.23	.030	9	21	.53	114	.03	5	2.36	.01	.07	1	
31016	2	12	35	281	.3	9	4	217	4.53	49	5	ND	1	9	1	2	3	75	.11	.060	7	21	.32	78	.04	2	2.32	.02	.04	1	
31017	1	10	44	153	.6	8	4	208	2.91	24	5	ND	2	9	1	2	3	41	.11	.040	9	16	.26	62	.03	7	2.20	.03	.03	2	Wof Shel 5
31018	1	5	17	55	.2	4	2	147	1.29	7	5	ND	1	12	1	2	2	27	.13	.010	11	8	.17	54	.03	13	.82	.02	.02	1	
31019	2	14	32	168	.8	14	8	433	4.39	24	5	ND	1	11	1	2	2	79	.17	.056	9	24	.62	78	.07	7	1.60	.01	.07	1	
31020	1	9	15	103	.6	7	3	201	1.85	4	5	ND	1	19	1	2	2	36	.25	.016	9	14	.34	80	.03	5	1.16	.03	.04	1	
31021	1	14	33	159	.7	10	6	1055	2.55	22	5	ND	1	31	1	2	3	42	.36	.023	20	17	.38	186	.03	4	1.59	.01	.04	1	
31022	1	8	27	161	.4	7	5	268	3.54	15	5	ND	2	7	1	2	2	58	.10	.134	9	19	.27	69	.02	5	2.82	.01	.03	1	
STD C	17	58	40	132	6.7	67	29	1064	4.02	41	20	7	37	49	18	16	21	57	.49	.083	39	56	.92	176	.07	39	1.95	.08	.14	11	

Soils

NORANDA EXPLORATION PROJECT-255 8806-055 FILE # 88-2384

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Al	Co	Mn	Fe	As	U	Zr	Th	Sr	Cd	Sb	Ni	V	Ca	P	Ta	Cr	Mg	Ba	Ti	K	Al	Na	K	W	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	
30002	1	13	29	157	.1	11	8	420	3.34	20	5	ND	2	9	1	2	2	54	.12	.004	9	21	.33	57	.04	10	2.48	.02	.04	1	Shel 5
30003	1	13	31	227	.6	10	5	271	3.66	24	5	ND	2	12	1	2	2	53	.13	.071	10	21	.27	71	.03	10	3.07	.01	.03	1	
30004	1	11	20	172	.5	9	4	187	3.91	16	5	ND	2	8	1	2	2	59	.08	.083	8	24	.20	53	.04	4	2.84	.02	.03	1	
30005	1	12	27	272	.2	11	6	268	4.01	18	5	ND	2	9	1	2	2	55	.11	.096	9	22	.34	92	.04	7	3.00	.02	.05	1	
30006	1	9	23	165	.1	9	5	257	3.81	13	5	ND	1	8	1	2	2	62	.09	.100	8	20	.27	57	.04	3	2.47	.01	.04	1	
30008	1	11	30	289	.2	10	5	378	3.55	23	5	ND	3	9	1	2	2	50	.11	.049	14	19	.31	65	.04	6	2.93	.01	.03	2	Shel 5
30009	1	14	26	310	.3	10	5	281	3.25	16	5	ND	1	12	1	2	2	49	.13	.030	15	20	.38	76	.04	4	2.55	.03	.04	1	
30090	1	11	23	415	.6	9	4	284	2.66	17	5	ND	3	11	1	2	2	44	.13	.029	13	18	.34	63	.04	6	2.50	.02	.03	1	
30091	1	10	27	235	.2	9	4	229	3.50	25	5	ND	1	10	1	2	2	62	.11	.026	10	21	.34	73	.03	5	2.38	.03	.03	1	
30092	1	10	37	324	.2	9	4	224	3.12	12	5	ND	2	9	1	2	2	48	.10	.031	11	21	.25	57	.03	7	2.70	.03	.02	1	
30094	1	12	35	203	.5	9	5	255	3.39	16	5	ND	3	8	1	2	3	51	.08	.054	10	22	.26	61	.03	8	3.33	.01	.06	1	Shel 5
30095	1	13	27	234	.3	9	5	259	4.41	16	5	ND	3	8	1	2	2	60	.08	.056	8	22	.29	52	.03	4	3.77	.01	.05	1	
30096	1	15	36	177	.4	10	5	344	3.55	25	5	ND	2	8	1	2	2	54	.09	.085	9	20	.31	53	.03	4	2.79	.01	.03	1	
30097	1	13	30	245	.4	10	7	318	3.48	15	5	ND	3	9	1	2	2	51	.09	.078	10	22	.30	55	.04	2	3.47	.01	.04	1	
30098	1	11	32	235	.3	8	5	261	4.01	18	5	ND	3	9	1	2	2	53	.09	.060	8	23	.27	57	.04	5	4.55	.02	.04	1	
55056	3	19	24	814	2.2	14	4	300	2.22	12	6	ND	2	17	1	2	2	35	.19	.019	15	20	.44	81	.03	9	2.35	.01	.06	1	Shel 5
55057	2	10	24	307	.3	9	4	229	3.53	14	5	ND	2	8	1	2	2	50	.10	.049	8	21	.28	54	.04	5	2.75	.01	.03	1	
55058	2	7	21	133	.3	7	2	269	2.76	15	5	ND	2	13	1	2	3	33	.16	.064	22	16	.10	75	.02	8	1.60	.01	.04	1	
55059	1	4	16	226	.5	4	2	116	.92	4	5	ND	1	14	1	2	2	21	.18	.020	11	9	.21	53	.02	6	1.26	.01	.02	1	
55060	1	14	22	476	1.2	9	3	253	1.84	8	5	ND	1	15	1	2	2	32	.19	.019	19	15	.36	88	.02	5	1.93	.01	.04	1	
55062	1	10	22	292	.5	8	4	216	2.55	11	5	ND	1	13	1	2	2	41	.16	.027	15	16	.29	62	.03	4	1.83	.01	.03	1	Shel 5
55063	1	14	28	178	.2	10	5	282	4.12	21	5	ND	2	11	1	2	2	69	.13	.049	11	21	.35	83	.01	3	2.14	.01	.04	2	
55064	2	19	29	686	1.4	12	6	436	3.72	126	5	ND	1	12	1	2	3	49	.15	.042	20	22	.38	65	.03	5	2.90	.01	.03	1	
55065	1	8	28	176	.3	5	3	253	2.36	13	5	ND	1	14	1	2	2	42	.15	.028	16	12	.19	64	.02	3	1.41	.01	.03	1	
55066	1	9	18	154	.1	7	4	387	3.49	18	5	ND	1	11	1	2	2	59	.12	.031	12	18	.29	63	.03	7	1.39	.01	.04	1	
55067	1	8	30	112	.5	5	3	148	2.84	12	5	ND	1	11	1	2	2	37	.11	.045	15	12	.17	61	.02	2	1.52	.01	.04	1	Shel 5
55068	1	15	48	273	.4	7	4	324	3.57	240	5	ND	1	17	1	2	5	45	.21	.046	18	16	.18	104	.01	6	1.33	.03	.04	1	
55069	1	4	23	301	.2	9	4	1198	1.91	11	5	ND	1	21	1	2	2	37	.26	.027	17	18	.25	102	.02	3	1.20	.01	.05	1	
55070	2	7	32	130	.1	6	3	232	3.89	20	5	ND	2	7	1	2	2	46	.07	.077	12	16	.20	41	.02	4	2.62	.01	.03	1	
55071	1	7	18	148	.2	6	4	281	3.14	18	5	ND	1	10	1	2	2	52	.12	.042	13	15	.24	62	.03	5	1.35	.01	.03	1	
94451	1	26	33	797	1.6	16	7	547	3.60	28	5	ND	1	17	1	2	2	57	.20	.040	11	25	.61	139	.02	4	3.00	.01	.06	1	Shel 5
94452	1	25	41	857	.9	18	8	661	3.76	33	5	ND	1	20	1	2	2	60	.25	.031	13	26	.70	135	.02	2	3.07	.01	.07	1	
94453	1	27	33	626	.5	18	8	585	3.82	37	5	ND	1	19	1	2	2	58	.24	.044	12	28	.68	119	.02	5	2.78	.01	.06	1	
94454	1	18	33	795	.6	13	6	558	3.14	26	5	ND	1	17	1	2	2	54	.22	.033	14	23	.51	125	.01	2	2.61	.01	.05	1	
94455	1	13	25	583	.3	13	5	380	2.96	13	5	ND	1	16	1	2	2	51	.20	.026	10	21	.51	98	.03	4	2.26	.01	.05	1	
12-0	2	12	29	101	.2	16	5	318	2.75	6	5	ND	4	42	1	2	2	44	.35	.070	21	22	.34	217	.07	13	1.85	.02	.08	1	NaF Sm 143
97D C	18	60	42	137	7.0	70	30	1087	4.15	40	19	7	37	51	18	17	18	59	.50	.085	41	59	.93	183	.07	37	2.01	.06	.14	12	

Soils

NORANDA EXPLORATION PROJECT-255 8806-055 FILE # 88-2384

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ki	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Ni	V	Ca	F	La	Cr	Mg	Ba	Ti	R	Al	Na	K	W
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM
12-100	1	12	16	72	.2	9	5	455	2.11	7	5	ND	2	49	1	2	2	41	.41	.041	19	16	.33	154	.06	5	1.28	.03	.06	1
12-200	1	19	16	89	.2	11	6	515	2.42	5	5	ND	1	43	1	2	2	45	.42	.033	22	20	.44	206	.06	2	1.93	.01	.08	1
12-300	1	12	15	76	.1	12	7	411	2.33	4	5	ND	1	42	1	2	2	51	.34	.042	14	14	.41	114	.08	6	1.32	.01	.05	1
12-400	1	16	18	117	.2	13	6	660	2.12	3	5	ND	1	48	1	2	2	39	.44	.049	14	23	.29	169	.04	11	1.47	.01	.06	1
12-500	1	8	13	53	.1	7	4	243	1.75	5	5	ND	2	29	1	2	2	35	.25	.021	11	14	.31	110	.07	10	1.09	.03	.05	1
12-600	1	11	14	57	.1	12	5	220	2.39	5	5	ND	2	24	1	2	2	43	.23	.045	13	19	.31	154	.07	7	1.91	.01	.05	1
12-700	1	11	17	76	.1	11	5	291	2.36	5	5	ND	3	21	1	2	2	40	.22	.047	15	17	.32	125	.05	3	1.88	.01	.06	1
12-800	1	11	16	85	.1	11	5	245	2.60	8	5	ND	1	28	1	2	2	46	.25	.044	12	16	.30	137	.05	3	1.70	.01	.06	1
12-900	1	12	20	77	.2	10	8	271	2.97	9	5	ND	3	29	1	2	2	51	.24	.048	13	24	.41	170	.05	10	2.38	.01	.07	1
12-1000	1	8	15	74	.1	8	4	351	2.00	3	5	ND	1	30	1	2	2	37	.24	.032	13	14	.30	107	.05	3	1.33	.02	.05	1
12-1100	1	10	15	81	.1	10	5	189	2.16	2	5	ND	3	26	1	2	2	37	.21	.036	15	17	.29	163	.06	7	2.22	.01	.07	1
12-1200	1	7	14	64	.1	7	4	216	1.88	3	5	ND	2	30	1	2	2	38	.27	.041	14	12	.29	90	.07	8	1.13	.01	.06	1
12-1300	1	7	12	68	.1	8	4	208	2.15	5	5	ND	2	20	1	2	2	39	.17	.027	12	12	.26	84	.05	8	1.24	.01	.05	1
12-1400	1	11	17	80	.1	11	5	257	2.59	6	6	ND	3	24	1	2	2	45	.22	.052	15	15	.38	158	.06	7	1.94	.01	.06	1
12-1500	1	15	18	85	.1	14	8	265	2.96	5	5	ND	4	17	1	2	2	49	.15	.075	14	17	.40	188	.05	4	2.69	.02	.06	1
12-1600	2	15	27	122	.1	14	8	314	3.64	3	5	ND	5	12	1	2	2	57	.08	.130	15	20	.40	136	.05	3	3.87	.01	.07	1
12-1700	1	6	14	114	.3	8	4	209	2.24	5	5	ND	2	17	1	2	2	39	.17	.075	12	12	.20	85	.06	2	1.43	.01	.07	1
12-1800	1	8	16	90	.1	9	5	186	2.45	2	5	ND	2	24	1	2	2	42	.18	.058	12	14	.24	109	.05	6	1.63	.01	.04	1
12-1900	1	11	20	104	.1	13	6	248	3.08	9	5	ND	3	18	1	2	2	50	.15	.105	11	17	.37	99	.05	5	2.40	.01	.07	2
12-2000	1	10	19	93	.1	9	5	217	2.48	5	5	ND	1	24	1	2	3	42	.22	.036	13	14	.31	119	.04	5	1.93	.01	.05	1
12-2100	1	10	19	107	.1	11	6	367	2.80	8	5	ND	1	33	1	2	2	49	.30	.046	17	17	.42	143	.05	2	1.88	.01	.07	1
12-2200	2	10	68	101	.1	8	4	271	2.05	2	5	ND	1	28	1	2	2	38	.32	.032	15	13	.36	126	.05	8	1.48	.02	.05	1
12-2300	1	10	24	105	.1	12	6	347	3.05	7	5	ND	2	32	1	2	3	53	.33	.048	15	18	.39	157	.07	2	1.89	.01	.04	1
12-2400	2	11	45	149	.2	11	6	525	2.78	7	5	ND	1	30	1	2	2	48	.29	.038	16	18	.34	189	.06	12	1.48	.01	.05	1
12-2500	1	13	30	83	.1	12	7	787	2.93	7	6	ND	2	34	1	2	2	52	.40	.057	19	19	.37	168	.07	7	1.34	.01	.07	1
12-2600	1	12	19	110	.1	12	6	304	3.13	8	5	ND	1	25	1	2	2	52	.24	.075	17	19	.33	123	.05	10	1.88	.01	.05	1
12-2700	1	9	14	55	.1	7	4	282	1.94	4	5	ND	1	32	1	2	2	38	.29	.040	16	13	.30	117	.07	6	1.02	.01	.05	1
12-2800	1	8	16	65	.1	8	4	264	2.06	3	5	ND	2	27	1	2	2	38	.31	.052	16	14	.34	102	.07	2	1.26	.01	.07	1
12-2900	1	14	16	82	.1	9	5	521	2.10	3	5	ND	1	32	1	2	2	36	.26	.039	18	15	.33	135	.04	8	1.56	.01	.06	1
12-3000	1	15	21	76	.1	10	6	640	2.30	2	5	ND	1	36	1	2	2	42	.33	.040	20	16	.38	154	.05	5	1.52	.02	.07	1
12-3100	1	10	18	63	.1	7	4	199	1.69	2	5	ND	1	27	1	2	2	31	.23	.027	15	14	.32	112	.06	3	1.30	.01	.05	1
12-3200	1	10	16	88	.1	10	6	329	2.35	6	5	ND	1	37	1	2	2	43	.29	.049	13	15	.30	146	.05	5	1.49	.01	.06	1
12-3300	1	12	19	61	.1	8	5	206	2.27	4	5	ND	1	33	1	2	2	39	.28	.065	13	16	.38	122	.07	6	1.88	.01	.06	1
12-3400	1	12	18	71	.1	12	6	345	2.68	2	7	ND	2	41	1	2	2	50	.35	.066	16	19	.45	144	.08	5	1.83	.01	.07	1
12-3500	1	9	16	118	.3	12	7	303	2.82	2	5	ND	1	69	1	2	2	52	.45	.106	11	20	.30	231	.06	4	1.46	.01	.08	2
12-3600	1	8	16	102	.3	8	4	401	2.39	5	5	ND	1	30	1	2	2	46	.35	.074	9	16	.19	111	.04	6	1.08	.01	.08	1
STD C	18	60	42	132	6.8	69	30	1039	4.16	40	20	7	36	51	18	16	20	59	.50	.085	41	59	.93	183	.07	36	2.01	.05	.15	11

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	Co PPM	Ni PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM
12-3700	1	15	17	90	.2	13	7	247	2.97	7	5	ND	5	101	1	2	3	53	.39	.083	17	21	.48	234	.05	4	2.13	.01	.10	1
12-3800	1	10	18	157	.3	14	6	443	3.24	6	5	ND	4	19	1	2	2	63	.13	.130	13	23	.31	145	.05	2	2.28	.01	.07	1
12-3900	1	14	27	181	.5	14	8	510	3.12	7	5	ND	3	77	1	2	2	63	.58	.036	35	22	.38	194	.05	4	1.69	.01	.08	1
12-4000	1	8	15	58	.1	7	3	231	1.36	6	5	ND	1	49	1	2	2	28	.24	.037	11	14	.18	136	.06	3	1.00	.01	.06	1
12-4100	1	11	16	74	.2	11	6	426	2.53	6	5	ND	4	46	1	2	3	51	.28	.080	15	18	.27	173	.07	2	1.46	.01	.08	1
12-4200	2	19	22	333	1.6	29	7	786	2.90	12	5	ND	3	140	1	2	2	56	1.19	.062	88	26	.57	292	.03	4	3.40	.01	.10	1
12-4300	1	11	15	57	.1	9	6	421	2.44	8	5	ND	5	83	1	3	2	52	.39	.067	16	19	.34	151	.08	4	1.10	.01	.07	1
12-4400	1	11	11	60	.2	12	6	271	2.38	7	5	ND	4	60	1	2	3	48	.38	.049	14	18	.35	199	.07	2	1.56	.01	.08	1
12-4500	1	12	14	66	.1	11	6	536	2.44	7	5	ND	5	67	1	2	3	50	.37	.060	14	17	.38	225	.08	9	1.45	.01	.10	1
12-4600	2	20	46	167	.6	12	6	597	2.67	9	5	ND	4	49	1	2	2	44	.35	.048	28	18	.33	170	.06	3	1.50	.01	.09	1
12-4700	1	10	17	60	.1	9	5	407	2.10	6	5	ND	5	38	1	2	2	44	.33	.058	15	15	.28	122	.07	8	.77	.02	.06	1
12-4800	1	8	41	187	.2	8	4	238	2.44	6	5	ND	4	24	1	3	2	42	.21	.110	18	15	.29	131	.06	6	1.60	.01	.06	2
STD C	19	63	43	132	7.4	71	31	1070	4.03	44	19	7	40	53	19	17	22	61	.49	.090	40	61	.93	180	.07	35	1.97	.06	.15	14

N of Sta 143

orig. rich

Soils

NORANDA EXPLORATION PROJECT-255 8806-055 FILE # 88-2384

SAMPLE#	≥1000										≥100										≥400										W	Notes
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	R	Al	Na	K	W		
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
30013	1	16	26	120	.2	13	8	769	2.97	5	5	ND	2	42	1	2	2	56	.42	.062	19	19	.40	172	.05	8	1.37	.01	.07	1	Nof Stan 143	
30016	1	13	14	274	.2	9	5	1648	1.86	4	5	ND	1	70	1	2	3	37	.55	.034	18	13	.25	183	.05	3	1.04	.03	.04	1	"	
30019	1	23	42	837	.9	13	7	1007	2.82	22	5	ND	1	40	3	2	2	41	.55	.064	18	19	.47	159	.01	6	2.17	.02	.06	1	SW of Shel 5	
30020	1	21	39	973	.7	11	7	933	2.58	19	6	ND	1	37	3	2	3	37	.59	.059	17	18	.41	121	.01	3	1.62	.02	.06	1	"	
30021	1	24	52	421	.3	15	11	1447	3.22	17	5	ND	2	25	2	3	2	51	.37	.051	13	21	.50	121	.04	7	1.56	.01	.07	1	"	
30022	2	20	51	1187	1.5	15	9	3083	2.74	35	8	ND	1	42	6	2	2	39	.57	.081	21	19	.47	217	.01	8	2.53	.01	.07	2	Shel 5	
30023	5	29	97	1796	2.0	19	12	5628	3.39	87	8	ND	1	49	9	2	2	45	.63	.106	22	22	.51	231	.01	8	3.10	.01	.08	1	"	
30024	2	24	112	844	1.7	17	8	2594	2.76	31	5	ND	1	61	3	2	2	38	.82	.158	17	22	.47	214	.01	9	3.18	.01	.10	1	"	
30026	1	17	42	295	.3	11	7	1272	2.96	18	5	ND	1	26	1	2	2	50	.41	.053	13	17	.44	100	.04	6	1.20	.01	.05	1	W of Shel 5	
30027	2	20	56	385	.5	14	10	2022	3.35	23	5	ND	1	31	1	2	2	52	.45	.058	15	19	.47	136	.03	6	1.42	.01	.06	1	"	
30028	1	17	41	305	.8	12	7	1396	2.71	19	5	ND	1	40	1	2	2	42	.50	.067	14	17	.42	159	.02	6	1.83	.01	.07	1	"	
30029	1	18	43	338	.3	13	9	1489	3.51	20	6	ND	1	29	1	2	3	60	.47	.056	13	21	.47	104	.04	13	1.16	.03	.07	1	"	
30030	9	19	73	522	.4	14	12	4256	3.60	25	6	ND	1	34	2	2	2	54	.47	.053	17	20	.47	201	.02	5	1.75	.01	.07	1	Shel 5	
30031	2	16	30	434	.5	11	9	4445	3.03	12	5	ND	1	36	2	2	2	44	.44	.056	14	16	.40	173	.02	10	1.58	.02	.06	1	"	
30032	3	22	27	1138	.5	14	10	6105	3.77	25	5	ND	1	43	7	2	2	44	.63	.071	20	19	.40	190	.02	13	1.81	.01	.05	1	"	
31347	1	23	7	80	1.0	5	7	1771	1.80	3	5	ND	1	99	1	2	2	17	1.80	.124	17	8	.14	122	.01	21	.99	.02	.04	1	SoF Shel 5	
31349	1	10	15	109	.2	10	6	619	4.16	13	5	ND	1	30	1	2	3	66	.49	.076	16	18	.55	88	.03	4	1.40	.01	.04	1	same site as 31350	
31350	1	15	14	141	.4	7	15	8130	13.09	35	5	ND	1	83	1	2	2	39	1.02	.070	21	11	.24	239	.01	11	1.26	.03	.04	1	org.	
31388	1	23	34	272	1.0	11	8	2878	2.58	6	5	ND	1	71	1	2	2	38	.60	.075	31	15	.24	294	.01	4	2.28	.01	.06	1	Stan 3	
31389	7	13	28	165	.6	11	17	7653	4.57	13	5	ND	1	84	1	2	2	51	.60	.085	24	14	.33	347	.01	7	2.82	.01	.05	1	"	
31397	3	12	27	249	.3	12	10	7298	2.81	10	5	ND	1	45	1	2	2	38	.39	.065	16	15	.27	283	.02	11	1.60	.01	.06	1	"	
31398	4	11	32	387	.1	13	31	15786	5.00	12	5	ND	1	51	2	2	2	45	.35	.051	13	14	.28	493	.02	4	1.55	.01	.05	1	"	
31399	2	11	28	177	.3	10	15	8276	3.41	6	5	ND	1	60	1	2	2	39	.45	.074	17	12	.25	303	.01	6	1.70	.01	.04	1	"	
31400	7	18	22	454	.2	12	29	11155	5.72	12	5	ND	1	88	4	2	2	51	.65	.114	16	14	.43	378	.03	16	1.71	.02	.09	1	SoF Stan 3	
31572	2	13	17	139	.3	9	7	1047	2.57	4	5	ND	1	54	1	2	2	41	.43	.057	16	14	.38	204	.03	6	1.35	.01	.05	1	Nof Stan 4	
31573	2	14	18	108	.2	12	8	1253	2.64	6	5	ND	1	53	1	2	2	46	.44	.056	17	17	.38	213	.03	6	1.90	.02	.05	1	"	
31574	1	12	18	119	.2	10	9	2575	2.44	6	5	ND	1	47	1	2	2	40	.38	.052	15	14	.34	199	.03	6	1.59	.02	.03	1	Stan 4	
31575	2	13	16	90	.2	13	8	927	2.81	8	5	ND	2	33	1	2	2	53	.31	.050	14	24	.35	155	.04	3	1.41	.01	.05	1	"	
34864	3	17	41	225	.4	16	10	2887	3.62	17	5	ND	4	66	1	3	2	49	.47	.072	17	26	.66	211	.03	10	1.28	.02	.09	1	Core?	
35393	1	11	16	96	.3	10	8	1586	2.18	4	5	ND	1	43	1	2	2	36	.38	.051	15	14	.33	159	.03	11	1.33	.01	.04	1	Stan 4	
35395	1	22	24	135	.7	14	7	1455	2.85	2	5	ND	1	75	1	2	2	46	.55	.081	25	18	.38	349	.01	2	3.15	.01	.07	1	"	
35397	2	8	15	93	.2	8	7	1503	2.29	6	5	ND	1	34	1	2	2	37	.31	.045	13	13	.32	138	.03	7	1.26	.01	.04	1	"	
36101	1	15	12	80	.2	12	14	5383	4.41	55	5	ND	1	80	1	2	2	39	.64	.122	21	14	.29	349	.02	6	1.39	.01	.07	1	SoF Francis Lk	
36102	1	24	16	103	.5	17	9	3695	3.14	15	5	ND	1	91	1	2	2	42	.86	.081	28	18	.41	310	.02	7	2.17	.01	.09	1	"	
36103	1	13	13	62	.3	12	6	1530	2.38	5	5	ND	1	52	1	2	2	35	.56	.061	19	17	.36	191	.03	7	1.46	.03	.09	1	"	
36104	1	13	12	83	.1	11	9	7074	3.02	12	5	ND	1	62	1	2	2	35	.60	.069	16	14	.33	325	.02	7	1.35	.02	.06	1	"	
36105	1	22	18	169	.4	15	11	12810	3.71	15	5	ND	1	121	1	2	2	37	1.04	.105	27	17	.40	378	.01	5	1.86	.01	.10	1	"	
STD C	18	60	42	132	6.9	69	30	1035	4.15	41	18	7	37	51	18	15	19	59	.90	.085	41	58	.93	182	.07	36	1.98	.06	.15	14		

Silts

Silts

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Hf PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Na PPM	Ti %	B PPM	Al %	Si %	I %	W PPM
94458	5	28	5	81	.6	9	6	11736	2.79	43	5	ND	2	243	1	2	2	16	2.58	.161	22	8	.28	426	.01	24	.69	.01	.07	1
94460	1	15	21	121	.2	12	7	818	3.39	10	5	ND	4	31	1	2	2	67	.44	.040	14	22	.46	91	.06	6	1.03	.01	.05	1
94461	1	15	24	121	.1	11	7	800	2.63	12	5	ND	4	32	1	2	2	43	.43	.059	14	16	.44	108	.04	6	1.05	.01	.06	2
94462	1	17	10	97	.1	11	9	2743	3.59	11	5	ND	3	37	1	2	2	64	.41	.068	10	21	.38	119	.08	5	1.29	.03	.03	1
94463	1	21	17	118	.1	15	9	821	3.47	16	5	ND	3	35	1	2	3	65	.45	.062	12	23	.44	93	.07	6	1.00	.02	.05	1

SoF Shel 5

Silts

Kelford / Whitesail (JM)

8806-069

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE (604) 253-3158 FAX (604) 253-3716

GEOCHEMICAL ANALYSIS CERTIFICATE

RECEIVED JUL 06 1988

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR NH FE CA P LA CR NG NA TI B W AND LIMITED FOR NA K AND AL. NO DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: ROCK AU ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 21 1988 DATE REPORT MAILED: July 2/88 ASSAYER: C. Leong D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT-88-06-069-255 File # 88-2224 Page 1

Table with columns for SAMPLE#, Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Na, Ti, B, Al, Na, K, W, Au, and PPM values for various elements. Includes handwritten notes like 'Shel 9', 'Shel 10', 'Shel 3', 'Shel 4', 'Shel 7', 'Copy to Del.', 'Naf shel 9', 'Shel 9', 'Shel 9', 'Shel 1', and 'PB?'.

8 June

Rocks

NORANDA EXPLORATION PROJECT-88-06-069-255 FILE # 88-2224

SAMPLE	No PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Bi PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Ni PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Si %	K %	W PPM	Au ² PPM	
PR255 35392	1	4	4	7	.2	2	1	70	.33	2	5	ND	5	35	1	2	2	1	.23	.004	15	3	.03	31	.01	7	.42	.14	.47	1	1	?
PR255 36161	1	21	117	329	.6	6	2	3290	1.66	11	5	ND	6	17	1	2	2	8	.20	.040	14	6	.49	140	.05	5	1.05	.02	.16	1	1	Shel 9
PR255 36162	1	23	7	18	.2	3	1	72	.65	2	5	ND	6	3	1	2	3	1	.01	.003	31	2	.01	68	.01	8	.24	.01	.15	2	1	"
PR255 36163	5	6	132	58	3.2	2	1	135	.98	30	5	ND	8	6	1	3	2	1	.01	.006	26	1	.01	309	.01	5	.33	.02	.14	1	5	"
PR255 36164	4	10	117	381	.7	1	1	1867	1.03	28	5	ND	7	10	2	2	2	1	.08	.008	22	1	.02	221	.01	3	.28	.02	.14	1	1	"
PR255 36165	3	5	73	78	.3	1	1	580	.60	5	5	ND	11	3	1	2	2	1	.01	.006	30	2	.01	27	.04	3	.44	.02	.13	2	1	"
PR255 36166	1	6	33	91	.2	14	6	952	3.94	21	5	ND	2	31	1	2	2	40	.36	.083	7	30	1.22	63	.10	10	1.75	.02	.12	1	1	"
PR255 36167	3	42	30	21	1.3	1	2	381	1.72	15	5	ND	9	8	1	2	17	5	.06	.033	9	3	.27	68	.01	2	.41	.02	.14	1	2	"
PR255 36168	2	23	9	9	.5	12	11	18	5.78	43	5	ND	6	2	1	2	2	2	.01	.007	9	2	.03	24	.01	4	.28	.01	.16	1	4	"
PR255 36169	1	8	20	48	.2	1	1	594	.61	2	7	ND	11	3	1	2	2	1	.01	.007	32	2	.02	125	.02	10	.32	.02	.12	2	1	"
PR255 36170	3	34	89	95	1.5	1	1	337	1.51	26	5	ND	9	5	1	2	4	1	.01	.008	31	2	.01	77	.01	6	.32	.01	.18	1	2	"
PR255 36171	2	162	390	558	.3	5	4	887	7.62	23	5	ND	10	7	1	2	2	19	.05	.027	14	7	.19	47	.02	6	.98	.01	.11	1	1	Shel 2
PR255 36172	1	10	102	99	.6	7	2	1425	1.44	4	5	ND	7	17	1	2	2	10	.62	.034	19	7	.17	108	.03	10	.51	.02	.19	1	1	Hills 2
PR255 36224	4	13	42	92	.2	4	3	765	3.16	2	5	ND	9	20	1	2	2	15	.55	.027	28	3	.52	44	.01	4	1.13	.02	.12	1	1	Hills 2
PR255 38001	1	16	17	83	.3	11	9	574	3.83	6	5	ND	3	33	1	2	3	47	.45	.089	5	44	1.46	18	.09	2	1.58	.05	.06	1	1	Shel 9
PR255 38002	1	5	86	110	.1	4	2	2190	1.74	21	5	ND	3	13	1	2	2	11	.21	.044	8	7	.40	55	.12	12	.92	.03	.13	2	1	"
PR255 38003	1	18	335	554	5.5	4	2	3532	1.44	18	5	ND	7	4	1	2	2	5	.08	.045	22	7	.25	33	.02	6	.69	.02	.16	1	9	"
PR255 38004	1	4	15	20	.2	1	1	168	.43	12	5	ND	4	4	1	2	2	1	.01	.004	29	2	.01	84	.01	4	.24	.01	.17	1	1	Shel 10
PR255 38005	1	1	10	81	.1	4	2	1576	1.15	2	5	ND	2	26	1	2	2	4	.86	.034	19	3	.39	118	.01	8	.92	.01	.20	1	1	"
PR255 38006	1	14	22	88	.2	7	3	753	3.05	3	5	ND	3	17	1	2	6	21	.58	.049	20	8	.55	88	.01	14	.89	.03	.13	1	1	Shel 2
PR255 38007	1	51	231	469	.4	6	4	2356	1.38	3	5	ND	4	27	3	2	2	8	.85	.042	26	5	.30	586	.01	9	.67	.02	.21	1	2	"
PR255 38008	1	29	15	101	.1	60	20	973	5.03	4	5	ND	1	373	1	2	2	86	3.50	.192	37	46	2.35	791	.01	16	2.47	.07	.12	1	1	"
PR255 38009	1	6	118	220	.4	6	5	1762	1.87	2	5	ND	4	13	1	2	2	9	.27	.041	21	7	.36	229	.01	15	.74	.02	.17	1	1	"
PR255 38011	1	4	17	244	.1	6	2	1372	1.70	2	5	ND	4	13	1	2	2	12	.37	.035	15	5	.55	51	.04	3	1.02	.02	.12	1	1	"
PR255 38014	1	27	8	122	.2	5	4	952	2.53	3	5	ND	2	10	1	2	2	20	.27	.046	10	8	.45	44	.04	2	1.12	.03	.10	1	1	"
PR255 38021	2	4	65	38	.7	3	2	403	1.67	2	5	ND	7	9	1	2	2	1	.01	.022	17	2	.02	213	.02	6	.22	.02	.15	2	8	"
PR255 94471	1	3	7	61	.1	17	6	902	2.52	2	3	ND	2	28	1	2	2	46	1.26	.073	17	37	1.22	37	.01	6	1.55	.02	.11	1	1	Shel 4
PR255 94472	1	11	13	61	.1	13	8	638	2.81	4	5	ND	1	38	1	2	3	44	.83	.074	9	27	1.02	158	.11	5	1.38	.03	.45	1	1	"
PR255 94473	23	27	18	65	.4	22	28	525	5.71	58	5	ND	2	34	1	2	43	40	1.02	.075	12	37	1.01	29	.01	2	1.40	.03	.09	1	9	"
PR255 94474	4	7	25	74	.2	45	141	544	11.37	55	5	ND	2	32	1	2	2	44	1.25	.087	9	34	1.48	12	.01	5	1.90	.03	.24	1	14	"
PR255 94475	1	46	42	1804	.1	10	1	99999	.26	9	7	ND	1	121	79	2	2	1	.05	.009	17	2	.09	729	.01	2	.62	.01	.23	1	1	Mo. No. 1
STD C/AU-R	17	58	38	132	7.1	68	27	1075	4.03	41	17	7	36	47	17	16	18	55	.46	.085	39	53	.92	172	.06	31	1.90	.06	.14	11	490	

Rocks

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: SHELFORD-WHITESAIL

CODE : 8806-069

Project No. : 255 Sheet: 1 of 7 Date rec'd: JUN23
 Material : 292 SOILS & Geol. : C. G. Date compl:
 Remarks : 51 SILTS

Values in PPM, except where noted.

T. T. No.	SAMPLE No.	PPB Au	
1	9700N-9750E SOIL shel 1,6	10	NH Grid
2	9800	10	
3	9825	10	
4	9875	10	
5	9950	10	
6	9975	10	
7	10025	10	
8	10050	10	
9	10075	10	
10	10150	10	
11	10200	10	
12	10225	10	
13	9700N-10250E	10	
14	9800N-9750E	10	
15	9775	10	
16	9800	10	
17	9825	10	
18	9850	10	
19	9875	10	
20	9900	10	
21	9925	10	
22	9975	10	
23	10025	10	
24	10050	10	
25	10100	10	
26	10125	10	
27	10150	10	
28	10175	10	
29	10200	10	
30	10225	10	
31	9800N-10250E	10	
32	9900N-9750E	10	
33	9775	10	
34	9800	10	
35	9825	10	
36	9850	10	
37	9875	10	
38	9900	10	
39	9925	10	
40	9950	10	
41	9975	10	
42	10025	10	
43	10100	10	
44	10050	10	
45	10075	20	
46	10125	10	
47	10150	10	
48	10175 SOIL	10	

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 JUL 19 1988
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 Del ✓

T. T.
No.SAMPLE
No.PPB
Au8806-069
Pg. 2 of 7

31

T. T. No.	SAMPLE No.		PPB Au	
49	10200	SOIL Shel 1, 6	10	MH Grid
50	10225		10	
51	9900N-10250E		10	
52	10000N-9750E		10	
53	9775		10	
54	9800		10	
55	9825		10	
56	9850		10	
57	9875		10	
58	9900		10	
59	9925		10	
60	9950		10	
61	9975		10	
62	10025		100	
63	10100		40	
64	10125		10	
65	10150		10	
66	10175		10	
67	10200		10	
68	10225		10	
69	10000N-10250E		10	
70	10000E-9600N		10	
71	9650		10	
72	9675		10	
73	9700		10	
74	9725		10	
75	9750		10	
76	9775		10	
77	9800		10	
78	9825		10	
79	9850		10	
80	9875		10	
81	9925		10	
82	9950		10	
83	9975		10	
84	10000E-10000N		10	
85	19891	Shel 10	10	"83 XAS 6452" Followup
86	19892		10	
87	19893		10	
88	19894		10	
89	19895		10	
90	19902	Shel 9	10	
91	31601	E of Shel 6	10	"83 XSS 922" Followup
92	31602		10	
93	31603		10	
94	31604		10	
95	31605		10	
96	31606	E of Shel 6	10	"83 XSS 856" Followup
97	31607		10	
98	31608		10	
99	31609		10	
100	31610		10	
101	31611	S of Shel 1	10	"83 XNS 899" Followup
102	31612		10	
103	31613		10	
104	31614		10	
105	31615	SOIL	10	

T. T. No.	SAMPLE No.		PPB Au	
106	31616	SOIL S of Shel 1 Stan	10	" 83 XNS 899" Followup
107	31617		10	
108	31618		10	
109	31619		10	
110	31620		10	
111	31621	Stan 1	10	" 83 XSS 980" followup
112	31622		10	
113	31623		10	
114	31624		10	
115	31625		10	
116	31626	N of Shel 6	10	" 83 XSS 888" followup
117	31627		40	
118	31628		10	
119	31629		10	
120	31630		10	
121	31631	Shel 6	10	" 83 XSS 899" followup *
122	31632		10	
123	31633		10	
124	31634		10	
125	31635		10	
126	31636	Shel 6	10	" 83 XSS 901" followup
127	31637		10	
128	31638		10	
129	31639		10	
130	31640		10	
131	31641	Shel 6	10	" 83 XSS 905" followup
132	31642		10	
133	31643		10	
134	31644		10	
135	31645		10	
136	37989	Shel 9	10	" 83 XAS 6569" followup
137	37990		10	
138	37991		10	
139	37992		10	
140	37993		10	
141	37994	Shel 9	40	" 83 XAS 6568" followup
142	37995		10	
143	37996		10	
144	37997		10	
145	37998		10	
146	38016	Stan 2	10	compass traverse
147	38017		10	
148	38018		10	
149	38019		10	
150	38020		10	
151	38021		10	
152	38022		10	
153	38023		10	
154	38024		10	
155	38025		10	
156	38026	Shel 9	10	" 83 XLS 1471" Followup
157	38027		10	
158	38028		10	
159	38029		10	
160	38030		10	
161	38031	Shel 9	10	" 83 XLS 1472" followup
162	38032	SOIL	10	

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T. T. No.	SAMPLE No.		PPB Au	
163	38033	SOIL	50	" 83 XLS 1472" Followup cont.
164	38034		10	
165	38035		10	
166	38036	Shel 9	10	" 83 XLS 1475" Followup
167	38037		10	
168	38038		10	
169	38039		10	
170	38040		10	
171	38041	Shel 10	10	" 83 XRS 1143" followup
172	38042		20	
173	38043		10	
174	38044		10	
175	38045		10	
176	38046	Shel 10	10	" 83 XRS 1145" Followup
177	38047		10	
178	38048		10	
179	38049		10	
180	38050		10	
181	38051	Shel 9	10	" 83 XRS 1303" Followup
182	38052		10	
183	38053		10	
184	38054		10	
185	38055		10	
186	38056	Shel 9	10	" 83 XLS 1440" Followup
187	38057		10	
188	38058		10	
189	38059		100	
190	38060		10	
191	38061	Shel 9	10	" 83 XLS 1439" Followup
192	38062		10	
193	38063		10	
194	38064		10	
195	38065		10	
196	38066	Shel 9	10	" 83 XLS 1420" Followup
197	38067		10	
198	38068		10	
199	38069		10	
200	38070		10	
201	38071	Shel 9	10	" 83 XLS 1424" Followup
202	38072		10	
203	38073		10	
204	38074		10	
205	38075		10	
206	38076	Shel 10	10	N-S compass line
207	38077		10	
208	38078		10	
209	38079		10	
210	38080		10	
211	38081		10	
212	38082		10	
213	38083		10	
214	38084		10	
215	38085		10	
216	38086		10	
217	38087		10	
218	38088		10	
219	38089	SOIL	10	

T. T. No.	SAMPLE No.		PPB Au	BB05-059 Pg. 5 of 7
220	38090	SOIL Shel 10	10	N-S compass line (cont.)
221	38091		10	
222	38092		10	
223	38095	Stan 2	10	E-W compass line
224	38096		10	
225	38097		10	
226	38098		10	
227	38099		10	
228	38100		10	
229	38126	Stan 2	10	" 83 XSS 931" Followup
230	38127		10	
231	38128		10	
232	38129		10	
233	38130		10	
234	38131	Stan 2	10	" 83 XSS 932" Followup
235	38132		10	
236	38133		10	
237	38134		10	
238	38135		10	
239	38136	Stan 2	10	" 83 XSS 936" Followup
240	38137		10	
241	38138		10	
242	38139		10	
243	38140		10	
244	38141	Stan 2	10	" 83 XGS 688" Followup
245	38142		10	
246	38143		10	
247	38144		10	
248	38145		10	
249	38201	Stan 3	10	" 83 XGS 710" Followup
250	38202		10	
251	38203		10	
252	38204		10	
253	38205		10	
254	38206	Stan 3	10	" 83 XGS 711" Followup
255	38207		10	
256	38208		10	
257	38209		10	
258	38210		10	
259	38211	Stan 3	10	" 83 XGS 712" Followup
260	38212		510	
261	38213		10	
262	38214		10	
263	38215		10	
264	38820	Stan 2 humus	10	compass line @ 250° from blue camp 2
265	38822	B-hor.	70	
266	38926	Shel 9	10	" 83 XQS 1229" Followup
267	38927		20	
268	38928		10	
269	38929		10	
270	38930		10	
271	38931	Shel 9	10	" 83 XQS 1234" Followup
272	38932		10	
273	38933		10	
274	38934		10	
275	38935		10	
276	38936	SOIL Shel 9	10	" 83 XQS 1237" Followup

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T. T. No.	SAMPLE No.		PPB Au	
277	38937	SOIL Shel 9	10	" 83 XQS 1237" Followup (cont.)
278	38938		10	
279	38939		10	
280	38940		10	
281	38944	Shel 9	10	" 83 XHS 137" Followup
282	38945		10	
283	38946		10	
284	38947		10	
285	38948		10	
286	38951	Stan 2	10	E-W compass line
287	94464	Shel 10	10	compass line
288	94465		10	
289	94466		10	
290	94467	Shel 10	10	Compass line
291	94468		10	
292	94469	SOIL	10	
293	19878	SILT shel 4	10	
294	19879	"	10	
295	19880	"	10	
296	19881	"	40	
297	19882	shel 9	10	
298	19884	shel 9	10	
299	19885	"	10	
300	19887	shel 9	10	
301	19890	shel 9	10	
302	19896	Shel 9	10	
303	19915	Shel 9	10	
304	19916		10	
305	19917		40	
306	19918		10	
307	19919		10	
308	19920		10	
309	31381	PB ?	10	Del ?
310	31382	Su claims	10	9 June 88
311	31383	93 L/SE	10	
312	31384		10	
313	31385		10	
314	34872	Stan 1	10	
315	35389	PB? Su?	10	carey ?
316	36206	stan 1	10	18 June
317	36207	N of shel 6	10	
318	36208	shel 6	10	
319	36209	"	10	
320	36210	"	10	
321	36211	"	10	
322	36212	Hills 2	10	20 June 88
323	36213	"	10	
324	36214	"	10	
325	36215	"	10	
326	36216	shel 9	10	
327	36217	Hills 2	10	
328	36218	"	10	
329	36219	Hills 2	10	
330	36220	"	10	
331	36221	s of Hills 2	10	
332	38000	Shel 9	10	
333	38010	SILT Stan 2	10	

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SAMPLE
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PPB
Au

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T. T. No.	SAMPLE No.		PPB Au	
334	38012 SILT	Stn 2	10	
335	38013		10	
336	38015	Stn 2	10	
337	38093	Stn 2	10	
338	38146	Stn 2	10	
339	38216		10	Carey 20 June
340	38941	shel 9	10	
341	38942	"	10	
342	38943	"	10	
343	94470 SILT	shel 10	10	

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR NA PK SR CA P LA CR NG NA TI B W AND LIMITED FOR NA K AND AL. AN DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PI-PII SOIL PULP

DATE RECEIVED: JULY 12 1988

DATE REPORT MAILED: July 16/88

ASSAYER: C. Long D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

SAMPLE#	NORANDA EXPLORATION PROJECT-8806-069 255 File # 88-2633 Page 1																				Shel 1,6									
	10 No PPM	100 Cu PPM	50 Pb PPM	250 Zn PPM	16 Ag PPM	16 W PPM	2100 Co PPM	26 Mn PPM	2100 Fe PPM	220 As PPM	U PPM	La PPM	Tb PPM	Sr PPM	Ca PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg PPM	400 Ba PPM	3 Ti PPM	B PPM	Al PPM	Na PPM	K PPM	W PPM
9700X 9750X	1	7	13	42	.1	4	4	256	2.38	7	5	WD	1	6	1	2	2	36	.06	.099	9	13	.15	54	.03	2	1.85	.01	.04	1
9700X 9800X	2	14	25	128	1.4	6	5	839	1.91	8	5	WD	1	24	1	2	2	27	.22	.058	27	16	.16	145	.02	3	2.58	.01	.04	1
9700X 9825X	1	5	13	53	.1	3	3	95	1.60	4	5	WD	1	5	1	2	2	28	.05	.039	7	10	.10	28	.03	2	.97	.01	.04	2
9700X 9875X	1	5	15	57	.2	5	4	141	1.65	5	5	WD	1	10	1	2	2	31	.09	.041	9	13	.17	55	.03	2	1.06	.01	.03	2
9700X 9950X	4	10	38	114	.1	9	7	3225	2.35	4	5	WD	1	63	1	2	2	33	.48	.018	48	13	.33	365	.02	2	2.14	.01	.05	1
9700X 9975X	1	3	16	63	.2	2	4	166	2.53	8	5	WD	1	9	1	2	2	39	.11	.042	9	14	.14	66	.03	2	1.35	.01	.03	2
9700X 10025X	1	2	19	96	.1	3	3	152	1.33	5	5	WD	1	23	1	2	2	24	.14	.017	12	10	.21	105	.02	2	1.16	.01	.04	1
9700X 10050X	1	6	19	189	.3	4	4	354	1.76	3	5	WD	1	37	1	2	2	29	.25	.034	19	15	.34	223	.03	7	1.35	.01	.05	1
9700X 10075X	1	7	23	172	.5	3	3	250	1.58	5	5	WD	1	25	1	2	2	27	.22	.021	15	13	.31	172	.03	2	1.18	.01	.05	1
9700X 10150X	1	7	26	176	.1	7	3	346	1.58	3	5	WD	1	30	1	2	2	27	.27	.025	14	13	.34	167	.02	2	1.51	.01	.03	1
9700X 10200X	1	4	16	104	.3	4	3	176	1.22	2	5	WD	1	19	1	2	2	23	.16	.016	11	8	.21	95	.03	2	1.03	.01	.03	1
9700X 10225X	1	7	18	160	.1	3	3	173	1.07	3	5	WD	1	28	1	2	4	20	.20	.026	12	9	.18	114	.02	3	1.15	.01	.02	1
9700X 10250X	2	3	21	127	.1	3	3	229	1.49	5	5	WD	1	22	1	2	2	26	.16	.020	11	11	.23	186	.02	2	1.21	.01	.04	1
9800X 9750X	1	4	14	68	.1	5	4	395	1.44	4	5	WD	1	19	1	2	4	28	.28	.049	15	12	.24	87	.05	2	.73	.01	.03	1
9800X 9775X	1	11	23	80	.6	7	5	365	1.68	5	5	WD	1	20	1	2	2	27	.19	.026	16	11	.29	131	.03	5	1.33	.01	.06	1
9800X 9800X	1	2	15	69	.3	3	4	186	1.53	2	5	WD	2	11	1	2	4	27	.11	.013	11	8	.23	80	.04	2	1.00	.01	.04	1
9800X 9825X	1	1	13	85	.1	6	4	346	1.60	3	5	WD	1	18	1	2	2	28	.19	.017	10	9	.29	130	.03	5	1.03	.01	.02	1
9800X 9850X	2	12	47	139	.2	8	7	1510	2.48	5	5	WD	1	44	1	2	2	41	.39	.061	27	14	.38	350	.01	2	2.26	.01	.08	1
9800X 9875X	1	8	18	105	.1	5	5	303	2.01	5	5	WD	1	17	1	2	2	31	.17	.035	14	13	.35	174	.02	2	1.63	.01	.04	1
9800X 9900X	1	2	12	55	.1	1	3	97	2.17	7	5	WD	1	7	1	2	2	38	.07	.047	9	11	.08	55	.03	3	.86	.01	.02	1
9800X 9925X	2	10	22	73	.4	4	4	173	2.75	5	5	WD	1	8	1	2	2	46	.06	.073	11	19	.22	87	.03	4	1.27	.01	.04	1
9800X 9975X	2	7	20	109	.3	5	5	171	2.34	4	5	WD	1	12	1	3	2	34	.07	.079	11	13	.18	68	.02	6	1.27	.01	.05	1
9800X 10025X	5	8	26	214	.1	8	4	530	1.82	3	5	WD	1	65	1	2	2	29	.32	.026	23	15	.38	248	.02	2	1.60	.01	.04	1
9800X 10050X	6	6	23	169	.3	4	3	370	1.51	2	5	WD	1	85	1	3	3	26	.32	.032	29	11	.27	329	.01	2	1.49	.01	.03	2
9800X 10100X	4	13	42	600	.3	6	6	1045	2.05	5	5	WD	1	46	1	2	4	33	.36	.044	32	14	.36	311	.01	3	2.06	.01	.06	1
9800X 10125X	2	13	25	255	.2	9	7	754	3.36	2	5	WD	1	27	1	2	2	75	.20	.035	13	22	.16	313	.04	2	1.09	.01	.04	1
9800X 10150X	1	8	20	148	.2	1	3	712	1.31	4	5	WD	1	24	1	2	4	21	.21	.024	26	5	.12	250	.02	4	.89	.01	.06	1
9800X 10175X	1	7	18	220	.3	6	3	379	1.29	3	5	WD	1	21	1	2	2	22	.21	.016	16	9	.28	150	.02	2	1.12	.01	.05	2
9800X 10200X	2	10	47	219	.3	8	5	1697	2.08	8	5	WD	1	24	1	2	2	30	.21	.034	15	14	.35	166	.02	2	1.62	.01	.05	1
9800X 10225X	1	7	33	239	.3	4	4	1764	1.92	3	5	WD	1	17	1	2	2	30	.14	.016	14	10	.18	164	.03	2	1.22	.01	.04	1
9800X 10250X	1	9	23	117	.2	8	5	381	2.72	9	5	WD	1	9	1	4	2	47	.07	.044	12	14	.21	88	.03	5	1.34	.01	.03	1
9900X 9750X	1	12	31	92	.3	6	5	727	1.72	5	5	WD	1	21	1	2	3	25	.18	.051	22	11	.29	202	.02	4	1.52	.01	.06	1
9900X 9775X	1	5	18	64	.1	2	2	169	1.21	2	5	WD	1	13	1	2	2	21	.11	.022	13	6	.14	85	.02	4	1.00	.01	.01	1
9900X 9800X	3	18	43	224	.5	11	6	449	2.89	8	5	WD	1	49	1	3	2	44	.37	.065	27	15	.51	304	.02	4	2.37	.01	.08	1
9900X 9825X	2	13	40	173	.5	9	6	463	2.62	9	5	WD	1	15	1	2	2	37	.13	.053	15	13	.34	153	.02	2	1.94	.01	.06	1
9900X 9850X	1	14	19	89	.1	10	4	328	2.35	8	5	WD	1	14	1	2	2	35	.14	.026	14	14	.30	141	.04	2	1.46	.01	.05	1
STD C	17	58	44	132	6.5	68	28	1048	4.06	41	18	8	36	47	17	17	23	56	.46	.087	38	56	.92	172	.06	34	1.95	.06	.14	12

Soils

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	Co PPM	Ni PPM	Fe %	As PPM	V PPM	Cr PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Co %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Kl %	Na %	K %	W PPM	
Shel 1,6; mHGrd																														
9900X 9875X	2	13	20	192	.2	9	4	307	2.80	7	5	ND	2	15	1	4	3	43	.16	.043	14	16	.42	169	.02	5	1.93	.01	.05	1
9900X 9900X	1	10	11	73	.2	5	1	239	1.25	2	5	ND	2	16	1	2	5	22	.17	.018	17	11	.21	128	.02	5	.96	.01	.02	1
9900X 9925X	1	7	26	70	.1	7	2	133	2.63	5	5	ND	3	7	1	2	4	43	.07	.087	11	15	.17	64	.04	2	1.42	.01	.04	1
9900X 9950X	1	15	21	83	.1	9	3	230	2.32	4	5	ND	3	12	1	2	2	38	.14	.033	13	17	.29	138	.03	4	1.75	.01	.04	1
9900X 9975X	1	14	30	205	.5	10	4	517	2.91	4	5	ND	4	8	1	2	2	41	.10	.113	14	16	.36	121	.02	6	2.64	.01	.06	1
9900X 10025X	4	11	56	184	.5	4	2	946	2.84	2	5	ND	6	6	1	4	2	34	.05	.100	10	12	.13	82	.02	9	1.61	.01	.05	1
9900X 10050X	1	7	38	155	.2	5	3	233	2.21	2	7	ND	4	7	1	2	2	30	.06	.097	13	12	.13	75	.02	3	1.93	.01	.04	1
9900X 10075X	2	12	32	129	.2	6	4	610	2.58	7	5	ND	3	11	1	4	2	44	.11	.071	15	16	.15	217	.02	5	1.18	.01	.04	1
9900X 10100X	1	7	28	169	.3	5	2	261	1.83	2	5	ND	2	7	1	2	3	32	.08	.031	15	12	.15	106	.01	8	1.04	.01	.03	1
9900X 10125X	3	12	65	367	.4	4	5	295	3.30	11	5	ND	7	10	1	2	3	40	.09	.065	21	15	.20	139	.01	7	2.95	.01	.04	1
9900X 10150X	2	10	26	149	.5	6	4	322	2.39	4	7	ND	2	12	1	4	2	38	.13	.043	16	15	.17	143	.02	4	1.13	.01	.05	2
9900X 10175X	1	6	32	207	.1	2	3	1266	.92	2	5	ND	1	28	1	2	2	18	.24	.027	26	7	.13	231	.01	6	1.03	.01	.04	1
9900X 10200X	1	7	18	272	.2	5	3	595	1.90	2	5	ND	2	23	1	2	5	35	.29	.032	19	17	.29	207	.02	2	1.21	.01	.05	1
9900X 10225X	2	16	52	284	.5	11	7	1069	3.05	9	5	ND	1	37	1	2	2	51	.34	.067	20	23	.61	266	.02	3	2.75	.01	.08	2
9900X 10250X	1	9	19	76	.2	4	2	232	1.53	2	5	ND	2	8	1	3	5	24	.08	.025	14	9	.09	93	.02	6	.74	.01	.03	1
10000X 9750X	1	15	23	82	.5	9	5	264	2.90	6	5	ND	3	9	1	2	7	47	.10	.096	12	15	.21	62	.04	12	1.27	.01	.04	3
10000X 9775X	1	6	19	68	.1	6	3	135	2.08	6	5	ND	1	8	1	2	2	36	.07	.038	12	13	.16	83	.02	10	1.16	.01	.03	1
10000X 9800X	3	43	66	263	1.1	26	9	473	4.58	11	5	ND	1	21	1	2	2	55	.16	.095	17	25	.57	251	.02	3	4.05	.01	.07	1
10000X 9825X	5	14	27	247	.4	9	6	769	3.20	7	5	ND	1	31	1	2	2	50	.23	.056	14	18	.45	193	.02	2	2.33	.01	.07	1
10000X 9850X	4	8	39	432	.4	9	7	2383	2.14	2	5	ND	1	33	1	2	2	38	.31	.057	18	19	.43	211	.02	5	1.82	.01	.05	1
10000X 9875X	2	10	19	137	.4	7	3	193	3.52	9	5	ND	3	7	1	2	2	45	.08	.047	11	17	.21	62	.04	4	2.21	.01	.03	1
10000X 9900X	1	6	24	81	.2	7	4	264	2.73	5	5	ND	2	9	1	5	3	47	.11	.072	11	18	.22	62	.03	6	1.26	.01	.04	1
10000X 9925X	2	7	15	74	.3	7	3	189	2.21	2	5	ND	1	7	1	2	2	43	.07	.034	13	15	.16	53	.03	4	1.11	.01	.03	1
10000X 9950X	2	6	29	430	.3	12	5	407	2.23	3	5	ND	1	20	1	2	2	39	.25	.039	15	21	.48	170	.02	3	1.95	.01	.04	1
10000X 9975X	2	10	18	374	.3	9	4	346	1.81	2	5	ND	1	23	1	2	2	30	.28	.045	13	16	.45	216	.01	3	2.86	.01	.05	2
10000X 10025X	56	34	991	440	2.4	1	4	7382	5.08	22	5	ND	5	5	1	12	37	17	.06	.134	27	5	.04	172	.01	5	1.48	.01	.07	2
10000X 10100X	25	65	1529	1548	3.0	4	6	14446	3.50	23	5	ND	1	23	16	11	14	26	.23	.080	38	11	.17	352	.01	3	1.88	.01	.07	3
10000X 10150X	1	1	15	40	.1	2	1	67	.47	2	5	ND	1	8	1	2	3	11	.08	.012	11	4	.05	45	.02	3	.47	.01	.01	1
10000X 10175X	3	1	16	78	.3	4	2	122	1.62	3	5	ND	1	11	1	2	2	33	.13	.016	10	8	.13	73	.03	4	.93	.01	.04	1
10000X 10200X	2	9	29	125	.1	11	6	230	2.57	11	5	ND	4	10	1	2	2	37	.13	.048	12	16	.28	126	.04	12	2.18	.01	.05	1
10000X 10225X	3	5	16	121	.1	5	5	332	2.21	8	5	ND	1	10	1	2	2	35	.13	.041	8	14	.26	100	.02	6	1.59	.01	.04	1
10000X 10250X	1	7	23	96	.3	8	4	312	2.24	7	5	ND	2	9	1	2	2	33	.11	.052	10	14	.26	130	.03	2	1.72	.01	.03	1
10000X 9680X	1	6	20	65	.1	6	4	662	2.11	4	5	ND	1	10	1	2	3	34	.08	.018	10	14	.15	180	.03	4	1.59	.01	.02	2
10000X 9650X	2	1	20	127	.1	5	5	790	2.12	4	5	ND	1	32	1	2	2	35	.19	.032	13	14	.22	238	.03	7	1.20	.01	.04	1
10000X 9675X	2	4	24	124	.5	7	5	385	1.89	4	6	ND	1	36	1	2	2	30	.20	.025	13	15	.27	184	.03	4	1.44	.01	.03	1
STD C	17	57	42	132	6.6	68	30	1055	4.17	39	18	7	36	47	17	16	22	57	.47	.088	39	57	.92	175	.06	32	1.98	.06	.14	14

Shel 1,6

Soils

Stefford-Whitesail

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SAMPLE#	Mo	Cu	Pb	Zn	Ag	Mn	Co	Na	Fe	K	U	Au	Th	Sr	Ca	P	La	Ce	Ni	Nb	Mo	Ba	Tl	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	PPM	PPM	PPM	PPM	PPM	PPM	PPM			
10000X 9700X	6	10	29	157	.3	10	7	303	2.70	4	5	ND	2	30	1	3	2	44	.18	.023	16	16	.27	145	.04	8	1.90	.01	.05	1	Shel 1, 6 = MH-grd
10000X 9725X	1	4	4	31	.1	3	2	76	.90	2	5	ND	1	13	1	2	2	20	.08	.014	10	7	.05	53	.02	10	.47	.01	.03	1	
10000X 9750X	2	7	17	50	.1	6	4	143	2.26	5	5	ND	2	7	1	2	6	41	.06	.021	11	13	.13	79	.03	8	.92	.01	.03	2	
10000X 9775X	1	12	19	104	.3	7	6	435	3.09	8	5	ND	3	6	1	4	3	43	.07	.247	10	18	.21	51	.03	6	2.18	.01	.04	1	
10000X 9800X	2	10	20	174	.2	8	5	284	2.18	2	5	ND	1	17	1	2	4	37	.15	.032	15	15	.30	115	.02	6	1.60	.01	.04	2	
10000X 9825X	2	10	16	99	.1	8	5	316	1.63	2	5	ND	1	18	1	2	4	29	.20	.019	12	13	.30	127	.05	7	1.11	.01	.04	1	
10000X 9850X	5	12	293	390	.6	5	6	4082	2.17	3	5	ND	1	32	1	2	2	30	.28	.075	25	11	.22	543	.04	7	1.75	.01	.05	1	
10000X 9875X	1	9	22	118	.1	10	6	274	2.34	4	5	ND	1	8	.1	2	2	35	.08	.051	16	14	.24	125	.03	8	4.71	.01	.06	1	
10000X 9925X	4	17	106	302	.8	8	5	2506	3.17	3	5	ND	17	6	1	2	2	28	.07	.233	18	14	.22	125	.02	5	2.09	.01	.04	1	
10000X 9950X	1	8	14	117	.3	9	5	315	2.36	5	5	ND	2	7	1	2	6	36	.08	.057	11	13	.16	68	.04	5	2.09	.01	.04	1	
10000X 9975X	1	5	15	82	.2	4	4	218	2.12	4	5	ND	1	11	1	3	2	33	.13	.051	10	12	.13	63	.02	6	1.44	.01	.04	1	
10000X 10000X	9	16	303	374	1.3	4	3	1516	2.12	7	5	ND	2	5	1	2	2	18	.03	.105	31	7	.09	71	.01	5	2.17	.01	.03	1	Shel 10
19891	1	5	23	421	.1	5	5	270	1.95	6	5	ND	1	12	1	2	2	33	.18	.017	10	14	.31	33	.03	9	1.11	.01	.03	1	
19892	1	7	23	272	.1	6	4	207	1.92	6	5	ND	1	12	1	2	6	34	.19	.016	10	12	.31	37	.03	9	1.11	.01	.03	1	
19893	1	9	49	564	.2	6	5	307	2.65	14	5	ND	1	17	1	2	3	45	.29	.023	10	20	.42	45	.04	10	1.42	.01	.04	1	
19894	2	16	74	693	.4	6	6	940	2.62	24	5	ND	1	28	1	2	2	40	.50	.032	16	15	.25	68	.01	2	1.68	.01	.04	1	
19895	1	7	38	437	.3	6	5	284	2.20	13	5	ND	1	13	1	3	2	37	.17	.026	10	15	.34	51	.02	9	1.35	.01	.05	2	
19902	9	29	15	117	.3	1	14	53	28.07	24	5	ND	2	3	1	2	2	21	.02	.153	9	6	.05	9	.01	8	2.49	.01	.03	1	Shel 9
31601	1	15	204	347	1.2	22	8	543	3.16	3	5	ND	1	9	1	4	6	46	.11	.084	13	51	.36	126	.01	5	2.36	.01	.07	1	End Shel 6
31602	2	9	26	260	1.0	9	6	250	2.56	5	5	ND	2	7	1	2	2	33	.07	.034	12	17	.22	88	.01	5	2.63	.01	.03	1	
31603	2	5	24	177	1.5	7	4	281	3.36	6	5	ND	2	11	1	2	2	48	.10	.112	9	17	.19	84	.03	8	1.64	.01	.03	1	
31604	1	9	21	382	.2	18	6	240	2.91	8	5	ND	3	9	1	4	2	35	.10	.062	13	15	.28	91	.01	7	2.56	.01	.04	1	
31605	1	8	18	81	.3	5	4	117	1.35	4	5	ND	1	11	1	2	4	22	.12	.030	11	9	.12	48	.02	3	.86	.01	.02	1	End Shel 6
31606	2	18	46	752	.7	19	7	1290	3.03	9	5	ND	1	76	2	4	2	40	.50	.069	21	20	.55	306	.01	3	2.44	.01	.09	2	
31607	1	10	19	437	.3	7	5	813	1.83	3	5	ND	1	60	2	3	2	27	.46	.040	22	13	.30	315	.01	5	1.55	.01	.04	1	
31608	1	6	14	78	.1	3	4	291	2.05	3	5	ND	1	15	1	2	2	40	.16	.039	12	17	.12	117	.01	4	.68	.01	.04	1	
31609	2	4	28	199	.2	6	4	435	1.45	2	5	ND	1	21	1	2	2	25	.16	.028	17	11	.25	151	.01	4	1.30	.01	.03	1	
31610	1	12	33	411	1.0	13	6	455	2.27	3	5	ND	1	45	1	2	5	13	.35	.065	17	21	.51	166	.02	5	1.78	.01	.06	1	
31611	2	21	42	496	.6	12	8	1697	2.75	4	5	ND	1	24	2	2	6	37	.17	.064	19	17	.39	175	.01	10	2.37	.01	.07	1	So of Shel 1
31612	2	26	41	525	1.3	12	7	1814	2.99	4	5	ND	1	28	2	2	2	40	.19	.066	23	18	.34	211	.01	4	2.36	.01	.06	2	
31613	1	6	13	138	.1	6	4	223	2.30	2	5	ND	1	14	1	3	2	45	.14	.080	12	13	.27	79	.03	10	1.16	.01	.04	1	
31614	2	19	37	458	.9	12	6	507	2.89	6	5	ND	1	17	1	5	2	39	.13	.038	16	17	.43	137	.02	4	2.45	.01	.07	1	
31615	1	3	9	47	.1	2	2	133	1.06	2	5	ND	1	11	1	2	5	22	.10	.021	10	8	.05	53	.02	7	.46	.01	.02	1	So of Shel 1
31616	1	3	16	38	.1	2	1	104	.98	2	5	ND	1	8	1	2	6	25	.14	.043	15	11	.19	118	.02	4	1.35	.01	.03	1	
31617	1	2	21	89	.3	4	6	468	1.60	2	5	ND	1	16	1	3	6	25	.14	.043	15	11	.19	118	.02	4	1.35	.01	.03	1	
31618	1	7	22	95	.1	6	5	216	2.54	4	5	ND	1	9	1	2	6	34	.10	.097	11	13	.16	59	.03	6	2.08	.01	.02	1	
STD C	18	57	38	132	7.2	67	27	1101	4.12	38	15	7	36	47	18	16	18	56	.46	.080	38	55	.92	174	.06	30	1.95	.06	.13	11	

Soils

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ml PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Na PPM	Tl %	N PPM	Al %	K %	V PPM		
31619	1	9	27	111	.5	5	3	123	2.77	6	5	ND	1	8	1	2	2	42	.08	.106	12	13	.12	80	.04	5	2.32	.01	.05	1	SoF Shml
31620	1	5	13	44	.1	9	4	138	1.67	2	5	ND	1	8	1	2	2	32	.08	.039	13	17	.10	39	.03	3	.88	.01	.04	1	"
31621	1	9	30	97	.3	11	6	323	3.75	18	5	ND	1	8	1	2	2	56	.10	.136	10	22	.19	55	.03	2	1.42	.01	.04	2	Ston 1
31622	2	15	32	113	.6	10	7	509	4.29	22	5	ND	1	9	1	2	2	55	.11	.171	10	22	.22	74	.03	4	2.04	.01	.05	2	
31623	2	6	30	103	.1	9	6	539	2.72	9	5	ND	1	10	1	2	2	38	.08	.061	10	15	.17	61	.02	3	1.17	.01	.04	1	
31624	1	11	113	111	.1	8	5	482	2.87	11	5	ND	1	9	1	2	6	39	.12	.135	12	16	.17	65	.02	4	2.39	.01	.04	1	
31625	2	9	47	172	.9	7	5	213	2.68	7	5	ND	1	19	1	2	2	33	.16	.057	15	16	.24	127	.02	4	1.86	.01	.05	1	
31626	1	9	15	60	.1	4	4	279	.81	2	5	ND	1	37	1	2	2	16	.21	.016	17	7	.13	218	.02	2	.94	.01	.02	1	N of Shel 6
31627	1	4	8	27	.2	6	2	85	.91	2	5	ND	1	10	1	2	2	22	.09	.013	12	13	.07	63	.04	9	.57	.01	.04	2	
31628	1	9	19	112	.2	10	4	162	1.87	5	5	ND	1	24	1	2	2	27	.17	.021	12	13	.28	146	.03	3	1.47	.01	.05	1	
31629	1	7	11	64	.1	4	3	117	1.52	2	5	ND	1	32	1	2	2	29	.19	.016	12	11	.15	193	.03	5	.73	.01	.04	1	
31630	4	15	65	202	.2	10	8	1757	3.48	12	5	ND	1	70	1	3	2	59	.36	.052	19	18	.41	456	.02	3	2.57	.01	.07	1	
31631	1	13	25	130	.8	9	5	300	1.79	5	5	ND	1	31	1	2	2	26	.30	.047	19	15	.25	153	.02	2	1.25	.01	.04	1	Shel 6
31632	1	8	19	133	.3	6	5	419	2.17	5	5	ND	1	47	1	2	2	30	.44	.069	16	13	.31	171	.02	2	1.10	.01	.04	2	
31633	1	6	16	100	.4	3	3	237	1.26	2	5	ND	1	25	1	2	2	21	.22	.025	13	11	.25	166	.02	2	1.04	.01	.03	1	
31634	2	12	39	137	.5	11	6	744	2.45	9	5	ND	1	32	1	2	2	36	.28	.056	18	21	.29	175	.02	3	1.45	.01	.03	1	
31635	3	17	37	163	.5	7	5	1097	2.77	12	5	ND	1	52	1	2	2	34	.49	.097	19	16	.30	180	.02	2	1.48	.01	.05	2	
31636	2	15	30	165	.8	11	5	623	2.61	8	5	ND	1	39	1	2	2	34	.42	.057	17	17	.33	225	.02	8	1.42	.01	.06	1	Shel 6
31637	1	16	27	176	.7	13	4	347	2.15	6	5	ND	1	36	1	2	2	31	.38	.037	17	22	.30	197	.03	7	1.40	.01	.02	1	
31638	1	14	18	132	.5	10	4	386	1.86	3	5	ND	1	58	1	2	2	28	.57	.055	17	16	.34	209	.03	2	1.02	.01	.03	1	
31639	2	18	24	161	.8	6	5	685	2.07	4	5	ND	1	62	1	2	2	29	.58	.063	24	14	.33	253	.02	2	1.26	.01	.02	1	
31640	2	13	28	205	.7	7	5	838	2.39	8	5	ND	1	54	2	2	2	33	.60	.067	21	15	.31	258	.02	2	1.28	.01	.04	1	
31641	1	1	24	98	.2	5	5	506	1.31	2	5	ND	1	14	1	2	2	24	.18	.022	14	9	.21	148	.02	2	1.10	.01	.03	1	Shel 6
31642	1	2	16	65	.3	7	3	164	2.13	5	5	ND	1	10	1	4	2	40	.13	.023	12	12	.18	80	.03	2	1.04	.01	.04	1	
31643	1	4	24	104	.2	12	5	194	1.82	4	5	ND	1	15	1	3	3	34	.18	.029	13	12	.24	156	.02	3	1.26	.01	.04	1	
31644	1	1	13	88	.1	2	4	296	1.30	2	5	ND	1	14	1	2	2	24	.20	.014	13	10	.13	147	.02	3	1.06	.01	.04	1	
31645	1	1	20	126	.3	8	5	522	1.76	3	5	ND	1	14	1	2	2	28	.23	.020	12	12	.26	165	.03	2	1.28	.01	.04	1	
37994	2	15	30	105	.4	6	5	215	2.94	17	5	ND	1	11	1	2	5	35	.09	.044	13	13	.28	75	.03	2	2.17	.01	.02	1	Shel 9
37995	2	18	27	92	.5	8	4	239	2.55	15	5	ND	1	13	1	3	2	33	.10	.026	12	17	.27	90	.02	8	1.43	.01	.02	1	
37996	2	16	35	136	.5	7	4	257	3.18	15	5	ND	1	8	1	3	2	36	.07	.034	13	17	.35	65	.02	2	2.33	.01	.03	1	
37997	3	34	46	208	1.6	6	6	341	3.54	22	5	ND	1	10	1	4	7	41	.07	.057	17	18	.35	114	.02	4	3.37	.01	.04	1	
STD C	18	58	38	132	6.8	68	27	1042	4.05	40	16	8	36	47	17	16	23	56	.46	.085	39	57	.92	174	.06	33	1.97	.06	.13	12	

Soils

NORANDA EXPLORATION PROJECT-8806-069 255 FILE # 88-2633

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	V PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	Y PPM	
37999	1	13	20	105	.8	5	4	243	2.84	13	5	ND	1	9	1	2	2	36	.09	.071	10	12	.18	62	.02	6	1.75	.01	.03	1	Shel 9
38016	1	12	21	118	.6	6	3	183	3.47	13	5	ND	3	7	1	2	2	49	.07	.061	10	15	.24	61	.03	3	2.47	.01	.02	1	
38017	1	4	17	66	.4	4	2	77	.65	2	5	ND	1	9	1	2	2	15	.07	.024	11	5	.08	40	.01	2	1.14	.01	.03	2	
38018	1	7	25	93	.6	1	2	122	2.85	6	5	ND	2	8	1	2	2	38	.07	.092	9	14	.14	67	.03	3	3.23	.01	.02	3	
38019	2	20	59	139	.7	4	5	1157	3.40	8	5	ND	1	9	1	2	2	37	.07	.102	13	16	.13	90	.01	6	2.81	.01	.03	1	Stn 2
38020	1	8	20	71	.4	5	2	185	1.18	2	5	ND	1	12	1	2	2	24	.10	.013	11	8	.22	45	.04	4	.93	.01	.03	1	
38021	1	16	14	149	1.4	9	6	192	3.50	12	6	ND	3	8	1	2	2	47	.07	.080	8	18	.25	50	.03	3	3.06	.01	.04	1	
38022	2	18	24	158	1.1	7	5	201	3.89	11	5	ND	1	9	1	2	3	45	.06	.059	13	14	.21	57	.03	7	1.59	.01	.04	1	
38023	2	16	22	180	.5	6	5	201	4.20	10	5	ND	2	9	1	2	2	56	.08	.082	10	17	.21	63	.03	8	1.77	.01	.04	1	
38024	2	9	39	126	.8	5	5	189	4.18	14	5	ND	4	7	1	2	2	50	.05	.086	12	17	.21	55	.02	5	3.12	.01	.05	1	
38025	1	9	24	82	.4	3	3	153	2.19	5	5	ND	1	9	1	2	2	33	.08	.057	11	10	.17	55	.02	2	1.44	.01	.04	1	
38026	2	23	31	248	.9	10	7	393	4.40	12	5	ND	1	15	1	2	2	53	.13	.227	10	25	.39	123	.02	7	2.28	.01	.05	1	Shel 9
38027	2	25	20	172	.9	11	6	445	3.47	9	7	2	1	15	1	3	5	54	.14	.059	11	25	.39	125	.02	6	1.46	.01	.05	1	
38028	1	29	22	214	.8	14	6	289	2.52	11	5	ND	1	14	1	2	2	32	.12	.032	14	16	.43	93	.02	2	2.12	.01	.05	1	
38029	1	16	16	97	.1	5	5	234	2.72	8	5	ND	1	11	1	2	2	46	.10	.046	10	22	.23	80	.02	3	1.13	.01	.06	1	
38030	2	32	43	268	1.8	16	8	1294	4.16	16	5	ND	3	19	1	2	2	49	.15	.162	10	28	.36	194	.02	6	2.13	.01	.06	1	
38031	2	66	35	291	2.0	18	7	402	3.67	23	5	ND	1	14	1	2	2	37	.12	.059	22	20	.42	119	.02	8	3.09	.01	.06	1	Shel 9
38032	2	29	33	202	1.2	8	6	259	3.62	12	5	ND	1	18	1	2	2	48	.13	.063	16	23	.29	143	.01	4	2.00	.01	.03	1	
38033	1	29	25	115	.6	7	5	645	2.45	10	5	ND	1	11	1	2	4	38	.14	.068	8	16	.18	72	.02	6	.89	.01	.05	1	
38034	3	23	27	156	.2	9	5	262	4.85	18	5	ND	1	12	1	2	4	77	.10	.036	8	25	.26	87	.04	4	1.34	.01	.04	1	
38035	2	49	29	245	1.4	8	6	334	3.11	18	5	ND	1	15	1	2	2	35	.12	.038	22	16	.37	92	.02	2	1.79	.01	.03	1	
38036	2	21	21	117	.5	10	7	273	4.04	20	5	ND	1	10	1	2	2	55	.07	.049	10	19	.39	83	.02	3	2.40	.01	.05	1	Shel 9
38037	1	16	28	136	.6	10	5	230	3.81	19	5	ND	2	9	1	2	2	49	.09	.037	10	19	.33	71	.02	3	2.42	.01	.03	1	
38038	2	20	20	130	.7	11	7	270	4.43	20	5	ND	1	11	1	2	2	57	.09	.049	10	21	.42	93	.02	4	2.86	.01	.04	1	
38039	2	21	24	158	.7	6	6	272	3.94	19	5	ND	2	9	1	2	2	47	.07	.077	10	16	.29	74	.02	9	2.29	.01	.05	1	
38040	2	17	31	135	.4	7	7	231	4.69	28	5	ND	1	10	1	2	2	57	.07	.077	10	18	.30	64	.02	6	2.40	.01	.02	1	
38041	2	15	144	337	.8	8	5	573	3.53	48	5	ND	2	8	1	2	2	40	.08	.082	11	17	.34	68	.01	3	2.44	.01	.04	1	Shel 10
38042	2	22	110	316	1.1	8	6	466	3.44	34	5	ND	2	8	1	2	2	37	.05	.067	11	15	.30	88	.01	4	2.81	.01	.05	1	
38043	2	23	220	371	1.3	6	7	813	3.77	41	5	ND	2	7	1	2	2	37	.06	.087	12	17	.32	73	.01	5	2.61	.01	.05	1	
38044	1	13	102	246	1.2	6	5	718	2.93	23	5	ND	1	9	1	2	2	38	.08	.059	12	13	.22	73	.01	3	1.91	.01	.04	1	
38045	2	20	160	311	2.0	7	6	1232	3.09	36	5	ND	2	9	1	4	3	34	.09	.087	16	12	.30	99	.01	4	1.95	.01	.08	1	
38046	2	68	302	284	1.9	4	5	453	2.77	23	5	ND	2	7	1	2	2	34	.08	.077	15	14	.28	37	.02	6	2.87	.01	.02	1	Shel 10
38047	2	19	97	186	1.0	4	5	260	3.96	37	5	ND	1	6	1	3	2	43	.07	.129	9	16	.20	50	.02	8	2.48	.01	.02	1	
38048	1	16	63	253	.5	6	5	231	3.77	27	5	ND	1	6	1	3	2	44	.06	.058	9	18	.25	48	.02	5	2.89	.01	.02	1	
38049	2	27	183	192	3.7	3	4	191	2.88	18	5	ND	1	7	1	2	3	34	.07	.072	12	13	.17	56	.01	3	2.58	.01	.01	1	
38050	1	52	134	468	5.2	6	5	293	2.66	20	5	ND	2	8	1	2	2	33	.07	.047	17	16	.32	42	.02	3	2.64	.01	.05	1	
STD C	18	57	36	132	6.6	69	28	1048	4.14	41	14	8	36	47	17	16	19	57	.47	.085	39	57	.32	174	.06	31	2.00	.06	.14	13	

Soils

NORANDA EXPLORATION PROJECT-8806-069 255 FILE # 88-2633

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ki	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	V
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	
38051	2	17	27	76	.5	4	4	189	2.98	14	5	ND	1	6	1	2	3	44	.05	.037	11	18	.26	57	.02	4	1.89	.01	.05	1
38052	2	19	31	89	.6	7	4	222	2.37	6	5	ND	2	7	1	2	3	31	.06	.064	15	17	.29	81	.01	5	3.10	.01	.05	1
38053	1	18	27	165	.5	5	3	225	2.44	8	5	ND	2	6	1	2	2	34	.05	.022	11	18	.30	63	.02	4	2.37	.01	.05	1
38054	2	18	30	82	.8	4	4	171	4.03	17	9	ND	1	7	1	4	5	50	.05	.053	12	15	.22	56	.02	3	2.50	.01	.05	1
38055	1	7	22	64	.3	3	3	138	1.84	5	5	ND	1	7	1	2	3	27	.06	.034	12	12	.19	47	.02	2	1.73	.01	.05	1
38056	1	24	29	82	.1	5	4	237	2.98	15	5	ND	1	8	1	3	2	36	.08	.053	10	18	.27	46	.02	5	1.77	.01	.04	1
38057	1	17	17	60	.2	4	4	175	3.03	7	5	ND	1	8	1	2	4	43	.05	.036	11	15	.17	55	.03	5	1.33	.01	.04	1
38058	1	15	21	61	.4	2	4	212	3.04	8	5	ND	1	7	1	2	4	18	.05	.104	9	15	.17	49	.01	4	1.39	.01	.05	1
38059	1	25	16	73	.3	8	4	265	3.39	15	5	ND	1	8	1	2	4	44	.07	.069	10	17	.25	47	.03	6	1.88	.01	.04	1
38060	2	21	23	81	.4	5	4	203	2.69	8	5	ND	1	8	1	3	2	33	.07	.038	13	16	.27	49	.02	4	1.99	.01	.03	2
38061	1	13	24	95	.4	6	3	195	2.42	6	5	ND	1	10	1	2	3	30	.07	.053	12	14	.24	51	.02	7	2.16	.01	.04	1
38062	2	16	23	108	.5	7	3	262	2.81	8	5	ND	1	12	1	2	4	18	.09	.032	12	17	.36	64	.02	4	1.72	.01	.05	1
38063	2	13	23	95	.5	6	4	218	2.43	8	5	ND	2	11	1	2	3	32	.09	.043	14	17	.28	64	.01	7	1.62	.01	.05	1
38064	1	11	23	80	.3	7	2	163	1.80	8	5	ND	1	10	1	2	4	27	.04	.052	10	13	.18	58	.01	3	1.04	.01	.04	1
38065	1	17	23	111	.5	5	3	177	2.35	8	5	ND	1	9	1	2	5	30	.08	.041	17	15	.25	62	.02	3	1.97	.01	.05	1
38066	2	26	27	98	.2	7	6	519	2.57	13	5	ND	1	13	1	3	2	34	.12	.034	11	16	.35	72	.03	2	1.45	.01	.04	1
38067	1	20	21	99	.4	7	4	321	2.81	7	5	ND	1	14	1	2	2	39	.12	.041	11	15	.33	70	.02	2	1.51	.01	.06	1
38068	3	26	34	138	.4	6	8	1165	3.05	13	5	ND	2	13	1	2	2	38	.12	.050	12	18	.34	84	.02	8	1.77	.01	.07	2
38069	1	15	24	84	.3	4	4	181	2.52	5	5	ND	2	16	1	2	2	29	.13	.073	9	16	.23	50	.02	4	2.12	.01	.04	1
38070	2	28	24	129	.3	10	7	327	2.62	9	10	ND	2	18	1	2	4	36	.17	.033	13	19	.37	105	.03	5	1.91	.01	.07	1
38071	2	21	28	132	.7	8	6	263	3.53	15	5	ND	2	12	1	2	8	48	.09	.066	10	18	.36	89	.03	3	1.89	.01	.06	1
38072	1	20	26	110	1.0	7	5	233	2.42	5	5	ND	1	12	1	2	8	34	.08	.041	12	15	.33	101	.02	3	1.88	.01	.05	2
38073	2	18	27	128	.5	5	5	242	3.74	15	5	ND	1	11	1	2	2	46	.10	.065	11	18	.35	69	.03	7	2.10	.01	.05	1
38074	1	19	26	152	.5	9	5	275	2.63	10	5	ND	1	13	1	2	2	40	.10	.038	11	22	.44	89	.02	3	1.89	.01	.05	1
38075	3	35	38	200	1.9	12	7	398	4.80	23	14	ND	2	13	1	2	2	49	.09	.094	13	20	.50	123	.02	3	3.27	.01	.09	1
38076	1	16	28	123	.7	5	4	300	2.43	9	7	ND	3	11	1	2	2	36	.11	.063	12	14	.24	91	.02	5	1.44	.01	.06	2
38077	1	10	26	134	.3	5	5	326	2.69	11	5	ND	1	9	1	2	2	38	.10	.084	11	14	.27	68	.02	5	1.72	.01	.06	1
38078	2	15	34	125	.6	6	4	233	3.42	13	7	ND	3	10	1	2	5	46	.08	.046	11	16	.25	71	.02	3	1.97	.01	.05	2
38079	1	9	27	131	.9	6	5	257	2.63	11	9	ND	2	8	1	2	2	38	.07	.056	10	13	.26	64	.02	4	1.39	.01	.04	1
38080	2	50	71	264	2.2	5	6	325	4.17	17	5	ND	7	7	1	2	2	42	.05	.103	11	18	.30	61	.01	2	2.89	.01	.07	1
38081	1	29	87	160	1.3	8	5	220	3.73	17	5	ND	6	7	1	2	2	44	.05	.087	10	17	.28	52	.02	4	2.74	.01	.05	1
38082	1	25	81	386	2.3	12	7	276	3.88	19	5	ND	4	6	1	2	2	49	.06	.097	9	22	.32	55	.02	8	4.03	.01	.05	1
38083	1	16	49	277	4.1	8	6	223	3.15	15	5	ND	3	7	1	2	2	39	.05	.083	10	19	.26	63	.02	4	3.46	.01	.04	1
38084	1	50	322	486	1.5	9	7	529	2.98	14	5	ND	2	6	1	2	2	40	.07	.109	11	18	.26	45	.02	4	3.27	.01	.05	1
38085	1	11	45	275	.8	8	5	329	2.91	16	5	ND	2	7	1	2	2	41	.07	.090	11	17	.26	69	.03	4	2.50	.01	.03	1
38086	1	13	46	249	1.9	9	5	255	3.26	17	5	ND	3	8	1	2	2	42	.07	.100	10	17	.27	72	.02	3	2.39	.01	.04	2
STD C	17	59	42	132	6.7	67	28	1049	4.11	41	16	8	36	47	17	16	18	57	.46	.088	38	57	.92	174	.06	35	1.95	.06	.14	13

Soils

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Hg PPM	Co PPM	Mn PPM	Fe %	Al PPM	U PPM	Au PPM	Tb PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	Lu PPM	Cr PPM	Mg %	Na PPM	Ti %	B PPM	Al %	K %	N PPM	
38087	1	16	47	188	1.0	7	7	230	3.63	20	5	ND	1	11	1	2	2	49	.09	.110	11	20	.32	69	.02	4	2.52	.01	.04	1
38088	1	53	197	975	1.6	11	7	929	3.18	19	5	ND	1	9	2	2	2	41	.12	.059	18	18	.37	92	.02	4	2.39	.01	.07	1
38089	2	13	50	216	2.2	9	6	210	3.88	18	5	ND	1	8	1	2	2	54	.07	.053	10	21	.29	69	.02	8	2.95	.01	.03	1
38090	1	22	41	284	.9	8	6	356	2.73	14	5	ND	1	13	1	2	2	41	.12	.037	12	17	.38	89	.02	9	1.73	.01	.06	1
38091	2	20	44	303	3.0	10	6	248	3.95	30	5	ND	2	7	1	2	2	47	.07	.086	10	21	.31	63	.01	6	2.47	.01	.06	1
38092	2	27	52	389	2.5	10	8	327	4.10	24	5	ND	2	10	1	2	2	55	.08	.048	12	21	.33	117	.01	3	2.41	.01	.06	1
38095	1	10	25	85	.4	6	5	152	2.75	6	5	ND	2	9	1	2	2	39	.08	.345	10	13	.17	102	.03	6	2.24	.01	.04	1
38096	2	12	32	181	.2	10	5	233	3.71	10	5	ND	2	9	1	2	2	49	.09	.075	9	19	.29	93	.03	3	2.18	.01	.06	1
38097	2	27	44	193	.3	10	7	300	4.57	12	5	ND	2	7	1	2	5	64	.09	.066	11	26	.45	108	.02	2	2.84	.01	.04	2
38098	2	14	26	130	.3	7	6	256	3.70	11	5	ND	3	9	1	2	2	50	.08	.062	12	21	.31	76	.03	5	2.40	.01	.05	1
38099	3	11	28	108	.1	8	5	269	2.65	6	5	ND	1	8	1	2	5	47	.08	.025	14	20	.48	87	.02	3	2.36	.01	.07	1
38100	1	14	28	96	.1	4	5	184	3.06	6	5	ND	3	7	1	2	2	41	.07	.049	10	17	.22	53	.03	2	3.09	.01	.05	1
38126	5	11	73	128	.4	3	4	164	2.21	6	5	ND	1	9	1	2	2	23	.09	.057	28	10	.05	107	.01	3	.97	.01	.06	1
38127	4	8	190	92	1.1	1	3	125	1.42	3	5	ND	1	12	1	2	2	24	.07	.055	18	8	.10	62	.01	4	1.23	.01	.04	1
38128	2	13	100	1027	.4	5	4	752	1.92	5	5	ND	1	29	3	2	2	24	.50	.065	27	10	.13	205	.01	2	1.85	.01	.07	1
38129	2	31	50	1428	1.0	16	7	1072	3.02	7	5	ND	1	37	5	2	2	36	.71	.080	21	20	.48	228	.01	7	2.54	.01	.09	2
38130	2	18	244	151	.8	3	4	165	2.36	9	5	ND	1	10	1	2	3	36	.09	.062	18	14	.20	107	.02	4	1.50	.01	.07	1
38131	5	19	340	122	3.9	1	4	334	2.94	7	5	ND	1	13	1	2	2	32	.05	.084	29	11	.11	111	.02	6	1.22	.01	.08	1
38132	2	9	80	35	.7	1	2	56	.90	2	5	ND	2	5	1	2	2	14	.03	.043	25	7	.04	43	.01	3	.92	.01	.03	1
38133	2	17	152	254	1.7	4	5	262	3.88	7	5	ND	2	9	1	2	2	47	.07	.139	16	16	.21	86	.01	2	2.23	.01	.08	1
38134	1	7	34	50	.1	1	2	357	.72	2	5	ND	1	8	1	2	2	28	.05	.020	17	8	.10	106	.01	2	1.48	.01	.03	2
38135	6	26	302	222	2.7	7	5	425	2.61	9	5	ND	2	9	1	4	2	38	.09	.109	14	14	.33	69	.03	8	2.00	.01	.08	1
38136	2	13	58	119	.3	7	4	415	3.21	10	5	ND	2	8	1	2	2	57	.07	.059	14	24	.31	75	.04	2	1.31	.01	.04	1
38137	2	12	73	125	.5	4	6	481	3.92	9	5	ND	1	8	1	2	2	59	.10	.086	12	17	.29	72	.03	4	1.55	.01	.05	1
38138	1	12	49	84	.3	4	5	171	2.90	11	5	ND	1	8	1	3	2	55	.10	.061	12	20	.20	55	.03	5	1.02	.01	.05	1
38139	2	12	87	140	.5	7	7	235	4.31	16	5	ND	3	8	1	2	2	57	.07	.127	13	20	.25	78	.02	2	2.34	.01	.06	2
38140	2	14	53	98	.4	6	6	227	3.86	12	5	ND	1	8	1	2	5	61	.08	.092	12	20	.23	57	.03	2	1.35	.01	.04	1
38141	2	15	47	138	.3	5	6	238	3.90	13	5	ND	2	9	1	2	2	60	.11	.108	12	20	.26	72	.03	2	1.54	.01	.06	1
38142	3	12	27	221	.2	3	4	243	3.21	7	5	ND	2	14	1	2	2	45	.12	.062	11	14	.20	73	.02	7	1.44	.01	.04	1
38143	1	16	19	341	.2	6	5	671	2.40	3	5	ND	1	22	1	2	2	36	.25	.046	14	17	.28	113	.02	6	1.22	.01	.04	1
38144	1	15	23	119	.3	3	5	215	2.48	6	5	ND	1	16	1	2	4	38	.22	.029	15	16	.22	93	.04	2	1.34	.01	.04	1
38145	1	13	27	92	.1	9	5	228	2.86	4	5	ND	1	11	1	2	2	54	.15	.047	13	25	.38	114	.04	3	1.07	.01	.06	1
38201	4	37	430	118	4.0	4	8	295	9.16	19	5	ND	4	58	1	2	2	50	.05	.452	34	18	.26	354	.03	3	3.02	.01	.13	1
38202	2	16	50	145	1.0	6	6	175	3.67	9	5	ND	4	7	1	2	2	47	.05	.160	13	20	.20	51	.02	2	4.35	.01	.03	2
38203	3	26	55	73	2.5	3	4	150	4.06	13	6	ND	5	17	1	2	2	39	.09	.291	12	15	.18	74	.05	4	2.81	.01	.05	1
38204	4	27	560	103	5.3	5	6	279	5.28	12	5	ND	5	52	1	2	2	45	.07	.168	18	19	.29	141	.03	5	2.08	.01	.07	1
STD C	17	59	42	132	6.5	68	27	1051	4.12	36	15	8	36	47	17	16	18	56	.46	.087	38	57	.92	172	.06	38	1.97	.06	.14	12

Shel 10

Stn 2

Stn 2

Stn 2

Stn 2

Stn 2

Stn 3

Soils

NORANDA EXPLORATION PROJECT-8806-069 255 FILE # 88-2633

Page 9

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	
94466	2	15	.59	271	2.7	7	4	241	4.63	24	5	ND	2	9	1	5	5	51	.07	.063	11	16	.28	83	.02	5	2.22	.01	.04	1	Shel 10
94467	1	9	30	237	.8	6	4	259	3.70	15	5	ND	3	7	1	2	5	50	.07	.110	7	23	.28	48	.04	4	3.05	.01	.04	1	Shel 10
94468	1	12	32	165	.1	6	4	221	4.01	28	5	ND	2	10	1	2	2	63	.10	.062	9	19	.31	60	.03	3	1.94	.01	.05	1	
94469	1	5	17	39	.1	1	1	108	1.46	4	5	ND	4	8	1	2	2	31	.06	.013	13	8	.09	60	.02	3	.88	.01	.04	2	

Soils

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Wl	Co	Mn	Fe	As	U	Au	Tb	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Tl	B	Al	Ka	K	W	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM		
19878	4	29	42	192	.1	13	8	1303	3.47	15	5	ND	1	32	1	2	2	50	.36	.059	14	20	.45	156	.04	2	1.11	.01	.07	1	Shel 4
19879	1	35	23	436	.1	12	8	1420	3.02	9	5	ND	2	17	1	2	3	41	.34	.054	11	15	.54	53	.04	5	.98	.01	.04	1	"
19880	1	18	26	212	.1	11	8	1039	3.36	13	5	ND	1	22	1	5	3	52	.40	.055	10	20	.46	59	.05	12	.91	.02	.05	1	"
19881	2	30	25	147	.1	9	10	1567	3.48	13	5	ND	1	22	1	2	2	37	.31	.061	12	14	.41	78	.04	2	1.16	.01	.06	1	"
19882	1	26	22	104	.1	9	7	913	2.55	9	5	ND	1	13	1	2	2	29	.21	.047	9	12	.46	49	.04	6	.85	.01	.04	1	Shel 9
19884	7	23	23	270	.1	15	7	365	2.00	9	5	ND	1	27	1	2	2	35	.42	.060	14	18	.44	142	.03	3	1.42	.01	.06	1	Shel 9
19885	2	27	30	96	.1	8	7	392	3.16	11	5	ND	3	25	1	3	3	39	.26	.054	17	18	.38	107	.05	2	1.24	.01	.06	1	"
19887	4	12	23	166	.1	9	10	1682	2.40	3	5	ND	1	24	1	2	2	30	.25	.052	11	16	.50	109	.03	2	1.74	.01	.05	1	"
19889	4	95	261	13480	.1	23	9	5888	3.25	19	58	ND	2	55	34	3	2	24	.41	.081	28	10	.23	1423	.01	3	2.05	.01	.04	1	Shel 9
19886	4	86	174	2705	1.6	17	7	4482	2.52	13	5	ND	1	58	19	2	2	27	.69	.099	33	16	.34	236	.01	2	2.22	.01	.06	4	"
19915	2	25	31	389	.1	15	11	4969	3.15	12	5	ND	1	32	2	2	2	37	.38	.068	15	14	.46	155	.02	2	1.49	.01	.05	1	Shel 9
19916	2	19	34	160	.1	9	9	1697	3.22	9	5	ND	1	29	1	2	2	50	.38	.061	14	19	.42	122	.04	6	1.06	.01	.05	1	"
19917	1	17	28	124	.1	9	7	1517	2.77	11	5	ND	1	28	1	2	2	37	.29	.058	15	15	.34	123	.03	2	1.11	.01	.06	1	"
19918	2	20	25	300	.1	12	13	5647	3.01	7	5	ND	1	42	1	2	3	38	.48	.079	15	15	.39	180	.03	2	1.28	.01	.06	1	"
19919	4	10	19	807	.1	25	38	19871	4.14	10	5	ND	1	37	5	2	2	34	.33	.051	12	9	.31	432	.02	2	1.08	.01	.03	1	"
19920	6	18	29	259	.1	12	27	9590	3.86	11	5	ND	1	37	2	2	20	40	.37	.074	13	13	.32	217	.02	4	1.25	.01	.04	1	"
31381	1	12	8	105	.1	9	6	2157	2.76	7	5	ND	1	72	1	2	2	43	.79	.097	13	12	.34	164	.05	11	.77	.02	.06	1	PB?
31382	1	26	5	61	.1	7	6	4689	2.99	26	5	ND	1	91	1	2	3	8	1.88	.108	4	4	.24	322	.01	7	.39	.01	.02	1	Su 93 L/ISE
31383	1	10	8	70	.1	13	7	525	2.73	6	5	ND	1	19	1	2	6	35	.32	.056	7	14	.47	98	.02	2	.97	.01	.02	1	"
31384	1	21	27	242	.1	18	18	13941	18.99	123	5	ND	1	125	1	2	5	19	1.92	.136	7	12	.31	662	.01	4	.98	.01	.02	1	"
31385	1	21	7	124	.1	18	10	1794	4.38	21	5	ND	1	53	1	2	2	37	.91	.084	9	18	.51	247	.01	3	1.43	.01	.05	1	"
34872	2	10	41	177	.1	9	6	1900	2.54	9	5	ND	1	26	1	2	2	33	.35	.056	15	12	.34	125	.03	5	1.00	.01	.05	1	Stan 1
35389	1	26	11	74	.1	9	10	1512	4.00	9	5	ND	2	57	1	2	2	48	.77	.094	17	17	.35	312	.05	2	1.12	.02	.06	2	PB? Su?
36206	2	13	29	227	.3	11	9	5199	3.38	9	5	ND	1	74	2	2	2	36	.50	.082	22	15	.32	424	.01	3	1.89	.01	.06	1	Stan 1
36207	4	10	38	197	.1	12	15	7733	5.47	16	5	ND	1	34	1	2	2	40	.28	.075	18	14	.30	461	.01	3	1.69	.01	.05	1	NoF Shel 6
36208	3	13	20	182	.3	10	7	3239	2.60	8	5	ND	1	25	1	2	2	27	.25	.063	22	12	.28	242	.01	2	1.29	.01	.04	1	Shel 6
36209	7	8	26	239	.3	9	12	8717	5.35	12	5	ND	1	40	1	2	3	34	.27	.085	24	13	.23	372	.01	3	1.49	.01	.03	1	"
36210	4	6	26	171	.5	10	8	2552	2.91	9	5	ND	1	30	1	2	2	35	.21	.054	23	17	.25	224	.02	2	1.72	.01	.03	1	"
36211	4	8	18	620	.1	10	37	53095	14.91	39	39	ND	3	76	5	2	5	25	.32	.041	31	4	.11	2920	.01	3	.92	.01	.04	1	"
36212	1	18	27	260	.3	11	6	921	2.05	8	5	ND	1	27	1	2	3	30	.34	.051	16	12	.46	189	.02	2	1.23	.01	.02	1	Hills 2
36213	2	17	33	231	.2	13	7	1229	2.63	11	5	ND	1	32	1	2	2	35	.37	.053	16	14	.50	122	.03	2	1.24	.01	.04	1	"
36214	1	14	25	188	.1	12	6	793	2.58	7	5	ND	1	22	1	2	2	36	.30	.045	12	14	.51	76	.03	2	1.01	.01	.03	1	"
36215	2	23	30	374	.3	11	7	1482	2.53	10	5	ND	1	26	1	2	3	32	.35	.047	16	14	.44	123	.02	6	1.32	.01	.05	1	"
36216	2	18	34	330	.2	12	7	1804	2.65	14	5	ND	1	27	1	2	2	33	.28	.042	13	12	.46	125	.02	5	1.18	.01	.03	1	Shel 9
36217	3	31	28	290	.3	13	11	2507	3.04	8	5	ND	1	50	1	2	2	36	.50	.076	20	15	.46	174	.02	4	1.47	.01	.05	1	Hills 2
36218	2	30	31	239	.2	13	9	1537	2.80	10	5	ND	1	40	1	2	2	37	.45	.061	18	14	.44	147	.02	3	1.31	.01	.04	1	"
STD C	18	57	42	132	6.5	67	27	1053	4.15	39	17	8	36	47	18	16	23	57	.47	.089	39	57	.93	175	.06	33	1.96	.06	.14	12	"

Silts

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	Tl	B	Al	Mn	K	V	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	%	%	PPM
36219	2	16	31	459	.5	10	13	4392	3.38	12	5	ND	1	46	2	2	2	35	.51	.073	24	12	.39	227	.01	2	1.45	.01	.05	1	Hills 2
36220	1	16	29	482	.5	11	12	3050	3.65	19	5	ND	1	41	1	2	2	39	.44	.078	23	14	.45	185	.02	2	1.50	.01	.05	1	"
36221	1	11	25	370	.4	13	9	2018	3.32	16	5	ND	1	30	1	2	2	37	.38	.063	16	13	.48	130	.02	2	1.26	.01	.04	1	S of Hills 2
38000	9	47	88	682	3.3	9	9	4216	2.44	12	5	ND	1	44	12	2	2	29	.54	.179	40	12	.25	220	.01	7	2.45	.01	.04	1	Shel 9
38010	11	12	43	485	.8	10	19	13557	4.24	12	5	ND	1	85	3	2	2	33	1.02	.147	23	12	.35	515	.01	8	2.22	.01	.07	1	Shel 2
38012	2	7	16	137	.6	6	4	476	1.97	2	5	ND	1	31	1	3	2	27	.50	.093	16	14	.30	166	.01	2	1.93	.01	.06	1	"
38013	28	15	49	800	.3	15	43	25578	9.52	45	5	ND	2	34	9	2	2	57	.36	.110	24	12	.34	700	.02	8	2.17	.01	.06	1	"
38015	3	14	17	223	.1	8	6	635	.91	3	5	ND	1	31	2	2	4	16	.38	.084	12	10	.13	111	.01	7	1.03	.01	.02	1	"
38093	2	9	36	227	1.1	11	6	1224	2.33	6	5	ND	1	47	1	2	2	31	.40	.129	14	18	.39	328	.01	2	2.91	.01	.09	1	Shel 2
38116	2	6	28	154	.2	9	6	1533	2.43	5	5	ND	1	20	1	4	2	33	.30	.053	13	10	.37	100	.03	2	.95	.01	.05	1	Shel 2
38216	4	7	35	418	.2	12	18	13088	3.97	11	5	ND	1	43	3	2	8	42	.33	.089	14	14	.28	392	.01	4	2.24	.01	.05	1	ask Carey
38941	3	109	37	434	.4	21	14	5793	2.67	12	5	ND	1	43	4	2	2	31	.55	.075	16	12	.29	232	.01	2	1.55	.01	.06	1	Shel 9
38942	2	23	29	251	.6	10	7	1423	2.14	7	5	ND	1	40	1	2	2	30	.44	.071	21	14	.38	188	.02	3	1.72	.01	.07	1	"
38943	2	24	29	237	1.0	7	5	798	2.20	8	5	ND	1	37	1	2	2	31	.37	.066	26	15	.37	219	.01	2	2.07	.01	.06	1	"
94470	1	30	25	373	.3	12	8	1188	2.85	10	5	ND	2	21	1	2	4	39	.33	.054	10	15	.51	69	.04	3	.95	.01	.06	1	Shel 10
STD C	18	62	44	132	6.5	67	27	1055	4.10	40	17	8	36	47	18	18	20	56	.47	.089	39	55	.92	176	.06	34	1.94	.06	.13	12	

Silts.

Sheffield Hill (GC)

8807-015

ACME ANALYTICAL LABORATORIES LTD.

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

PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

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

DATE RECEIVED: JUN 30 1988 DATE REPORT MAILED: July 7/88 ASSAYER: C. Leong D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT-8807-015 255 File # 88-2380

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 various units (PPM, %). Rows include sample numbers 36174, 36175, 36176, 36227, 36228, 36229, 36230, 36231, 38147, 38148, 38149, 38150. Includes handwritten notes like 'Shel 10', 'Shel 4', 'W of Shel 5', 'Shel 10'.

Rocks n=12

RECEIVED JUL 12 1988

sent to LSC

Copy to Del

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: SHELFORD HILLS

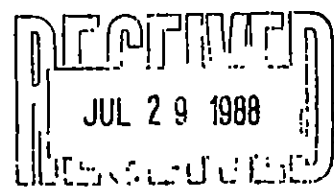
CODE : 8807-015

Project No. : 255 Sheet: 1 of 4 Date rec'd: JUN 29
Material : 171 SOILS Geol.: G.C. Date compl: JUL 25
Remarks : & 1 SILT

Values in PPM, except where noted.

Table with columns: T. T. No., SAMPLE No., PPB Au. Rows 1-48 listing sample numbers and corresponding Au values (e.g., 10, 20, 10). Includes handwritten notes like 'shel 10 grid' and 'S&S 30 ICP to follow'.

S&S 30 ICP to follow



Copy to Del

Followup "83 XAS 6352" anomaly
Followup "83 XAS XQS 1077" anomaly

T. T. No.	SAMPLE No.		PPB Au	
49	19935	shel 4	10	Followup "83 XQS 1077" anomaly
50	19936	shel 4	10	Followup "83 XQS 1076" anomaly
51	19937		10	
52	19938		10	
53	19939		10	
54	19940		10	
55	19941	shel 4	10	Followup "83 XQS 1075" anomaly
56	19942		10	
57	19943		10	
58	19944		10	
59	19945		10	
60	19946	shel 10	10	Followup "83 XLS 1300" anomaly
61	19947		10	
62	19948		10	
63	19949		10	
64	19950		10	
65	30926	shel 5	10	Followup "83 XLS 1113"
66	30927		10	
67	30928		10	
68	30929		10	
69	30930		10	
70	30931		10	
71	30932	shel 5	10	Followup "83 XAS 5976"
72	30933		10	
73	30934		10	
74	30935		10	
75	30936	shel 5	10	Followup "83 XQS 713"
76	30937		10	
77	30938		10	
78	30939		10	
79	30940		10	
80	30941	shel 5	10	Followup "83 XGS 5339"
81	30942		100	
82	30943		10	
83	30944		10	
84	30945		20	
85	30946	shel 5	10	Followup "83 XLS 1048"
86	30947		10	
87	30948		10	
88	30949		10	
89	30950		10	
90	30951	shel 5	10	Followup "83 XLS 1091"
91	30952		10	
92	30953		10	
93	30954		10	
94	30955		10	
95	30956	shel 5	50	Followup "83 XLS 1117"
96	30957		10	
97	30958		40	
98	30959		10	
99	30960		10	
100	30961	shel 5	10	Followup "83 XAS 6041"
101	30962		10	
102	30963		10	
103	30964		10	
104	30965		10	
105	30966	shel 5	10	Followup "83 XQS 835"

T. T. No.	SAMPLE No.		PPB Au	8807-015 Pg. 3 of 4
106	30967	shel 5	10	followup " 83 XQS 835 "
107	30968		10	
108	30969		10	
109	30970		10	
110	30971	shel 5	10	followup " 83 XQS 836 "
111	30972		10	
112	30973		10	
113	30974		10	
114	30975		500	
115	30976	w of shel 5	10	attempt Followup of Zn-Ag soil anomaly on Ford 50
116	30977		10	
117	30978		10	
118	30979		10	
119	30980		10	
120	38101	shel 10	10	followup " 83 XLS 1297 "
121	38103		10	
122	38104		10	
123	38105		10	
124	38106	shel 10	10	followup " 83 XLS 1296 "
125	38109		10	
126	38110		10	
127	38111	shel 10	10	followup " 83 XLS 1298 "
128	38112		10	
129	38113		10	
130	38114		10	
131	38115		10	
132	38116	shel 10	10	followup " 83 XLS 1287 "
133	38117		10	
134	38118		10	
135	38119		10	
136	38120		10	
137	38121	shel 10	10	followup " 83 XLS 1286 "
138	38122		10	
139	38123		10	
140	38124		10	
141	38125		10	
142	38901	shel 10	10	followup " 83 XAS 6364 "
143	38902		10	
144	38903		10	
145	38904		10	
146	38905		10	
147	38906	shel 4	10	followup " 83 XLS 1264 "
148	38907		10	
149	38908		10	
150	38909		10	
151	38910		10	
152	38911	shel 5	10	followup " 83 XAS 6237 "
153	38912		10	
154	38913		10	
155	38914		10	
156	38915		10	
157	38916	shel 4	10	followup " 83 XAS 6248 "
158	38917		10	
159	38918		10	
160	38919		10	
161	38920		10	
162	38921	shel 4	10	attempt followup 1970 kenco Ford 53 soil anomaly

T. T. No.	SAMPLE No.		PPB AU		8807-015 Pg. 4 of 4
163	38922	Shel 4	10	attempt followup	Kenco 1970 Ford 53 soil anomaly
164	38923		10		
165	38924		10		
166	38925		10		
167	38952	Shel 9	10	attempt followup	Kenco 1970 Ford 6 soil anomaly
168	38953		10		
169	38954		10		
170	38955		10		
171	SDIL 38956		10		
172	SILT 38094	Shel 2	10		

NORANDA EXPLORATION PROJECT 8807-015 255 FILE # 88-2869

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sc	Cd	Sb	Bi	V	Ca	P	La	Ce	Mg	Ba	Tl	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	%	PPM	%	%	%	PPM
38904	2	13	214	830	1.0	8	5	2579	3.79	679	5	ND	3	12	3	2	2	40	.09	.075	14	17	.26	98	.02	5	3.00	.01	.09	2
38905	4	28	339	800	4.7	7	6	8715	4.07	222	5	ND	4	9	6	2	2	44	.06	.091	12	20	.24	105	.02	2	4.04	.01	.07	2
38906	1	18	18	53	.7	2	1	121	1.64	2	5	ND	1	11	1	2	2	25	.11	.027	29	7	.09	74	.01	5	.96	.01	.04	1
38907	2	16	29	53	.5	2	2	139	4.57	12	5	ND	4	6	1	2	5	45	.05	.057	19	11	.13	49	.02	2	2.07	.01	.05	1
38908	1	18	16	51	.5	4	2	172	2.16	2	5	ND	2	9	1	2	4	34	.18	.020	29	10	.17	59	.02	10	.92	.01	.05	1
38909	1	9	17	71	.7	5	3	233	3.35	9	5	ND	2	8	1	2	2	55	.06	.040	14	15	.15	38	.04	4	1.17	.01	.04	1
38910	1	8	17	55	.5	3	2	121	3.03	16	5	ND	2	7	1	2	2	61	.07	.020	12	12	.11	38	.03	2	1.69	.01	.04	1
38911	2	7	38	217	.5	7	4	252	2.64	20	5	ND	4	8	1	2	2	39	.10	.032	11	14	.29	68	.04	9	1.77	.01	.04	1
38912	4	8	219	377	.4	3	3	312	3.18	25	5	ND	4	7	1	2	2	34	.07	.059	23	10	.14	52	.01	6	2.26	.02	.04	1
38913	1	7	39	175	.6	4	4	404	2.89	12	5	ND	2	8	1	2	3	42	.09	.054	12	13	.16	65	.02	5	1.90	.01	.04	1
38914	2	8	61	389	.3	7	4	271	2.94	15	5	ND	4	9	1	2	2	39	.10	.099	15	13	.33	107	.03	5	2.33	.01	.03	1
38915	2	9	38	189	.5	5	3	217	3.63	24	5	ND	4	7	1	2	2	50	.04	.084	11	15	.24	56	.03	2	2.55	.01	.05	1
38916	1	8	33	99	.1	6	3	177	2.64	16	5	ND	1	7	1	2	2	41	.10	.085	8	16	.21	54	.03	3	2.28	.03	.04	1
38917	1	6	14	82	.2	7	1	161	1.59	11	5	ND	1	14	1	2	2	32	.18	.027	9	12	.26	65	.03	2	1.47	.01	.03	1
38918	1	11	28	134	.3	9	5	280	3.27	12	5	ND	2	8	1	2	2	51	.09	.120	8	19	.27	58	.03	2	3.00	.01	.05	1
38919	2	9	31	135	.4	6	3	272	3.66	18	5	ND	1	7	1	2	3	53	.08	.108	9	16	.21	45	.04	2	2.61	.02	.03	1
38920	1	7	27	170	.5	7	4	199	2.45	6	5	ND	1	13	1	2	2	40	.14	.060	11	16	.26	108	.03	6	2.47	.01	.04	1
38921	2	10	31	164	.4	7	4	283	3.58	20	5	ND	2	12	1	2	2	51	.08	.124	10	20	.24	56	.03	4	3.46	.01	.05	1
38922	2	10	35	225	.8	8	5	269	3.78	23	5	ND	3	8	1	2	2	55	.11	.134	10	20	.33	75	.02	5	2.52	.01	.06	1
38923	1	8	27	190	.5	5	3	346	2.82	15	5	ND	3	10	1	2	2	41	.11	.124	14	13	.22	57	.04	6	1.46	.01	.06	1
38924	2	8	28	162	.4	6	3	190	3.80	25	5	ND	2	7	1	2	3	54	.08	.089	10	17	.25	54	.02	2	2.44	.02	.04	1
38925	2	12	36	220	.4	8	5	230	4.75	35	5	ND	1	7	1	2	4	66	.08	.135	11	20	.37	76	.03	2	2.21	.02	.08	1
38952	2	15	261	124	1.8	4	3	213	4.81	31	8	ND	3	6	1	4	2	49	.06	.077	9	18	.17	43	.02	3	3.81	.01	.05	1
38953	2	15	251	85	2.3	3	2	171	3.94	29	5	ND	1	8	1	2	3	66	.06	.059	11	14	.14	36	.03	2	1.79	.01	.05	1
38954	2	25	267	139	2.8	5	3	175	4.64	22	6	ND	3	7	1	8	2	55	.05	.069	9	17	.20	49	.02	4	3.30	.01	.06	1
38955	2	18	159	112	.9	5	3	213	5.07	23	5	ND	2	8	1	2	3	74	.07	.067	10	17	.21	49	.03	2	2.79	.01	.06	1
38956	2	11	71	130	.9	8	3	201	4.24	21	5	ND	1	8	1	2	3	60	.07	.062	11	19	.22	44	.03	2	1.81	.01	.04	1
Silt 38094	4	8	18	200	.3	8	8	3214	2.84	12	5	ND	2	26	1	2	2	38	.32	.052	13	11	.38	144	.04	8	1.70	.01	.06	1
STD C	17	57	34	132	6.8	67	29	1061	4.06	41	21	7	36	47	18	17	18	56	.49	.090	37	56	.92	175	.06	38	1.96	.06	.14	12

Shel 10
"A 6364"

Shel 4

Shel 5
"A 6237"

Shel 4

Shel 4

Shel 9
"Ford 6"

Stran 2

Soil, silt

APPENDIX 4. LIST OF PERSONNEL

Name, City	Position	Dates worked on claims
-----	-----	-----
Rob Baerg Prince George	Proj. Geologist	24-29 May 87
Lyle Carty Prince George	Assistant	11-12 Nov 87
Geof Chinn Montreal, Que.	Geologist	10-25 June 88
William Donaldson Ottawa, Ont.	Geologist	10-25 June 88
Bill Elasoff Grand Forks	Assistant	24-29 May 87
Carey Galeschuk Saskatoon, Sask.	Geologist	10-21 June 88
Richard Harders Prince George	Assistant	10-25 June 88
Bill Hermakin Prince George	Assistant	24-29 May 87
Paul Huel Hazelton, B.C.	Prospector	12-14 Sept 87
Lyle Koehmstedt Prince George	Assistant	24-29 May 87
Grant Malensek Vancouver	Geologist	11-12 Nov 87
Del Myers Prince George	Proj. Geologist	24-29 May 87 12-14 Sept 87 11-12 Nov 87 10-21 June 88
Fraser Stewart Edmonton, Alb.	Assistant	10-25 June 88
	Total	----- 130 man-days

APPENDIX 5. SAMPLE REPORTS

1987 Samples

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Stan 3 claim

N.T.S. 93 E / 15E

DATE 11 Nov. 87

ROCK SAMPLE REPORT

PROJECT 240

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	G	G	G	G	G	G	SAMPLED BY
					A	A	A	A	A	A	A	
					Au ppb	Ag ppm		Pb	Zn			
19869	Stan 3	GCI 1594	silt		1							GM
19870	Stan 3	do	silt		2			37	517			
19871	Stan 3	do	silt		1	2.6						
19872	Stan 3	do	silt		3							
19873	Stan 3	do	silt		2							
19874	S of Stan 3	do	silt		1							
19875	gray, siliceous volcanic w. minor py float Stan 3	2%	rock	grab	8							
								dm	22	April	88	

NORANDA EXPLORATION COMPANY, LIMITED

N of Sta 1

PROPERTY Shelford Hills - CP 113 Road

N.T.S. 93 E/15 E

DATE 12 Sept 1987

ROCK SAMPLE REPORT

PROJECT 240

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	SAMPLED BY
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	distances measured from junction of CP 113 Road with Morice - Mica River Forest Service Rd.												
	N of Sta 1 claim												
26816	gray, siliceous feldspar porphyry rhyolite, rusty fractures, c/c 2.95 km up CP 113 Rd	-	rock	grat	2								dm, PH
26817	float, quartz veined rock above, veiners several mm wide 2.95 km up CP 113 Rd	-	rock	grat	1								PH
26818	float?, chlorite, fine grained feldspar - pyroxene porphyry 2.95 km up CP 113 Rd	-	rock	grat	1								dm
26819	o/c at 4.35 km up CP 113 Rd bedded? rhyolite, v. fr. gr., tan with Mn stained spots	-	rock	grat	2								dm, PH

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY 240. Shelford Hills - S of Hills 2

N.T.S. 93E/15E

DATE 27 May 87

ROCK SAMPLE REPORT

PROJECT 240

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					ppb		ppm						ppm				
76088	S of Hills 2 GCI 1574		silt			3											dm
76089	pyritic, at or near 76075, S of Hills 2 SE corner GCI 1574		rock	grab		8		136						314			LK

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills Stn 1 and W

N.T.S. 93 E / 15 E
 DATE 13 Sept 1987
 PROJECT 240

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au	ppb	Ag	ppm	Cu	Pb	Zn	Mo	As				
78076	silt 1699m of traverse, rip in dirt Stn 1 GCI 1405	-	silt	-	1											dm	
78077	float, 15 cm φ cobble, 5% clastic pyrite in siliceous volcanic 1850m of traverse Stn 1	5	rock	grab	2			115						153		11	
78078	float, 12 cm φ fragment, rusty rhyolitic fragment with some chlorite and 3% pyrite as vesicles 1969m of traverse Stn 1	3	rock	grab	310	5.0	363	105	4313							11	
78079	float, 30 cm φ fragment, 3% fine granite disseminated pyrite in felsic volcanic / intrusive W of Stn 1 2067m of traverse	3	rock	grab	1				136							11	
78080	silt 2222m of traverse W of Stn 1 GCI 1405	-	silt	-	1											11	

dm 15 Sept 87

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills Shel 10

N.T.S. 93 E/15E

DATE 14 Sept. 87

ROCK SAMPLE REPORT

PROJECT 240.

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G <input type="checkbox"/> A <input type="checkbox"/>		G <input type="checkbox"/> A <input type="checkbox"/>		G <input type="checkbox"/> A <input type="checkbox"/>		G <input type="checkbox"/> A <input type="checkbox"/>		SAMPLED BY
					Au ppb		Pb ppm	Zn					
78081	silt, shel 9/shel 10 Ba=391 ppm GCI 1406		silt	1			115	2567					dm
78082	silt, Shel 10 GCI 1406		silt	1									"

dm 19 April 88

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills Stan 3 and north, Stan 4

N.T.S. 93 E / 15E

DATE 11 Nov. 87

ROCK SAMPLE REPORT

PROJECT 240

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					ppb	ppm		Pb ppm							
78137	Stan 3 0.9m diameter boulder, felsic rock		rock	grab	46	2.4			265						Jmm
78138	Intermediate feldspar porphyry, common as float here, Stan 3		rock	"											
78139	Stan 3 GCI 1594		silt		1				27						
78140	Stan 3 GCI 1594		silt		2				41						
78141	Stan 3		rock												
78142	Stan 3		rock												
78143	Stan 3		rock												
78144	N of Stan 3 GCI 1594		silt		3										
78145	N of Stan 3 GCI 1594		silt		1										
78146	rusty, felsic volcanic from road grade (float) NE Stan 4		rock	grab	1				39						
										Jmm	22	April	88		

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills

E of Star 3

N.T.S. 93 E 1 SE

DATE 11 Nov. 87

ROCK SAMPLE REPORT

PROJECT 240

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	SAMPLED BY
					Au	Pb	Zn						
092014	gray, siliceous volcanic (dacite/rhyolite) w. minor py, float E of Star 3	2%	rock	grab	2		164						GM
092015	E of Star 3 GCI 1594		silt		2			258					"
092016	E of Star 3 GCI 1594		silt		1								"

G = GEOCHEM A = ASSAY

Jan 22 April 88

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford hills - west of Stn 1 claim

N.T.S. 93E 15E

DATE Sept 13/87

ROCK SAMPLE REPORT

PROJECT 290

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb	Ag ppm	Cu	Pb	Zn						
092603	WASIM ALT Rock, pyrrhotite, float	3	rock float	grab	32										PA
092609	" Lapilli tuff, pyrite float	2-3	rock float	grab	1										"
092605	" Lapilli tuff, pyrite outcrop	<1	rock float	grab	1										"
092606	" Rhy/DAK, pyrite dike	1	rock float	grab	2										"
092607	" side creek, Wolfston, Ba = 424 ppm GCI 1404		SILT		1										"
092608	" main creek GCI 1404		SILT		1										"
092609	" Tuff, pyrite float	3-5	rock float	grab	1				112						"
092610	" Altered Rock, pyrite float	<1	rock float	grab	1										"

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills Shel 5, 10

N.T.S. 93 E/15E

DATE 14 Sept. 87

PROJECT 240.

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb			Pb ppm	Zn				
92611	silt, Shelford Creek (the real), S of Shel 10 GCI 1406	-	silt	-	1						408		PH
92612	silt, Shel 5 E boundary GCI 1406	-	silt	-	1				41		781		PH

dm 19 April 88

G = GEOCHEM A = ASSAY

1988 Samples

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - N of Stan 1 & 3

N.T.S. 93 E 15 E

DATE 12 June 88

ROCK SAMPLE REPORT 8806-055

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					g	g	g	g	g	g	g	g	Au ppt		
	Sample @ 100m intervals around perimeter of western most clearcut on E. Gates Rd. starting where haul road enters clearcut and going to S														
12-0			soil	-	10										R. Harders
12-100			"		10										
200			"		10										
300			"		10										
400			"		10										
500			"		10										
600			"		10										
700			"		10										
800			"		10										
900			"		10										
12-1000			"		10										
1100			"		10										
1200			"		10										
1300			"		10										
1400			"		10										
1500			"		10										
12-1600			"		10										

dm 22 July 88

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - N of Stan 1 & 3

N.T.S. 93 E 15E

DATE 12 June 1988

ROCK SAMPLE REPORT

8806-055

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					As	ppb			Pb	ppm							
	on perimeter of westernmost clearcut (cont.)																
12-1700			soil	-	10											R Handers	
1800			"		10												
1900			"		10												
12-2000			"		10												
2100			"		10												
2200			"		10				68								
2300			"		10												
2400			"		10												
2500			"		10												
2600			"		10												
2700			"		10												
2800			"		10												
2900			"		10												
12-3000			"		10												
3100			"		10												
3200			"		10												
3300			"		10												
3400			"		10												
3500			"		10												
3600			"		10												
12-3700			"		10												
									Jan	22	July	88					

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD ~~WHITE SATE~~ HILLS - Shel 9 claim

N.T.S. 93E/15E

DATE JUNE 18/88

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	G	G	G	G	G	Zn ppm	SAMPLED BY
					A	A	A	A	A	A		
					Au ppb							
19883	350m N of QS 1303, rhyodolite Shel 9	1-2	Rock	Grab	3							Carry Gutsche lusk
19884	355 from L1439	-	silt	"	10					270		"
19885	At station L1428	-	silt	"	10							"
19886	20m east of L51428, dacite schist Shel 9	trace	Rock	"	1							"
19887	52m from L1424 Mn=1682 Shel 9		silt	"	10							"
19888	212m, 242° from L1475, calcitic tuff Shel 9	trace	Rock	"	1							"

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shel/Sand Hills Shel 9, 10
 ROCK SAMPLE REPORT

N.T.S. 93E/15E
 DATE June 18, 1997
 PROJECT 255

SAMPLE NO.	* LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn				
19889	77m on 152° + 20 meters east. Shel 9 Green rhyolite with a trace of pyrite	Trace	rock		2								C. Galeschuk
19890	435m on 152° from composite Shel 9 mn=58989 Ba=1423		Silt		10		95	261	13480				"
19891	@ station 27N+1550E 83KAS6452		Soil		10				421				"
19892	10m N Shel 10		"		10				272				"
19893	10m W		"		10			49	564				"
19894	10m S		"		10			74	693				"
19895	10m E		"		10				437				"
19896	40m due north of claim post Shel 9 35, 1w mn=4482		Silt		10	1.6		174	2786				"
36169	513m upstream from sample # 14380. light grey V^{1/2} chylite		rock										B. G. M.
36170	600m upstream from sample # 14396. white rhyolite with weathered out pyrite		rock										"
36171	Same as previous location (complement)		rock										"

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD - WHITE SAIL (~~Claim~~ ^{Stan 3} STAN 1+2+3)

N.T.S. 93E/15E

DATE JUNE 20/88

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY	
					ppb											
19897	25m N of XGS-711(38206) soil anomaly, STAN 3	3-4	Rock	Grab	1											Corey Galewick
19898	-grey rhyolite, slightly gossamed, micritic in vugs and vesicles															
19898	25m NE of XGS-711, STAN 3 Claim		rock	grab	1											"
	-very light weight, bleached altered rhyolite	1-2	"	"												
	-highly gossamed, disseminated pyrite															
19899	30m NNW of XGS-712, STAN 3 Claim	trace	rock	grab	1											"
	-rhyolitic tuff (lapilli?)															
	-1m wide swit, contact 100°/42°SE															
	-slightly gossamed															
19900	45m NNW of XGS-712, STAN 3 Claim	-	rock	grab	1											"
	-dacite															
	Sr = 249 ppm, Mg = 2.0% Ca = 1.88%															
	Ni = 57 ppm Fe = 4.93% P = .14%															

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shel 9 claim Shelford Hills

N.T.S. 93 E/15E

DATE 18 June 1988

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb		Cu ppm		Zn ppm		Ag ppm		
✓ 19908	185m W of camp + 25m S, outcrop												
	rhyolite tuff, dissem. pyrite	1%	rock	grab	4		150		377		100		dm
✓ 19909	200m W of camp + 10m S, outcrop												
	dacite tuff, green, dissem. pyrite	2	rock	grab	3				2103				"
19910	285m W of camp, outcrop												
	dacite to rhyolite tuff, green, dissem. pyrite	5	rock	grab	1								GC
✓ 19911	720m W of camp + 10m downstream, outcrop W												
	light gray rhyolite, dissem pyrite	1	rock	grab	4		157		367				dm
19912	720m W of camp + 30m downstream, outcrop W												
	tan/gray, rhyolite, dissem pyrite	1-2	rock	grab	6		216		2357				GC
✓ 19913	720m W of camp + 63m downstream, outcrop W												
	dacite to rhyolite lapilli tuff, greenish, dissem. py	1	rock	grab	1		155						dm
✓ 19914	720m W of camp + 81m downstream, outcrop in creek												
	green dacitic / andesitic dike, dissem. py	1	rock	grab	1		174						GC
✓ 19915	720m W of camp + 83m upstream,												
	tributary from east Mn=9469	-	silt	-	10				389				dm
✓ 19916	720m W of camp + 90m upstream, Mn=1697 main creek	-	silt	-	10								"
✓ 19917	720m W of camp + 570m upstream, Mn=1517												
	tributary from west	-	silt	-	40								dm
✓ 19918	720m W of camp + 575m upstream, Mn=5647 main creek	-	silt	-	10				200				GC
✓ 19919	720m W of camp + 960m upstream												
	tributary from N; Ba=432, Mn=1997	-	silt	-	10				807				dm
✓ 19920	720m W of camp + 960m upstream, main creek, from W												
	Ri=20 Mn=9590	-	silt	-	10				259				GC

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY E. ShelFord Hills Shel 9 and N

N.T.S. 93 E/15E

DATE 18 June 1988

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY	
					□	□	□	□	□	□	□	□	□	□	□	□		
19921	1181m @ 18° from silt 19919, outcrop dacitic to rhyolitic lapilli tuff, N of Shel 9		rock	grab	1													dm, GC
19922	top of hill to NE of 19921, outcrop monzonite; plagioclase - amphibole - K spar - lessor chlorite and epidote N of Shel 9	-	rock	grab	1													dm, GC
19923	monzonite / granodiorite, more chloritic than 19922, also biotite N of Shel 9	-	rock	grab	1													dm, GC
19924	monzonite / granodiorite, chlorite and after hornblende, Kspar → rusty weathered grains N of Shel 9	-	rock	grab	1													dm, GC
19925	dacite lapilli tuff, dissen py just north of crest of hill N of camp on Shel 9 claim Shel 9	1	rock	grab	2													dm, GC

dm 18 June 88

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shel-Ford Hills Shel 4

N.T.S. 43E/15E

DATE June 23rd 1988

ROCK SAMPLE REPORT

8807-015

PROJECT #255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					□	□	□	□	□	□	□	□	□	□	
19926	83 XAS 6352 anomaly, Shel 4		S ₂ /			10									F. Stewart
19927	10mN		"			10									"
19928	10mW		"			10									"
19929	10mS		"			10									"
19930	10mF		"			10									"
19931	83 XQS 1077 Shel 4		"			10									"
19932	10mN		"			10									"
19933	10mW		"			10									"
19934	10mS		"			10									"
19935	10mF		"			10									"
19936	83 XQS 1076 Shel 4		"			10									"
19937	10mN		"			10									"
19938	10mW		"			10									"
19939	10mS		"			10									"
19940	10mF		"			10									"
19941	83 XQS 1075 Shel 4		"			10									"
19942	10mN		"			10									"
19943	10mW		"			10									"
19944	10mS		"			10									"
19945	10mF		"			10									"
19946	XLS 1700		 												
19947	10mN		 												
19948	10mW		 												

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Shel 10

N.T.S. 93 E/15E

DATE 23 June 1988

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb	Ag ppm	Pb ppm	Zn ppm							
	Followup Conamax soil anomaly " 83 XLS 1300 "														
✓ 19946	Shel 10 Mn 2136, La 52, Al 4.2 @ anomaly		soil		10	2.3		115	832						F Stewart
19947	Mn 1236 10mN		"		10				283						"
19948	10mW		"		10										"
19949	Mn 2053 Al 3.4 10mS		"		10		100	637							"
✓ 19950	10mE		"		10		76	493							"
								Jan	30	July	88				

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills N of Stan 1 & 3

N.T.S. 93 E/15E

DATE 12 June 1988

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					du ppb				Zn ppm						
	Traverse around clearcut at west end of East Gater Road N of Stan 1 & 3														
30808	Start +660m, pyritic pebble of V ₄ Bx, Float	5-10	rock	grab	8										DEM JR
30809	+ 1010 m, pyritic f _{tz} V ₄ D, Float	1-2	rock	grab	1										"
30810	+ 1120 m, fine grain, gray V _{3/4} w. black fibrous spots and w. pyrite, Float	1-2	rock	grab	1										"
30811	+ 1500 m, outcrop, lt. gray V ₄ D	-	rock	grab	1										"
30812	+ 2200 m, pyritic V ₄ D or P ₄ , Float	5	rock	grab	18										"
30813	+ 2513 m, silt	-	silt	-	10										"
30814	+ 2775 m, V ₄ Bx w. chlorite + pyrite in matrix Float	3	rock	grab	13										"
30815	+ 3625 m + 25 m SE, outcrop, V ₄ D w. limonite, hematite	-	rock	grab	1										"
30816	+ 4180 m, stream from Mn=1648	-	silt	-	10					274					"
30817	+ 4515 m, outcrop, hematitic feldspar porphyry, V _{3/2} , in part breccia	-	rock	grab	1										"
30818	Sample from next clearcut to E dark gray, feldspar crystal aphanitic rock outcrop N of Stan 3	-	rock	grab	1										"

dm 12 June 88

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills Shel 5 and W

N.T.S. 93 E/15E

DATE June 13/1988

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb			Pb ppm	Zn ppm						
30826	125 m off road, eastward along North ^{W of Shel 5} Abnemen Creek	-	silt	grab	280						285				Carey G. Richardson H.
30827	625 m " " " " " " " "	-	"	"	10			56			385				"
30828	1035 m " " " " " " " " ^{small creek}	-	"	"	10						365				"
30829	1125 m " " " " " " " "	-	"	"	10						338				"
30830	1625 m " " " " " " " " ^{Shel 5}	-	"	"	10			73			522				"
30831	1933 m " " " " " " " " ^{Shel 5} creek, tributary 25m	-	"	"	10						414				"
30832	2125 m " " " " " " " " ^{Shel 5}	-	"	"	10						1138				"
	all ≥ 1000ppm Mn														

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD Hills Shel 5

N.T.S. 93 E/15 E

DATE JUNE 14/88

~~FEEL~~ SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	SAMPLED BY
					As ppm	Ag ppm	Pb ppm	Zn ppm	As ppm				
30833	At 2.00N 91.50W 83YQS764, At ^{Q 764} 5764 Shel 5	-	SOIL	Grab	10				137	579			RICHARD H.
30834	" " " " , 10m N	-	"	"	10				151	381			"
30835	" " " " , 10m W	-	"	"	10	16			144	348			"
30836	" " " " , 10m S	-	"	"	10					400			"
30837	" " " " , 10m E	-	"	"	10					1474			"
30838	" " " " , 10m to west	trace	ROCK	Grab	1	1.6			487			109	Carey G.
	- an altered rhyolite, slightly brecciated with mineral site gassing. Patches of bleached and cherty region.												
30839													
30839	125m 30° from Q5764 Shel 5	-	ROCK	GRAB	1								Carey G.
	- basalt, uniform, some epidote												
30840	At 4.00N 900W 83XLS 1052, At ^{Shel 5} 1052	-	SOIL	Grab	10	1.8			295	625	#		Richard H.
30841	" " " " , 10m N	-	"	"	10								"
30842	" " " " , 10m S	-	"	"	10				134	371			"
30843	" " " " , 10m W	-	"	"	10				78	348			"
30844	" " " " , 11m S, silica rich	-	ROCK	"									Carey G.
	epidote, some gassing												
30844	At 400N 900W 83XLS 1052, 10m E	-	SOIL	"	10				86	268			Richard H.
30845	at 400N, 900W, 83XLS 1052, 11m S Shel 5		ROCK	grab	1				258				
	rhyolite, silica rich, Fe stained												

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD Hills

shel 5

N.T.S. 93E/15E

DATE JUNE 14/88

ROCK SAMPLE REPORT

8806-055

PROJECT 358

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb			Pb ppm	Zn ppm		As ppm						
30846	At 400m, 1150 E; 83 XLS1047, At ^{shel 5} L1047	-	SOIL	GRAB	10				236	1177			203	RICHARD H.			
30847	" " " " 10m N	-	"	"	10					742				"			
30848	" " " " 10m W	-	"	"	10					499				"			
30849	" " " " 10m S	-	"	"	10					294				"			
30850	" " " " 10m E	-	"	"	10				53	740				"			

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD Hills Shel 5

N.T.S. 93E/15

DATE 23 JUNE 88

* 5 point soil tests; 10 m spacing. SOIL ~~ROCK~~ SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	SHELFIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb	Ag ppm	Cu	Pb	Zn	Mo					
✓ 30926	OLD CANADIAN # L1113 Mn 1742 Shel 5 @ anomaly		Soil	10	10	23	132	64	1043	10					0:11 D.
27	10mN				10				402						
28	10mW				10				253						
29	10mS				10	1.7									
✓ 30	10mE				10			53	569						
31	OLD CANADIAN # A5976 Shel 5				10				428						
32					10				400						
33	Ba 454, Ca 1.48, Mn 1538				10	3.2		61	552						
34					10			55	509						
35					10				276						
36	OLD CANADIAN # Q713 Shel 5				10										
37	Mn 4372, Al 4.3				10			241	379						
38					10				317						
39	Mn 1209,				10				288						
40					10										
✓ 41	OLD CANADIAN # G5339 Shel 5				10										
42	Al 3.69				100										
43					10										
44					10										
45					20										
	OLD CANADIAN # L1048 @ anomaly Shel 5				10				325						
	Al 3.0				10				316						
	10mW				10			2.6	80	114					

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD Hills - Shel 5

N.T.S. 93E/15

DATE 23 JUNE 85

SOIL ~~ROCK~~ SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	SAMPLES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					g	g	g	g	g	g	g	g	Zn ppm		
50147	"05 RES 1010" Rd	TOMC	SS.1												
51		TOMC													
1309 51	OLD CANNAMON # L1091 Shel 5		Soil		10										WD, RH
52					10										
53					10										
54					10										
55	Al 4-3				10										
1309 56	OLD CANNAMON # L1117 Shel 5				50							459			
57					10							698			
58					40										
59					10										
60					10										
1309 61	OLD CANNAMON # A6041 Shel 5				10										
62	Al 3-1				10										
63					10										
64					10										
65					10										
1309 66	OLD CANNAMON # Q835 Shel 5				10							269			
67					10										
68					10										
69					10										
70					10							279			
809 77															

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Shel 5 and west

N.T.S. 93 E/15E

DATE 23 June 88

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Asppb			Pb ppm	Zn								
	Conmax soil anomaly " Q 836 Shel 5																
✓30971	A1 3.0 @ anomaly		soil													WD, RH	
72	10m N		"													"	
73	10m W		"													"	
74	A1 3.0 10m S		"													"	
75	10m E		"													"	
	Kennco Ford 50 anomaly (Zn-Ag)																
	Blue Camp 3 + 780m @ 239° w of shel 5																
✓30976	@ site ?		soil													"	
77	10m N		"													"	
78	A1 4.4 10m W		"						65	476						"	
79	10m S		"							253						"	
80	10m E		"													"	

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD Hills - Shel 5

N.T.S. 93 E/15E

DATE JUNE 14/88

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb	Ag ppm		Pb ppm	Zn ppm		Pb ppm				
31001	4+00N; 8+50W; 83X14053 ^{83X14053} , AT L41053 ^{Shel 5}	-	SOIL	GRAB	10	19		137	344						RICHARD H.
31002	" " " 10m N	-	"	"	10			52	202						"
31003	" " " 10m W	-	"	"	10			60	265						"
31004	" " " 10m S	-	"	"	10										"
31005	" " " 10m E	-	"	"	10										"
31006	" " " , at site all around within 25 m, basalt, some epidote, slight gossanizing Shel 5	trace	Rock	GRAB	1										CAREY G.
31007	2+00N; 8+50W; 83X65348, AT 65348 ^{Shel 5}	-	SOIL	GRAB	10										RICHARD H.
31008	" " " 10m W	-	"	"	10										"
31009	" " " 10m N	-	"	"	10										"
31010	" " " 10m E	-	"	"	10					261					"
31011	" " " 10m S	-	"	"	100										"
31012	0+00N; 1150W 83X155996, AT 155996 ^{Shel 5}	-	"	"	10					996					"
31013	" " " 10m N	-	"	"	10	2.2		86	356						"
31014	" " " 10m W	-	"	"	10				490						"
31015	" " " 10m S	-	"	"	10				1230			273			"
31016	" " " 10m E	-	"	"	10				281						"

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - W of Shel 5

N.T.S. 93 E / 15 E

DATE 15 June 1988

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb			Pb ppm							
	Followup Keneco (Ford) soil anomaly														
	start traverse at UTM 652,000E; 5970,460N														
✓ 31017	go 130°, +50m		soil	-	10										CG, RH
31018	+100m		"		10										
31019	+150m		"		10										
31020	+200m		"		10										
31021	turn point +250m, go 90°		"		10										
31022	+50m		"		10										
31023	+100m		"		10										
31024	+150m		"		10										
31025	+200m		"		10										
✓ 31026	+250m		"		10										
	Start traverse at UTM 652,510E; 5970,250N														
✓ 31027	go 246°, +0m		soil		10										CG, RH
31028	+50m		"		10										
31029	+100m		"		10										
31030	+150m		"		10										
31031	+200m		"		10										
31032	+250m		"		10										
✓ 31033	+300m		"		10				86						
									dm	22	July	88			

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - W of Shel 5

N.T.S. 93 E / 15 E

DATE 15 June 1988

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY	
					Au	Ag										
	Start traverse at UTM 652,070E, 5970,200N															
✓ 31034	traverse @ 303°, +0m		soil		10											CG, RH
31035	+50m		"		10											"
31036	+100m		"		10											"
31037	+150m		"		10											"
31038	+200m		"		10											"
✓ 31039	+250m		"		10											"
' 31040			soil		10											
' 31041			soil		10											

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills Stan 3 claim

N.T.S. 93 E/15E
DATE 11 June 88

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS						SAMPLED BY
				Au ppb			Pb ppm	Zn ppm		
31387	Stan 3, float, 100m from truck dacite to rhyolite w. pyritic fragments amidst rhyolite fragments, rounded 30cm ϕ rock	rock	grab	1						dm
31388	Stan 3, silt, 125 m from truck Mn = 2878	silt	-	10				272		"
31389	Stan 3, resample ¹⁹⁸⁷ old silt 78140 Mn = 7653	silt	-	10						"
31390										
31390	Stan 3, float cobble, halfway up W edge of cleveat rhyolite breccia or lapilli tuff w. pyritic frag	rock	grab	1						"
31391	@ rd Followup of 1987 soil 3999-8, Stan 3 @ 3999-8 site	soil		10						FS
31392	+ 10m E	"		10						
31393	+ 10m N	"		10						
31394	+ 10m W	"		10						
31395	+ 10m S	"		10						
31396	20cm ϕ float cobble, 20m NW of soil 3999-3 pyritic rhyolite lapilli tuff to breccia Stan 3	rock	grab	1			51			dm
							dm	21	July	88

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Stan 4 and north

N.T.S. 93 E/15E

DATE June 11/88

ROCK SAMPLE REPORT

8806-055

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb							Mn ppb	
31572	station 1; 20m down western tributary ^{N of Stan 4}	-	silt	grab	10							1047	P.vey Baleschit
31573	" 2; 20m " eastern " "	-	"	"	10							1253	" "
31574	" 3; 500m from station 2 Stan 4	-	"	"	10							2575	" "
31575	" 4; 610m from " 3 "	-	"	"	10								" "

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD E of Shel 6, S of Stan 1, Stan 1

N.T.S. 93E/15

DATE 18 June 83

* 5 point soil anomaly. Soil ~~BOOK~~ SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb			Pb ppm	Zn				
✓ 31601	Old Connors # 5922 Line 1 @ anomaly		Soil	Grab	16				204	347			D. H. D.
02	E of Shel 6 10m N				10					260			
03	10m W				10								
04	10m S				10					382			
✓ 05	10m E				10								
✓ 31606	Old Connors # 5855 Line 2 @ anomaly				10					752			
07	5856 10m N				10					437			
08	E of Shel 6 10m W				10								
09	MA=1290 10m S				10								
10	10m SE				10					411			
✓ 31611	Old Connors # N895 ^{MA=1597} Line 3 @ anomaly				10				496	496			
12	S of Stan 1 MA=1814 10m N				10				525	525			
13	10m W				10				458				
14	10m S				10					458			
15	10m E				10								
31616	Old Connors # N899 Line 3 @ anomaly				10								
17	S of Stan 1 10m N				10								
18	10m W				10								
19	10m S				10								
20	10m E				10								
31621	Old Connors # 5980 Line 4 @ anomaly				10								
22	Stan 1 10m N				10								
23	10m W				10								

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD Hills - Shel 6 and north

N.T.S. 93E/15 E

DATE 13 June 89

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	SLICES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Ass ppm			Pb ppm				Mn			
31624↑	10mS		Soil	6rd	10			113							P:11 D.
25-	10mE				10										
✓ 31626	old Cornue # 5888 Line 2 @ anomaly				10										
27	N of Shel 6, ^W of Star 1				40										
28					10										
29					10										
✓ 30	Ba=456				10			65					1757		
✓ 31631	old Cornue # 5899 Line 1 @ anomaly				10										
32	Shel 6 10mN				10										
33	10mW				10										
34	10mS				10										
35	10mE				10								1097		
✓ 31636	old Cornue # 5901 Line 1 @ anomaly				10										
37	Shel 6				10										
38					10										
39					10										
40					10										
31641	old Cornue # 5905 Line 1 @ anomaly				10										
42	Shel 6 10mN				10										
43	10mW				10										
44	10mS				10										
45	10mE				10										

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD Hills - Stan 4 and N

N.T.S. 93 E/15E

DATE June 11/88

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Ag	pb									
34856	Station 1; 20m down western ad tributary N of Stan 4	-	HMC	grab	1100										Curry Guleschut
34857	" 2; 20m down eastern " "	-	"	"	10										" "
34858	" 3; 500m from station 2 Stan 4	-	"	"	10										" "
34859	" 4; 610m " " 3 "	-	"	"	150										" "
34860	" 5; 1020m " " 3 "	-	"	"	140										" "
34861	" 6; 500m " " 5 "	-	"	"	10										" "

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Stan 1

N.T.S. 93 E/15E

DATE 12 June 1988

ROCK SAMPLE REPORT 8806-055

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb				Zn ppm	Mo ppm					
34862															
34863			rock		1										
34864	no notes for these samples probably Galeschuk Mn = 2007		silt		10										GC, FS ?
34865	Stan 1		rock		20										
34866	185 m down stream basalt, epidote 12 June Stan 1		rock		2										CG
34867	195 m rhyolite, pyrite, dark gray 12 June Stan 1	2-3	rock		4				497	14					

Jm 25 July 88

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford ~~Whitesort~~ Hills - Shel 5 and W

N.T.S. 93 E/15 E

DATE June 13/88

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb	Pb ppm	Zn ppm										
34868	575 east of road along North Norman Creek - altered tuffaceous rhyolite - some gossoning, Mn oxide staining - chalky texture Mn=5534 W of Shel 5	-	rock	grab	1				48								Carey Galuschuk "
34869	1765m east of road along North Norman Cr. - oxidated/alterned green rhyolite - small % exposed at creek bed Mn=2316 Shel 5	-	rock	grab	1					451							Carey Galuschuk

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93 E/15E

PROPERTY Shelford Hills - W of Shel 5

DATE 15 June 1988

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Per grab			Pb per							
-34870	15m past soil 31029 ~ UTM 652,410E 5970,200N rhyolite, green to tan, slightly bleached Fe+Mn stained W of Shel 5	?	rock	grab	1				48						C. Galeschuk

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD - WHITESAIL (CLAIMS STAN 1, 2 & 3)

N.T.S. 93E/15E

DATE JUNE 20/88

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	SAMPLED BY
					Ag	ppb							
✓34871	10m NE of XGS-712 - very lite light grey rhyolite - no mineralization	-	Rock	Grab	1								Creey Goldschmidt
		0.189% P											
✓34872	1165m from XGS-712, creek - dark grey crystalline rhyolite	-	Silt	"	10							Mn=1900	"
✓34873	27m upstream from 34872 - east bank, creek side	1-2	Rock	Grab	1								"
	- slightly gossamed, disseminated pyrite	1-2	Rock	"									"
✓34874	86m upstream from 34872 west bank - altered rhyolite - limonite + gossan staining - disseminated pyrite - chloritized or possible fuschite	trace	Rock	"	1								"
✓34875	190m upstream from 34872 east bank - extremely altered rhyolite - very light - whiteish yellow in color	trace	Rock	"	1								"
34876	117096 45m from 200m upstream from 34872, small eastward flowing creek		Silt										"

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills Stan 4

N.T.S. 93 E/15E

DATE June 1/88

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	Mn ppm	SAMPLED BY
					Au ppb											
35393	Station 5; 1020m from Station 3 Stan 4	-	silt	grab	10										1586	Carey Gulcheruk
35394	167m from Station 5; moraine color glacial till Stan 4	-	soil	grab	10											"
35395	269m " " 5; small westward creek Stan 4	-	silt	grab	10										1455	"
35396	307m " " 5; altered basalt Stan 4	1-2%	rock	grab	1											"
35397	Station 6; 500m from St. 5. Stan 4	-	silt	grab	10										1503	"

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD - Hills - W of Star 1

N.T.S. 93E/15E

DATE 12 JUNE 88

N.V.M. = No visible mineralization

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	SAMPLED BY
					#	#	#	#	#	#	Pb ppm		
36086	30cm felsic lap. ll. tuff float with 2% limonite spotting. NVM W of Star 1	-	rock HS	-	1								Bill D.
36087	20cm angular felsic tuff float with possible 2% ank. carbonate 1% limonite spotting NVM " " Ba = 10571ppm	-	rock HS	-	1								
36088	Siliceous grey rock with minor carbonate and possible ank. carbonate class (?) perovskite limonite staining "	1% py	rock HS	-	1								
36089	Felsic lap. ll. tuff o/c with 1-2% limonite. NVM. "	-	rock HS	-	1								
36090	Siliceous float with grey sericite (?) and possible amp (?) "	1% py 4% amp?	rock HS	-	1								
36091	As #36090 " 1% py 4% amp "		rock HS	-	1			50					
36092	Lithic tuff o/c. Overall greenish alteration. Minor carbonate. "	6% py	rock HS	grab	1								

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Sheep Cove Hills - W of Stn 1

N.T.S. 93E/15E

DATE 12 June 80

ROCK SAMPLE REPORT

PROJECT 253

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
															P. H. D.
36093	Quartz vein with fine-grained pyrite in buff. Possible fracture fill. Fe=10.3% W of Stn 1	30% p.p.	rock chip	0.5m	4	1.9			52				83	155	
36094	Fault gouge - grey clay with some limonite	-	rock	fine	1										
36095	Tuff o/c - sample of fault gouge - red colour	-	rock	fine	1										
36096	Fault gouge with red-brown coloration - clay composition Mn=2951	-	rock	fine	1										
36097	Quartz float (20cm) with disseminated pyrite and minor limonite	41% p.p.	rock	-	1				48				850		
36098	Siliceous grey rock as #36092 Float - 15cm	11% p.p.	rock	-	1										

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD - W of Stan 1

N.T.S. 93E/15E

DATE 12 JUNE 88

~~ROCK~~ SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	SLURRIES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY	
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm				
36109	G.C. I 54653; West of Stan 1 Fe=799	Ba=617	silt	6" 6"	10												5762	D:11 O
36110	"	Ba=405			10												3245	
36111	"				10												3484	
36112	"	Ba=747			10							10					7561	
36113	"				10												4088	
36114	"				10												7810	
36115	"				10												1855	

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Shel 9 claim

N.T.S. 93E/15E

DATE 17/06/88

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					ppb	ppb			Zn ppm						
36161	25 meters east of XAS 6564	<1%	O.C.	1m	1										G. Chinn
36161	Fine grained granodiorite porphyry. MnS ₂ are altered to chlorite whereas pyrite phenocryst are altered, perhaps to sericite. 1mm euhedral pyrite grains sparsely distributed. Mn = 3290 ppm Shel 9		rock												
36162	4m west of XAS 6515? 30cm ³ float with 1m ² stain on fractures as well as red stain on some surfaces. Minor sulfide observed in a light tan aphanitic siliceous host, gtz veins? Shel 9	<1%	Float	30cm ³	1										
36163	25m West of AQS 12224 Limestone stained peritectonically, cleaved, perhaps 1.75' thick cataclastic gtz rock, Shel 9 ample pyrite pseudomorphs and a variety of sulfides 1m thick	1%	Float	20cm ³	5	3.2									

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelby Hills 1 - Shel 9 claim
 ROCK SAMPLE REPORT

N.T.S. 93E/15E

DATE 17/06/88

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	Zn ppm	SAMPLED BY
					□	□	□	□	□	□	□	□		
36164	@ AQS 1234 a. light tan aphanitic, siliceous rock, possible vein, with limonite stain of fractures. 1mm - 5mm euhedral pyrite cubes and ample manganese stain Shel 9	1%	Flint rock		1								381	G. Chian
36165	38 meters NNW of AQS 1237 a highly siliceous and fracture? light tan aphanitic rock with limonite and red staining Numerous weathered out pseudomorphs of ^{small} euhedral pyrites Shel 9	-	O.L. rock		1									
36166	975m west of H5137 a numerous boulders of fine grained granodiorite whose matrix have been altered to chlorite. Small to tension gashes filled with quartz quartz observed. Minor pyrite also present Shel 9	4%	Flint rock		1									

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shel 9 claim - Shelford Hills

N.T.S. 93 E/15E

DATE 18 June 1988

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
						App									
36167 ✓	720m W of camp, +20m N, +35m W, outcrop white, aphanitic phylite, highly fractured, limonite-stained, 0.5-1mm euhedral pyrite, Shel 9 Bi = 17 ppm	1	rock	grab	2										GC
36168 ✓	720m W of camp + 147m upstream, sub angular flat, siliceous rock with dusty (v.f.g.?) pyrite, pale greenish sericite patches Shel 9	3	rock	grab	4										"

G = GEOCHEM A = ASSAY

Jm 18 June 88

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Stan 2

N.T.S. 93E/15E

DATE June 20, 88

ROCK SAMPLE REPORT

PROJECT # 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY	
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
36172	Dacite lapilli tuff with disseminated fine grained pyrite. Stan 2 Mn = 1425 ppm	1/2%	Rock			Au ppb												G. Chinn

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shel 50-d / Wh 20-50-d Shel 10 claim

N.T.S. 93 E / 15 E

DATE Jan 23rd, 80

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb			Pb ppm		As					
36174	Located @ XAS 6364 a light tan rhyolite tuff with weathered out sulphides with limonite and manganese stain on fractures. Shel 10		ROCK	grab	3				236		906				G-Chen

②

N.T.S. 93E/15E

PROPERTY Shelford/Nh. 1000 - Shel 4 claim

DATE June 29, 1989

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
36175 ⁻	At road on old Ford 53 claim, 500m above of light tan rhyolite with limonite filled tension cracks and weathered out pyrite.		Rock.		Ax	ppb	2										W. Chou

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Slit/Scal Hills - Shel 4 claim

N.T.S. 43E/15E

DATE June 22/88

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb	Cu ppm											
36176	125m down stream from a section on East Branch Sheburn Creek rock scale with light tan to light gray s lens rock with dusty pyrite mineralization through-out and magnetite pyrite (5mm cubes) and chalcopyrite? mineralization on some structure planes	5%	Rock			2	19										G. Chan

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD Hills - Shel 6

N.T.S. 93E/0E

DATE 19 ~~8~~ Dec 80

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	SULFIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					ppb				Zn ppm						
36203	G.C.I # 54655 Shel 6		silt	6rel	10										B:J D.
	Mn = 3231														
36209	" " "		"	"	10										
	Mn = 8717														
36210	" (old # Z1579) Shel 6		"	"	10										
	Mn = 2552														
36211	" " "		"	"	10					620					
	Mn = 53095 Fe = 14.91 U = 39 Bi = 2920														

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Hills 2 and Shel 9 - Sheldford Hills

N.T.S. 93 E/15 E

DATE 20 June 88

SAMPLE REPORT

8806-069

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS						SAMPLED BY
				Au ppb				Zn ppm	Mn	
36212	250m N of camp (Red Camp II) Hills 2	silt	-	10				260		WD, RH
36213	500m upstream from 36212	"	"	10					1229	"
36214	1000m upstream from 36212	"	"	10						"
36215	1530m upstream from 36212	"	"	10				374	1482	"
36216	2000m upstream from 36212 Shel 9	"	-	10				330	1804	"
36217	400m @ 020° from 36216 Hills 2	"	-	10				290	2507	"
36218	500m downstream from 36217 Hills 2 "	"	-	10					1537	"
36219	546m downstream from lake at Red Camp II Hills 2	"	-	10				459	4392	"
36220	1150m downstream from lake at Red Camp II Hills 2	"	-	10				482	3050	"
36221	1500m downstream from lake at Red Camp 2 SoF Hills 2	silt	-	10				370	2018	"
								Jan 24	June 88	

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD Hills - Str 2

N.T.S. 93E/15E

DATE JUNE 20/98

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G <input type="checkbox"/> A <input type="checkbox"/>								SAMPLED BY	
					G	A	G	A	G	A	G	A		
36226	Porphyritic Andesite - No visible mineralization. Character sample character Hills 2	-	Grab rock	1m grab	Au									BILL

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY SHELFORD - Normans Creek, W of Shel 5

N.T.S. 93E/15

DATE 22 June 88

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
36227	Andesite - dull purple-green colour, fine grained with <1% pyrite veins filled by limonite. 5 mm gr.	-	Rock Rock	Grub Grub		1									D.K.O.
36228	Weathered rhyolite, moderately fractured with 1% dendritic black mineral (Mn?)	-	Rock Rock	Grub Grub		1									1398
36229	Kaolinized rhyolite - no visible mineralization	-	Rock Rock	Grub Grub		1									4920
36230	Highly weathered rhyolite with semi-pervasive limonite stain. Fine kaolinite	-	Rock Rock	Grub Grub		2									4764
36231	Weathered porphyritic andesite. Overall purplish alteration (perthite?) 2% limonite staining	-	Rock Rock	Grub Grub		1									301

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Stan 1

N.T.S. 93 E/15E

DATE 12 June 1988

ROCK SAMPLE REPORT

8806-055

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Arz ppb	Ag ppm	Pb ppm	Zn ppm	Mo ppm						
37977	Stan 1 line 1		soil	-	10										CG, FS
37978	" Mn 1213		"		10		80	244							
37979	" Ba 440 Mn 1782		"		40	3.0	519	727		21					
37980	"		"		20										
37981	line 2		"		10										
37982	"		"		10										
37983	"		"		10										
37984	"		"		10										
37985	"		"		10										

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Shel 9

N.T.S. 93 E/15 E
DATE 17 June 1988

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS						SAMPLED BY	
				Au ppb	Ag ppm		Pb ppm	Zn			
	Followup XAS 6569 anomaly Shel 9										1
37989	@ anomaly	soil	-	10							F Stewart
37990	10mN	"		10							"
37991	10mW	"		10							"
37992	10mS	"		10							"
37993	10mE	"		10							"
	Followup XAS 6568 anomaly Shel 9										
37994	@ anomaly	soil	-	40							F Stewart
37995	10mN	"		10							"
37996	10mW	"		10							"
37997	10mS	"		10							"
37998	10mE	"		10							"
38000	@ 374 m small stream from 260° to 108° Mn = 4216	slit	-	10	33		88	682			G Chinn
							dm	21	July	88	

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shel 9 claim - Shelford Hills

N.T.S. 93 E/15E

DATE 18 June 1988

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
					Au ppb										
38001 ^v	on ridge crest to N of camp														
	rhyolite (silica, sericite rich rock)	1-2	rock	grab	1										dm, 6C
	dissem. pyrite														
															dm 18 June 88

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shel 9, Shel 10 claims - Shelford Hills

N.T.S. 93 E/15 E
DATE 19 June 1988
PROJECT 255

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY	
					Ave ppb	Ass ppm										
38002.	camp + 185m @ 200°, outcrop dacitic to rhyolitic crystal tuff w. chlorite partings and blebs, lim. + hem., NO Pyrite Shel 9	0	rock	grab	1											dm
38003	camp + 253m @ 200°, outcrop rhyolitic to dacitic crystal tuff, minor pyrite, lim. + hem. Shel 9	minor	rock	grab	9	5.5										dm
38004	@ soil sample 38081, heave bleached? dacitic to rhyolitic tuff? Shel 10	nil	rock	grab	1											"
38005	Caramax soil XQS 1143 + 10mN + 10mE, outcrop dacitic to rhyolitic lapilli tuff, same chlorite Shel 10	0	rock	grab	1											"

dm 19 June 1988

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills (STUD 2)
ROCK SAMPLE REPORT

N.T.S. 97E/15E
 DATE June 20, 1989
 PROJECT #255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb		Pb ppm	Zn ppm	Mo ppm						
38006	Dacitic lapilli tuff with feldspar crystals. Stan 2	n.l	Rock		1										Dei
38007	Dacitic tuff, disseminated pyrite. Mn = 2356 ppm Ba = 586 ppm Stan 2	1%	Rock		2			231							"
38008	Hypabyssal ^(V₂) dacite to ^(V₂) andesite, trachytic feldspar, gray. Sr = 373 ppm Ca = 350% P = 0.192% Ba = 791 ppm Stan 2	n.l	Rock		1										"
38009	Dacitic lapilli tuff with disseminated pyrite Stan 2	1/2%	Rock		1			118							"
38010	682m on ^{120°} 100° traverse. Mn 13557 Stan 2		S-17		10			485	11						"
38011	Dacitic tuff with chlorite epidote but no sulphides Stan 2	n.l	Rock		1										"
38012	741m on 120° Stan 2		S-17		10										"
38013	1465m on 120° Ba = 700 Mn = 25578 Stan 2		"		10			49	800	28					"
38014 238014	Frost heave of dacitic tuff lapilli, with chlorite and a trace of pyrite Stan 2	Trace	Rock		1										"

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelburne Hills (ST-12)
 ROCK SAMPLE REPORT

N.T.S. 93E/15E
 DATE June 20, 1989
 PROJECT #255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb			Pb ppm			Mn				
38015	70m 0m on 000°N	-	Soil	-	10										Del
38016	0m on 315°N	-	Soil	-	10										G&P
38017	100m		"		10										"
38018	200m		"		10										"
38019	300m		"		10			59				1157			"
38020	400m		"		10										"
38021	500m		"		10										Del
38022	600m		"		10										"
38023	700m		"		10										"
38024	800m		"		10										"
38025	900m		"		10										"
38126	@ 85 N55 W		Soil												"
38127	10m N		"												"
38128	10m W		"												"
38129	10m S		"												"
38130	10m E		"												"
38131	@ 67 N55 W		"												"
38132	10m N		"												"
38133	10m W		"												"
38134	10m S		"												"
38135	10m E		"												"
38136	@ 87 N55 W		"												"

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Shel 9 claimN.T.S. 93 E/15EDATE 18 June 88

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS				SAMPLED BY
				Au ppb	Ag ppm	Zn ppm		
	anomaly at "83 XLS 1471"	Shel 9						
✓ 38026	p=1227 @ anomaly	soil	-	10				F. Stewart
38027	10m N	"		10				"
38028	10m W	"		10				"
38029	10m S	"		10				"
38030	Mn=1224 10m E	"		10	1.8		268	"
	anomaly at "83 XLS 1472"	Shel 9						
✓ 38031	@ anomaly	soil	-	10	2.0		291	"
38032	10m N	"		10				"
38033	10m W	"		50				"
38034	10m S	"		10				"
38035	10m E	"		10				"
	anomaly at "83 XLS 1475"	Shel 9						
✓ 38036	@ anomaly	soil	-	10				"
38037	10m N	"		10				"
38038	10m W	"		10				"
38039	10m S	"		10				"
38040	10m E	"		10				"
						Jun 21	July 88	

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Shel 9

N.T.S. 93 E/15E
DATE 18 June 1988

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS						SAMPLED BY	
				Au ppb							
	Anomaly at "83 XQS 1303" Shel 9										
✓ 38051	@ anomaly	soil	-	10						F. Stewart	
38052	10m N	"		10						"	
38053	10m W	"		10						"	
38054	10m S	"		10						"	
38055	10m E	"		10						"	
	Anomaly at "83 XLS 1440" Shel 9										
✓ 38056	@ anomaly	soil	-	10						"	
38057	10m N	"		10						"	
38058	10m W	"		10						"	
38059	10m S	"		100						"	
38060	10m E	"		10						"	
	Anomaly at "83 XLS 1439" Shel 9										
✓ 38061	@ anomaly	soil	-	10						"	
38062	10m N	"		10						"	
38063	10m W	"		10						"	
38064	10m S	"		10						"	
38065	10m E	"		10						"	
								Jan	21	July	88

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shel 10 claim - Shelford Hills

N.T.S. 93 E/15 E

DATE 19 June 1988

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G <input type="checkbox"/> A <input type="checkbox"/>	G <input type="checkbox"/> A <input type="checkbox"/>	G <input type="checkbox"/> A <input type="checkbox"/>	G <input type="checkbox"/> A <input type="checkbox"/>	G <input type="checkbox"/> A <input type="checkbox"/>	G <input type="checkbox"/> A <input type="checkbox"/>	G <input type="checkbox"/> A <input type="checkbox"/>	SAMPLED BY
					Au ppb	Ag ppm		Pb ppm	Zn			
	N-S soil line started at n 4360' elev. on N boundary of Shel 10 claim on slope W to N. Branch Shelford Creek											
✓38076	+50MS	-	soil	-	10							FS
77	+75MS		"		10							"
78	+100MS		"		10							"
79	+125MS		"		10							"
38080	+150MS		"		10	22		71	264			"
81	+175MS		"		10			87				"
82	+200MS		"		10	2.3		81	386			"
83	+225MS		"		10	4.1		49	277			"
84	+250MS		"		10			322	406			"
85	+275MS		"		10				295			"
86	+300MS		"		10	1.9			249			"
87	+325MS		"		10							"
88	+350MS		"		10	1.6		197	975			"
89	+375MS		"		10	2.2		50				"
38090	+400MS		"		10				284			"
91	+425MS		"		10	3.0			303			"
J 92	+450MS		"		10	2.5		52	309			"
								Jun	19	June	88	

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford - Shel 10

N.T.S. 93 E/15 E

DATE June 23, 68

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					As ppb	As ppm	Pb	Zn	As						
38101	83 XLS 1297 Mn 9937 P-23 Shel 10		Soil		10	5.7			326	498			192	F. Stewart	
38102	10m N N/S		"		-									"	
38103	10m W		"		10	2.0			87	559			309	"	
38104	10m S Mn 11316 P-30 A1 3-2		"		10	2.8			409	873			723	"	
38105	10m E Mn 778		"		10	7.3			413	518			261	"	
38106	83 XLS 1296 Mn 2876 P-27 Shel 10		"		10				90	512			120	"	
38107	10m N N/S		"		-									"	
38108	10m W N/S		"		-									"	
38109	10m S		"		10									"	
38110	10m E		"		10					307				"	
38111	83 XLS 1290 Mn 2548 A1 3-0 Shel 10		"		10				100	496				"	
38112	10m N 3362 3-3		"		10				99	640				"	
38113	10m W 8159 3-5		"		10				185	955				"	
38114	10m S 3-0		"		10				72	364				"	
38115	10m E 2340 3-0		"		10				68	404				"	
38116	83 XLS 1287 Mn 1831 P Shel 10		"		10				90	895				"	
38117	10m N		"		10					56				"	
38118	10m W		"		10					527				"	
38119	10m S P-30 Mn 12524 Ba 612 A130		"		10				1149	1765			215	"	
38120	10m E .22 18697 493 32		"		10				1110	1447			227	"	
38121	83 XLS 1256		---											---	
38122	---		---											---	
38123	---		---											---	

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93 E/15E

PROPERTY Shelford Hills - Shel 10

DATE 23 June 1988

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au	ppb	Ag	ppm	Pb	Zn	As				
	Follow up Conamax soil anomaly " 83 XLS 1286 "														
38121 ✓	Shel 10 Mn 1126 @ anomaly		soil			10	2.9			131	966		110		F. Stewart
38122	10m N		"			10					727				
38123	10m W		"			10			105	603					
38124	Mn 1123 # 10m S		"			10			115	480					
38125 ✓	P. 22 A1 4.0 10m E		"			10			115	1252		110			
										dm	30	July	88		

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Stan 2

N.T.S. 93E/15E

DATE June 24, 1994

ROCK SAMPLE REPORT

PROJECT _____

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
39146	85m on 253° from blue camp II Mn=1533 Stan 2		S.f	-	10										G.Chance

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford / White sec 1 - Shel 10 claim

N.T.S. 93E/15E

DATE June 23, 1980

ROCK SAMPLE REPORT

PROJECT #255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					ppb										
38147	Located @ 83 XLS 1248 a light tan to pink intensely fractured rhyolite with weathered-out sulfides, x 1/2%	1/2	Rock	grab	2										G. Chinn
38148	Located @ 83 XLS 1247 a light tan to light gray rhyolite with weathered out sulfides	-	Rock	grab	4										G. Chinn
38149	Located @ XLS 1246 a light tan to light gray rhyolite with weathered out sulfides	-	Rock	grab	1										G. Chinn
38150	Located @ XLS 1287 a light green to tan rhyolite with weathered out sulfides	-	Rock	grab	1										G. Chinn

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Stan 3

N.T.S. 93 E/15E

DATE 20 June 88

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS					SAMPLED BY
				Au ppb	Ag ppm	Pb ppm	Zn ppm		
	Anomaly at "83 XGS 710" Stan 3								
✓ 38201	Fe=9.16% @ anomaly	soil	-	10	4.0	430			F. Stewart
38202	10m N	"		10		50			"
38203	10m W	"		10	2.5	55			"
38204	10m S	"		10	5.3	560			"
✓ 38205	10m E	"		10	2.5	107			"
	Anomaly at "83 XGS 711" Stan 3								
✓ 38206	@ anomaly	soil	-	10		132			"
38207	10m N	"		10					"
38208	10m W	"		10					"
38209	Bi=11 ppm 10m S	"		10		142			"
✓ 38210	10m E	"		10					"
	Anomaly at "83 XGS 712" Stan 3								
✓ 38211	@ anomaly	soil	-	10					"
38212	Bi=11 ppm Fe=6.59% 10m N	"		610	1.6	145			"
38213	10m W	"		10		58			"
38214	Bi=16 10m S	"		10	4.4	50			"
✓ 38215	Bi=9 Fe=6.69% 10m E	"		10		64			"
							Jun 21	July 88	

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Stan 2

N.T.S. 93 E/15E

DATE 20 June 1988

SAMPLE REPORT

8806-069

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS				SAMPLED BY
				Am gr		Zn ppm		
38216	@ 96°, 45 m from 250m upstream from 34872, small ^{west?} east flowing creek Stan 2 Mn-13088	silt	-	10		418		C Galerchuk
							dm 20 21	June July 88

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Shel 5

N.T.S. 93 E/15E

DATE 14 June 88

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb	Ag ppm	Pb ppm	Zn ppm	Mn ppm								
38881	rhyolite, feldspar xtzls; in cleav Shel 5 Canamax soil anomaly 300N, 2350W "83 XAS 604"		rock	grab	12												
38882	Shel 5 @ 700 anomaly		soil	-	10										FS		
3	10m E		"		10												
4	10m N		"		10												
5	10m W		"		10					272							
6	10m S		"		10												
38887	@ Canamax TL2300W, 370N Shel 5 Canamax soil anomaly 600N, 2250W "83 XQS 835"		silt		10	1.9		195		2639 2639		28179					
38888	Shel 5 @ anomaly		soil	-	10					289					FS		
9	10m E		"		10					310							
38890	10m N		"		10					415							
1	10m W		"		10					235							
2	10m S		"		10					324							
38893	rhyolite jointed, anomaly + 10m N, 15m E Canamax soil anomaly @ 550N, 2300W "83 XQS 836"		rock	grab	1												
38894	Shel 5 @ anomaly		soil	-	10										FS		
5	+ 10m E		"		10												
6	10m N		"		10												
7	10m W		"		10					245							
8	10m S		"		10					255							
38891									dm	27?	July	88					

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Shel 5

N.T.S. 93 E/15E
 DATE 14 June 1988
 PROJECT 255

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	Zn ppm	Mn ppm	SAMPLED BY
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
38899	creek from 342°, to 164°. 14 June 88 Fe=6.93% Shel 5 Ba=981ppm		silt	10											1289	28179	dhw		
38899 900	rhyolite, fracture 1100N, 1800W (B3 XAS 6165) + 10m NW subcrop Shel 5	-	rock	grab	1													dhw	
																		dhw 25 July 88	

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelbourn Hills - Shel 4, Shel 10

N.T.S. 43E/15E

DATE June 23, 84

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					ppb	ppm		Pb	Zn		As				
38901	XAS 6364 M _n 3565 A1 3-4 Shel 10		Sol		10				768	1333			302		J. Stewart
38902	10m N 5017 3-1		"		10	2-3			308	1342			108		"
38903	10m W 4406		"		10	2-5			157	1066			151		"
38904	10m S 2579 3-0		"		10				214	830			679		"
38905	10m E 8715 4-0		"		10	4-7			339	800			222		"
38906	83 X09 6723 XLS 1264 Shel 4		"		10										"
38907	10m N		"		10										"
38908	10m W		"		10										"
38909	10m S		"		10										"
38910	10m E		"		10										"

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Shel 4

N.T.S. 93E/15E

DATE June 24, 1999

ROCK SAMPLE REPORT

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb			Pb ppm	Zn						
38911	83 XAS 6237 Shel 5		Soil		10										F. Stewart
38912	10m N		"		10			219	377						"
38913	10m W		"		10										"
38914	10m S		"		10			61	389						"
38915	10m E		"		10										"
38916	83 XAS 624 S Shel 4		"		10										"
38917	10m N		"		10										"
38919	10m W		"		10										"
38919	10m S		"		10										"
38920	10m E		"		10										"
38921	Anomaly on Ford 53 Claim (old Kenco) Shel 4		"		10								Al=3.4%		"
38922	10m N Zn-Ag		"		10										"
38923	10m W		"		10										"
38924	10m S		"		10										"
38925	10m E		"		10										"

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Shel 9

N.T.S. 93 E/15E
DATE 17 June 1988

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS						SAMPLED BY	
				Au gpb	Ag ppm	Cu ppm	Pb	Zn	Mo		As
	Anomaly at "83 XQS 1229" Shel 9										
38926	St=16 ppm Bi=10 ppm	soil	-	10	2.0		332	914			F. Stewart
7	St=35 Bi=19	"		20	4.2		287	1627			"
8		"		10	1.7			786			"
9		"		10	3.3		64	857			"
38930	P=217% Mn=3015	"		10	1.7	94		1109		185	"
	Anomaly at "83 XQS 1234" Shel 9										
38931	Mn=1304	soil	-	10	2.0		276	821			"
2	2111	"		10			235	1183			"
3		"		10	4.7		229	592			"
4	2568 Bi=9 ppm	"		10	3.1		513	974			"
5	3737 Fe 6.42% Bi=15	"		10	1.5		262	1321	12		"
	Anomaly at "83 XQS 1237" Shel 9										
38936		soil	-	10	2.3		994	287			"
7		"		10	2.6		429	464			"
8		"		10	2.5		904				"
9		"		10	7.1		459	542			"
38940		"		10	2.0		809	262			"
							du	21	July	88	

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93 E / 15E

PROPERTY Shelford Hills - Stan 2

DATE 20 June 1988

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS								SAMPLED BY	
				Aug	pb								
	soil @ 100m intervals @ 270°												
38951	start (38095) + 600m W Stan 2	soil	-	10									GC

dm 21 July 88

NORANDA EXPLORATION COMPANY, LIMITED

②

PROPERTY Shelford - Shel 9

N.T.S. 93E/15E

DATE June 22/88

ROCK SAMPLE REPORT

8807-015

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb	Ag	Pb ppb										
38952	Ag soil anomaly on Old Ford 6 claim		Sol		10						261						Al 3.8% - Chin
38953	10m N " Zn-Ag anomaly Shel 9		"		16	2.3					251						
38954	10m W "		"		16	2.8					267						
38955	10m S "		"		10						159						
38956	10m E "		"		10						71						

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Shel 5

N.T.S. 93 E/15 E

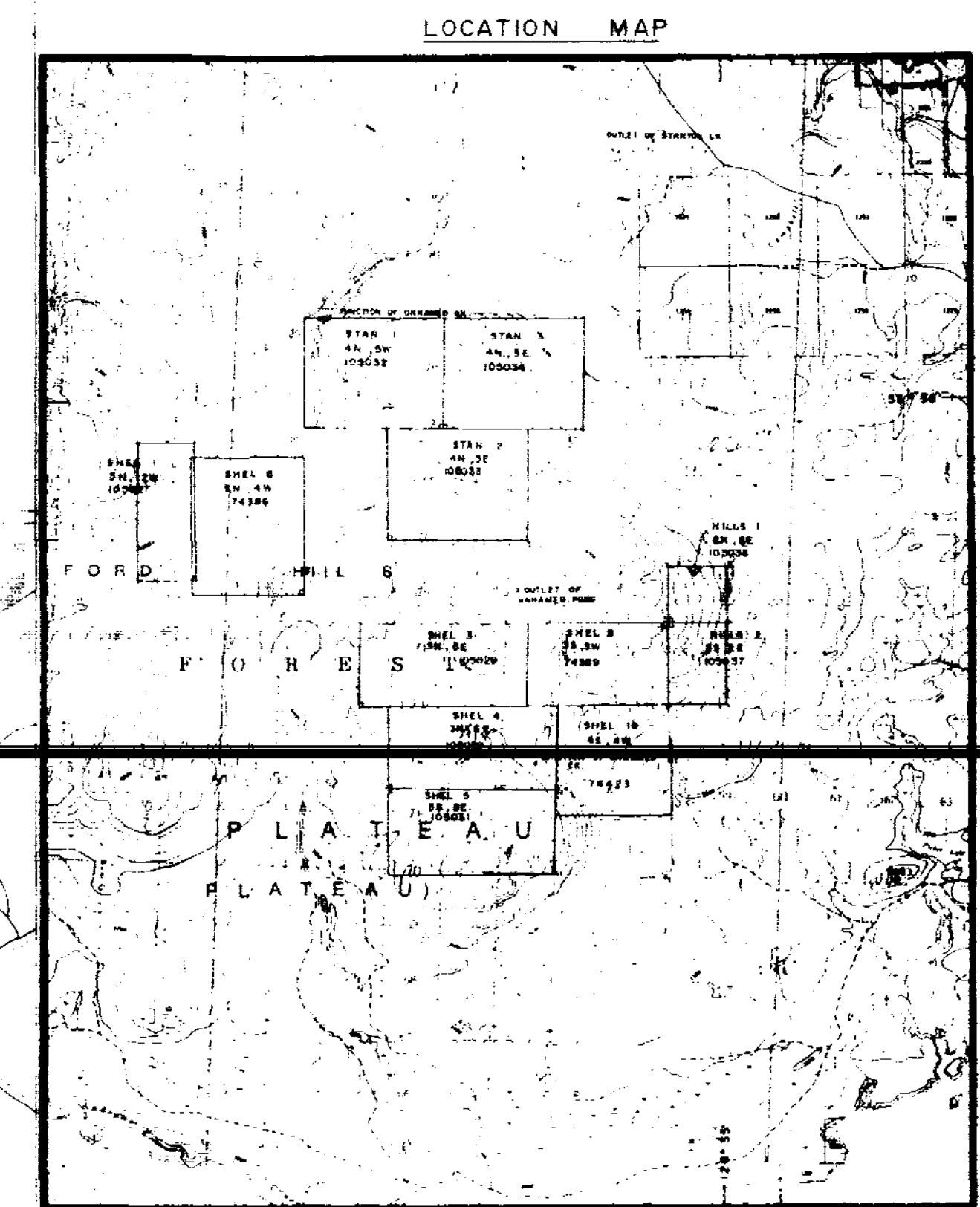
DATE 14 June 1988

ROCK SAMPLE REPORT

8806-055

PROJECT 255

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	SAMPLED BY
					Au ppb	Ag ppm	Pb ppm	Zn ppm	As				
	Caromax soil anomaly 1100N, 1800W "83 XAS 6165"												
55056	Shel 5 @ anomaly		soil	-	10	22				814			FS
7	10m E		"		10					207			"
8	10m N		"		10								"
9	10m W		"		10								"
55060	10m S		"		10					476			"
55061	anomaly above + 265m @ 120°; rhyolite heave Shel 5	MINOR PY	rock	grab	1								
	Caromax soil anomaly 900N, 1550W "83 XLS 1117"												
55062	Shel 5 @ anomaly		soil	-	10					272			FS
3	10m E		"		10								"
4	10m N		"		10	14				686	26		"
5	10m W		"		10								"
55066	10m S		"		10								"
	Caromax soil anomaly 900N 1150W "83 XLS 1090"												
55067	Shel 5 @ anomaly		soil	-	10								FS
68	10m E		"		16					273	240		"
69	M=1198 10m N		"		10					301			"
70	10m W		"		10								"
55071	10m S		"		10								"
55072	angular float in this area; rhyolite, fractured Shel 5		rock	grab	3								
55073	in clearcut above truck; fractured, limnic rhyolite		rock	grab	1					52			
	truck + 176m @ 51° Shel 5									dm	22 July 88		



LEGEND

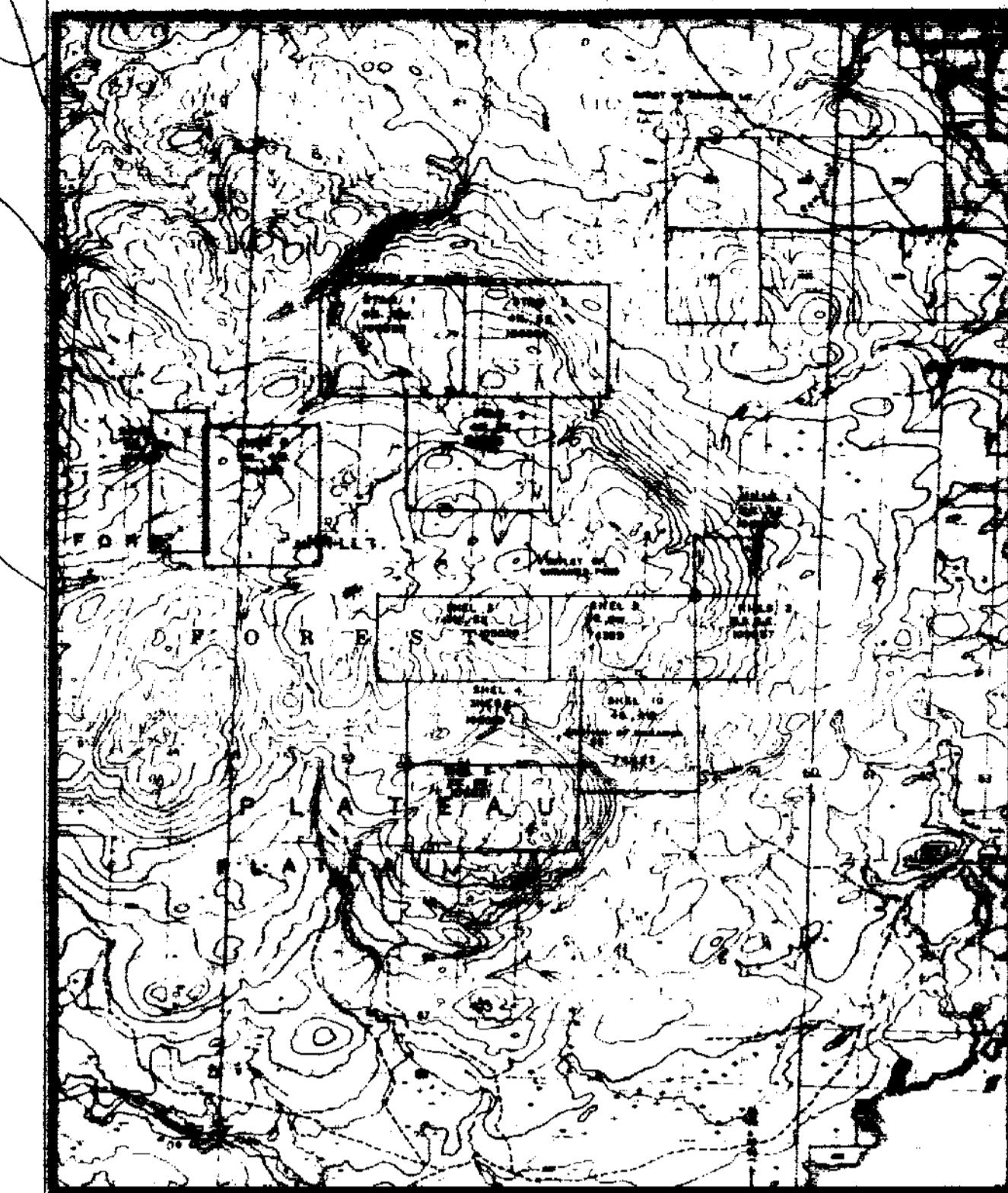
- ROCK TYPES:**
- | | |
|---|--|
| V₁ basalt | H₁ basaltic intrusive |
| V₂ andesite | H₂ andesitic intrusive |
| V₃ dacite | H₃ dacitic intrusive |
| V₄ rhyolite | H₄ rhyolitic intrusive |
| V₅ dacite to rhyolite | |
- P** gabbro
P₁ diorite
P₂ granodiorite, monzonite
P₃ granite, syenite
- ABBREVIATIONS:**
- | | |
|-----------------|------------------------|
| a altered | Ksp Potassium feldspar |
| c clay altered | Mn Manganese |
| bk Breccia | P porphyritic |
| cc Calcite | Py Pyrite |
| carb Carbonate | Qtz Quartz |
| Chl Chlorite | rusty rusty |
| D Tuff | Sr Sericite |
| bl Lapilli tuff | Ssl Slide |
| sp Spillite | X Unknown Mineral |
- SYMBOLS:**
- swamp
 - lake
 - claim post
 - clear-cut
 - blazed, flagged or cut line
 - logging road
 - gravel pit
 - quarry or rock pit
 - Outcrop: large, small
 - Rock sample location (bedrock)
 - Rock sample location (float)
 - strike and dip of bedding
 - strike and dip of contact
 - strike and dip to foliation or shearing
 - strike and dip of jointing
 - Geological contact, defined
 - Geological contact, inferred
 - Geological contact, assumed
 - Linear structure

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,804

SCALE 1:10,000

REVISED	SHELFORD - WHITESAIL	
	GEOLOGY AND ROCK SAMPLE LOCATIONS	
PROJ. No. 295	SURVEY BY: W.D., C.G., D.M.	DATE: Sept., 1988
NTS 93E/15	DRAWN BY: S.K.B.	SCALE: 1:10,000
DWG. No.	NORANDA EXPLORATION	
FIG. 3	OFFICE: PRINCE GEORGE, B.C.	



LEGEND

- Sandstone
- Siltstone
- Shale
- Sandstone to argillite
- Basaltic Intrusive
- Andesitic Intrusive
- Gabbroic Intrusive
- Dioritic Intrusive

- Magnetite
- Hematite
- Magnetite Hematite
- Magnetite Hematite
- Magnetite Hematite
- Magnetite Hematite
- Magnetite Hematite

- Fault
- Unconformity
- Fold
- Slump, Slipped or out line
- Trough zone
- Gravel pit
- Quarry or rock pit
- Outcrop: large, small
- High sample location (bedrock)
- Rock sample location (float)
- Strike and dip of bedding
- Strike and dip of contact
- Strike and dip to foliation or shearing
- Strike and dip of jointing
- Geological contact, defined
- Geological contact, inferred
- Geological contact, assumed
- Linear structure

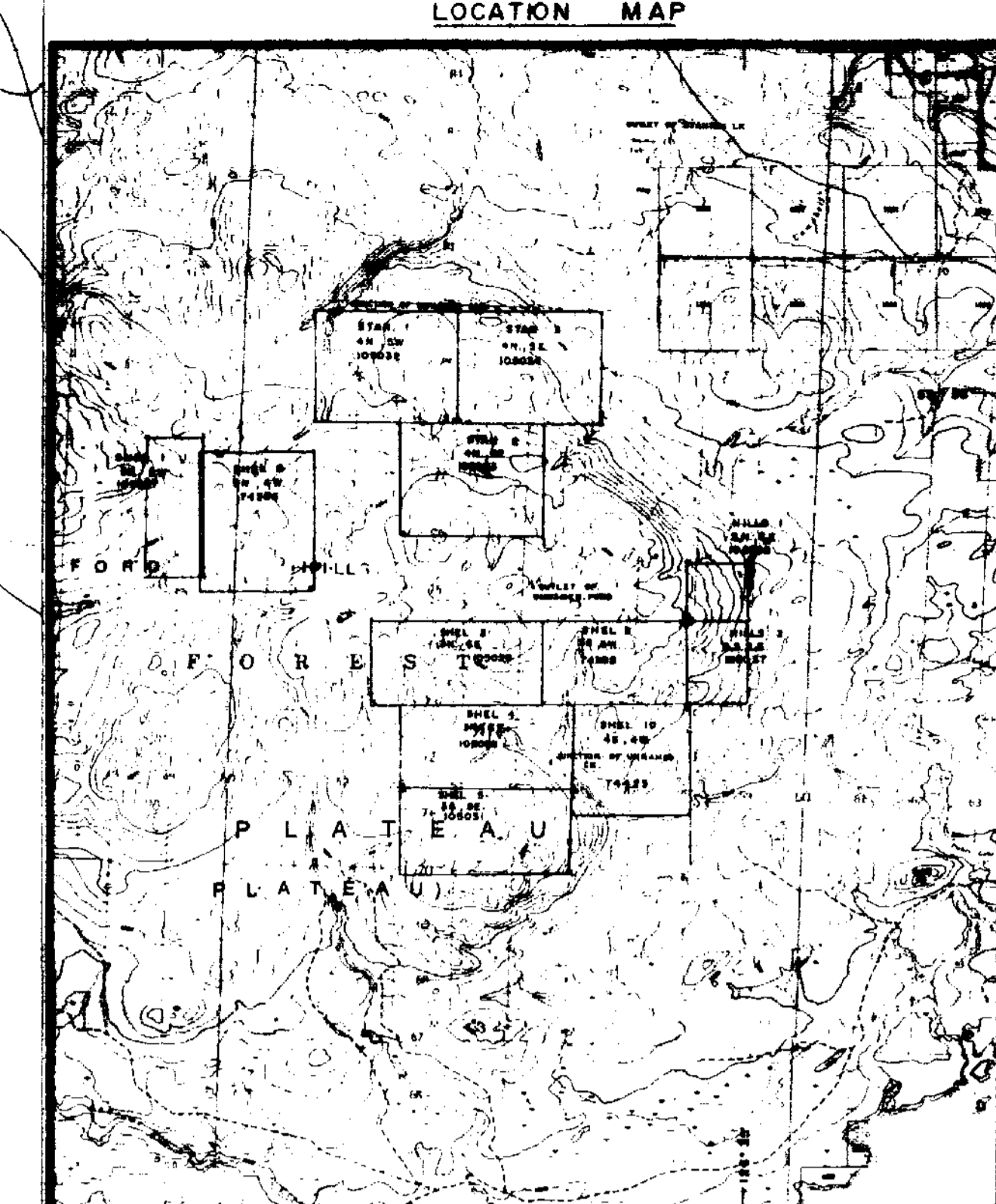
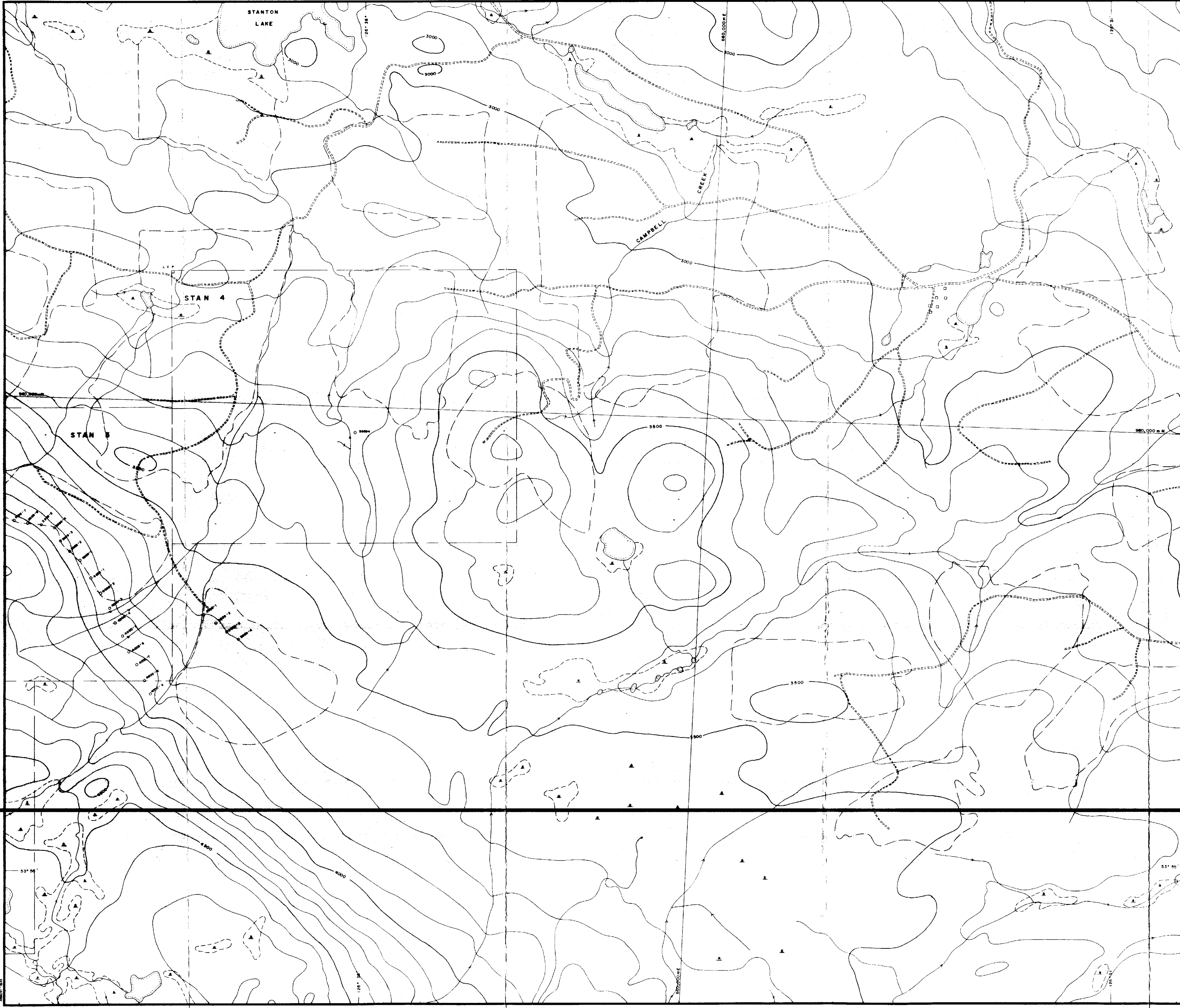
GEOLOGICAL BRANCH ASSESSMENT REPORTS

17,804

SHELFORD - WHITESAIL

GEOLOGY, ROCK AND FLOAT SAMPLE LOCATIONS

PROJ. No. 255 SURVEY BY: W.D., C.G., D.M. DATE: 5/97, 1988
 N.T.S. 836/15 DRAWN BY: S.M.B. SCALE: 1:10,000
 DWG. No. NORANDA EXPLORATION
 FIG. 12 OFFICE: PRINCE GEORGE, B.C.



LEGEND

- Soil Sample Location
- Soil Sample Anomaly Follow-up locality & sample no. (off and 10m N.S.E.W.)
- Dump Area
- Clear-cut Area
- Lake
- Logging Roads
- Common Soil Sample (1983)
- Claim post and claim boundary
- Blazed flogged, cut line
- Stream pit
- Quarry or rock pit

GEOLOGICAL BRANCH
ASSESSMENT REPORT

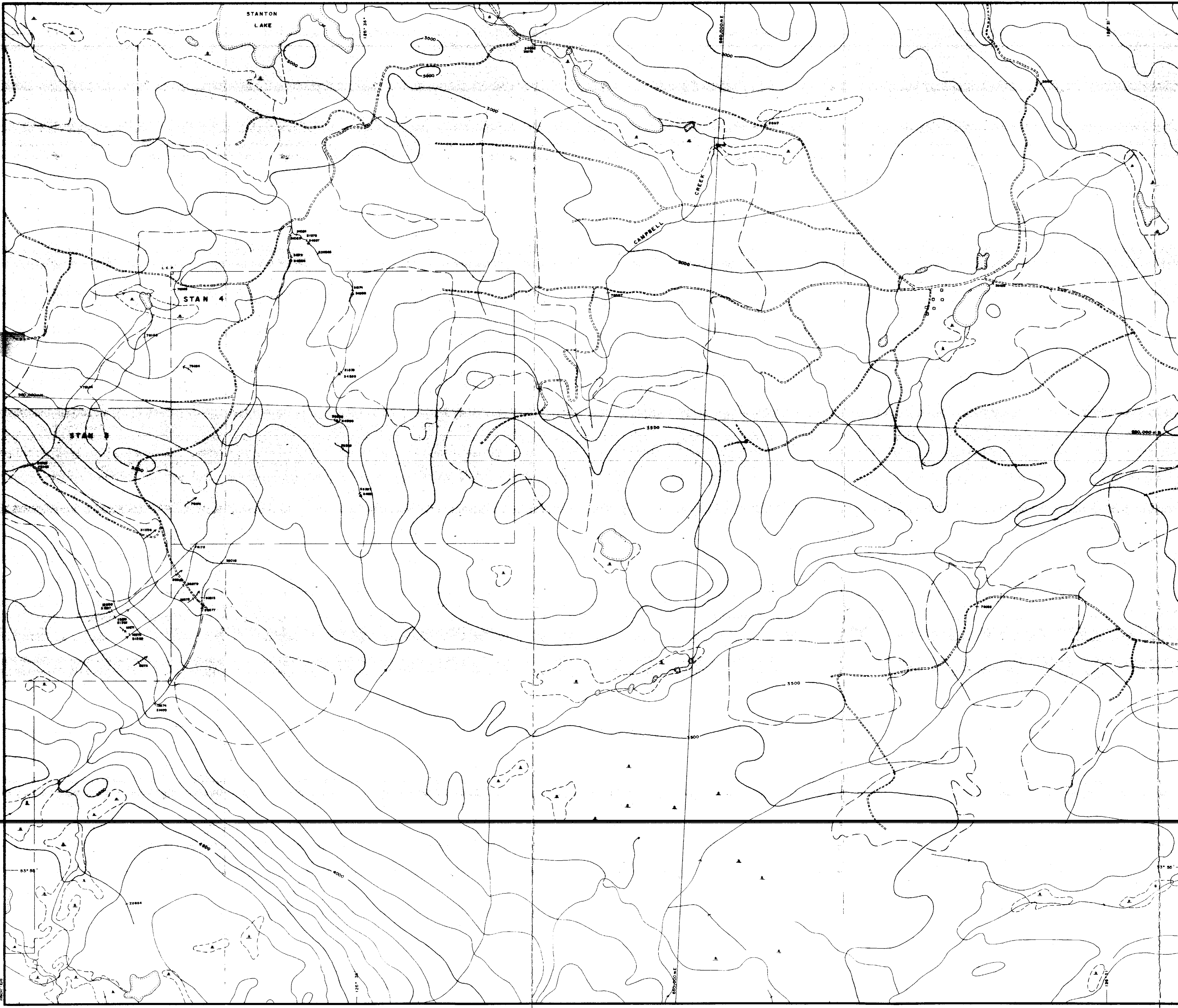
17-804

Map Sheet Index

3	4
2	1

0 500 1000 metres
SCALE 1:10,000

REVISED	SHELFORD - WHITESAIL	
	SOIL SAMPLE LOCATIONS	
PROJ. No. 255	SURVEY BY: W.D., C.G., D.M.	DATE: Sept., 1988
N.T.S. 93E/15	DRAWN BY: S.M.B.	SCALE: 1:10,000
DWG. No.	NORANDA EXPLORATION	
FIG. 13	OFFICE: PRINCE GEORGE, B.C.	



SCALE 1:10,000

LEGEND

- Silt Sample Location
- Silt Sample Location (Heavy Mineral)
- Swamp Area
- Clear-cut Area
- Lake
- Logging Road
- Clear-cut and claim boundary
- Shaded, Mapped, but Not
- Mineral pit
- Quarry or rock pit

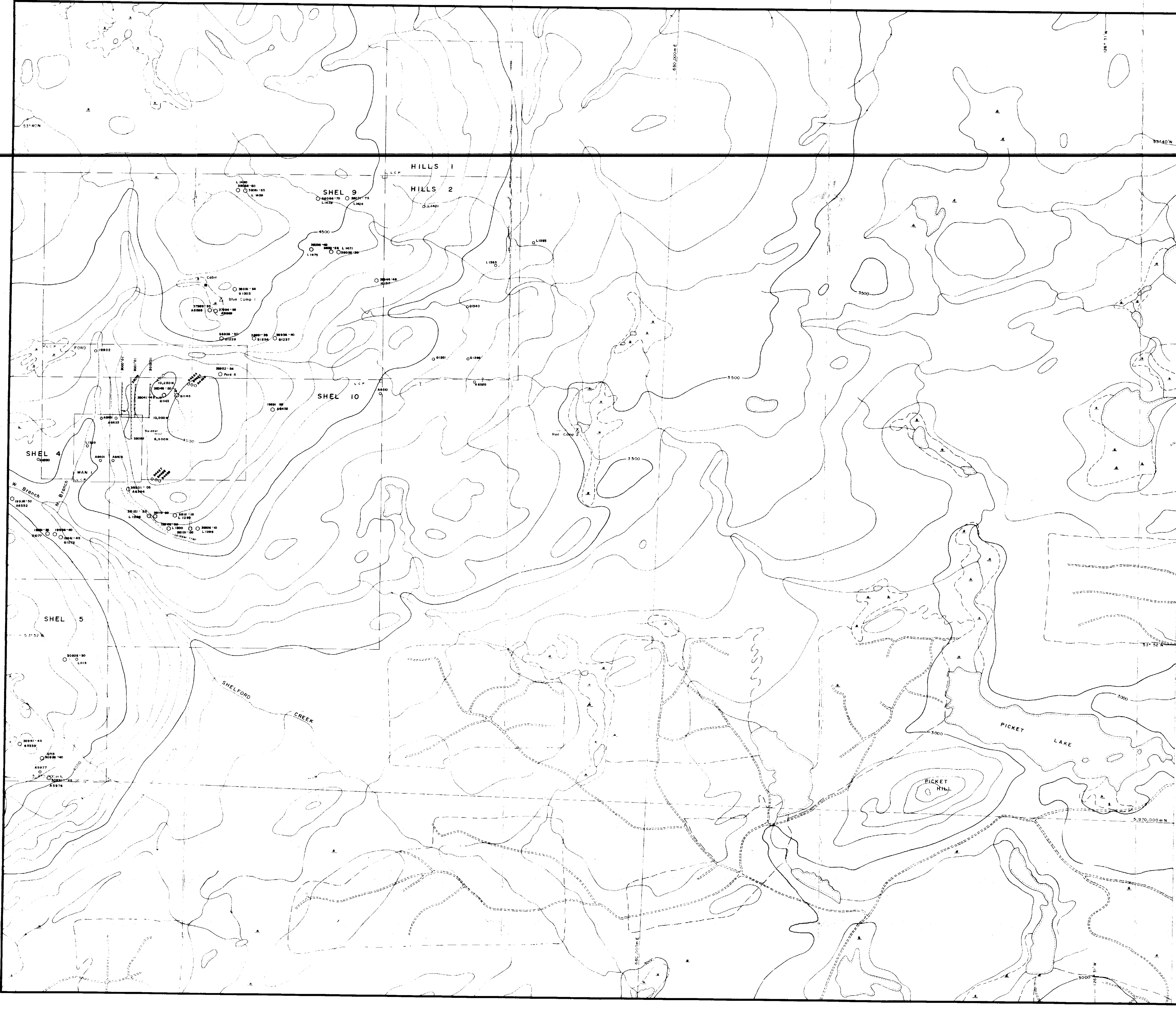
GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,804

3	2	1
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SCALE 1:10,000

REVISED	SHELFORD - WHITESAIL	
	SILT AND PAN SAMPLE LOCATIONS	
PROJ. No. 255	SURVEY BY: W.D., C.G., D.M.	DATE: Sept., 1988
N.T.S. 95E/13	DRAWN BY: S.M.B.	SCALE: 1:10,000
DWG. No.	NORANDA EXPLORATION	
FIG. 14	OFFICE: PRINCE GEORGE, B.C.	

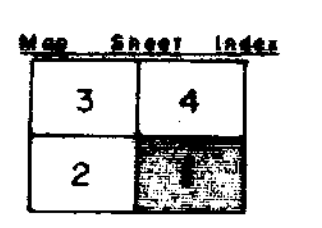


LEGEND

- Soil Sample Location
- Soil Sample Anomaly Follow-up (usually 5 samples one at site and 10m N, S, E, W.)
- Swamp Area
- Clear-cut Area
- Lake
- Logging Roads
- Claim post and claim boundary
- Blazed flagged, cut line
- Gravel pit
- Quarry or rock pit

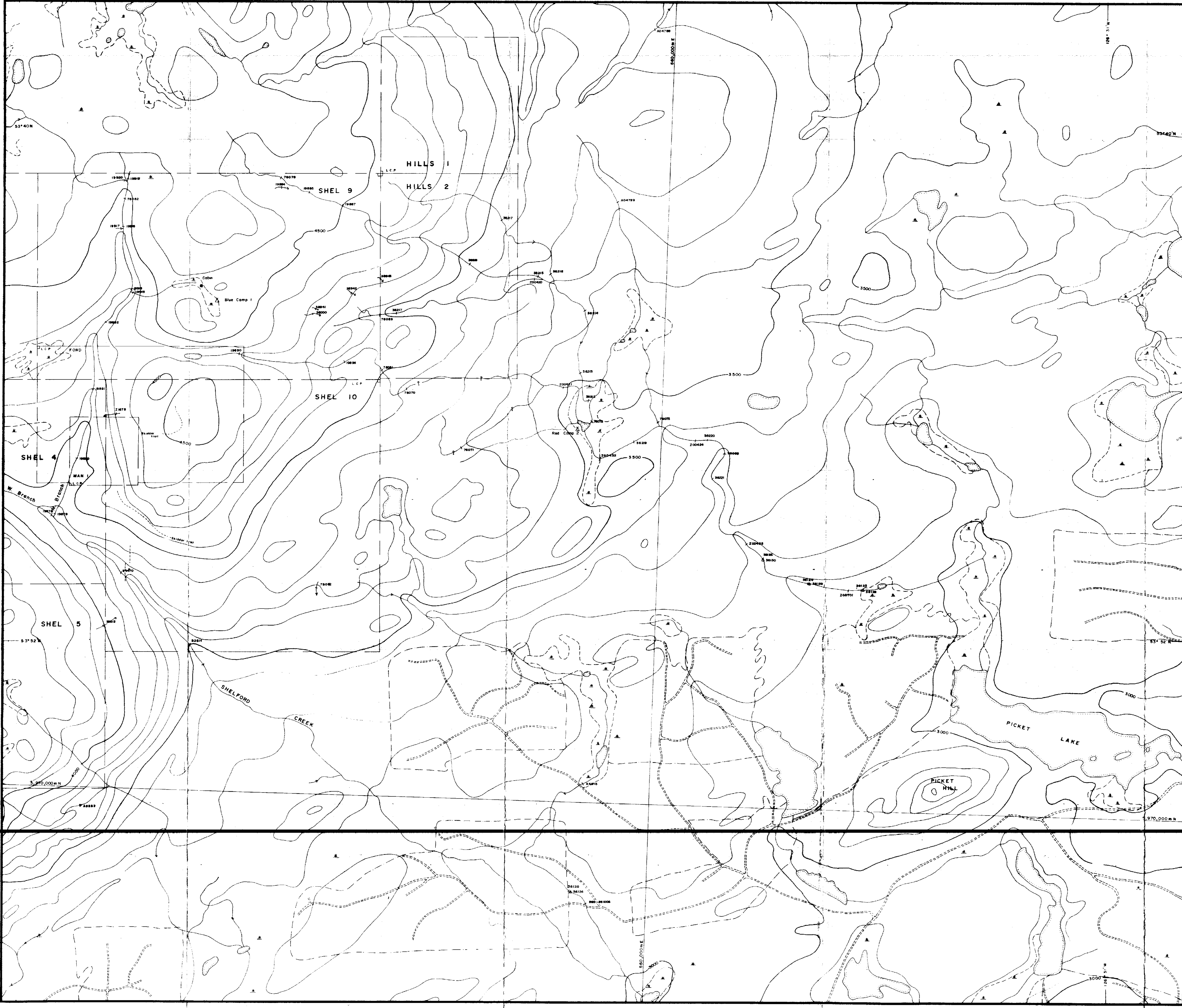
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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SCALE 1:10,000

REVISED	SHELFORD - WHITESAIL	
	SOIL SAMPLE LOCATIONS	
PROJ. No. 255	SURVEY BY: W.D., C.S., D.M.	DATE: Sept., 1988
N.T.S. 936/15	DRAWN BY: S.K.R.	SCALE: 1:10,000
DWG. No.	NORANDA EXPLORATION	
FIG. 4	OFFICE: PRINCE GEORGE, B.C.	



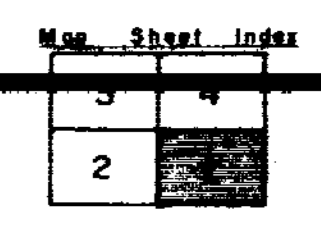
SCALE 1:50,000

LEGEND

- Silt Sample Location
- Silt Sample Location (Heavy Mineral)
- Swamp Area
- Clear-cut Area
- Lake
- Logging Roads
- Claim post and claim boundary
- Abandoned logging road line
- Aerial pit
- Quarry or road pit

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SCALE 1:10,000

REVISED	SHELFORD - WHITESAIL	
	SILT AND PAN SAMPLE LOCATIONS	
PROJ. No. 255	SURVEY BY: W.D. C.G. D.M.	DATE: Sept. 1, 1988
NTS 93E/15	DRAWN BY: S.H.B.	SCALE: 1:10,000
DWG. No.	NORANDA EXPLORATION	
FIG. 5	OFFICE: PRINCE GEORGE, B.C.	



LEGEND

- ROCK TYPES:**
- basalt
 - andesite
 - quartzite
 - rhyolite
 - diorite to rhyolite
 - gabbro
 - gneiss
 - amphibolite, amphibolite gneiss
 - granite, syenite
 - amphibolite intrusive
 - andesite intrusive
 - rhyolite intrusive

- ABBREVIATIONS:**
- altered
 - clay shales
 - calcite
 - chert
 - coal
 - copper
 - iron
 - lead
 - silver
 - zinc
 - uranium
 - petroleum potential
 - bituminous shale
 - lignite
 - peat
 - sandstone
 - siltstone
 - shale
 - slate
 - limestone
 - dolomite
 - quartzite
 - gneiss
 - amphibolite
 - granite
 - syenite

- SYMBOLS:**
- camp
 - lake
 - stream point
 - road
 - fence
 - stream, channel or cut side
 - logging road
 - power line
 - road, 100 ft wide
 - outcrop, large, small
 - rock sample location (handout)
 - rock sample location (float)
 - strike and dip of bedding
 - strike and dip of contact
 - strike and dip of foliation or shearing
 - strike and dip of jointing
 - geological contact, defined
 - geological contact, inferred
 - geological contact, assumed
 - linear structure

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SCALE: 1:10,000

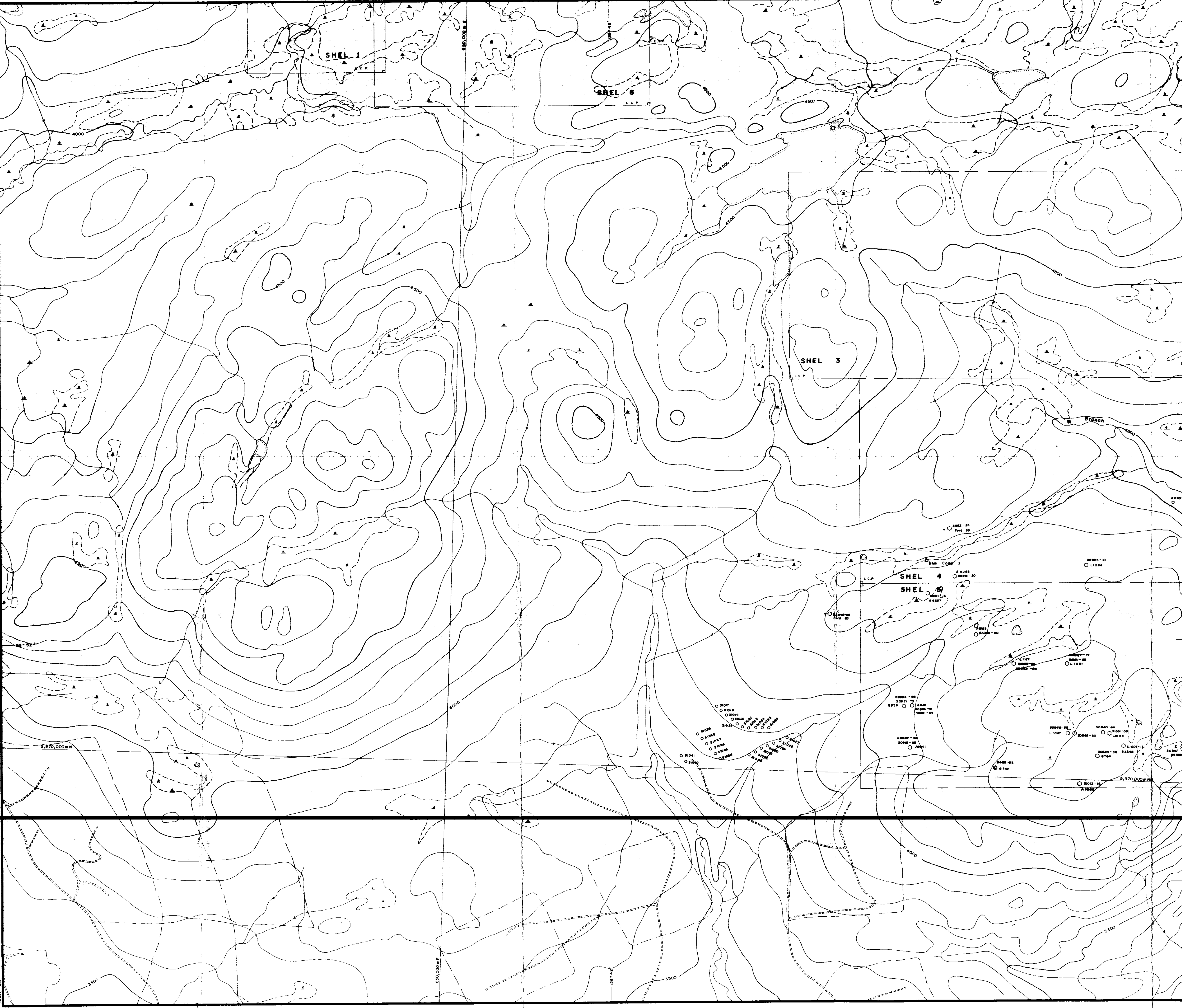
SHELFORD - WHITESAIL

GEOLOGY, ROCK AND FLOAT SAMPLE LOCATIONS

PROJ. No. 255 SURVEY BY: W.D.C.G., D.M. DATE: Sept., 1988
 N.T.S. 9.2E/15 DRAWN BY: S.K.R. SCALE: 1:10,000
 DWG. No.

NORANDA EXPLORATION

FIG. 6 OFFICE: PRINCE GEORGE, B.C.



SCALE 1:100,000

LEGEND

- Soil Sample Location
- Soil Sample Mosaic Follow-up (usually 5 samples one at site and 10m N, W, S, E)
- Swamp Area
- Clear-cut Area
- Lake
- Logging Roads
- 742 Common 1983 Soil Sample
- ⊕ Chain pole and chain boundary
- Bladed flanged, cut line
- Arroyo pit
- ▲ Quarry or rock pit

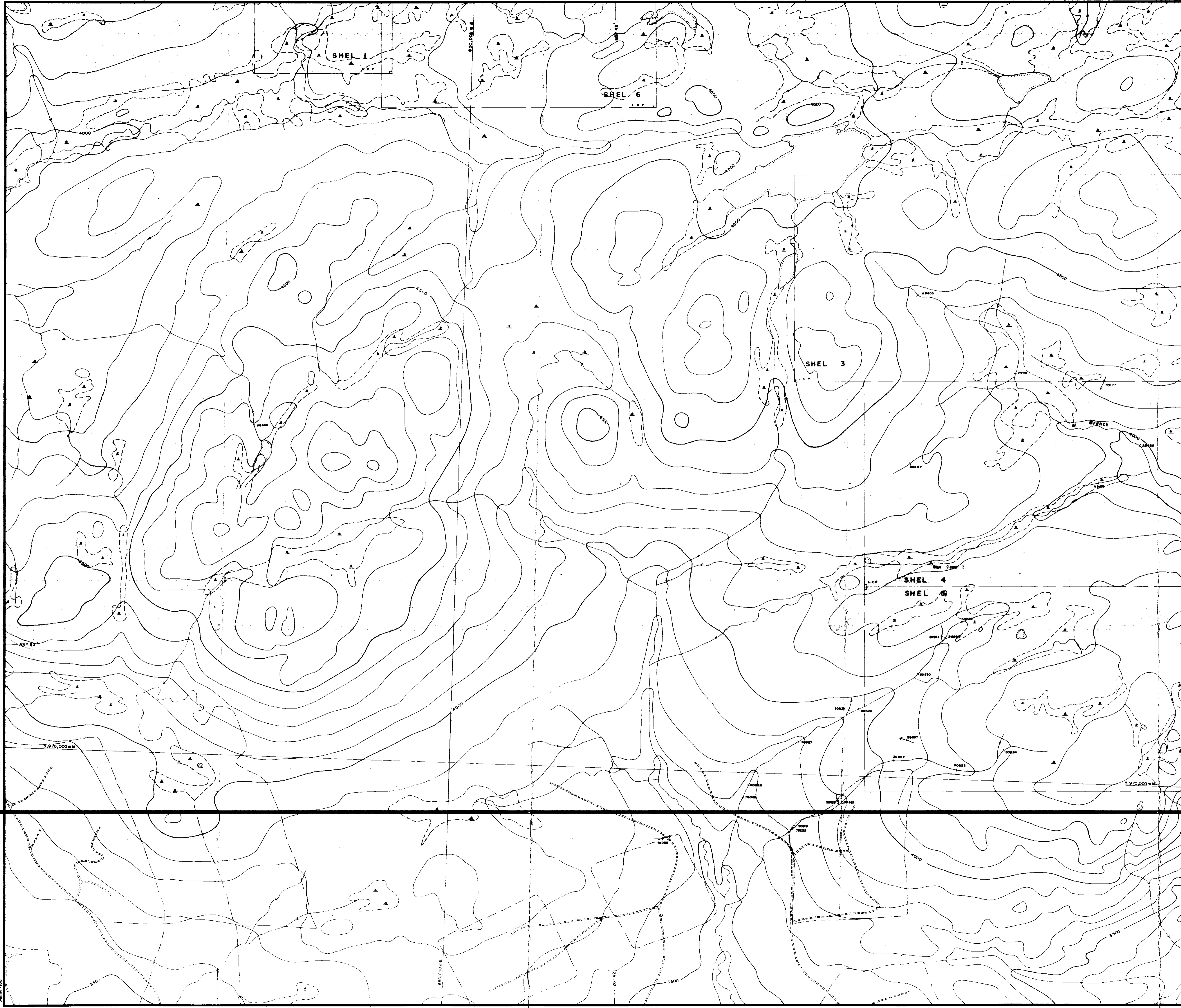
GEOLOGICAL BRANCH ASSESSMENT REPORT

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SCALE 1:10,000

REVISED	SHELFORD - WHITESAIL	
	SOIL SAMPLE LOCATIONS	
PROJ. No. 225	SURVEY BY: W.P., C.G., D.M.	DATE: Sept. 1988
N.T.S. 936/15	DRAWN BY: S.K.B.	SCALE: 1:10,000
DWG No.	NORANDA EXPLORATION	
FIG. 7	OFFICE: PRINCE GEORGE, B.C.	



SCALE 1:100,000

LEGEND

- Silt Sample Location
- Silt Sample Location (Heavy Mineral), pan
- Swamp Area
- Clear-cut Area
- Lake
- Logging Roads
- Claim post and claim boundary
- Blasted flagged, cut line
- Gravel pit
- Quarry or rock pit

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N.T.S. 93E/16	DRAWN BY: S.K.B.	SCALE: 1:10,000
DWG. No.	NORANDA EXPLORATION	
FIG. 8	OFFICE: PRINCE GEORGE, B.C.	



LEGEND

- ROCK TYPES:**
- | | |
|--------------------------------------|---------------------------------------|
| [V] basalt | [H ₁] basaltic intrusion |
| [V ₁] andesite | [H ₂] andesitic intrusive |
| [V ₂] dacite | [H ₃] dacitic intrusive |
| [V ₃] rhyolite | [H ₄] rhyolitic intrusive |
| [V ₄] dacite to rhyolite | |
- Other Rock Types:**
- [R] gabbro
 - [R₁] diorite
 - [R₂] gneiss, mica-schist, monzonite
 - [R₃] granite, syenite
- ABBREVIATIONS:**
- | | |
|------------------|---------------------------|
| [S] stream | [K] potassium feldspar |
| [L] low alluvial | [M] muscovite |
| [B] basalt | [P] porphyritic |
| [C] calcite | [Py] pyrite |
| [Ca] calcarenite | [Qtz] quartz |
| [Ch] chlorite | [S] sulfide |
| [T] tuff | [S ₁] sulfide |
| [L] Lapilli tuff | [S ₂] sulfide |
| [Sp] spate | [X] unknown mineral |

- SYMBOLS:**
- [Swamp symbol] swamp
 - [Lake symbol] lake
 - [Claim post symbol] claim post
 - [Clear-cut symbol] clear-cut
 - [Blazed, flagged or cut line symbol] blazed, flagged or cut line
 - [Logging road symbol] logging road
 - [Gravel pit symbol] gravel pit
 - [Quarry or rock pit symbol] quarry or rock pit
 - [Outcrop: large, small symbol] outcrop: large, small
 - [Rock sample location (bedrock) symbol] rock sample location (bedrock)
 - [Rock sample location (float) symbol] rock sample location (float)
 - [Strike and dip of bedding symbol] strike and dip of bedding
 - [Strike and dip of contact symbol] strike and dip of contact
 - [Strike and dip to foliation or shearing symbol] strike and dip to foliation or shearing
 - [Strike and dip of jointing symbol] strike and dip of jointing
 - [Geological contact, defined symbol] geological contact, defined
 - [Geological contact, inferred symbol] geological contact, inferred
 - [Geological contact, assumed symbol] geological contact, assumed
 - [Linear structure symbol] linear structure

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SCALE 1:10,000

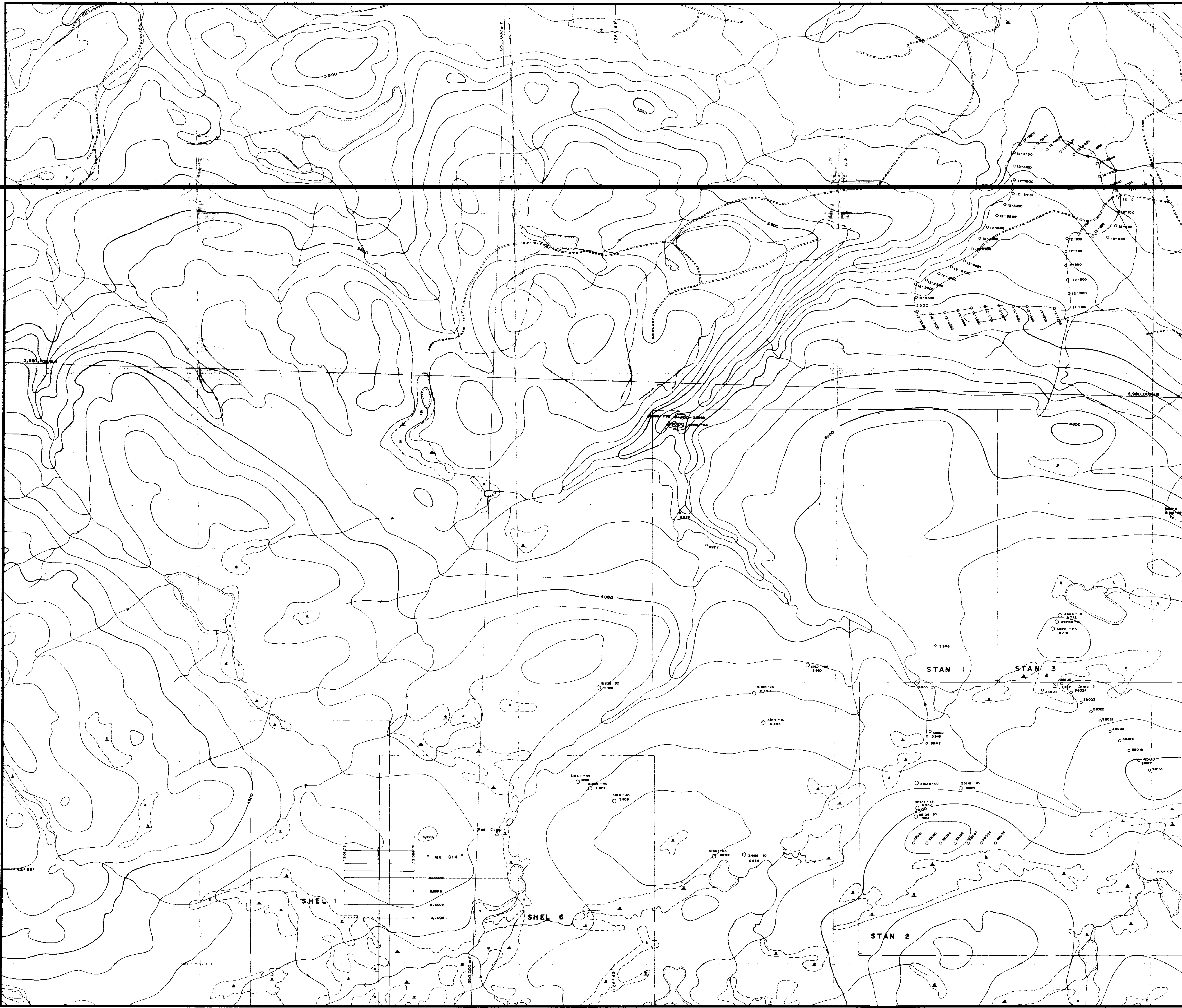
REVISED SHELFORD - WHITESAIL

GEOLOGY, ROCK AND FLOAT
SAMPLE LOCATIONS

PROJ. No. 258 SURVEY BY: W.D., C.B., D.M. DATE: Sept., 1968

DWG. No. 11533E/7 DRAWN BY: S.A.B. SCALE: 1:10,000

FIG. 9 NORANDA EXPLORATION OFFICE: PRINCE GEORGE, B.C.



LEGEND

- Soil Sample Location
- Soil Sample Assembly Follow-up (usually 5 samples one at site and 4 in N,S,E,W)
- Swamp Area
- Clear-cut Area
- Lake
- Logging Roads
- Conomax Soil Samples (1983)
- Stem post and stem boundary
- Blazed flagged, cut line
- ⊗ Stavel pit
- ▲ Quarry or rock pit

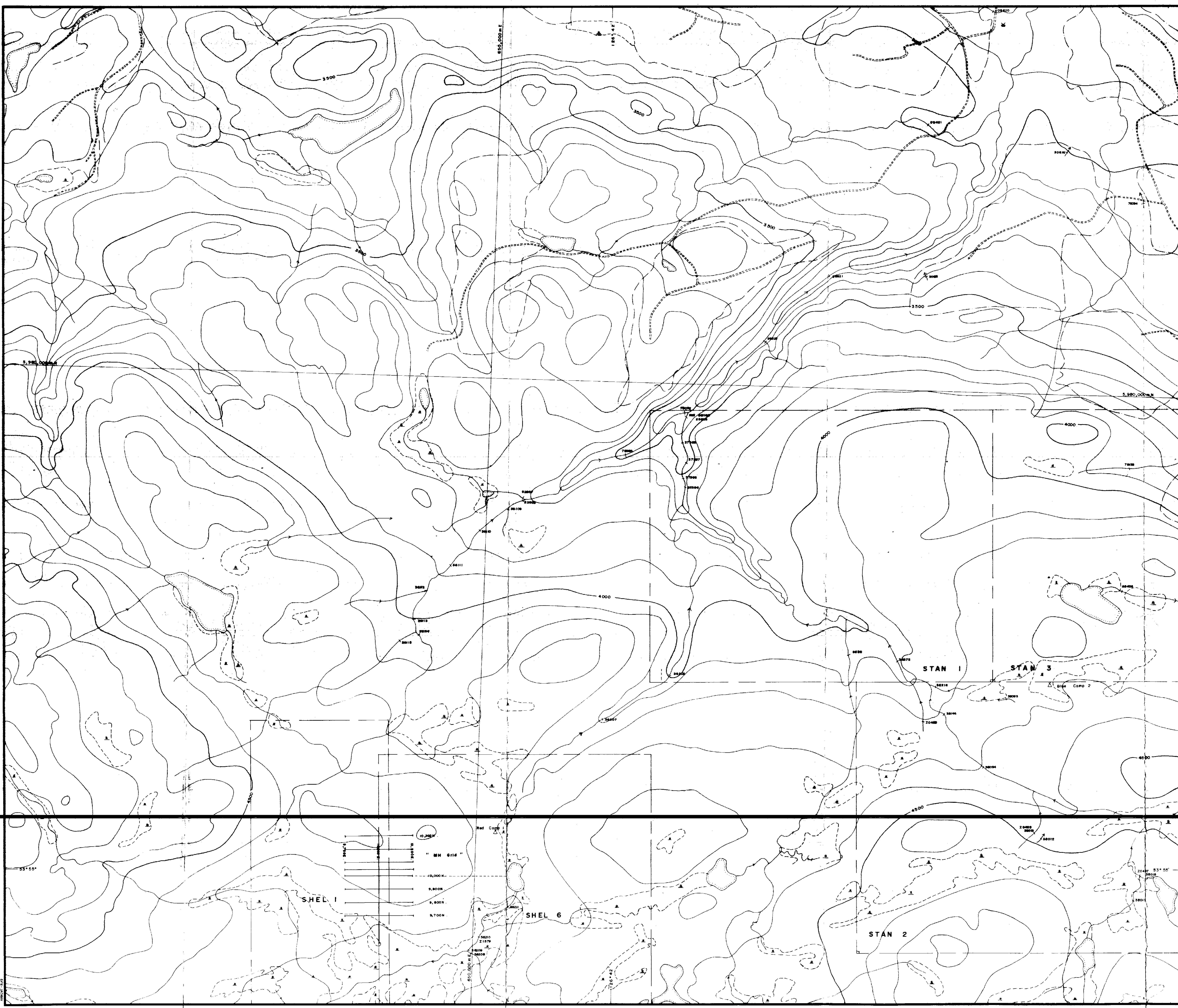
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REVISED	SHELFORD - WHITESAIL
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PROJ. No. 228	SURVEY BY: W.D., C.B., D.M. DATE: Sept. 1988
NTS 1:25,000	DRAWN BY: S.R.B. SCALE: 1:10,000
DWG. No.	NORANDA EXPLORATION
FIG. 10	OFFICE: PRINCE GEORGE, B.C.



LEGEND

- Silt Sample Location
- Silt Sample Location (Heavy Mineral)
- Swamp Area
- Clear-out Area
- Lake
- Logging Roads
- Old Noranda Silt Sample Location
- Regional Geochemical Survey (Feeder/B.C.) Silt Sample Location
- Claim post and claim boundary
- Blazed flagged, cut line
- Arroyo pit
- Quarry or rock pit

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SCALE 1:10,000

REVISED	SHELFORD - WHITESAIL	
	SILT AND PAN SAMPLE LOCATIONS	
PROJ. No. 228	SURVEY BY: W.D., C.G., D.M.	DATE: Sept. 1988
N.T.S. 9/85/85	DRAWN BY: S.K.R.	SCALE: 1:10,000
DWG. No.	NORANDA EXPLORATION	
FIG. 11	OFFICE: PRINCE GEORGE, B.C.	