MAP No. 105 B 3	ASSESSMENT REPORT [X] N. M. E. A. P. [ ] CONFIDENTIAL [X] OPEN FILE [ ]	**TYPE OF WORK:**	GEOLOGY GEOCHEMISTRY TRENCHING

REPORT FILED UNDER	NORANDA EXPLORATION CO. LTD. — DOCUMENT NO. **091798**
DATE PERFORMED	1985 — DATE FILED: APRIL 11, 1986
LOCATION – LAT.	$60^{o}03'N$ — AREA: SEAGULL CREEK
LONG.	$131^{o}05'W$
CLAIM NO.	CEA: 1-72
VALUE $	
WORK DONE BY	W. REID
WORK DONE FOR	NORANDA EXPLORATION CO. LTD.
REMARKS	

131-CEA

091798

091798

GEOLOGY, GEOCHEMISTRY AND TRENCHING

1985 ASSESSMENT REPORT

on the

CEA 1-72 CLAIMS

Seagull Creek Property

091798

Watson Lake Mining District

N.T.S. 105 B/3

Latitude 60°03'N

Longitude 131°05'W

OFFICE OF THE REGIONAL MANAGER
MINERAL RIGHTS
APR 1 1986
WHITEHORSE
YUKON TERRITORY

RECEIVED
MINING RECORDER
WATSON LAKE, Y.T.
I.A. & N.D.

Author: Wayne Reid

Owner: Noranda Exploration Company, Limited
(No Personal Liability)

Date: February, 1986

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 13,200.

Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

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CHAPTER ONE: INTRODUCTION

1-1: GENERAL STATEMENT

Exploration on the CEA 1-72 claims during 1985 consisted of detailed soil geochemistry and geology on specific target areas to try to locate the source of anomalous silt results obtained in previous years. A number of soil anomalies were located and hand and blast trenched in September, 1985 to try to pinpoint a bedrock source for the anomalies. This report describes the results of these surveys.

1-2: LOCATION and ACCESS

The CEA 1 to 60 claims are located approximately 3 kilometres north of Kilometre Post 1174 on the Alaska Highway. It is seven kilometres northeast of the town of Swift River on N.T.S. 105 B/3 at latitude 60°03'N and longitude 131°05'W (Figures 1 and 2).

The area shows gentle to moderate relief with well glaciated rounded hills having a maximum height of 1400 metres above sea level. Some years ago a large forest fire swept over the area leaving only patches of mature timber with the remaining areas being barren or covered with thick growths of alders and young fir trees.

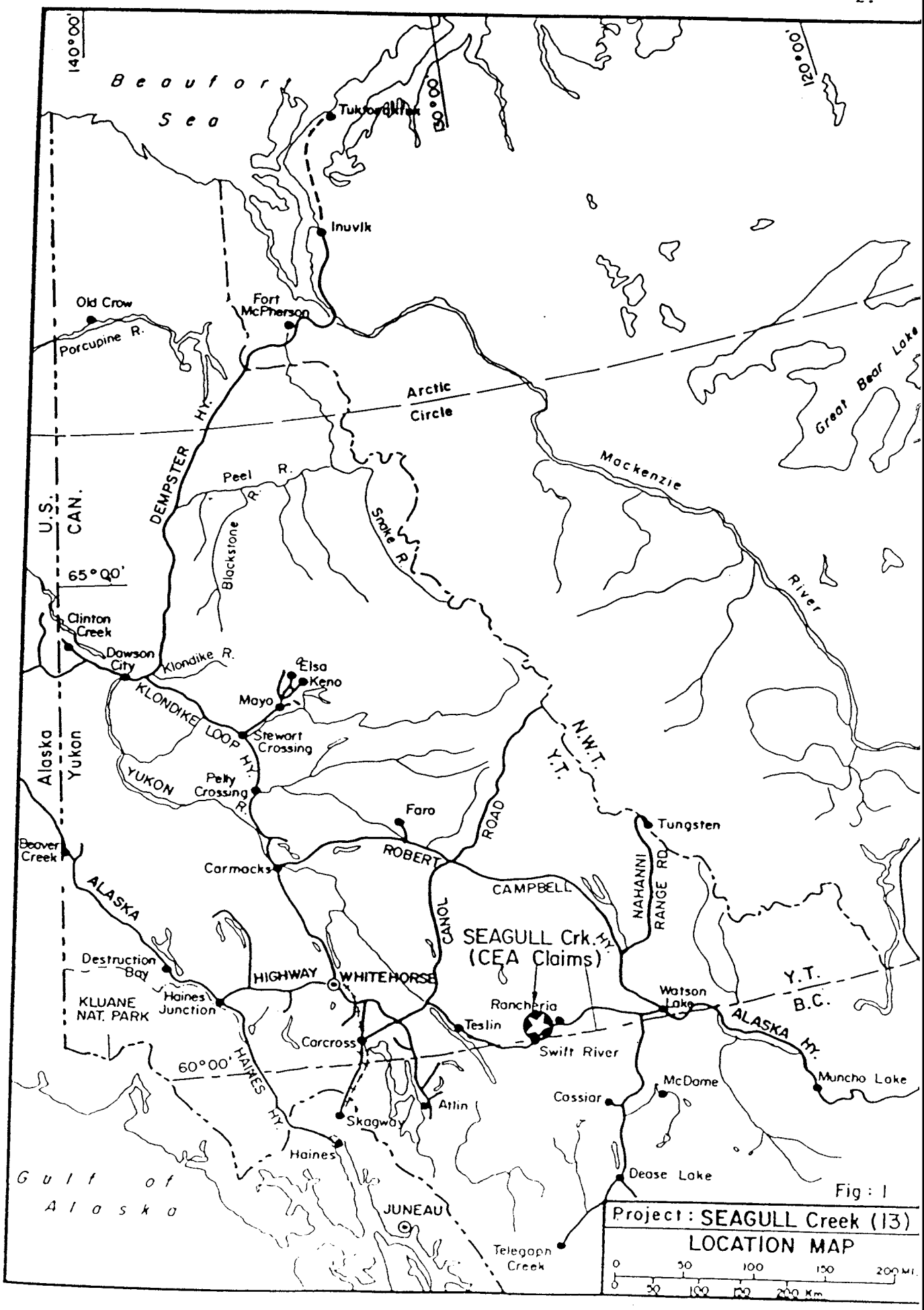


Fig : 1

Project : SEAGULL Creek (13)

LOCATION MAP

0 50 100 150 200 Mi.

0 50 100 150 200 Km

VANCAL 11926

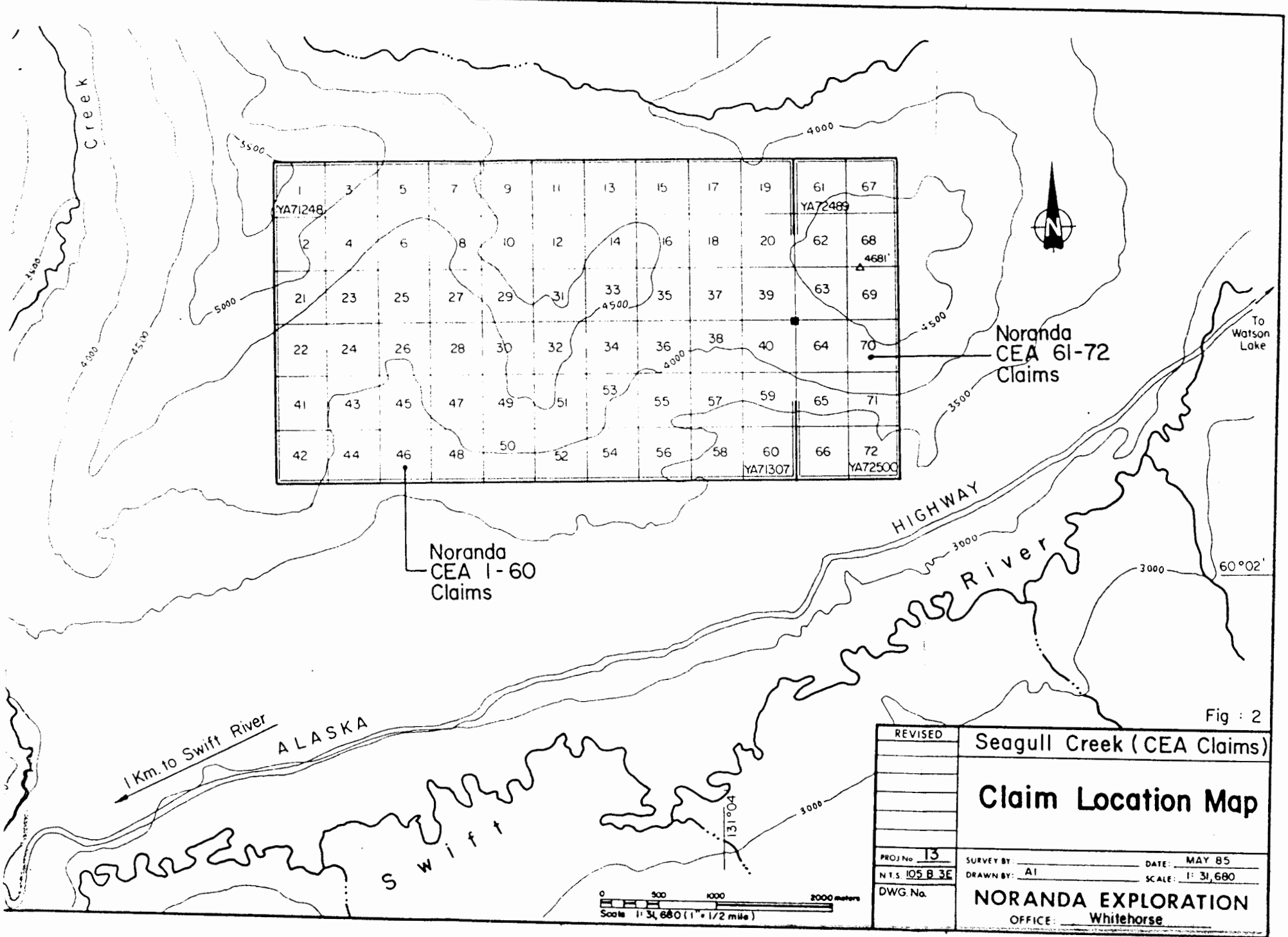


Fig : 2

REVISED	Seagull Creek (CEA Claims)
	Claim Location Map
PROJ No. 13	SURVEY BY: ____ DATE: MAY 85
N.T.S. 105 B 3E	DRAWN BY: AI SCALE: 1: 31,680
DWG. No.	NORANDA EXPLORATION
	OFFICE: Whitehorse

3.

Access is either via helicopter or by foot from the Alaska Highway. During this program helicopter was used only to mobilize the blast trenching crew camp.

1-3: CLAIM STATUS

The CEA 1-60 claims were staked in June, 1984 and recorded on July 11, 1984. An additional 12 claims (CEA 61-72) were staked to the east of the original claims in October, 1985. The original 60 claims will be in good standing until July 11, 1988 and the CEA 61-72 claims until November 1, 1986 upon acceptance of this report.

CLAIM NAME	GRANT NO.	RECORD DATE	DUE DATE
CEA 1-60	YA71248-YA71307	July 11, 1984	July 11, 1988
CEA 61-72	YA72489-YA72500	Nov. 1, 1984	Nov. 1, 1986

1-4: PREVIOUS WORK

Work in this area has been very limited during the last few years because it was within the original Alaska Gas Pipeline corridor and thus no staking was allowed. The staking ban was lifted in June 1984 and Noranda staked it immediately. The area was stream sampled by the G.S.C. in 1978 while the pipeline corridor freeze was in effect. A number of silt anomalies were located, including 6300 ppm Ba and 1.6 ppm Ag. Subsequent sampling by Noranda in 1983 delineated the anomalies more completely and it

was decided to stake the CEA 1-60 claims when the ground came open. Work commenced on these claims in July, 1984 and the results of these initial surveys are described in the 1984 assessment report.

Geological mapping in the area includes G.S.C. map 10-1960 by Poole et al and a more detailed study by J.C. Abbott of D.I.A.N.D. in 1980.

Although this area has received little attention, further west on the southwest side of the Seagull Batholith a number of deposits of Sn, W and Ag have been defined in several geological environments. These include Logjam Ag, Logtung W and numerous Sn skarn deposits.

1-5: 1985 WORK PROGRAM

The 1985 work program was carried out in two stages. The first stage (target delineation), consisting of grid establishment, soil sampling and geological mapping, was completed in June. The second stage (target testing), consisting of blast trenching and detailed prospecting, was carried out three months later.

One main grid and three mini grids were established on the claims. The main grid, located on the eastern part of the claims, consists of 13.8 km of chained and flagged lines and a total of 475 soil samples were taken on this grid. The three mini grids consist of one to five short lines and a total of 80 soils were taken on these. Only the main grid was geologically mapped in detail. See Figure 3 for grid locations.

CHAPTER TWO: GEOLOGY

2-1: REGIONAL GEOLOGY

The regional geological setting of the claims is described in the 1984 assessment report. The following description is taken from that report:

"The CEA claims are underlain by Carboniferous sedimentary rocks within the Yukon Cataclastic Complex. This complex is exposed within a broad (30 kilometres wide) northwest trending synform defined by foliation and lithological units (Abbott, 1980).

The bulk of the Cataclastic rocks consist of clastic sedimentary rocks varying from pebble conglomerates, quartzite and grit to argillites, cherts and graphitic schists. The degree of deformation is variable from almost non-existent to phyllite and schist, often depending on the original rock type.

Thin to moderately thick carbonate units are intercalated with the clastic rocks however these are often lensoid and are not traceable over large distances, as is the case for all layered rock types in this area.

The northwest trending Cretaceous Seagull Batholith intrudes the central part of the Cataclastic Complex and is approximately 45 kilometres by 12 kilometres. The intrusion ranges from biotite granite to quartz monzonite. The northwest portion of the granite has a porphyritic texture and contains roof pendants which generally cap hilltops suggesting that the intrusion is barely unroofed (Abbott, 1980). Further southeast, the

intrusion is more equigranular and lacking the roof pendants.

Other smaller mafic intrusions are probably Jurassic in age and are located mainly southwest of the Seagull Batholith where it consists of multiple phases including pyroxenite-serpentinite and gabbro-diorite to monzonite-syenite."

2-2: GRID GEOLOGY

Only Grid No. 1 (Main grid) was mapped in detail. The results of this survey are presented on Figure 4. In general, the grid is underlain by two main rock types: a resistant weathering chert to the east, and a recessive weathering phyllite and related foliated rocks to the west.

The chert unit (Unit 4) consists of massive to foliated, light to dark grey chert, stretched chert pebble conglomerate and micro-breccia. The unit often appears cataclastic in texture. A later open folding with a northwest trending structural feature is shown by jointing and northwest plunging (20°) fold axis. A more argillaceous, dark grey to black chert (Unit 3) is often found near the outer edges or interlayered with Unit 4.

Structurally underlying the chert unit to the west is a well foliated, fine-grained unit consisting of grey, micaceous schist to a variably chloritic to sericitic phyllite (Unit 1) with lesser, well foliated arkosic grit (Unit 2). Remnant bedding is often seen in the chloritic phyllite and crosscuts the foliation at variable angles.

The contact between the two main rock types appears to be a gently dipping thrust contact, however in map pattern it is quite irregular due to cross faulting and elevation changes.

Quartz veining is quite common in all rock types with the wider veins (up to 0.5 metres) following the northwest axial planer trends. Also minor thin (1 metre), steeply dipping mafic dykes cut the stratigraphy. These dykes are post deformations and can be followed for hundreds of metres striking in a northwest-southeast direction.

CHAPTER THREE: SOIL GEOCHEMISTRY

A total of 555 soil samples were taken from the grids, the bulk of which were from Grid No. 1. Soil development on the claims varies from good on the higher ground to poor in the organic rich linear depressions which are common on the main Grid No. 1. The main soil type sought was a brown, B horizon sample, however if this was not present, the only alternative, organic rich clay, was taken. The samples were dried and sent to Noranda's Vancouver lab for Cu, Pb, Zn, Ag, A, Ba and some Au analysis. All results are plotted on the accompanying maps.

Grid No. 1 (Figures 5, 6 and 7)

This grid produced numerous multi-element soil anomalies that can be divided into three main types:

a) linear Cu-Ag-Zn anomalies with values up to 230 ppm Cu, 5.4 ppm Ag and 1,200 ppm Zn. These anomalies are quite narrow and follow linear organic rich depressions. These anomalies are strongest on the north and south parts of the grid.

b) more isolated As anomalies up to 310 ppm and located in good B horizon soils, are generally localized in the central part of the grid (i.e. between L-9500N and L-10000N). An isolated 370 ppb Au is also located in this area but does not correlate with any other anomalous elements. Rechecking of the locations gave negative results.

c) Greater than 10,000 ppm Ba with some Ag (up to 2.4 ppm) and Pb (up to 600 ppm) occur in the north half of the grid.

A total of eight trench sites (blast and hand dug) were located to test the best of these soil anomalies. The results of this survey will be described in a subsequent chapter.

Grid No. 2

This grid consists of two short north-south lines located on the claim groups central dome where prospecting in 1984 located glacial float of flaggy, light grey baritic siltstone assaying up to 34% Ba. Results of this survey, presented on Figures 8, 9 and 10, were not anomalous although slightly elevated in Ba (up to 4,000 ppm).

Grid No. 3

This grid consists of five east-west lines located northeast of a gently dipping limestone hill. This grid was located to follow up anomalous silts located in 1984. A 200 metre long Pb (up to 370 ppm), Ag (up to 2.4 ppm) and As (up to 130 ppm) soil anomaly is located along the flanks of this limestone knoll. Prospecting in the area resulted in one area of Mn stained, foliated argillite, 200 metres southeast of the grid which analyzed 440 ppm Pb and 4.0 ppm Ag. No other work has been done here. See Figures 11, 12 and 13 for results.

Grid No. 4

This grid consists of one soil line and is located on the south flank of a heavily quartz-veined quartzite just south of the claims. A total of ten soils were taken (Figures 14, 15 and 16) and showed a slight elevation

of Cu (100 ppm), Pb (44 ppm) and As (56 ppm) in one sample. The quartz stockwork area was heavily prospected and the results of these samples are included in Appendix A. Results were not encouraging.

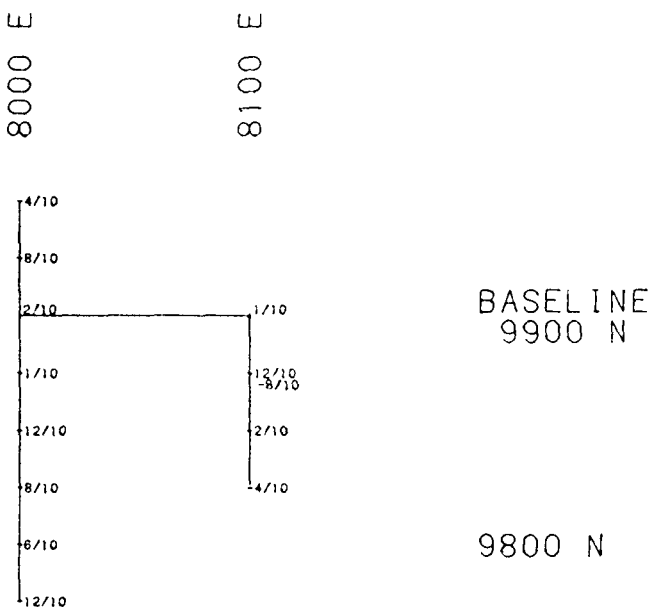


Fig. 8

	SEAGULL GREEK (CEA CLAIMS)
	GRID No. 2 AS IN PPM. AU IN PPB.
PROJ. # 850313 DWG. NO.	NORANDA EXPLORATION

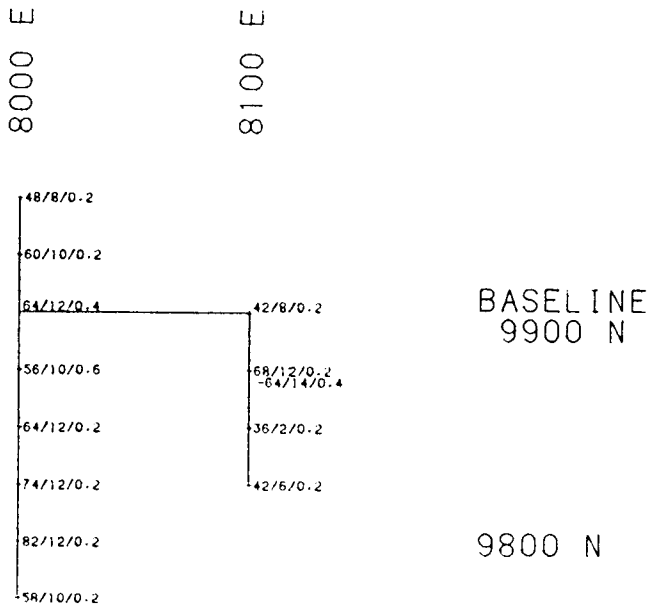


Fig. 9

SEAGULL CREEK (CEA CLAIMS)

GRID No. 2
ZN.PB.AG IN PPM.

NORANDA EXPLORATION

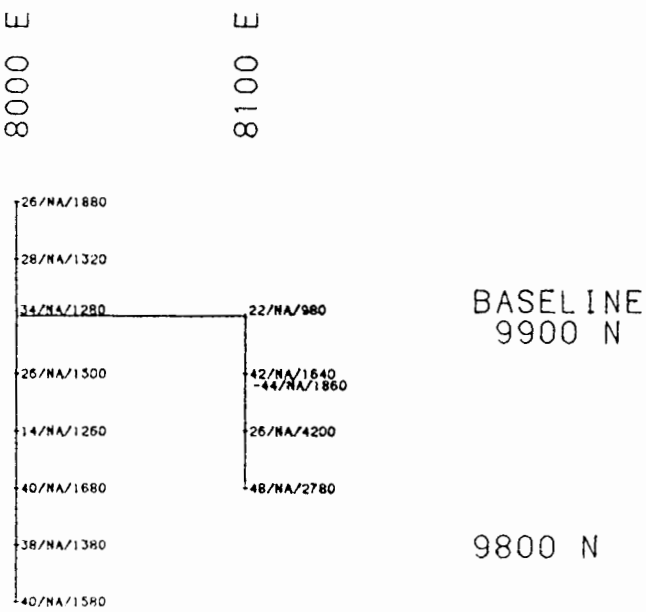


Fig. 10

SEAGULL CREEK (CEA CLAIMS)

GRID No. 2
CU.MO.BA IN PPM.

PROJ. NO. 850313
SURVEY BY: J.R.
DRAWN BY: FDP/TAM
DATE: MARCH 13, 1986.
SCALE: 1:2500
DWG. NO.

NORANDA EXPLORATION
OFFICE: WHITEHORSE

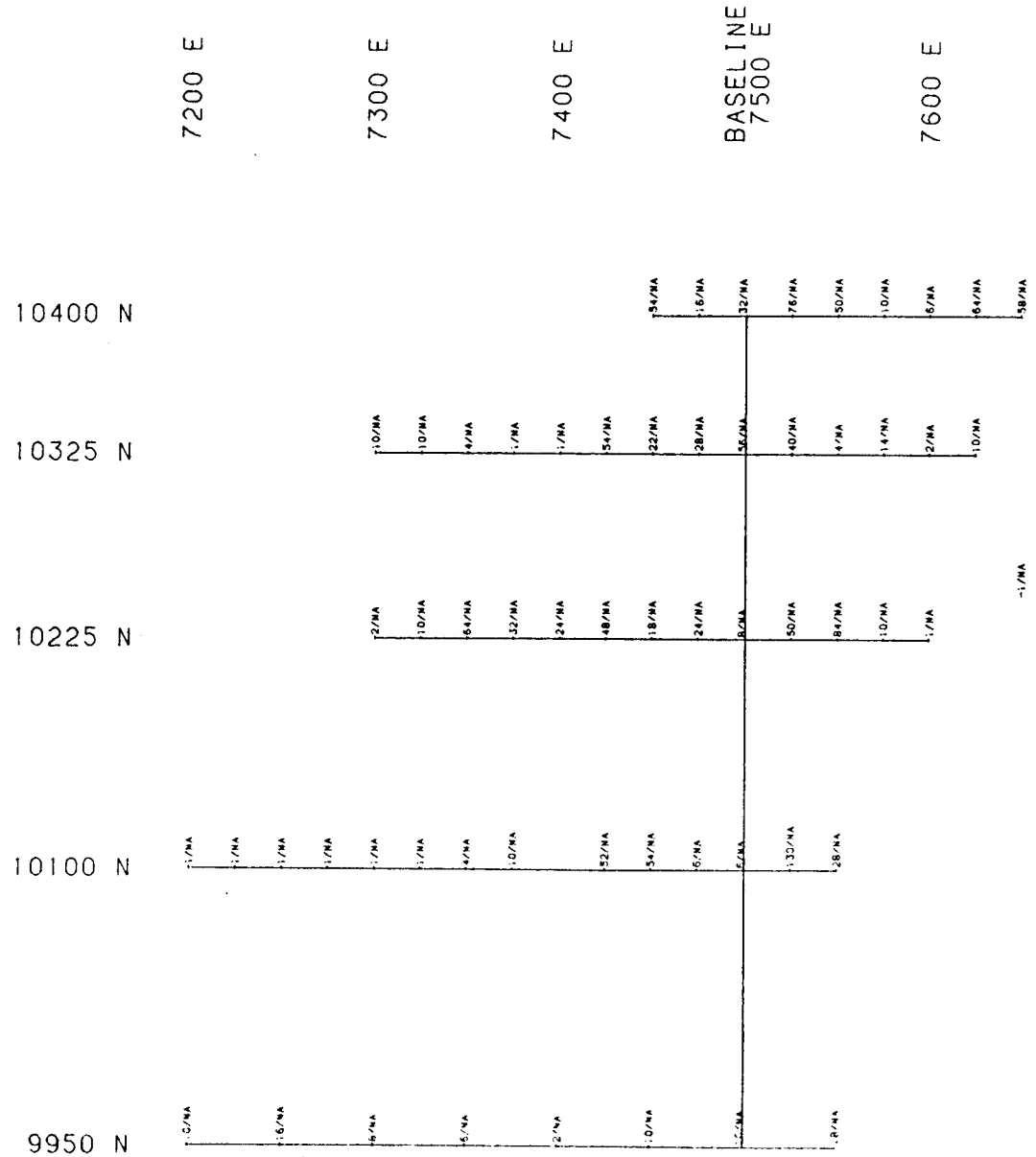
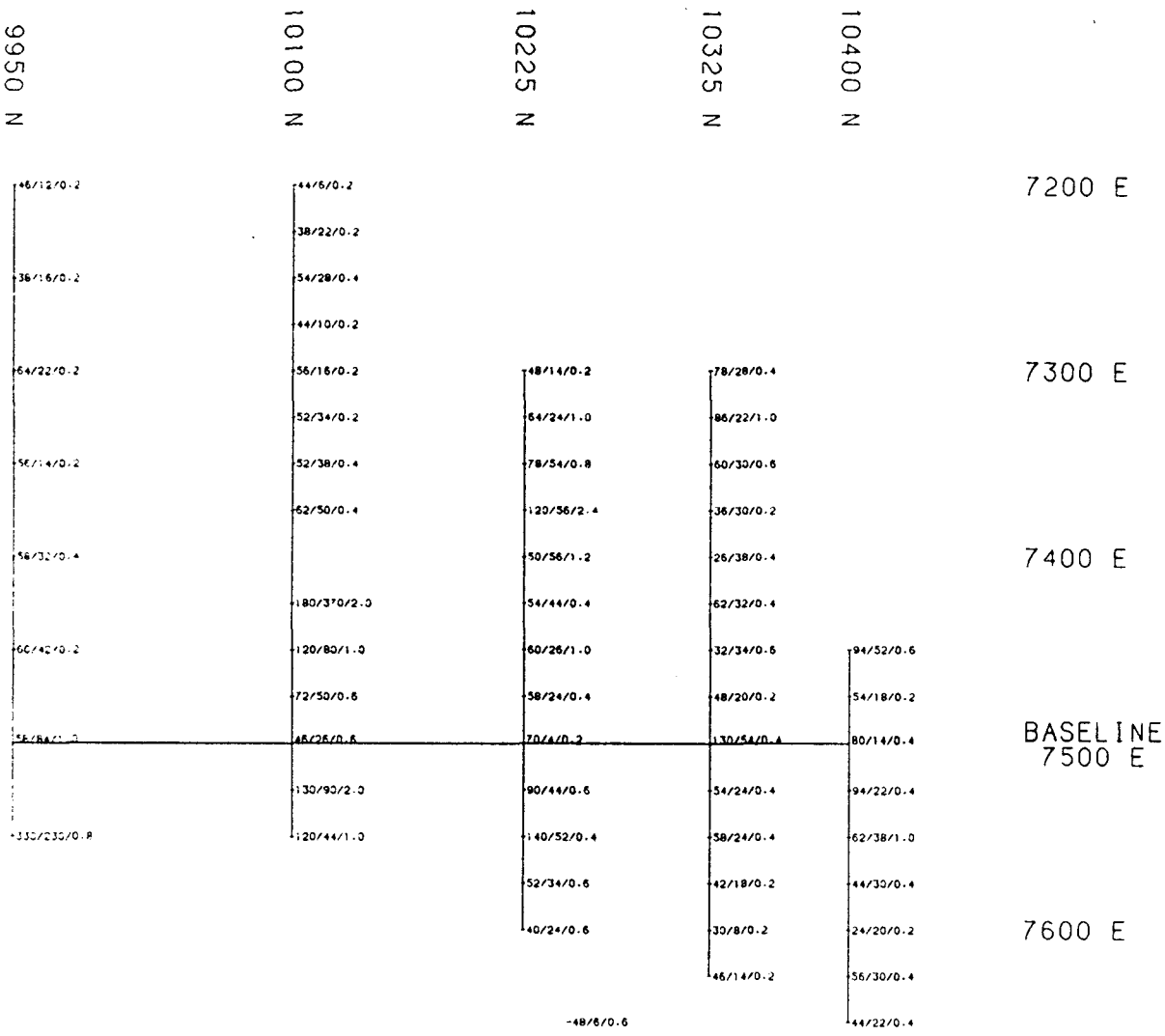


Fig. 11

SEAGULL CREEK (CEA CLAIMS

GRID No. 3
AS IN PPM. AU IN PPB.

NORANDA EXPLORATION



SEAGULL GREEK (CEA CLAIMS)

CRID No. 3

ZN. PB. AG IN PPM.

NORANDA EXPLORATION

Fig. 12

Fig. 13

SEAGULL GREEK (CEA CLAIMS

CRID No. 3

CU.MO.BA IN PPM.

17.

NORANDA EXPLORATION

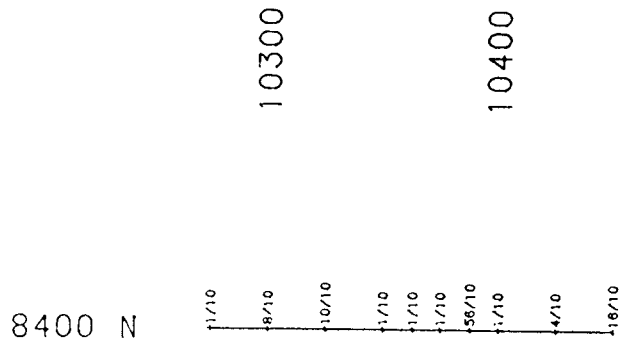


Fig. 14

SEAGULL GREEK (CEA CLAIMS)

GRID No. 4
AS IN PPM. AU IN PPB.

PROJ. NO. 850313

NORANDA EXPLORATION

OFFICE: WHITEHORSE

Fig. 15

SEAGULL CREEK (CEA CLAIMS)

GRID No. 4
ZN. PB. AG IN PPM.

NORANDA EXPLORATION

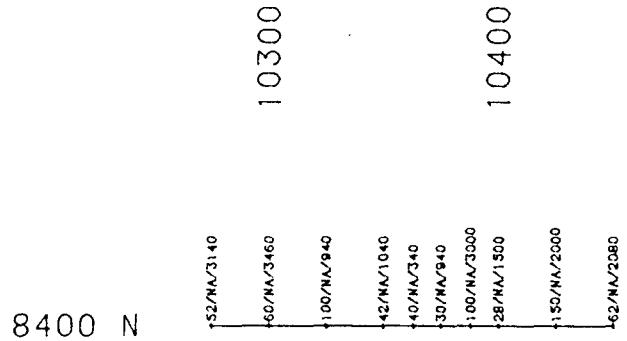


Fig. 16

SEAGULL CREEK (CEA CLAIMS)

GRID No. 4
CU.MO.BA IN PPM.

NORANDA EXPLORATION

CHAPTER FOUR: TRENCHING and ROCK SAMPLING

A total of eight areas on Grid No. 1 were identified for target testing, involving hand and blast trenching, sampling of these trenches and general prospecting around the areas of interest.

The following table is a summary of this work.

TRENCH	LOCATION	PURPOSE	RESULTS
No. 1	10200N 9950E	Test soil anomaly >10,000 Ba, 2.4 Ag, 600 Pb	Kaolinite alteration or weathering cap overlying a siliceous schist to phyllite outcrop. Rock samples are all anomalous (up to 1,480 ppm Pb, 5.6 ppm Ag, >10,000 ppm Ba). No visible mineralization seen.
No. 2	10500N 10125E	To test >10,000 ppm Ba in soil	No bedrock, rock fragments taken were not anomalous
No. 3	10700N 10275E	Geochemical anomalous float nearby	Three samples of possible broken bedrock were not anomalous.
No. 4	9700N 9950E	To test 370 ppm Au-in-soil anomaly	Five rock samples of phyllite, chlorite schist and quartz float; none anomalous. One large soil sample did not duplicate anomaly.
No. 5	9600N 9850E	To test 300 ppm As anomaly	Geology - black phyllite (pyritic) Three rock samples had negative results.
No. 6	9540N 10200E		One chip sample (float) was not anomalous.
No. 7	9250N 9775E	To test quartz vein near linear Cu-Ag-Zn soil anomaly	Eight rock samples (float, primarily qtz vein material) was not anomalous.
No. 8	10620N 10300E	Open up exposure of quartzite bed. Rock with small sulphide shear lenses.	Pyritic-Mn oxidized quartzite. Three rock sample analyzed 3.6 to 7.6 ppm Ag, 8,800 to >10,000 ppm Ba

Anomalous values were found only in Trench No. 1 and No. 8, however Trench No. 1 because of the kaolinite alteration appears to be the best mineralization seen to date.

In addition to the samples analyzed from the trenches, a number of rock samples were collected during the original mapping of the grids. The results of all the rock samples are listed in Appendix A.

CHAPTER FIVE: CONCLUSIONS AND RECOMMENDATIONS

Follow-up work in 1985 of anomalous silt results on the CEA 1-72 claim block consisted of soil geochemistry, prospecting, geological mapping and trenching. Results of the soil geochemistry survey were somewhat encouraging, however, no significant mineralization has ever been found on the the grid. Trenching proved the existence of anomalous Ba-Ag-Pb values in bedrock which appear to be the cause of the soil anomalies. Only Trench No. 1 showed any possible hydrothermal alteration where kaolinite-clay alteration caps a siliceous schist. Rock samples from this trench were geochemically anomalous and again although they explain the associated soil anomaly, the values are not significant enough to warrant further work at this time.

Respectfully submitted,

Wayne Reid

Wayne Reid
Senior Project Geologist

STATEMENT OF QUALIFICATIONS

I, Wayne Reid, of the City of Whitehorse in the Yukon Territory, do hereby certify that:

1. I have been employed as a Geologist by Noranda Exploration Company, Limited (No Personal Liability) since 1976.

2. I am a graduate of Memorial University of Newfoundland with a Bachelor of Science Degree in Geology.

3. I am a fellow of the Geological Association of Canada and a member of the Prospectors and Developers Association.

4. I supervised and performed part of the work described in this report.

N. Wayne Reid

N. Wayne Reid
Senior Project Geologist
Noranda Exploration Company, Limited
(No Personal Liability)

STATEMENT OF COSTS

PROJECT: CEA 1-72 Claims - Seagull Creek Property

Stage I

Labour:		
35 mandays at $150 per day	$5,250.00	
Food, Lodging and Supplies	1,800.00	
Transportation	500.00	
Analysis (includes trench samples):		
555 soils @ 9.50 = 5,272.50		
76 rocks @ 11.00 = 836.00		
	6,108.50	
Stage I Total		$13,658.50

Stage II (Trenching)

Labour:		
16 mandays at $150 per day	$2,400.00	
Food and Supplies	900.00	
Transportation (including helicopter)	1,700.00	
Contractor (C & M Exploration)	4,676.75	
Stage II Total		9,676.75
Report Writing, Drafting, etc.		1,500.00
GRAND TOTAL		$24,835.25

Noranda CEA 1-60 Claims

Noranda CEA 61-72 Claims

GRID No. 3

GRID No. 2

GRID No. 1
(Main Grid)

GRID No. 4

Seagull Creek

Swift River
10 Km.

ALASKA HIGHWAY

Swift River

6265'

4691'

Scale 1:10,000

091798

Fig. : 3

REVISED	Seagull Creek (CEA Claims)
	(1337)
	Soil Grid Location (1985)
PROJ. No. 13	SURVEY BY: WR DATE: JUN 85
N.T.S. 105 B 3E	DRAWN BY: AI SCALE: 1:10,000
DWG. No.	NORANDA EXPLORATION
	OFFICE: Whitehorse

96 00E | 97 00E | 98 00E | 99 00E | BL – 100 00E | 101 00E | 102 00E | 103 00E | 104 00E

108 00N | 107 00N | 106 00N | 105 00N | 104 00N | 102 00N | 100 00N | 99 00N | 98 00N | 97 75N (Offset) | 97 00N | 96 00N | 95 00N | 94 00N | 92 00N | 90 00N

R20790 | R20791 | R20792 | R20793 | R20794,95 | R20797 | R20798 | R20788 | R20789 | R20787 | R37878 | S47657

Claim Line | C.P. | Swamp | Qv | Hvy Qv

Legend

4 — Foliated light grey chert and chert peeble conglomerate (cataclasite?). Some fine grained breccia units.

3 — Dark grey cherty argillite : minor graphitic to black chert : foliated.

2 — Foliated Grit., medium grained lithic to arkosic sandstone well foliated with sericite and chlorite alteration.

1 — Grey schist and chlorite to sericite. Phyllite : excellent foliation.

Symbols

- Outcrop (defined, assumed)
- Geological contact (defined, assumed)
- Foliation
- Bedding
- Fold axis, plunge
- Jointing
- Lineation
- Float
- VLF Conductor axis
- R37678 — Rock / Silt Sample no. & location
- Trench location & number

N

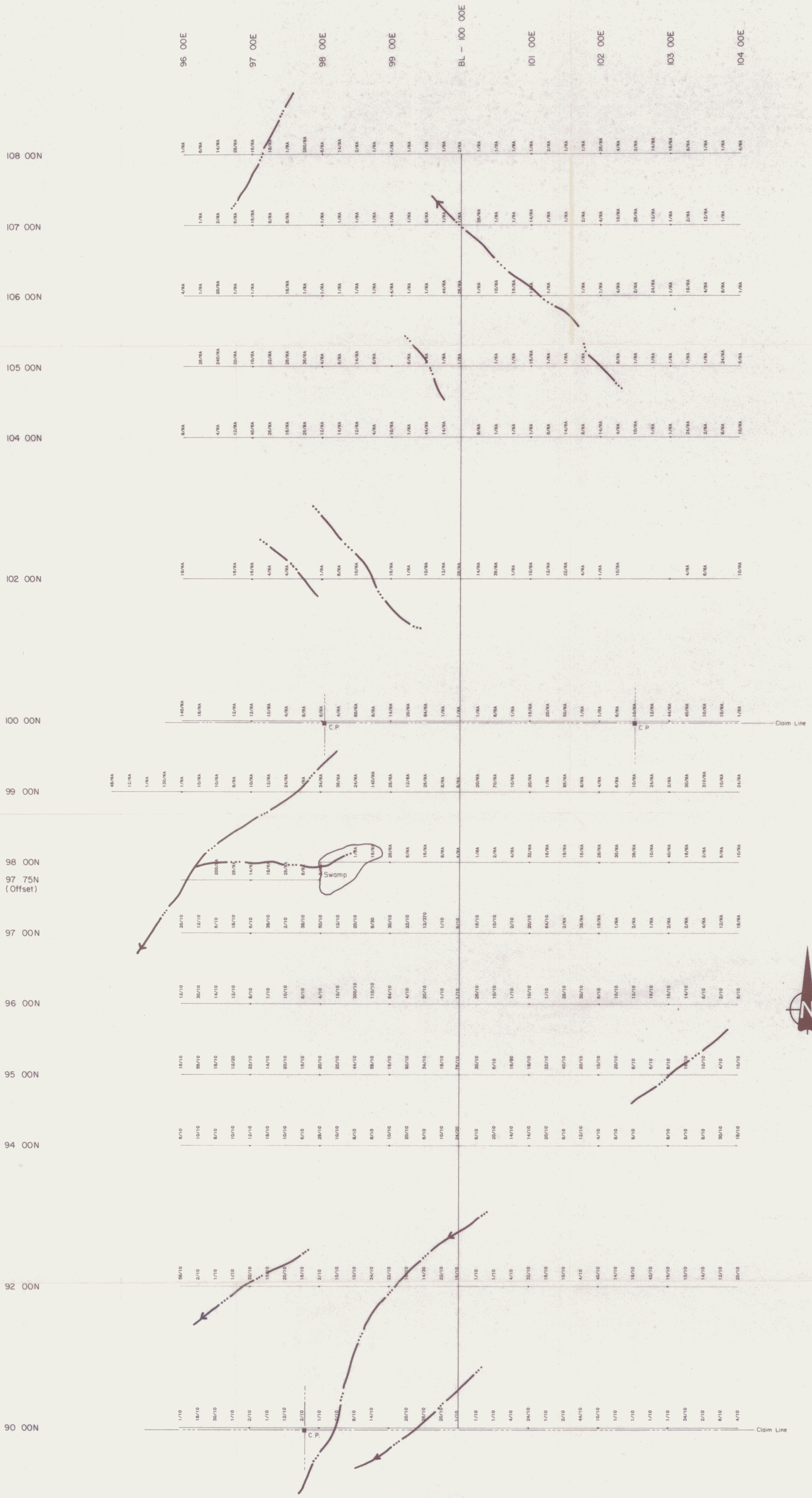
Scale 1:2500 — 0 50 100 200 meters

091798

Fig. 4

REVISED	Seagull Creek (CEA Claims)
	GRID No. 1 (Main Grid)
	Geology (1330)
PROJ. No. 13	SURVEY BY: WR, SJM — DATE: JUN 85
N.T.S. 105 B 3E	DRAWN BY: AI — SCALE: 1:2500
DWG. No.	NORANDA EXPLORATION
	OFFICE: Whitehorse

AYMOYT - 9985

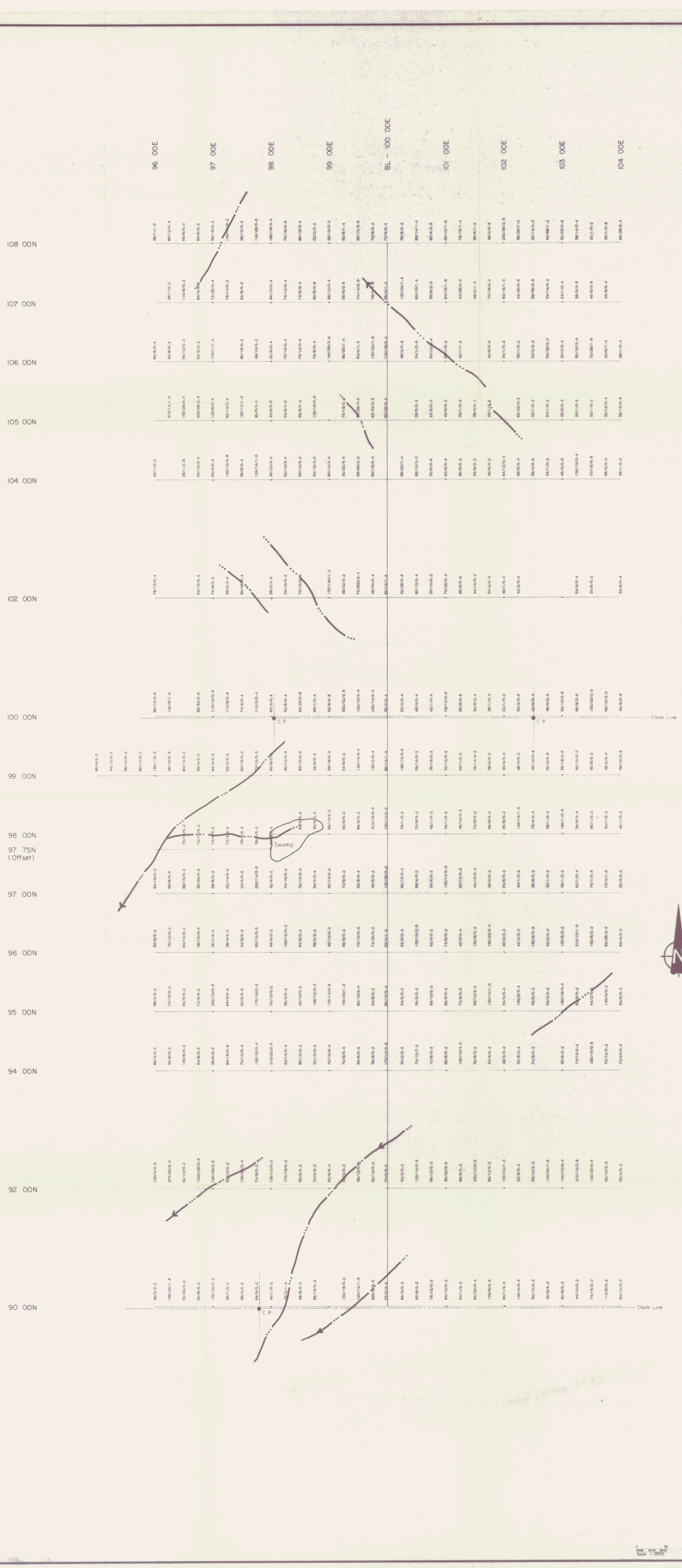


091798

Fig. : 5

REVISED	Seagull Creek (CEA Claims)
	GRID No. 1 (Main Grid) (1339)
	AS IN PPM. AU IN PPB.
PROJ. No. 13	SURVEY BY: ..... DATE: .....
N.T.S. 105 B 3E	DRAWN BY: AI SCALE: 1:2500
DWG. No.	NORANDA EXPLORATION
	OFFICE: Whitehorse

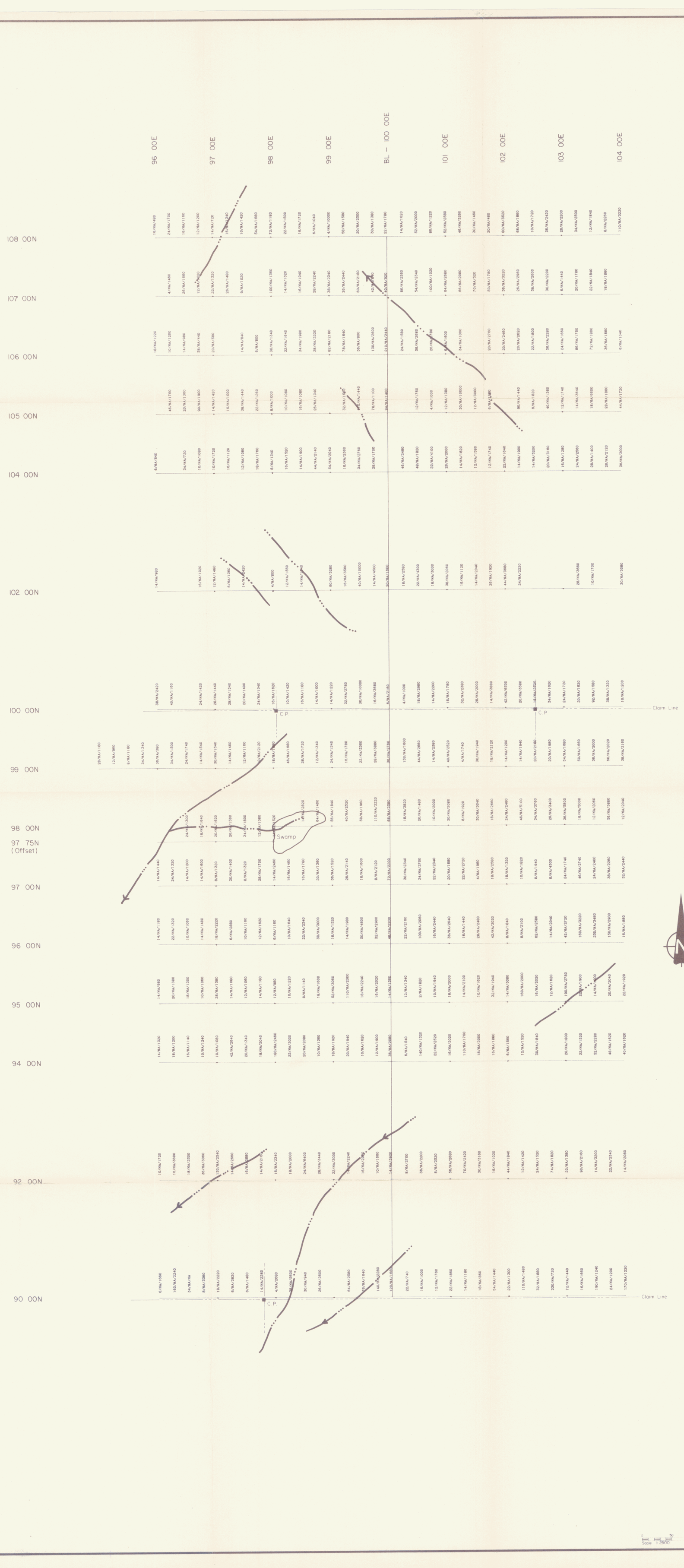
AVHOVT - 5965



091798

Fig. : 6

REVISED	Seagull Creek (CEA Claims)
	GRID No. 1 (Main Grid) (1333)
	ZN, PB, AG IN PPM.
PROJ. No. 13	SURVEY BY: DATE:
N.T.S. 105 B 3E	DRAWN BY: AI SCALE: 1:2500
DWG. No.	NORANDA EXPLORATION
	OFFICE: Whitehorse



091798

Fig. : 7

REVISED	Seagull Creek (CEA Claims)
	GRID No. 1 (Main Grid) (1334)
	CU, MO, BA IN PPM.
PROJ. No. 13	SURVEY BY: DATE:
N.T.S. 105 B 3E	DRAWN BY: AI SCALE: 1:2500
DWG. No	NORANDA EXPLORATION
	OFFICE: Whitehorse

APPENDIX A

ROCK GEOCHEMISTRY RESULTS

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 105 B/3

PROPERTY SEAGULL - PROJECT 313 DATE June 21/85

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS ppb								
				Cu	Pb	Zn	Ag	As	Au	Ba	Sn	W
20798	Foliated chert breccia w/ diss. py L 97N, 104+00E	o/c		12	1	28	0.4	8	10	3020	2	1
20799	Quartz stockwork cutting silicified to chl. schist. Weathered out pyrite to 5%. East side of dome.	o/c		4	16	48	0.2	2	10	160	2	1
20800	Micro breccia w/ bleached to gry chert frags in "clay" rich matrix, diss. py. East side of dome.	o/c		82	1	56	1.6	56	10	340	2	1
38029	Massive floggy, lt. grey to white barite. Central dome 30 x 20 x 10 cm (Grid No. 2)	float		14	1	26	0.4	4	10	>10000	2	1
38030	Med. grey, medium-grained xlline limestone w/ 1% diss. pyrite + hornblende etc. Limestone area of central dome. Grid No. 3 L 101N, 75E			16	64	68	0.4	2	10	2880	8	1
38031	Mn stained foliated grey argillite w/ diss. py 200 m NE of Grid No. 3			42	440	210	4.0	28	10	5200	6	1
38032	Medium grained grey re-xllized limestone w/ limonite spots, vuggy looking. L 101N, 74+00E	o/c	comp	160	14	32	0.6	16	10	360	4	1
38033	1% diss. pyrite in foliated chert, good Mn + hem. staining. Grid No. 4	o/c	grab	70	1	26	0.6	32	10	880	4	1

NORANDA EXPLORATION COMPANY, LIMITED

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PROPERTY SEAGULL - PROJECT 313

DATE June 21/85

SAMPLE REPORT

AMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS ppb								
				Cu	Pb	Zn	Ag	As	Au	Ba	Sn	W
38034	Vertical qtz shear zone, rusty quartz. Grid No. 4	chip	2m	26	1	8	0.2	8	10	780	4	1
38035	50% qtz (rusty) vein material in quartzite, Grid 4	chip	3m	20	2	8	0.4	16	10	190	2	1
38036	Finely diss. py (arspy?) near qtz vein in quartzite Grid No. 4	grab		20	6	10	1.6	6000	100	3180	4	1
38037	Rusty chert congl. footwall to qtz stockwork zone diss. sulphides in matrix.	grab		36	18	8	1.0	5600	10	1600	2	1
37876	Dolomite L.S. with qtz veining. Disseminated sulphides and heavy gossaning. 99+25N, 102+25E	float		4	1	48	0.4	120	10	300	4	1
37878	Cherty phyllite, has solution cavities filled with recrystallized silica and heavy limonite stain, 3% cubic py. 97+25N, 96+50E	o/c		30	22	140	0.6	72	10	2600	4	5
37880	Banded greenish black cherty arg. with 5% diss. py in streaks and blebs. Heavy limonite stain. 95+75N, 98+00E	float		54	120	30	0.8	350	10	320	4	1
37882	Bedded diss. po 5% in slightly hornfelsed cherty arg.	float	1mx.7	78	6	150	0.4	16	10	1540	6	1

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SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS ppb								
				Cu	Pb	Zn	Ag	As	Au	Ba	Sn	W
37883	MnO_2 stain with py in solution cavities of quartzite cut by quartz stockwork. Sericite alt. present. Grid No. 4	o/c		6	1	6	0.6	8	10	1020	4	15
37884	MnO_2 and limonite alt. at contact of quartz vein and argillaceous quartzite. Quartzite contains minor diss. py. Grid No. 4	o/c		4	1	12	0.4	32	10	1580	2	1
37885	Chip across quartz vein 120/90 irregular width with many quartzite blocks caught up. Grid No. 4	chip	1.7m	4	1	4	0.4	16	10	50	4	1
37886	Highly altered granite? with diss. py. Heavy limonite stain as well as sericite, clay and chlorite alteration.	float		10	1	200	0.4	170	10	720	2	1
37887	Highly sheared phyllite cut by quartz stringers. 2% cubic py.	o/c		92	1	68	0.6	2	10	740	6	1
38028	Foliated arg with 10% diss. and cubic py. Heavy limonite stain as well as chlorite and clay altn.	float		200	6	86	3.4	2	10	2980	2	2

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SAMPLE REPORT

AMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS ppb								
				Cu	Pb	Zn	Ag	As	Au	Ba	Sn	W
38076	v.f.g. siliceous acid rock w/ limonite weathering L 99N, 103+75E	o/c		24	1	38	0.8	2	10	2440	6	1
20790	5% diss. and blebs of py + po in sericite-qtzite schist (micaceous) L 107+00N, 101+62E	float		38	210	34	2.0	16	10	>10000	6	1
20791	foliated chert and breccia w/ very minor py, hematite + sericite L 107+00N, 103+70E	o/c		76	130	64	2.8	20	20	3380	2	1
20792	Rusty quartz vein, minor clay + limonite and pyrite L 105+40N, 101+50E	o/c		8	2	8	0.6	28	20	740	6	1
20793	Quartz veined siderite weathering dolomite, very rusty L 105N, 104+00E	float		6	1	38	0.4	12	10	520	4	1
20794	20% diss py in rusty gossanous quartz vein, good Mn. (east side) L 106+10N, 103+25E			20	1	68	20.0	44	60	>10000	4	1
20795	Similar to 20794, more massive py, west side L 106+10N, 103+25E			110	1	44	2.4	24	10	>10000	2	1
20797	Up to 2% pyrite in f .iated silicified chert, minor sericite L 100N, 103+08E	o/c		38	16	12	1.2	16	10	5200	2	1

NORANDA EXPLORATION COMPANY, LIMITED

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PROPERTY CEA - SEAGULL CREEK Soil/Rock follow-up DATE Aug. 2, 1985

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS ppb							SAMPLED BY
				Cu	Zn	Pb	Ag	As	Au		
41526	Siliceous grey phyllite. Weathered sulphides, limonite filled cavities. 96N, 10350E. Soil 230 Cu, 3.2 Ag.	float		18	60	2	0.4	2	10		
41527	5 random grab samples of phyllite taken over 25 m in o/c 30 m up slope from anomalous soils. 96N 10325E-10350E. 150-230 Cu, 1.0-3.2 Ag.	o/c		12	80	4	0.4	2	10		
41528	Limonite + hematite stained quartz veins with MnO_2, taken in same area as 4152	o/c		10	70	14	0.4	2	10		
41732	Quartz vein through arg. phyllite. 96N, 10375E Soil 150 Cu, 36 Pb, 3.0 Ag	float		10	50	18	0.4	2	10		
41733	Very heavy MnO_2 coating, cementing a phyllite and quartz-chert breccia. 9815N, 10275E - near conductor axis.			74	90	4	0.8	2	10		
41734	Phyllitic chert + chert breccia with minor diss. py. Cut by some small quartz veinlets, 2 soil anomalies near conductor axis, 2.0 Ag. 100N, 10350E to 10375E	o/c		140	60	36	1.0	2	10		

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 105 B/3

PROPERTY CEA - SEAGULL CREEK Soil/Rock follow-up DATE Aug. 2, 1985

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS ppb							SAMPLED BY
				Cu	Zn	Pb	Ag	As	Au		
41735	8% Py in quartz vein with minor AsPy? Red hematite and limonite streaks + bands throughout. Vuggy in some areas. 9750N, 10100E	flt		94	30	2	0.4	2	80		W.R., S.M.
41736	Arg. siltstone with minor py. 97N, 9945E Soil 370 ppb Au.	o/c		28	30	90	0.6	32	10		
41737	Well foliated phyllitic siltstone, 3% diss. limonite blebs as well as minor diss. py, AsPy? 96N, 9850E. Soil 300 As.	subcrop		20	80	18	0.2	140	10		
70283	Heavy limonite stain on phyllitic siltstone. 99N, 10350E. Soil 310 As. Has minor diss. py, AsPy.	subcrop		44	70	14	0.2	36	10		

NORANDA EXPLORATION COMPANY, LIMITED

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PROPERTY SEAGULL CREEK - CEA CLAIMS

DATE Oct. 1985

SAMPLE REPORT

AMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS							ppb	
				Cu	Ag	Zn	Pb	W	Sn	Ba	Au	As
	Trench No. 1: 10200N, 9950E											
94801	Bedrock			24	3.2	56	710	1	1	7300	10	4
94803	Kaolinite altered layer			2	3.6	14	580	1	2	6600	10	4
94804	Silicified schist			16	2.4	56	660	1	1	9200	10	2
94805	2.0 metres below surface			22	5.6	48	1480	5	1	8200	10	2
94848	2.6 metres below surface			26	1.0	86	316	1	4	3180	10	4
94849	1.8 metres below surface			26	1.0	118	680	1	1	8000	10	2
94850	3.6 metres below surface			10	3.4	36	840	1	1	>10000	10	8
	Trench No. 2: 10500N, 10125E											
94806	Rock fragments in soil			28	0.2	48	16	10	2	2340	10	2
	Trench No. 3: 10700N, 10275E											
94844	Black phyllite - 1.0 metres			52	0.2	52	12	1	1	1680	10	8
94845	" " - 2.0 metres			68	0.4	52	22	1	2	2260	10	26
94846	" " - 3.0 metres			50	0.4	34	38	1	2	3160	10	14
	Trench No. 4: 9700N, 9950E											
94755	Phyllite, chlorite schist, fragments			14	0.2	32	6	1	1	3260	10	2
94756	" " " "			32	0.2	18	2	1	1	5100	10	2
94757	Quartz vein, fragments			8	0.8	16	58	1	1	680	10	8
94758	" " "			16	0.2	16	10	1	1	3800	10	14
94766	Clay altered (talc) schist, fragments			6	0.2	10	2	1	2	4900	10	2

NORANDA EXPLORATION COMPANY, LIMITED

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PROPERTY SEAGULL CREEK - CEA CLAIMS

DATE Oct. 1985

SAMPLE REPORT

AMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS							ppb	
				Cu	Ag	Zn	Pb	W	Sn	Ba	Au	As
94767	Bottom of trench, fragments			20	0.2	14	4	1	4	4600	10	10
	Trench No. 5: 9600N, 9850E											
94771	Black (pyritic) phyllite, 1.0 metres			30	0.2	32	6	1	1	1760	10	6
94772	" " " 1.5 metres			30	0.2	68	2	1	1	2440	10	6
94773	" " " 2.0 metres			40	0.2	54	10	1	2	1740	10	24
	Trench No. 6: 9540N, 10200E											
94815	Chips from soil horizon			32	0.2	50	14	2	2	2840	10	8
	Trench No. 7: 9250N, 9775E											
94826	Quartz vein in phyllite (bedrock)			26	0.2	48	8	1	1	780	10	8
94828	As above											
94830	As above			46	0.2	56	16	2	4	2040	10	6
94832	As above			36	0.2	30	14	2	2	1280	10	8
94834	As above			16	0.2	30	6	2	4	1080	10	10
94836	As above			14	0.2	22	12	2	1	860	10	4
94838	As above			40	0.2	42	24	5	1	1300	10	4
94839	Phyllite (minor quartz vein)			98	0.2	86	8	10	1	4600	10	16
	Trench No. 8: 10620N, 10300E											
94841	Disseminated and streaky pyrite in quartzite bedrock)			36	3.6	22	12	1	1	>10000	10	16
94842	As above			74	8.8	40	10	1	1	>10000	10	6

NORANDA EXPLORATION COMPANY, LIMITED

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PROPERTY SEAGULL CREEK - CEA CLAIMS

DATE Oct. 1985

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS							ppb	
				Cu	Ag	Zn	Pb	W	Sn	Ba	Au	As
94843	As 94841 & 94842			84	7.6	48	2	1	1	8800	10	10

INDIAN NORTHERN AFFAIRS - YUKON

REFERENCE

35mm

DRAWING

IMAGE # 1334