

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 89.08.19

ASSESSMENT REPORT 17992

MINING DIVISION: Atlin

PROPERTY: Fin
LOCATION: LAT 59 58 00 LONG 134 51 00
UTM 08 6647501 508375
NTS 104M15W

CLAIM(S): Fin
OPERATOR(S): Noranda Ex.
AUTHOR(S): MacKay, G.
REPORT YEAR: 1988, 16 Pages

COMMODITIES

SEARCHED FOR: Gold,Mercury

GEOLOGICAL

SUMMARY: Argillic shales of the Inklin Formation have been intruded by large granite to granodiorite plutons and dykes of Cretaceous age. The argillic shales are pyritic and contain little else.

WORK

DONE: Prospecting
PROS 500.0 ha
Map(s) - 1; Scale(s) - 1:10 000
ROCK 17 sample(s) ;ME
Map(s) - 1; Scale(s) - 1:10 000
SILT 5 sample(s) ;ME

GEOLOGICAL & GEOCHEMICAL REPORT

on the
FIN CLAIMS

LOG NO: 1115	RD.
ACTION:	
FILE NO:	

Atlin Mining District

NTS: 104 M/15

Latitude: 59 58'

Longitude: 134 51'

FILMED

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,992

Owner: Noranda Exploration Co. Ltd
(no personal liability)

Gordon MacKay
November, 1988

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CHAPTER ONE

INTRODUCTION

During the period August 4 to August 6, 1988 a three man fly camp was established on Noranda's wholly owned FIN claims. The claims consists of one block of 20 units and were staked on August 25, 1987 to cover a large gossan.

LOCATION AND ACCESS

The FIN claims are located in British Columbia. They are situated 30km northeast of Skagway Alaska between Bennett Lake and Tutshi Lake, approximately 12km south from Carcross Y.T.. Access to the property is by helicopter from the Weaton River Valley Y.T., 19km to the north, or from Atlin B.C., 35km to the east.

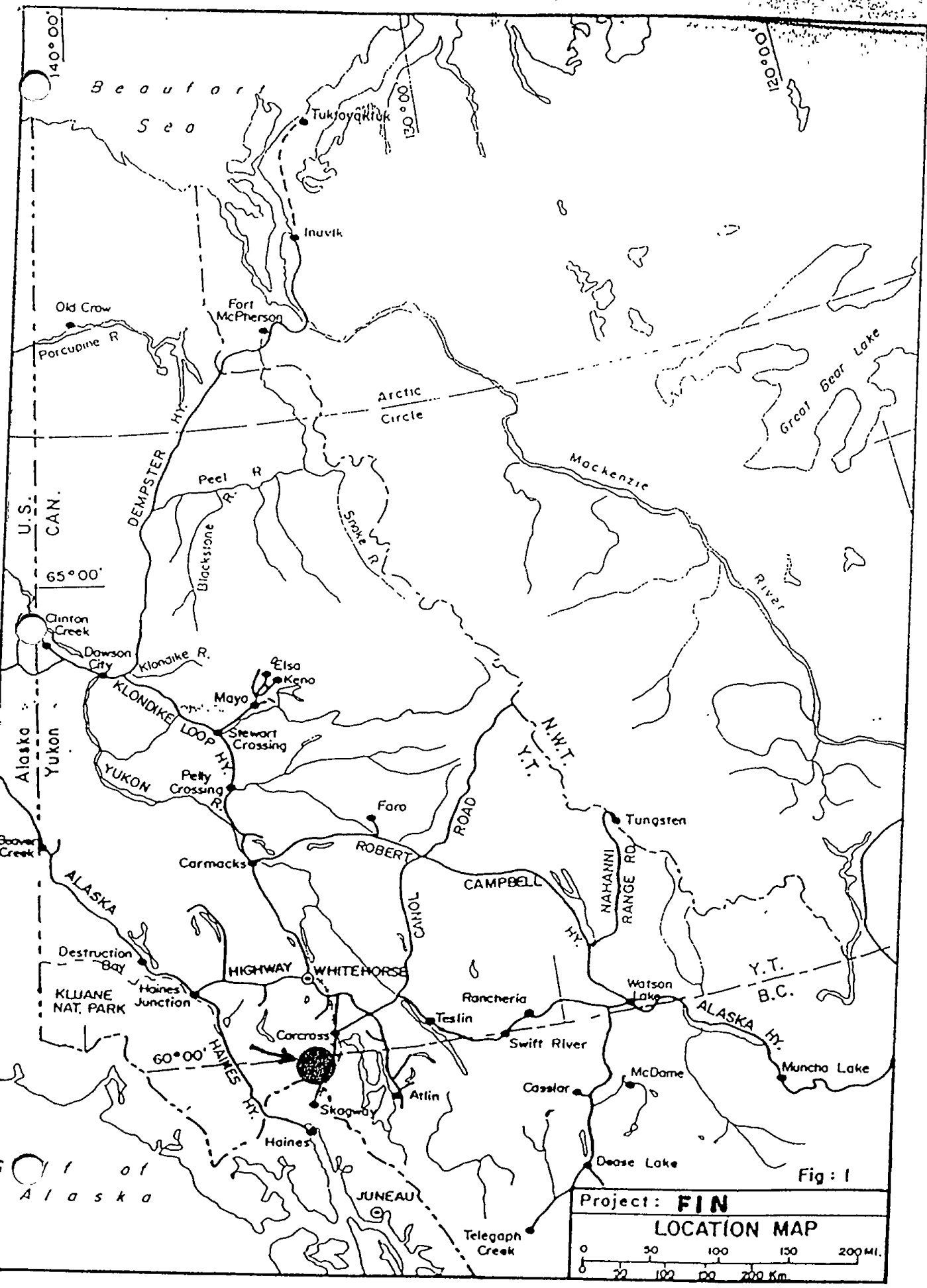
PHYSIOGRAPHY AND VEGETATION

The claims lie in an area of rugged mountainous terrain. Elevations on the property vary from 1006m to 1920m.

There is very little vegetation on the FIN claims.

HISTORY OF THE CLAIMS

In 1981 Dupont Exploration staked the Tshik claims to the southeast and the Peng claims to the northwest of the FIN. The Tshik was staked to cover a gold anomaly in a pan concentrate sample. The claims were dropped following a short follow-up program. Dupont's follow-up program found anomalous mercury in stream sediments draining the present FIN property.



Project: **FIN**
LOCATION MAP
 0 50 100 150 200 MI.
 0 100 200 Km

Fig: 1

Part of Alaska

BRITISH COLUMBIA

Pennington

Dennis Pt.

Δ TUTSHI 755(G)

Δ DRTY 61 250

0 1 Km

J.J.1 1019 (3)	DORA 1 1021 (3)
J.J.2 1020 (3)	DORA 2 1022 (3)

FIN 1
3088 (8)
45 x 5W

PAVEY 5
2759 (11)
28 x 6W

PAVEY 3
2661 (8)
48 x 3W

PAVEY 6
2760 (11)
63 x 2W

L-B
3041 (7)
31 x 5E

PAVEY 4
2662 (8)
26 x 8W

PAVEY 1
2659 (8)
48 x 4E

BEN 4
1934 (7)
128 x 3W

BEN 1
1931 (7)
134 x 5E

PAVEY 2
2660 (8)
25 x 8E

BEN 3
1933 (7)
128 x 3W

BEN 2
1932 (7)
134 x 5E

MINERAL RESERVE
OIC 778, 73
SUBJECT TO RESCINDED

FIN CLAIMS
Claim Map

Atlin Mining District
NTS: 104 M/15

CATFI
3
2756
4
5W x 1
2822

Pavey

Pas

RANGE

ennett

BC5500

LEDGE (G)

f

4
3
2
1

Dupont's Peng property was staked to cover a silver anomaly in a pan concentrate sample. A short follow-up program confirmed the silver anomaly and discovered a weak gold anomaly. No further work was recommended and the claims were dropped.

CLAIM DEFINITION

<u>CLAIMS</u>	<u>UNITS</u>	<u>RECORD #</u>	<u>RECORD DATE</u>
FIN 1	20	3088	Aug. 25, 1987

On acceptance of this report the claims will be in good standing until Aug. 25, 1990.

1988 WORK PROGRAM

From August 4 to August 6/88 Noranda personnel; G. Mackay, B. Bark and R. Copland, conducted nine man days of work on a Phase 1 exploration program consisting of prospecting, stream sediment sampling and mapping. A total of 17 rock and 5 silt samples were collected.

CHAPTER TWO

REGIONAL GEOLOGY

The FIN property lies along the Llewellyn fault. The property is dominated by rocks of the lower Jurassic Inklin formation. The Inklin formation is the deep water facies of the Whitehorse Trough Laberge Group. These rocks are intruded by late Cretaceous high level granites and granodiorites of the Coast Crystalline Belt.

In the southwest corner of the property the Llewellyn fault separates the Inklin formation sediments from the middle to upper Jurassic volcanics and volcanoclastics.

PROPERTY GEOLOGY

The property was roughly mapped at 1:50,000 during prospecting.

The youngest rocks on the property are argillic shales of the Inklin formation. This unit contains 1-10% disseminated pyrite. The weathering of this unit created the large gossan.

The argillites have been intruded by large Cretaceous granite to granodiorite plutons and dikes. Mihalyuk (1987) cites evidence that these intrusives are high level relatively cool events. Evidence from the FIN would tend to support that assessment. The lack of veining and alteration would also suggest that the intrusives were relatively "dry".

CHAPTER THREE

GEOCHEMISTRY

There were five silt samples taken from creeks draining the FIN property. These samples were collected from the active portion of the stream and the minus #80 mesh silt was analyzed for; Cu, Zn, Pb, Ag, As, Au, Hg, by the Noranda Laboratory in Vancouver.

The best sample, S39950, ran 250 ppb Hg, 20 ppb Au and 80 ppm As.

There were 17 rock samples collected on the property during this period. All samples were analyzed by Acme Labs using 30 element Inductively Coupled Plasma analysis. Gold analysis was by atomic absorption and mercury was by flameless atomic absorption.

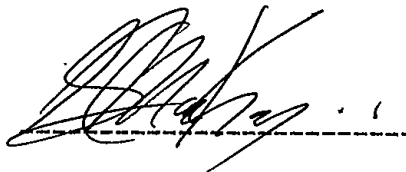
Results were disappointing.

CHAPTER FOUR

CONCLUSIONS AND RECOMMENDATIONS

Due to lack of encouraging results it is recommended that no further work be carried out on the FIN property.

Respectfully submitted by

A handwritten signature in black ink, appearing to read "Gordon MacKay", is written over a horizontal dashed line.


Gordon MacKay

Geologist

STATEMENT OF QUALIFICATIONS

I, Gordon MacKay of the City of Whitehorse, Yukon, do hereby certify that:

- 1) I have been an employee of Noranda Exploration Company Limited (NPL) in Whitehorse, Yukon since May, 1988.
- 2) I am a graduate of the University of British Columbia with a B.Sc. in Geology.
- 3) I conducted work on the FIN claims during August, 1988.



Gordon MacKay
Geologist

REFERENCES

Cristie, R.L.: Geology of Bennett (104M) 1957, GSC Map 19-1957.

Mihalynuk, M.G. and Rouse, J.N.:

Preliminary Geology of the Tutshi Lake Area, Northwestern British Columbia, in Geological Fieldwork 1987, A Summary of Field Activities and Current Research. Paper 1988-1 BCDM Publication, P. 217-231.

Mihalynuk, M and Rouse, J.:

Geology of Tutshi Lake area, BCDM Open File Map 1988-5.

STATEMENT OF COSTS

Labour	9 mandays @ \$150./day	\$1,350.
Food & Accommodation	9 mandays @ \$ 30./day	270.
Transportation	helicopter 2.2 hrs @ \$625./hr.	1,969.
	truck fuel & oil	50.
	rental	100.
Analysis	18 samples @ \$15./sample Cu, Pb, Zn, Ag, As, Au, Hg	270.
Report Preparation	author 1 day at \$100./day	100.
	typing 3 hrs. @ \$12./hr.	36.
	drafting 1 day @ \$150./day	<u>150.</u>
	TOTAL COST	\$4,295.

APPENDIX 1

RESULTS

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: FINN (NBC GENERAL)

CODE : 8808-038

Project No. : 373

Sheet: 1 of 1

Date rec'd: AUG. 08

Material : 29 SOILS &

Geol. : G. Mc.

Date compl: AUG. 23

Remarks : 5 SILTS

Values in PPM, except where noted.

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	As	PPB Au	PPB Hg
-----------	------------	----	----	----	----	----	--------	--------

140	SILT	39948	32	190	16	0.4	36	10	10
141		39950	26	130	20	0.4	80	20	190
142		39949	30	160	16	0.4	76	10	90
143		35893	20	96	16	0.2	20	10	80
144	SILT	35894	26	100	20	0.2	18	10	250

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 NI SR CA P LA CR BA TI B V AND LIMITED FOR YA K AND AL. AN OXIDATION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK AUP ANALYSIS BY ACID LEACH/AA FROM 10 GR SAMPLE. HG ANALYSIS BY FID/LESS AA.

DATE RECEIVED: AUG 4 1981 DATE REPORT MAILED: Aug 15/88 ASSAYER: C. L. Toye D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS
 NORANDA EXPLORATION PROJECT 8808-038 373 File # 88-3381

SAMPLE#	NO	CU	PB	ZN	FE	NI	CO	MN	FE	AS	U	MU	TM	SR	CD	SS	EL	V	CA	P	LA	CP	ME	SE	TI	B	AL	MA	K	Y	AUT	ME
R 35354	49	35	311	223	1.1	10	4	805	1.72	17	5	ND	5	18	1	2	2	7	.47	.022	12	48	.24	33	.01	2	.64	.01	.09	1	5	10
R 35355	37	48	36	16	1.2	8	3	49	1.01	128	5	ND	1	2	1	4	4	4	-.04	-.019	2	62	.03	13	.01	6	.13	.01	.03	1	106	10
R 35356	42	343	55	162	1.6	13	64	1633	14.83	570	5	ND	6	2	1	12	8	131	.04	.007	5	11	2.15	12	.01	2	4.53	.01	.03	1	42	5
R 35357	1	2	4	5	.1	2	1	1513	.31	8	5	ND	2	1151	1	2	3	2	31.75	.091	10	3	.05	6	.01	2	.03	.01	.03	1	1	5
R 35358	9	29	21	311	.1	27	5	383	1.07	2	3	ND	1	281	2	2	2	23	1.50	.023	7	16	.73	51	.03	4	5.20	.20	.05	1	2	10
R 35359	15	9	12	102	.1	23	5	308	.92	55	5	ND	6	26	2	3	2	65	.61	.071	5	42	.29	8	.09	3	.57	.05	.02	1	1	20
R 35360	13	65	26	302	.1	44	8	519	5.18	570	5	ND	3	97	2	7	2	47	.61	.088	4	30	1.37	30	.08	2	2.65	.15	.07	1	3	10
R 35361	2	35	11	43	.1	5	9	314	2.54	5	5	ND	5	98	1	2	2	15	2.76	.070	36	8	.23	197	.01	2	.42	.01	.20	1	1	70
R 35362	1	21	10	54	.2	16	11	881	1.58	2	5	ND	3	368	1	4	2	47	4.51	.040	11	25	1.62	141	.01	6	.33	.02	.13	1	1	310
R 35363	831	28	68	6	1.4	7	2	18	2.23	67	5	ND	4	83	1	12	2	3	.34	.168	11	11	.02	20	.01	9	.37	.01	.17	1	24	5
R 35364	38	2	26	37	.4	4	1	2531	.80	5	5	ND	1	300	1	2	4	4	11.10	.005	7	11	.06	32	.01	7	.15	.01	.07	1	3	10
R 35365	8	14	12	51	.2	47	5	281	2.03	30	5	ND	5	92	1	2	2	60	.70	.024	5	31	1.02	25	.06	3	2.05	.09	.09	1	2	5
R 35366	6	52	7	45	.1	64	12	219	3.55	14	5	ND	4	12	1	2	2	80	.35	.047	4	97	1.02	58	.15	13	1.01	.05	.13	1	2	20
R 35367	1	1	24	28	.3	1	3	284	1.65	3	5	ND	2	227	1	2	2	33	4.15	.038	14	3	.40	40	.07	4	7.74	.33	.06	1	1	5
R 35368	2	11	14	45	.1	2	3	263	1.67	13	5	ND	5	105	1	2	2	23	1.40	.075	8	8	.39	19	.07	2	2.35	.20	.03	1	1	30
R 35369	3	18	12	50	.2	5	11	305	4.94	35	5	ND	2	64	1	2	2	73	1.01	.105	12	6	.34	53	.17	2	1.38	.13	.20	1	20	10
STD C/AD-1	17	58	38	132	7.1	67	27	1087	4.03	39	11	7	38	46	17	16	19	56	.46	.065	33	55	.30	176	.06	33	1.95	.06	.11	12	445	1300

SAMPLE#	NO	CU	FE	ZN	FE	NI	CO	MN	FE	AS	U	MU	TM	SR	CD	SS	EL	V	CA	P	LA	CP	ME	SE	TI	B	AL	MA	K	Y	AUT	ME
R-17184	8	828	20	2517	1.2	364	65	586	23.84	2	5	ND	4	11	6	2	2	48	.76	.152	3	25	1.72	24	.03	8	2.20	.04	.06	4	56	5
R-17185	1	217	46	65	1.4	81	33	625	19.70	238	5	ND	4	17	1	2	2	26	.55	.013	45	43	.89	7	.03	4	1.78	.06	.02	1	36	5
R-21869	22	101	18	131	.2	50	11	311	4.14	1243	5	ND	4	144	1	2	2	113	1.37	.059	6	17	.89	54	.20	12	2.93	.25	.50	1	13	5

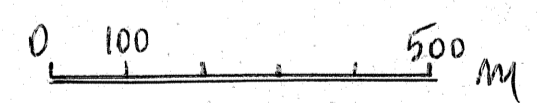
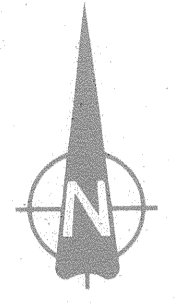


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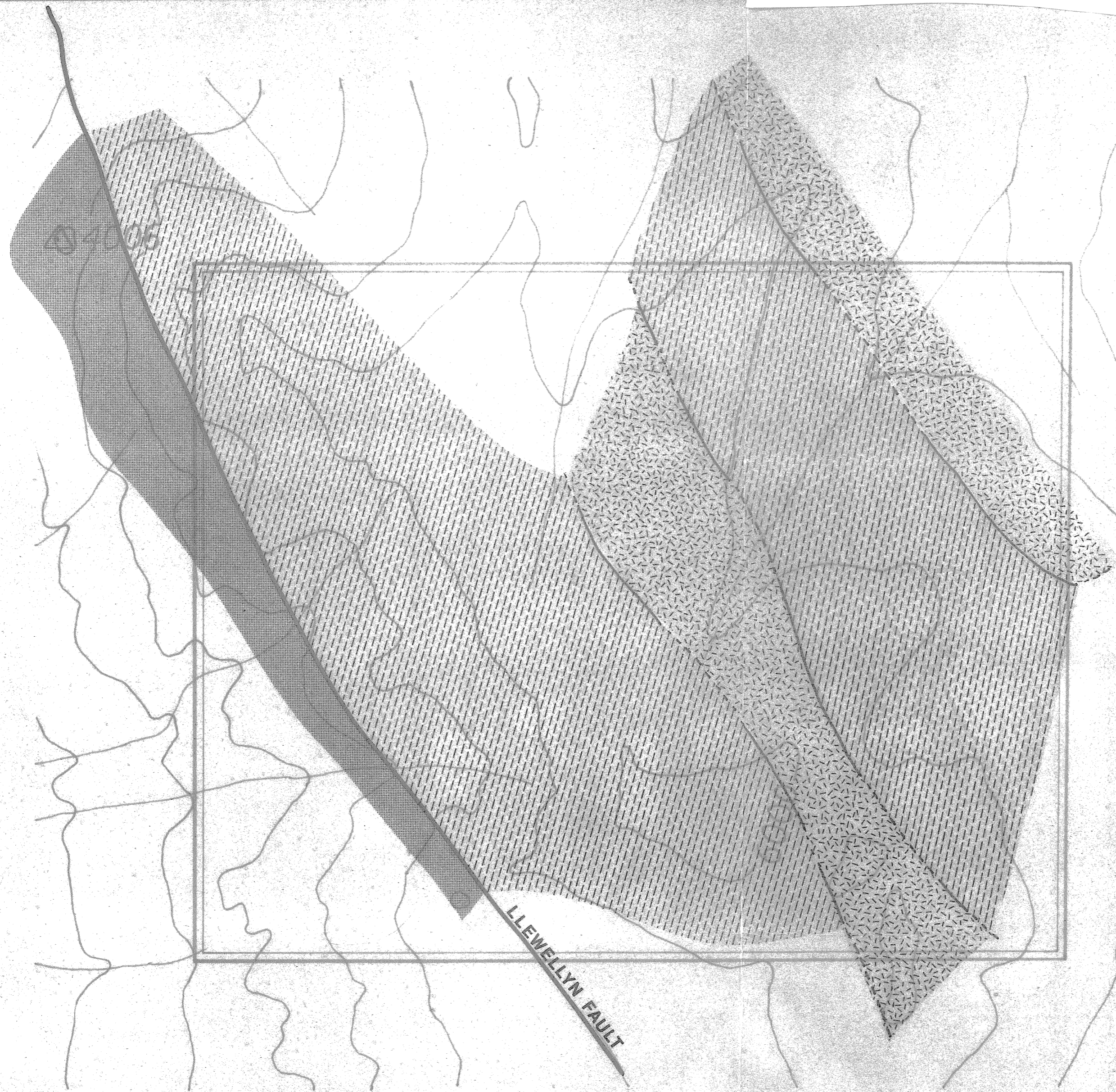
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

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17,992
GEOLOGICAL BRANCH
ASSESSMENT REPORT

REVISED	FIN	
	SAMPLE LOCATIONS	
PROJ. No.	SURVEY BY	DATE OCT. 1988
N.T.S. 104M/15	DRAWN BY	SCALE 1:10,000
DWG. No.	NORANDA EXPLORATION	
	OFFICE WHITEHORSE	



- 
CRETACEOUS
COAST INTRUSION
- 
JURASSIC
VOLCANIC TUFFS AND FLOWS
- 
LOWER JURASSIC
INKLIN FORMATION ARGILLITES

LLEWELLYN FAULT

4500
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

17,992



REVISED	FIN	
	GEOLOGY	
PROJ. No	SURVEY BY	DATE: OCT. 1988
N.T.S. 104M/15	DRAWN BY	SCALE: 1:10,000
DWG. No.	NORANDA EXPLORATION	
	OFFICE WHITEHORSE	