

Sept 286

Alex:

Re: Nina claim Rio Algom/Lornex
contact Dave Budinski

- ① in Aug/86 I.P. was run by Al Scott on one line only - line 5 ~~is~~ North with clean I.P. anomaly coincident with 1985 VLF-EM anomaly.
- ② lower drainage from cirque with EM/IP anomaly returned anomalous by in regional, govt sponsored stream silt survey.

John Watkins

Please return report:

P.O. Box 308

Royston B.C V0R 2V0

CORPORATION FALCONBRIDGE COPPER

93N/511
MEMORANDUM

DATE: October 31, 1986
À
TO: File
COPIES À
COPIES TO: L. D. Pirie
DE
FROM: A. J. Davidson
SUJET
SUBJECT: Nina Property Examination

Location

The Nina property is located 260km northwest of Prince George in the Omineca Mountains. Germansen Landing on the "Omineca Mining Road" is 18km southeast of the property. Access is by helicopter.

Property Status

The property consists of one 20 unit claim presently under option to Lornex Mining Corp. from J. Watkins.

Regional Geology

The area is underlain by late Paleozoic volcanic and sedimentary rocks of the Slide Mountain terrane. The claim occurs in an area where mafic volcanic rocks overlie a sedimentary package consisting of cherty pelite, chert, minor conglomerate and also includes thick gabbro and diabase sills. The Nina 1 claims covers this mafic-sediment contact.

Property Geology

The property is underlain by massive to locally variolitic, brecciated or pillowed basalt intercalated with sedimentary tuffs. At the basalt contact the sediments are layered with siliceous cherty bands which grade to massive chert.

Mineralization

Mineralization is confined to two areas 300m apart at the contact. I saw only the larger area due to heavy snow. It is more or less lens shaped and consists of sulphide fragments up to 0.25m in diameter in a sheared mafic matrix. The sulphide fragments are composed of fine grained pyrite with grey quartz. The fragments probably make up no more than 15-20% of the rocks.

Assays from sulphide fragments samples by JAM are shown in Table 1.

Nine separate clasts from the main sulphide fragment outcrop were sampled during my visit to the property. Those results are shown in Table II. The results are certainly of the same order of magnitude although the previous sampling showed a few higher values.

Geophysical Work

A VLF-EM survey (Seattle) was carried out over the Property in 1985. Two stratigraphically parallel, open ended EM anomalies were identified. The more important of the two coincides with the strike projection of the basalt-sediment contact and may represent "a source for the massive sulphide clasts". One line of IP carried out over the best of the anomaly also confirmed the anomaly with a $n=1$ chargeability of around 15.

Conclusions

The property is located in central B. C. in what is known as the Slide Mountain terrane. Access is by helicopter. Two large outcrops containing 10-15% subrounded massive pyrite clasts occur at/near the contact of a mafic volcanic sequence and chert and cherty sediments. The pyrite clasts contain anomalous but not ore grade values in copper, zinc, silver and gold (up to 6.9 ppm). A strong VLF/moderate IP anomaly coincides with the projected strike extent of the contact. The geological setting of the property is extremely analogous to that of our Chu Chua property. The next logical step in the exploration of the property would be to drill test the IP/VLF target to see if it reflects a source for the massive sulphide clasts.

Deal

The property is presently under option to Lornex from J. Watkins. Lornex have \$10,000 option payments due each August and have spent \$50,000 (generous

estimate) on the property. They have indicated that they want someone to come in and spend \$250,000 for a 50% interest or at least carry out first stage drilling. I am sure we could negotiate this to a more reasonable figure but I suspect the drilling provision would have to stay in. Lornex are presently searching for a junior partner as well.

Recommendations

The property is intriguing because of the PM values in the sulphide clasts and the presence of the VLF/IP conductor. However the property is expensive to explore and not well located. We are currently exploring the same environment on our Chu Chua property. The deal is tough and CFC could only pick it up if we had a junior ready to come in. We are presently still having trouble finding a partner for North Forks (another MS belt) and it would be even tougher to find one for Nina. Lornex will have problems finding a junior to explore it at this time of year (presently snow covered).

Although the property has merit it is not for us at this time. We will monitor the situation (not likely to change before spring) and re-evaluate it if Lornex drops the option.

A. J. Davidson

AJD/ik

Table 1

Analytical results of individual sulphide-rich fragments from
clastic sulphide zones

Sample No	Cu %	Pb % (ppm)	Zn % (ppm)	Ag gm/T	Au gm/T	Co ppm	Ba ppm	Mo ppm	As ppm
D3001	0.10	0.01	0.04	75.5	3.00	11			
D3002	1.74	0.01	0.05	84.5	0.30	21			
D3003	3.15	0.02	0.05	226.5	0.90	32			
D3004	0.41	0.01	0.01	26.0	0.60	18			
D3005	0.36	0.01	0.06	146.5	6.90	8			
D3006	0.17	0.01	0.01	9.5	0.05	186			
D3007	0.09	0.01	0.51	10.0	1.20	19			
D3008	0.46	0.01	0.01	3.5	0.05	10			
D3009	0.17	0.01	0.01	7.0	0.40	18			
D3013	0.80	0.01	0.02	38.0	1.90	10			
D3014	0.21	0.01	0.01	10.0	4.70	3			
*D5459	0.19	(129)	(193)	96.8	1.80		5	3	238
*D5460	0.07	(27)	(48)	9.8	0.15		9	7	67
*D5461	0.31	(35)	(53)	7.6	0.05		8	12	131
*D5462	0.41	(63)	(157)	23.7	0.40		9	8	117
*D5464	14.91	(47)	(1167)	20.2	0.60		9	8	164

* Sample collected on July 23 during initial property examination



CORPORATION FALCONBRIDGE COPPER

6415 - 64th Street
Delta, B.C., Canada V4K 4E2
Telephone (604) 946-5451

FILE

October 27, 1986

Lornex Mining Corporation
1650 - 609 Granville Street
Vancouver, B. C.
V7Y 1G5

Attention: C. Spence

Dear Colin;

Re NINA MINERAL CLAIMS

Sorry to have taken so long to get back to you. As we discussed on the telephone Corporation Falconbridge Copper will not be making an offer to participate in the further exploration of the Nina claims at this time. Please find attached a copy of the sample results as reported by Min-En. All of the samples were from massive sulphide fragments at the main outcrop.

Although I find the property intriguing and I do accept for the most part that the massive sulphides are in bona-fide fragments, I would have liked to have seen more samples with higher numbers. Given the property's location an orebody of above average grade would be required to make an economic go of it.

Thank you for the opportunity to review the project and I wish you best of luck in exploring it.

Yours truly,

A. J. Davidson
Exploration Manager
Western Canada

AJD/ik

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

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Certificate of GEOCHEM

Company: CORPORATION FALCONBRIDGE COPPER
 Project:
 Attention: A. J. DAVIDSON

File: 6-910
 Date: OCT 4/86
 Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

TABLE 2

Sample Number	CU PPM	PB PPM	ZN PPM	AG PPM	AU PFB	
4526	3800	238	300	33.0	470	MASSIVE SULFIDE
4527	4100	161	310	31.5	820	"
4528	985	131	94	77.0	2000	"
4529	3500	68	190	12.5	200	"
4530	6000	63	215	31.0	110	"
4531	520	216	425	24.4	490	GOSSAN
4532	900	142	112	17.3	200	MASSIVE SULFIDE
4533	10600	79	800	61.0	160	Leached frag
4534	3200	44	127	21.9	380	MASSIVE SULFIDE

Certified by

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