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BACON & CROWHURST LTD.

1720-1055 West Hastings Street Vancouver 1, B.C.

PROGRESS REPORT

on the property of

AFTON MINES LTD.

IRON MASK AREA

KAMLOOPS MINING DIVISION, B.C.

by

W.R. BACON, Ph.D., P.Eng.

Vancouver, B.C.

October 26th, 1971.

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ILLUSTRATION

Sketch showing Zone II Percussion Holes - 1" = 100" In envelope at back of report

PROGRESS

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The Afton property is mainly south of the Trans-Canada Highway, about nine miles west of Kamloops. Afton Mines Ltd. holds or holds options on 47 mineral claims and one mineral lease.

In a report dated November 25, 1970, Bacon & Crowhurst Ltd. summarized the work that had been performed on the property to that date. On Page 18 of this report mention is made of an Induced Folarization zone, Zone II "where a recent diamond drill hole (70-4) intersected significant amounts of native copper (250' of 0.35% Cu), abundant magnetite, and virtually no pyrite. Zone II, incidentally, also corresponds closely to the position of an electromagnetic conductive zone, a strong geochemical anomaly, and a saline lake."

Zone II is the site of the recent percussion drilling program but, prior to this work, the property was under option during the spring and summer of 1971 to Quintana Minerals Corp. This company, in spite of sparse outcrop, mapped the property geologically on a scale of 1" = 1000 feet. Subsequently, using a percussion drill as a prospecting tool, Quintana drilled 21 holes. Of these, five holes were abandoned in overburden at depths of 100-140 feet, fifteen were completed in bedrock at 300 feet, and one was completed in bedrock at 260 feet.

As this drilling did not indicate to Quintana "a potential for a porphyry type copper/molybdenum deposit," the option was terminated.

No Quintana hole was drilled within 1000 feet of Diamond Drill Hole 70-4, the one that encountered the native copper. When Quintana dropped its option, Afton initiated a percussion drill program of its own, in the immediate vicinity of Diamond Drill Hole 70-4.

The Afton program was laid out on 100 foot centres, a move which appears to have established that the trend of the better mineralization is NW-SE, i.e. parallel to the regional geological trend.

The writer visited the Afton property on September 9th, 1971. Drilling was in progress under the supervision of Mr. Ken Spraggs who also undertook the sampling procedure.

The diameter of the percussion holes is 2 inches and, thus, a 10 foot interval yields approximately 40 pounds of cuttings. Starting with 40 pounds, Mr. Spraggs very carefully riffled a sample 4 times using a Jones-type splitter, thus obtaining two 2½ pound fractions. A small portion of a 2½ pound fraction was agitated briefly and gently underwater on a watch glass to remove the fines and the remainder was examined under a binocular microscope. The 2½ pound fraction was sent for assay unless it appeared to be poorly mineralized.

The writer examined about two dozen samples under the binocular microscope in the field. The rock material is generally greenish, commonly epidotized, and less commonly exhibits a development of pink feldspar. It is considered to be recrystallized Nicola volcanics.

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Magnetite is invariably present and native copper is discernible in a majority of the samples scrutinized; it is considered to be primary.

The accompanying sketch shows the layout of percussion holes and the assay results therefrom. It is recommended that further percussion drilling be done and, for the present, it is probably just as well to carry on with the same pattern. Some diamond drilling should be planned to check the percussion work and to reach greater depths than 300 feet. All material drilled should be assayed.

This recommended program is referred to below as Stage 1 (Native Copper). Stages 2 and 3 are repeated from the November 25th, 1970, report as they have never been implemented and the reasons for proposing them are still valid. Stages 2 and 3 may be referred to as Stage 2 (Pothook) and Stage 3 (Pothook) as they were largely devised to find extensions of the Pothook mineral zone.

COST ESTIMATE

Stage 1 (Native Copper)

Percussion drilling, 20 - 300' holes = 6000' @ \$3.00/ft.	\$18,000
Diamond drilling 6 - 800' holes = 4800' @ \$12.00/ft.	57,600
Core assays, 480 samples @ \$3.00 ea.	1,440
Helper to split core, etc. (salary, board for 2 months)	2,000
2 vehicles @ \$500.00/month each, for 2 months	2,000
Engineering, geology, supervision	8,000
	\$89,040
15% contingencies	13,356
Total	\$102,396

Stage 2 (Pothook)

Diamond drilling, 6 - 400' holes = 2400' @ \$12.00/ft.	\$28,800
Core assays - 240 samples @ \$3.00 ea.	720
Helper to split core, etc. (salary, board for 1 month)	1,000
2 vehicles @ \$500.00/month each, for 1 month	1,000
Engineering, geology, supervision	4,000
15% contingencies	5,328
Total	\$40,848

Stage 3 (Pothook)

Diamond drilling, 9 - 400' holes = 3600' @ \$12.00/ft.	\$43,200
Core assays - 360 samples @ \$3.00 ea.	1,080
Erection of drill core storage rack	1,000
Helper to split core, etc. (salary, board for 2 months)	2,000
2 vehicles @ \$500.00/month each, for 2 months	2,000
Engineering, geology, supervision	8,000
	\$57,280
15% contingencies	8,592
Total	\$65,872

Respectfully submitted,

BACON & CROWHURST LTD.

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W.R. Bacon, Ph.D., P.Eng.

CERTIFICATE

I, William R. Bacon, with business address at 1720 - 1055 W. Hastings St., Vancouver, 1, British Columbia, DO HEREBY CERTIFY THAT:

- 1. I am a consulting geological engineer.
- I am a graduate of the University of British Columbia with B.A.Sc. (1939) and M.A.Sc. (1942) degrees in Geological Engineering.
- 3. I am a graduate of the University of Toronto with a Ph.D (1952) degree in Economic Geology.
- 4. I have practised my profession for thirty years in Canada, South America and Australia. During the past twenty years, the majority of my time has been spent in British Columbia; it includes seven years (1949-56) as geologist with the B.C. Department of Mines.
- 5. I have personally examined the Afton Mines Ltd. property in the Kamloops area of British Columbia.
- I have no interest, direct or indirect, in the property or securities of the above company, nor do I expect to acquire any such interest.

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W.R. Bacon, Ph.D., P.Eng.

Vancouver, Canada. October 26th, 1971.





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Hole No.		Ft.	Assay
Q92	10'-300' =	290'	0.64 % C
Q93	60' - 90' =	30'	0·36 %
	110' - 120' =	10'	0·37 %
	130' - 140' =	10'	1·53 %
	150' - 160' =	10'	0·69 %
Q94	60' - 100' =	40'	0·24 %
	250'-300' =	50'	0·74 %
Q95	40'- 50' =	10'	0·16 %
	20'- 30' =	10'	0·13 %
Q96	20' 40' =	20'	0·41 %
	90' 240' =	50'	0·37 %
	250' 280' =	30'	0·54 %
Q97	50' - 60' =	10'	1.01 %
	80' - 90' =	10'	1.71 %
	100' - 110' =	10'	0.45 %
	120' - 170' =	50'	0.80 %
	180' - 190' =	10'	0.60 %
	200' - 210' =	10'	0.35 %
	230' - 270' =	40'	0.42 %
	280' - 300' =	20'	0.55 %
Q98	30'-130' =	100'	0·14 %
	130'-300' =	170'	0·66 %
Q99	50'-300' =	250'	0.67 %
Q100	70'-90' =	20'	0.63 %

Hole	Et.	Assay
Q100	120'-130' = 10'	0.22 % Cu
	140'-150' = 10'	0.18 %
	160'-170' = 10'	0.25 %
	190'-210' = 20'	0.18 %
	220'-250' = 30'	0.44 %
	260'-300' = 40'	0.29 %
QIOI	$100^{1} - 110^{1} = 10^{1}$	0.20 %
	140'-150' = 10'	0.22 %
	160'-170' = 10'	0.35 %
	180'-220' = 40'	0.61 %
	230'-240' = 10'	0.33 %
-	270'-300' = 30'	0.91 %
Q102	40'-150' = 110'	0.36 %
	160'-300' = 140'	0.65 %
0103	80'-90' = 10'	0.37 %
	130'-300' = 170'	0.69 %
Q104	70'-300' = 230'	0.45 %
Q105	40'-300' = 260'	0.87 %
Q106	20'-300' = 280'	1.03 %
Q107	100'-300' = 200'	0.56 %
Q108	140'-190' = 50'	0.31 %
	200'-270' = 70'	0.27 %
	270'-300' = 30'	0.12 %
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LEGEND

Zone of best mineralization

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BACON & CROWHURST LTD.

SKETCH SHOWING LOCATION (PENDING SURVEY) OF

AFTON MINES LTD., (ZONE II) PERCUSSION HOLES AND ASSAYS

SCALE |" = 100 FT.

OCT. 1971