

1677

GEOCHEMICAL SURVEY

Of Portion of AFTON Claims

50° 30' N, 120° 30' E.

done AUGUST, 1968 by C. F. Millar, P.Eng.

For AFTON MINES LTD.

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INTRODUCTION:

Afton Mines Limited presently hold 48 Mineral Claims located approximately 10 miles west of Kamloops, just south of the Trans Canada Highway.

The geochemical work described in this report was done as assessment work on only two of the claims involved, and as such covers only a small portion of the total area. The intention of the author is to continue the geochemical survey on further claims as needed and/or warranted. The bulk of the time and cost of the present work was involved in establishment of a survey grid which ties in this geochemical survey with the results of earlier drilling, etc.

WORK DONE:

The area under present consideration was surveyed into a grid pattern, oriented in approximately the cardinal directions, and consisting of stations 100 feet apart along N.S. lines 400 feet apart.

Soil samples were taken in the usual manner, i.e., by hand trowel at a depth of several inches - and assayed in parts per million copper by Coast Eldridge Laboratories. The assay sheets are enclosed within this report, and are also plotted on the accompanying map.

COST OF WORK DONE:

The fieldwork was done under contract by C. F. Millar Ltd. A breakdown of the billing by that company to Afton Mines Limited is as follows:

Supervisor-Engineer, C. F. Millar, 2 days fieldwork Aug. 22-24, 1964, and 1 day office October 10th.

Fee for above	\$200.00
Sample bags, survey instruments, etc.	37.50
Assaying	87.00
Transportation & Living Expenses	88.63
Office overhead, etc.	<u>32.50</u>

Total Cost: \$445.63

INTERPRETATION OF RESULTS:

As can be seen from the map, the main anomalous zone occurs on the AFTON #1 and #3 Claims, and trends E.-W., closing to the east and opening to the west. Earlier drilling has disclosed the occurrence of roughly one million tons of economic-grade mineralization in a zone roughly under the B/L, from 110 E. to 125 E.

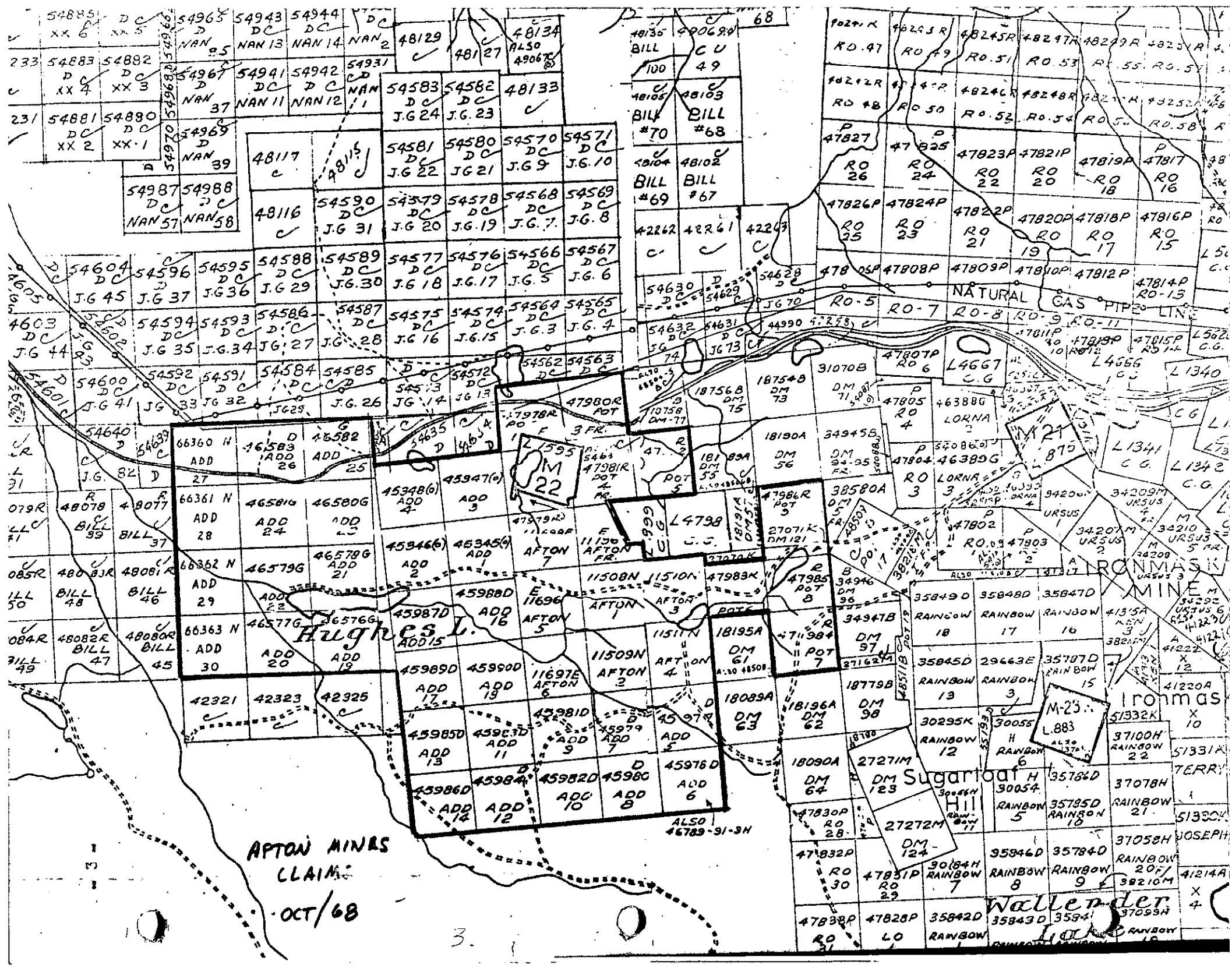
The soil survey, therefore, corresponds very well with the drilling results, and as such should act as a good guide for further drilling.

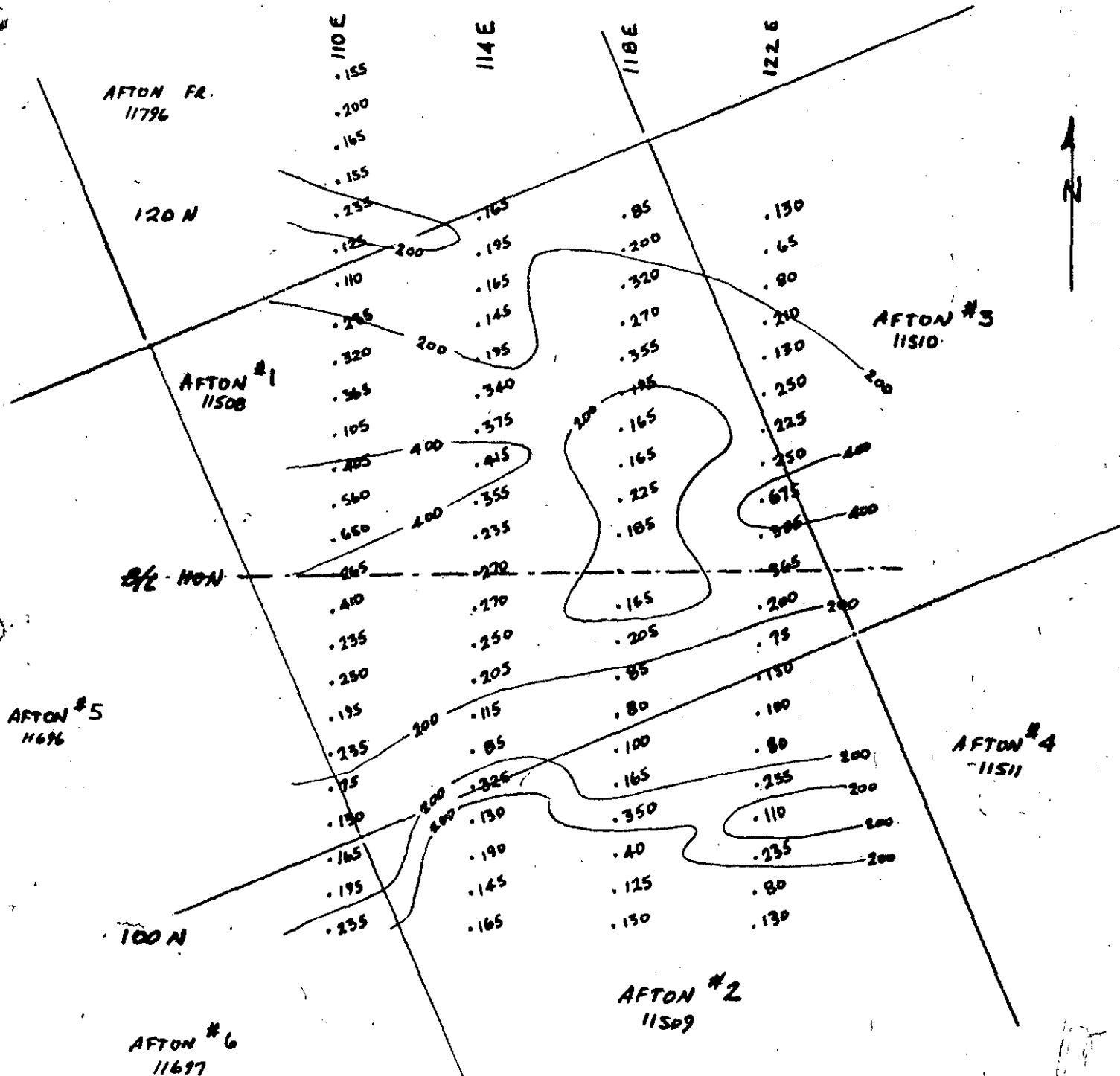
RECOMMENDATIONS:

Continuation of the soil survey would be an excellent choice if and when further exploration work becomes desirable.

Respectfully submitted,

C. F. Millar, P.Eng.





MAP OF
PORTION OF AFTON CLAIMS
SHOWING

GEOCHEMICAL SURVEY RESULTS

7 inch = 400 feet

Oct 10/68

C. F. Smith
P. Eng.



WARNOCK HERSEY
INTERNATIONAL LIMITED

COAST ELDRIDGE
PROFESSIONAL SERVICES DIVISION

125 East 4th Ave., Vancouver 10, B. C. Phone 876-4111 — Telex 04-50353

REPORT OF: **Geochemical Analysis**

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FILE NO: **2220**

AT **Vancouver Laboratory**

DATE **October 8, 1968**

PROJECT: **Soil Samples**

REPORT NO:

REPORTED TO: **C. F. Millar Ltd.
1758 East 8th Avenue
Vancouver, B. C.**

ORDER NO:

Attention: Mr. C. F. Millar

We have tested 87 samples of Soil submitted by you on September 26, 1968, and report as hereunder:

TEST PROCEDURE:

The samples were tested by the "Total Extraction" method.

RESULTS:

<u>Sample No.</u>	<u>Copper (ppm)</u>	<u>Sample No.</u>	<u>Copper (ppm)</u>
110 E 100 N	235	110 E 120 N	235
110 E 101 N	195	110 E 121 N	155
110 E 102 N	165	110 E 122 N	165
110 E 103 N	130	110 E 123 N	200
110 E 104 N	75	110 E 124 N	155
110 E 105 N	235	114 E 100 N	165
110 E 106 N	195	114 E 101 N	145
110 E 107 N	250	114 E 102 N	190
110 E 108 N	235	114 E 103 N	130
110 E 109 N	410	114 E 104 N	325
110 E 110 N	265	114 E 105 N	85
110 E 111 N	650	114 E 106 N	115
110 E 112 N	560	114 E 107 N	205
110 E 113 N	405	114 E 108 N	250
110 E 114 N	105	114 E 109 N	270
110 E 115 N	365	114 E 110 N	270
110 E 116 N	320	114 E 111 N	235
110 E 117 N	235	114 E 112 N	355
110 E 118 N	110	114 E 113 N	415
110 E 119 N	125	114 E 114 N	375

... 2

RESULTS; (Cont'd)

<u>Sample No.</u>	<u>Copper (ppm)</u>
114 E 115 N	340
114 E 116 N	195
114 E 117 N	145
114 E 118 N	165
114 E 119 N	195
114 E 120 N	165
118 E 100 N	130
118 E 101 N	125
118 E 102 N	40
118 E 103 N	350
118 E 104 N	165
118 E 105 N	100
118 E 106 N	80
118 E 107 N	85
118 E 108 N	205
118 E 109 N	165
118 E 111 N	185
118 E 112 N	225
118 E 113 N	165
118 E 114 N	165
118 E 115 N	195
118 E 116 N	355
118 E 117 N	270
118 E 118 N	320
118 E 119 N	200

<u>Sample No.</u>	<u>Copper (ppm)</u>
118 E 120 N	85
122 E 100 N	130
122 E 101 N	80
122 E 102 N	235
122 E 103 N	110
122 E 104 N	255
122 E 105 N	80
122 E 106 N	100
122 E 107 N	150
122 E 108 N	75
122 E 109 N	200
122 E 110 N	365
122 E 111 N	385
122 E 112 N	675
122 E 113 N	250
122 E 117 N	225
122 E 115 N	250
122 E 116 N	130
122 E 117 N	210
122 E 118 N	80
122 E 119 N	65
122 E 120 N	130

COAST ELDRIDGE


D. Timms
Provincial Assayer

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