PERCUSSION DRILLING

and

SOIL GEOCHEMISTRY REPORT

on the

M & R 1-4 Mineral Claims
Record Nos. 7273-7276

KAMLOOPS MINING DIVISION

NTS 92I/10E

Latitude: 50'31'N Longitude: 120'31'W

AFTON OPERATING CORPORATION
P.O. Box 937
Kamloops, BC
V2C 5N4

by

Lorne A. Bond
Senior Geologist

Kamloops, BC November 10, 1988

ARIS SUMMARY SHEET

District Geologist, Kamloops — Off Confidential: 89.09.12

ASSESSMENT REPORT 18082 — MINING DIVISION: Kamloops

PROPERTY: M&R
LOCATION: LAT 50 31 00 LONG 120 32 00
UTM 10 5598765 674872
NTS 092I10E
CLAIM(S): M&R 1-4
OPERATOR(S): Afton Operating
AUTHOR(S): Bond, L.A.
REPORT YEAR: 1988, 33 Pages
COMMODITIES SEARCHED FOR: Copper,Gold
GEOLOGICAL SUMMARY: The claims cover a poorly exposed Triassic alkaline stock within Nicola Group volcanic and sedimentary rocks. Pyrite and weak chalcopyrite mineralization occurs peripheral to the stock, within Nicola Group rocks and within the intrusive, accompanied by varying degrees of propylitic alteration.
WORK DONE: Geochemical,Drilling
PERD 233.1 m 3 hole(s)
Map(s) - 1; Scale(s) - 1:10 000
SAMP 71 sample(s) ;CU,AU
SOIL 248 sample(s) ;CU,AU
Map(s) - 1; Scale(s) - 1:10 000
MINFILE: 092INE167

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TABLE OF CONTENTS

LIST OF FIGURES

Introduction

The Walloper Creek property is located 18 kilometres southwest of Kamloops, immediately north of Walloper Lake and west of the Coquihalla Highway. The property consists of the M & R Claim Group, 4 claims with a total of 72 units, located in August, 1987.

The claims are situated on the southeast side of Chuwels Mountain at elevations ranging from 1400 to 1750 metres. The area is covered by moderately dense fir and spruce forests with large stands of poplar occurring mainly in a pronounced northeasterly to northerly trending belt in the central part of the claim group. Lodgepole Lake and numerous swampy areas provide good sources of water on the property.

Access to the claims is provided by the Chuwels Mountain gravel road which exits off the Logan Lake - Kamloops road and crosses under the Coquihalla Highway near Stake Lake. The north half of the property is traversed by several logging roads while the south has only limited access at present.

Property Description

The M & R Claim Group is wholly owned by Afton Operating Corporation and consists of the following:

Claim Name	Units	Record No.	Expiry Date
M & R 1	16	7273	Sept. 15, 1990*
M & R 2	16	7274	Sept. 15, 1990*
M & R 3	20	7275	Sept. 15, 1990*
M & R 4	20	7276	Sept. 15, 1990*
TOTAL	72		

* Upon approval of assessment work described in this report and covered in a statement of Exploration and Development submitted on September 12, 1988.

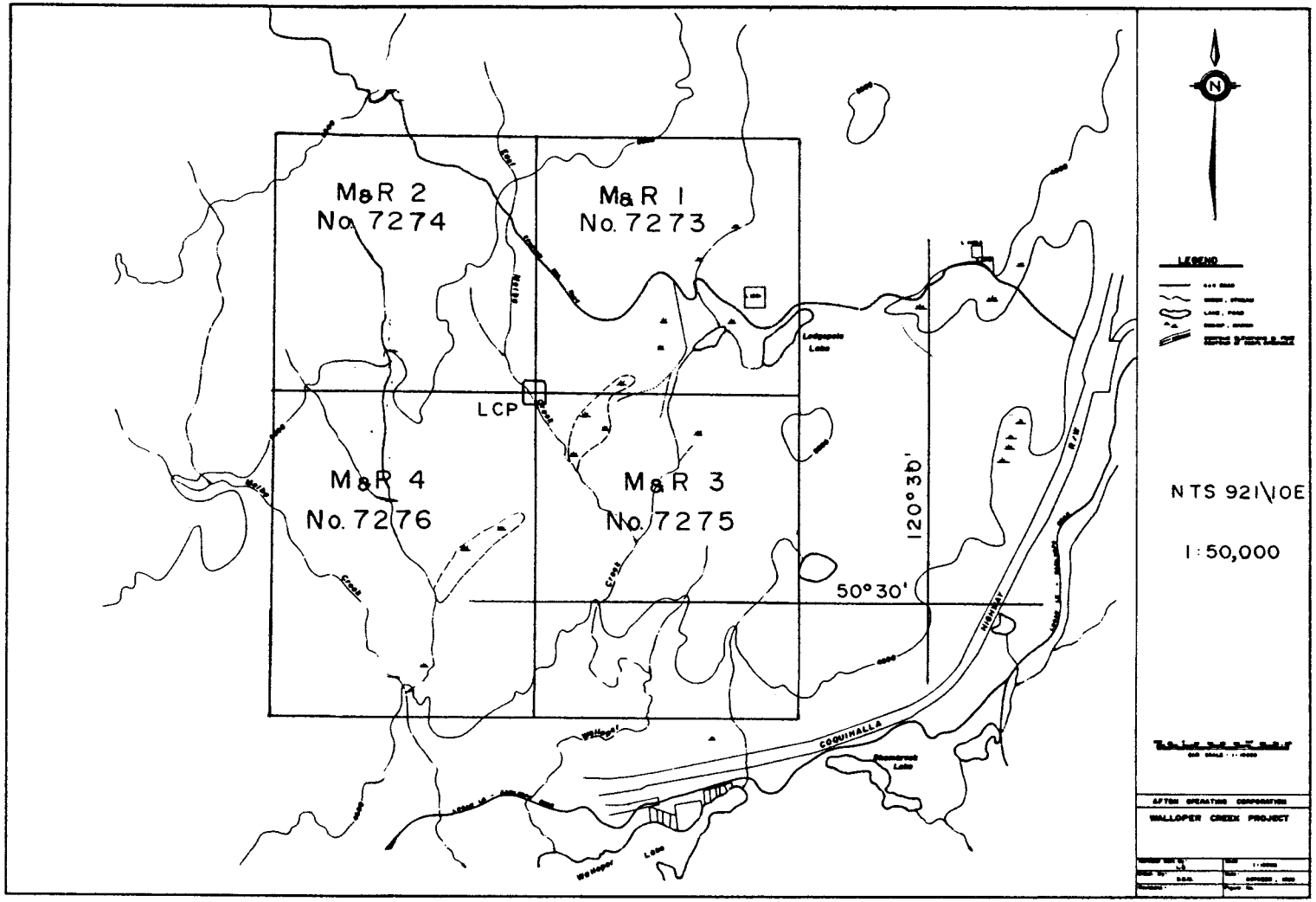

Figure 1. Location and Claim Map

Previous Work

In 1970, Canadian Johns Manville staked the Pine and Fir groups (159 claims) to the east of what is now the Walloper Creek property and between 1970-71 did I.P., soil geochemistry, ground magnetics, and drilled 5 diamond drill holes (assessment report 3892 and 3893). The claims were subsequently dropped.

On the west side of the property, work in 1972 by Texal Development consisted of a soil geochemical survey for copper (assessment report 4059).

In 1977, Cominco located the Chum claims over the area now covered by the M & R claims as well as additional ground to the north and east. During 1977-1978, a program of geological mapping, induced polarization surveys, and ground magnetics was completed (assessment report 7244). The claims were allowed to lapse.

Current Program

The M & R claims were located in August 1987, to cover a Triassic alkaline intrusive indicated by a strong aeromagnetic anomaly and subsequent ground surveys by previous operators. Initial work consisted of a reconnaissance soil geochemistry program to determine the presence of anomalous Cu and/or Au values. Three percussion drill holes were completed in areas of general overburden cover to obtain geological and assay information.

a) Geochemistry. The soil samples were collected by M. Porter with the assistance of R. Price during the period of August 28 to September 8, 1987. A total of 248 soil samples were collected at 100m intervals along the boundaries of the claims and on one east-west line approximately across the center of the M & R 3 and 4 claims (Fig. 2 - in pocket). The samples were delivered to Kamloops Research and Assay Laboratory for Cu and Au analyses. The analytical method is described in the appendix.

Most of the samples were collected from the top B-horizon. A mattock was used to dig a hole through the A horizon to the B-horizon. The B-horizon was reasonably well developed on most of the property. A few organic samples were collected in swampy areas.

No significant copper or gold mineralization was indicated by geochem results. Gold values were generally below 5ppb and copper values were quite low. Occasional erratic Au values do not appear to have any special significance. Copper values are slightly higher on the north margin of the property. Outcrops of Triassic Nicola Volcanics with weak pyrite and chalcopyrite mineralization are noted in this area. On the south half of the property, overburden thickness is generally 15 metres in depth or deeper and outcrops are non-existent.

b) Percussion Drilling. In view of the general lack of outcrop over the location of the alkaline intrusive, as indicated by the 400 gamna contour of the ground magnetic survey (Cominco, 1978), a program of percussion drilling was designed to obtain more data. The holes were positioned within or close to the

assumed outline of the intrusive. The objectives were to get a look at the source of the magnetic anomaly and to obtain data on Cu - Au mineralization within the intrusive.

H. Horning Percussion Drilling was retained for the program and 3 vertical percussion holes for a total of 233.1m (765 feet) were completed between August 24 and August 30, 1988. Samples were collected for each 10 foot (3.05m) advance and sent to the Afton Operating Corporation analytical lab for assaying. The samples were dried and broken down. Sample volume was reduced to 250 grams using a Jones riffle. This smaller sample was then pulverized. Reject material from the splitter was bagged, labelled and stored.

Assays for copper were performed by dissolution followed by atomic absorption spectrophotometry analysis. Gold assays were performed by fire assaying with atomic absorption analysis of the resultant bead in a methyl isobutyl ketone medium.

Detailed logs and assay results are included in the appendix. While assay values were subeconomic, increased propylitic alteration and the presence of chalcopyrite were noted in P-88-3.

P-88-1 (South Side of the Chuwhels Mountain Road - 400m east of west boundary of M & R1).

0-15.2 m	Overburden
15.2-50.3 m	Medium green porphyritic rock with plagioclase phenocrysts; andesitic composition, possible intrusive or volcanic origin; minor epidote-chlorite alteration. Stopped in fault at 50.3m.
	No visible mineralization.

P-88-2 (25 m north of Post 2E, M & R 1).

0-39.6 m	Overburden.
39.6m - 91.4 m	Alternating equigranular diorite and porphyritic rock; propylitic alteration with significant epidote present.
	Magnetite noted throughout; pyrite present from 61 m - 73 m and 85.3 - 91.4 m.

P-88-3 (135 m east and 22 m south of Post 1E, M & R 3).

0-15.2 m	Overburden.
15.2 m - 91. 4m.	Porphyritic intrusive rock; biotite, hornblende, and pyroxene phenocrysts noted; pervasive saussuritization; strong propylitic alteration with epidote throughout; biotite and muscovite present from 15.2 m - 48.8 m.
	Trace chalcopyrite noted from 48.8 m - 67 m and rarely to 91.5 m. Magnetite present throughout; pyrite noted from 42.6 m to 91.4 m.

S T A T E M E N T O F C O S T S

Percussion Drilling (Aug. 24-30, 1988)	
H.N. Horning Percussion Drilling Ltd.	
765 feet @ $6.50 per foot.	$ 4,972.50
3 bags of mud @ $9.40 each.	28.20
Assaying Percussion Drill Samples	
71 samples for Cu and Au @ 13.60 each.	965.60
71 samples - wet sample handling.	142.00
Truck Rental	
14 days @ $25.00 per day.	350.00
Kamloops Research and Assay Lab. Ltd.	
248 soil samples for Cu and Au @ $7.75 each.	1,922.00
Salaries, soil sampling, Aug. 28 - Sept. 8, 1987	
M. Porter, Fieldman, 7 days @ $118 per day.	826.00
R. Price, Field Asst. 7 days @ $84 per day.	588.00
Salaries, percussion drilling, Aug. 24-30, 1988	
L. Tsang, Exploration Geologist.	
Supervise drilling, log cuttings.	
3 days @ $185 per day.	555.00
L. Bond, Senior Geologist.	
Program planning, supervision, reports	
7 days @ $225 per day.	1,575.00
	$11,924.30
Withdrawn from Afton PAC account.	2,475.70
Total applied to claims.	$14,400.00

STATEMENT OF QUALIFICATIONS

I, Lorne Allan Bond, of the City of Kamloops, British Columbia, do hereby certify that:

1. I am a qualified, practicing Geologist.

2. I am a graduate of Loyola College (University of Montreal), with a B. Sc. (1967) in Geotechnical Sciences.

3. I have practiced my profession since 1967 while employed with Sherritt-Gordon Mines Ltd., Cominco Ltd., and Afton Operating Corporation.

4. This report describes an exploration program performed under my supervision between August 1987, and September 1988.

Lorne A. Bond
Senior Geologist
Afton Operating Corporation

November 10, 1988

STATEMENT OF QUALIFICATIONS

I, Louis Hee-Choi Tsang, of the City of Kamloops, British Columbia, do hereby certify that:

1. I am a qualified, practicing geologist.

2. I am a graduate of the University of British Columbia with a B. Sc. (1972) in Geology and Geophysics.

3. I have practiced my profession since 1972 while employed with Granisle Copper Ltd., Highmont Operating Corporation and Afton Operating Corporation.

4. I have logged the drill cuttings of three percussion holes that were drilled on the M & R Claim Group in August 1988.

Louis H.C. Tsang
Exploration Geologist
Afton Operating Corporation

November 10, 1988

Appendix I Logs of Drill Cuttings and Assays

BOREHOLE CUTTING LOG

PH-88- #1
AUGUST 31, 1988

Hole No	Essential Minerals: Feldspar KF	Feldspar PC	QU	Mafic BI	Mafic HO	Secondary minerals: QU	KF	BI	MU	PY	CY	CL	EP	CB	Intensity of	Rock Type	Mineralization: CP	MO	BN	CC	PY	ME	MG	Assay: Mo	Cu	Remarks
50'-60'		✓			O						★	✓	★	O	M	PORP					✓					
-70'		✓			O						★	✓	★	O	M	PORP										
-80'		✓			O						★	✓	★	O	M	PORP										
-90'		✓			O						★	✓	O	O	I	PORP										
-100'		✓			O						★	✓	O	O	I	PORP										
-110'		✓			O						★	✓	O	O	I	PORP										MIXED WITH Oxidized materia
-120'		O			O						★	✓	O	O	I	PORP										✓
-130'		O			O						★	✓	O	O	I	PORP										✓
-140'		O			✓						★	✓	✓	✓	I	PORP										✓
-150'		O			✓						★		✓	✓	I	PORP										✓
150'-160'		O			✓						★		✓	✓	I	PORP										✓
160'-165'		O			✓						★		✓	✓	I	PORP										✓

MR CLAIM GROUP
PH - 88 - #2
AUGUST 31, 1988

BOREHOLE CUTTING LOG

Hole No	Essential Minerals				Secondary minerals									Intensity of alt.	Rock Type	Mineralization								Assay		Remarks/Date
	Feldspar		QU	Mafic		QU	KF	BI	MU	PY	CY	CL	EP	CB			CP	MO	BN	CC	PY	HE	MG		Mo	Cu	
	KF	PC		BI	HO																					
0'-20'																										OVERBURDEN
20'-30'																										〃
30'-40'																										〃
-50'																										〃
-60'																										〃
-70'																										〃
-80'																										〃
-90'																										〃
-100'																										〃
-110'																										〃
-120'																										〃
-130'																										〃
-140'																										〃
-150'																										〃
-160'																										〃
-170'																										〃
-180'																										〃
-190'		✓			0						0	✓	★	✓	L	PORP							0			OVERBURDEN
-200'		✓			10						0	✓	★	✓	L	PORP					0		0			MIXED WITH SOME OVERBURDEN
-210'		0			0				✓		0	✓	★	✓	L	PORP					✓		0			✓
-220'		10			10						0	✓	★	✓	L	PORP					✓		0			〃
-230'		0			10				-		0	✓	★	✓	L	DIOR					✓		0			〃
-240'		0			0						0	✓	★	✓	L	DIOR					✓		0			✓
-250'		0			010						0	✓	★	✓	L	DIOR							✓			〃
-260'		0			10				✓		0	✓	★	✓	L	DIOR		=					✓			
-270'		0			✓0				0		0	✓	★	✓	L	PORP + DIOR							✓			
-280'		✓			✓0				✓		0	✓	★	✓	L	PORP							✓			
-290'		✓			★10						0	✓	★	0	M	PORP							0			
-300'		0			✓0						✓	✓	★	✓	L	DIOR				✓			0			
-310'		0			10				✓		0	✓	★	✓	L	DIOR				✓			0			

MR CLAIM GROUP
PH-88-#3
AUGUST 31, 1988

BOREHOLE CUTTING LOG

Hole No	Essential Minerals: Feldspar KF	Feldspar PC	QU	Mafic BI	Mafic HO	Secondary minerals: QU	KF	BI	MU	PY	CY	CL	EP	CB	Intensity of Alt'n	Rock Type	Mineralization: CP	MO	BN	CC	PY	HE	MG			Assay: Mo	Cu	Remarks/Date
10'-20'																												OVERBURDEN
-30'																												OVERBURDEN
-40'																												OVERBURDEN
-50'																												OVERBURDEN
-60'		✓		O	O				✓		O	O	★	✓	M	PORP							✓					PORP = Porphyry of andesitic composition with coarse grain biotite and hornblende and pyroxene as phenocrysts. Pervasive Saussuritization
-70'		✓		✓	O				✓		O	O	★	✓	M	PORP							✓					
-80'		✓		★	✓				✓		✓	✓	★	✓	L	PORP							✓					
-90'		✓		O	✓				✓		O	O	★	✓	L	PORP												
-100'		✓		★	✓				✓		✓	O	★	✓	L	PORP												
-110'		✓		O	O				✓		✓	O	★	✓	L	PORP												
-120'		✓		O	O				✓		✓	O	★	✓	L	PORP							✓					
-130'		✓		✓	O				✓		✓	O	★	✓	L	PORP							✓					
-140'		O		✓	O				✓		✓	O	★	✓	M	PORP					✓		✓					
-150'		O		✓	O				✓		O	O	★	O	M	PORP	✓		?		✓							
-160'		★		✓	O				✓		✓	✓	★	O	M	PORP + DIOR	O				✓		✓					DIOR = Diorite Mixture of porphyry & diorite
-170'		★			O						O	O	★	✓	M	DIOR	✓				✓		✓					
-180'		✓		✓	O						O	O	★	✓	L	PORP	✓				✓		O					
-190'		✓			O						O	O	★	✓	L	PORP							O					
-200'		✓			O						O	O	★	✓	L	PORP	✓				★		✓					
-210'		✓			O						O	O	★	✓	L	PORP			?		O		O					
-220'		✓			O						O	O	★	✓	L	PORP	✓				✓		O					
-230'		O			O						O	O	★	✓	L	PORP + DIOR					✓		✓					
-240'		✓			✓				✓		O	O	★	✓	L	PORP							O					
-250'		O			O						O	O	★	✓	L	PORP	✓				✓		O					
-260'		✓			O						O	O	★	✓	L	PORP			=				✓					
-270'		O			O						O	O	★	✓	L	PORP					O		O					
-280'		O			O						★	O	★	✓	M	PORP	✓				O		✓					
-290'		O			O						O	O	★	✓	L	PORP					✓		✓					
-300'		✓			O						O	O	★	✓	L	PORP					✓		✓					

Louis Tsang

AFTON OPERATING CORPORATION

INTER-OFFICE LETTER DATE: Sept. 02, 1988

COPIES TO:

TO: Lorne Bond

FROM: Joe Mihalech

WHEN FEASIBLE, CONFINE LETTER TO ONE SUBJECT

RE: AFTON'S ASSAYS ON PERCUSSION DRILL SAMPLES

Hole	Depth Interval	Cu (%)	Au (opst)
PH-88-1	50-60	.014	L.0005
	60-70	.016	L.0005
	70-80	.012	L.0005
	80-90	.013	.0012
	90-100	.011	L.0005
	100-110	.011	.0008
	110-120	.012	.0007
	120-130	.018	.0010
	130-140	.015	L.0005
	140-150	.015	.0007
	150-160	.016	.0005
	160-165	.015	.0005
P 88-2	0-10	.012	L.0005
	10-20	.010	L.0005
	20-30	.008	L.0005
	30-40	.010	L.0005
	40-50	.010	L.0005
	50-60		L.0005
	60-70	.012	L.0005
	70-80	.009	L.0005
	80-90	.006	.0020
	90-100	.006	L.0005
	110-110	.004	.0007
	110-120	.008	.0008
	120-130	.004	.0009
	130-140	.008	.0010
	140-150	.009	.0013
	150-160	.012	.0008
	160-170	.013	.0005
	170-180	.013	.0005
	180-190	.015	.0006
	190-200	.014	.0007
	200-210	.029	.0007
	210-220	.012	.0007
	220-230	.010	L.0005

...2

L. Bond Sept.02/88

Hole	Depth Interval	Cu (%)	Au (opst)
	230-240	.012	.0013
	240-250	.012	.0016
	250-260	.013	.0007
	260-270	.014	.0007
	270-280	.011	.0008
	280-290	.010	.0008
	290-300	.010	.0011
	300-310	.014	.0012

Joe Mihalech

J. Mihalech,
Chief Assayer

JM/rd

AFTON OPERATING CORPORATION

INTER-OFFICE LETTER DATE: Sept. 14/88

COPIES TO:

TO: L. Bond

FROM: J. Mihalech

WHEN FEASIBLE, CONFINE LETTER TO ONE SUBJECT

RE: AFTON'S ASSAYS ON PERCUSSION DRILL SAMPLES

Hole	Depth Interval (Ft.)	Cu (%)	Au (opst)
PH88-3	10-20	.016	.0007
	20-30	.014	.0009
	30-40	.015	.0010
	40-50	.015	.0009
	50-60	.014	.0017
	60-70	.020	.0022
	70-80	.013	.0014
	80-90	.011	.0015
	90-100	.009	.0011
	100-110	.014	.0006
	110-120	.017	.0009
	120-130	.016	.0011
	130-140	.022	.0010
	140-150	.020	.0009
	150-160	.031	.0009
	160-170	.028	.0014
	170-180	.019	.0011
	180-190	.018	.0010
	190-200	.015	.0035
	200-210	.018	.0021
	210-220	.022	.0025
	220-230	.016	.0009
	230-240	.014	L.0005
	240-250	.015	.0010
	250-260	.016	.0006
	260-270	.016	.0009
	270-280	.018	.0010
	280-290	.019	.0011
	290-300	.016	.0005

Joe Mihalech

J. Mihalech,
Chief Assayer

JM/rd

AML 103

Appendix II

Soil Sampling Analyses

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT — KAMLOOPS, B.C.
V2C 5P5
PHONE: (604) 372-2784 — FAX 372-1112

GEOCHEMICAL ANALYSIS METHODS

Sample preparation

1. Soils - The samples are dried in our geochemical drying oven and then screened through a stainless steel 80 mesh sieve. The minus 80 fraction is reserved for analysis and the plus 80 fraction is discarded (unless we have been requested to save it).

2. Rocks - The samples are dried, crushed, split then ground using a ring-grinder to approximately -100 mesh.

Au Method

Half to one assay ton of sample is weighed, silver added, along with fluxes and the sample is started as a fire assay. After cupellation the bead is dissolved and the sample is mixed to ensure homogeneity and ,after settling, is read on an atomic absorption spectrophotometer using an air acetylene flame.

Cu, Pb, Zn, Ag, Mo, Ni, Sb, Co, Fe,Cd, Bi, Mn
Atomic Absorption

Weigh 1 gram of sample into test tube. Add .5 ml nitric acid. Place in hot water bath for 30 minutes. Add 1.5 ml hydrochloric acid and leave in hot water bath for a further 90 minutes. Bulk to 10 ml with distilled water. Mix thoroughly and read on A.A. For Mo samples AlCl3 must be added. Use background correction for Pb, Ag, Sb, Co, Cd.

KAMLOOPS RESEARCH
&
ASSAY LABORATORY
LTD.

B.C. CERTIFIED ASSAYERS

912 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5
PHONE 372-2784 - TELEX 048-8320 - FAX 372 1112

GEOCHEMICAL LAB REPORT

AFTON MINES LTD.
BOX 937
KAMLOOPS, B.C.
V2C 5N4

DATE SEPTEMBER 17, 1987

FILE NO. G 1763

ATTENTION: LORNE BOND

KRAL NO.	IDENTIFICATION	AU	CU
1	269 M+R	3.0	25.0
2	270	3.0	23.0
3	271	3.0	23.0
4	272	3.0	25.0
5	273	3.0	16.0
6	274	3.0	20.0
7	275	3.0	19.0
8	276	3.0	17.0
9	278	3.0	47.0
10	279	3.0	23.0
11	280	3.0	20.0
12	281	3.0	19.0
13	282	3.0	21.0
14	283	3.0	22.0
15	284	3.0	18.0
16	285	3.0	41.0
17	286 M+R	3.0	30.0

IN AU COLUMN 3 INDICATES <5PPB

KAMLOOPS RESEARCH
&
ASSAY LABORATORY
LTD.

B.C. CERTIFIED ASSAYERS

912 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5
PHONE 372-2784 - TELEX 048-8320 - FAX 372 1112

GEOCHEMICAL LAB REPORT

AFTON MINES LTD.
BOX 937
KAMLOOPS, B.C.
V2C 5N4

ATTENTION LORNE BOND

DATE SEPTEMBER 17, 1987

FILE NO. G 1753

KRAL NO.	IDENTIFICATION	AU	CU
1	163 M+R	3.0	36.0
2	164	3.0	27.0
3	165	3.0	22.0
4	166	3.0	30.0
5	167	3.0	13.0
6	168	3.0	13.0
7	169	3.0	18.0
8	170	3.0	15.0
9	171	3.0	42.0
10	172	3.0	21.0
11	173	3.0	47.0
12	174	3.0	24.0
13	176	3.0	23.0
14	177	3.0	27.0
15	178	3.0	24.0
16	179	3.0	22.0
17	180	3.0	18.0
18	181	3.0	26.0
19	182	3.0	21.0
20	183	3.0	22.0
21	184	3.0	25.0
22	185	3.0	26.0
23	186	3.0	46.0
24	187	3.0	50.0
25	189	3.0	39.0
26	190	3.0	36.0
27	191	3.0	38.0
28	192	3.0	32.0
29	195	3.0	62.0
30	196 M+R	3.0	59.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G 1753

KRAL NO.	IDENTIFICATION	AU	CU
31	197 M+R	3.0	60.0
32	198	3.0	105.0
33	199	3.0	105.0
34	200	3.0	31.0
35	201	3.0	39.0
36	202	3.0	37.0
37	203	3.0	33.0
38	204	3.0	26.0
39	207	3.0	80.0
40	208	3.0	34.0
41	209	3.0	31.0
42	210	3.0	26.0
43	211	3.0	32.0
44	213	3.0	20.0
45	214	3.0	25.0
46	215	3.0	36.0
47	216	3.0	24.0
48	217	3.0	23.0
49	222	3.0	22.0
50	224	3.0	50.0
51	225	3.0	39.0
52	226	3.0	24.0
53	227	3.0	23.0
54	228	3.0	33.0
55	229	3.0	26.0
56	230	3.0	22.0
57	232	3.0	33.0
58	233	3.0	30.0
59	234	3.0	30.0
60	235	3.0	27.0
61	237	3.0	37.0
62	238	3.0	30.0
63	239	3.0	40.0
64	240	3.0	53.0
65	241	3.0	28.0
66	242	3.0	40.0
67	243	3.0	35.0
68	244	3.0	36.0
69	245	3.0	64.0
70	246 M+R	3.0	48.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G 1753

KRAL NO.	IDENTIFICATION	AU	CU
71	247 M+R	3.0	59.0
72	248	3.0	120.0
73	249 M+R	3.0	61.0

IN AU COLUMN 3 INDICATES <5PPB

KAMLOOPS RESEARCH
&
ASSAY LABORATORY
LTD.

B.C. CERTIFIED ASSAYERS

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GEOCHEMICAL LAB REPORT

AFTON MINES LTD.
BOX 937
KAMLOOPS, B.C.
V2C 5N4

DATE SEPTEMBER 17, 1987

FILE NO. G 1757

ATTENTION: LORNE BOND

KRAL NO.	IDENTIFICATION	AU	CU
1	250 M+R	3.0	25.0
2	251	3.0	30.0
3	252	3.0	30.0
4	253	3.0	23.0
5	254	3.0	30.0
6	255	3.0	30.0
7	256	3.0	42.0
8	257	3.0	25.0
9	258	3.0	27.0
10	259	3.0	24.0
11	260	3.0	35.0
12	261	3.0	29.0
13	262	180.0	25.0
14	263	3.0	22.0
15	264	3.0	31.0
16	265	3.0	31.0
17	266	3.0	37.0
18	267	3.0	21.0
19	268 M+R	3.0	26.0

IN AU COLUMN 3 INDICATES <5PPB

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GEOCHEMICAL LAB REPORT

AFTON MINES LTD.
BOX 937
KAMLOOPS, B.C.
V2C 5N4

DATE SEPTEMBER 11, 1987

FILE NO. G 1746

ATTENTION: LORNE BOND

KRAL NO.	IDENTIFICATION	AU	CU
1	0+00 M+R	3.0	21.0
2	1	3.0	48.0
3	2	3.0	26.0
4	3	3.0	29.0
5	4	3.0	25.0
6	5	3.0	36.0
7	6	3.0	47.0
8	7	3.0	36.0
9	9	5.0	35.0
10	11	3.0	33.0
11	12	3.0	48.0
12	13	3.0	31.0
13	14	3.0	29.0
14	15	3.0	29.0
15	16	3.0	36.0
16	17	3.0	26.0
17	18	3.0	28.0
18	20	3.0	16.0
19	21	3.0	17.0
20	22	3.0	28.0
21	24	3.0	42.0
22	25	3.0	20.0
23	26	3.0	36.0
24	27	3.0	23.0
25	28	3.0	16.0
26	31	3.0	105.0
27	32	3.0	50.0
28	33	3.0	81.0
29	34	3.0	26.0
30	35 M+R	3.0	34.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1746

KRAL NO.	IDENTIFICATION	AU	CU
31	36 M+R	3.0	30.0
32	37	3.0	20.0
33	39	3.0	16.0
34	40	3.0	23.0
35	80	3.0	36.0
36	81	3.0	23.0
37	82	3.0	42.0
38	83	3.0	44.0
39	86	3.0	47.0
40	87	3.0	27.0
41	88	3.0	52.0
42	89	3.0	59.0
43	91	3.0	34.0
44	92	3.0	12.0
45	93	3.0	29.0
46	94	3.0	40.0
47	95	3.0	17.0
48	96	3.0	33.0
49	97	3.0	56.0
50	98	3.0	35.0
51	99	3.0	30.0
52	100	3.0	22.0
53	101	3.0	27.0
54	102	3.0	15.0
55	103	3.0	37.0
56	104	3.0	32.0
57	105	3.0	25.0
58	106	3.0	31.0
59	107	3.0	35.0
60	108	3.0	22.0
61	109	3.0	31.0
62	110	3.0	24.0
63	111	3.0	29.0
64	112	5.0	63.0
65	113	3.0	27.0
66	114	10.0	146.0
67	115	3.0	40.0
68	116	3.0	34.0
69	117	3.0	19.0
70	118 M+R	3.0	41.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1746

KRAL NO.	IDENTIFICATION	AU	CU
71	119 M+R	10.0	18.0
72	120	3.0	94.0
73	121	3.0	49.0
74	122	3.0	86.0
75	123	3.0	31.0
76	124	3.0	92.0
77	125	3.0	36.0
78	126	10.0	69.0
79	127	3.0	30.0
80	128	3.0	49.0
81	129	3.0	36.0
82	131	3.0	90.0
83	132	3.0	61.0
84	133	3.0	27.0
85	134	3.0	75.0
86	135	3.0	27.0
87	137	3.0	26.0

IN AU COLUMN 3 INDICATES <5PPB

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GEOCHEMICAL LAB REPORT

AFTON MINES LTD.
BOX 937
KAMLOOPS, B.C.
V2C 5N4

DATE SEPTEMBER 11, 1987

FILE NO. G 1750

ATTENTION: LORNE BOND

KRAL NO.	IDENTIFICATION	AU	CU
1	41 M+R	3.0	38.0
2	42	3.0	53.0
3	43	3.0	26.0
4	45	3.0	50.0
5	46	3.0	205.0
6	47	3.0	15.0
7	49	3.0	19.0
8	50	3.0	56.0
9	54	3.0	20.0
10	56	3.0	24.0
11	57	3.0	29.0
12	59	3.0	43.0
13	60	3.0	25.0
14	62	3.0	34.0
15	64	3.0	23.0
16	65	3.0	48.0
17	66	3.0	139.0
18	67	3.0	38.0
19	68	3.0	32.0
20	69	3.0	19.0
21	70	3.0	47.0
22	71	3.0	32.0
23	72	3.0	20.0
24	74	5.0	23.0
25	75	3.0	40.0
26	76	3.0	22.0
27	77	3.0	19.0
28	79	3.0	24.0
29	136	3.0	46.0
30	138 M+R	3.0	27.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO. G 1750

KRAL NO.	IDENTIFICATION	AU	CU
31	139 M+R	3.0	28.0
32	140	3.0	17.0
33	141	3.0	32.0
34	143	3.0	22.0
35	144	3.0	21.0
36	145	3.0	21.0
37	146	3.0	19.0
38	147	3.0	43.0
39	148	3.0	23.0
40	149	3.0	33.0
41	150	3.0	26.0
42	151	3.0	34.0
43	152	45.0	32.0
44	153	5.0	41.0
45	154	3.0	38.0
46	155	5.0	40.0
47	156	3.0	36.0
48	157	3.0	45.0
49	158	3.0	51.0
50	159	3.0	22.0
51	160	3.0	29.0
52	161	3.0	20.0
53	162	3.0	29.0

IN AU COLUMN 3 INDICATES <5PPB

KAMLOOPS RESEARCH
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GEOCHEMICAL LAB REPORT

AFTON MINES LTD.
BOX 937
KAMLOOPS, B.C.
V2C 5N4

DATE SEPTEMBER 11, 1987

FILE NO. G 1746

ATTENTION: LORNE BOND

KRAL NO.	IDENTIFICATION	AU	CU
1	0+00 M+R	3.0	21.0
2	1	3.0	48.0
3	2	3.0	26.0
4	3	3.0	29.0
5	4	3.0	25.0
6	5	3.0	36.0
7	6	3.0	47.0
8	7	3.0	36.0
9	9	5.0	35.0
10	11	3.0	33.0
11	12	3.0	48.0
12	13	3.0	31.0
13	14	3.0	29.0
14	15	3.0	29.0
15	16	3.0	36.0
16	17	3.0	26.0
17	18	3.0	28.0
18	20	3.0	16.0
19	21	3.0	17.0
20	22	3.0	28.0
21	24	3.0	42.0
22	25	3.0	20.0
23	26	3.0	36.0
24	27	3.0	23.0
25	28	3.0	16.0
26	31	3.0	105.0
27	32	3.0	50.0
28	33	3.0	81.0
29	34	3.0	26.0
30	35 M+R	3.0	34.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G 1746

KRAL NO.	IDENTIFICATION	AU	CU
31	36 M+R	3.0	30.0
32	37	3.0	20.0
33	39	3.0	16.0
34	40	3.0	23.0
35	80	3.0	36.0
36	81	3.0	23.0
37	82	3.0	42.0
38	83	3.0	44.0
39	86	3.0	47.0
40	87	3.0	27.0
41	88	3.0	52.0
42	89	3.0	59.0
43	91	3.0	34.0
44	92	3.0	12.0
45	93	3.0	29.0
46	94	3.0	40.0
47	95	3.0	17.0
48	96	3.0	33.0
49	97	3.0	56.0
50	98	3.0	35.0
51	99	3.0	30.0
52	100	3.0	22.0
53	101	3.0	27.0
54	102	3.0	15.0
55	103	3.0	37.0
56	104	3.0	32.0
57	105	3.0	25.0
58	106	3.0	31.0
59	107	3.0	35.0
60	108	3.0	22.0
61	109	3.0	31.0
62	110	3.0	24.0
63	111	3.0	29.0
64	112	5.0	63.0
65	113	3.0	27.0
66	114	10.0	146.0
67	115	3.0	40.0
68	116	3.0	34.0
69	117	3.0	19.0
70	118 M+R	3.0	41.0

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G 1746

KRAL NO.	IDENTIFICATION	AU	CU
71	119 M+R	10.0	18.0
72	120	3.0	94.0
73	121	3.0	49.0
74	122	3.0	86.0
75	123	3.0	31.0
76	124	3.0	92.0
77	125	3.0	36.0
78	126	10.0	69.0
79	127	3.0	30.0
80	128	3.0	49.0
81	129	3.0	36.0
82	131	3.0	90.0
83	132	3.0	61.0
84	133	3.0	27.0
85	134	3.0	75.0
86	135	3.0	27.0
87	137	3.0	26.0

IN AU COLUMN 3 INDICATES <5PPB

LEGEND

- 4 x 4 ROAD
- CREEK , STREAM
- LAKE , POND
- SWAMP , MARSH
- CONTOUR ELEVATIONS IN FEET CONTOUR AT 500Ft. INTERVALS.
- CLAIM BOUNDARY
- LOCATED CORNER POST
- PERCUSSION DRILL HOLE
- MAGNETIC CONTOUR (LIMIT OF ALKALINE SHOCK?)
- MAGNETIC LOW (LESS THAN 200 γ)

MAGNETIC DATA FROM COMINCO , 1979 .

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,082

200 100 0 100 200 300 400 500 600 700 800
BAR SCALE : 1 : 10000

AFTON OPERATING CORPORATION

WALLOPER CREEK PROJECT
M & R CLAIM GROUP
Percussion Drill Holes

Technical Work By : L.B.	Scale : 1 : 10000
Drawn By : D.B.M.	Date : OCTOBER , 1988
Revisions :	Figure No. 3


M & R 1
Rec. No. 7273
M & R 2
Rec. No. 7274
M & R 3
Rec. No. 7275
M & R 4
Rec. No. 7276
East Melba Creek
Melba Creek
Chumbers Mtn. Road
Lodgepole Lake
L 1261
L 1433 A
1849
LCP
Walloper
Walloper Lake
Shambrook Lake
COQUIHALLA HIGHWAY R/W
LOGAN LK. - KAMLOOPS ROAD
5000
4500
LEGEND
4 x 4 ROAD
CREEK, STREAM
LAKE, POND
SWAMP, MARSH
CONTOUR ELEVATIONS IN FEET CONTOUR AT 500Ft. INTERVALS.
CLAIM BOUNDARY
LOCATED CORNER POST
≤ 3ppb Au / 33 ppm Cu SAMPLE NO. & LOCATION
10 ppb Au / 40 ppm Cu
GEOLOGICAL BRANCH ASSESSMENT REPORT
18,082
BAR SCALE : 1 : 10000
AFTON OPERATING CORPORATION
WALLOPER CREEK PROJECT
M & R CLAIM GROUP
Soil Geochemical
Gold - Copper
Technical Work By: L.B.
Scale: 1 : 10000
Drawn By: D.B.M.
Date: OCTOBER, 1988
Revisions:
Figure No. 2