

**MINERAL
ENVIRONMENTS
LABORATORIES**
(DIVISION OF ASSAYERS CORP.)

NOV - 7 1990

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

521298

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1674-RA1

Company: **AMERICAN BULLION**
Projects:
Attn: **W. ROBERTS**

Date: **NOV-02-90**
Copy 1. AMERICAN BULLION, VANCOUVER, B.C.

We hereby certify the following Assay of 24 ROCK samples
submitted OCT-31-90 by D.HEINO.

TESTA dc 92L/5

Sample Number	AU g/tonne	AU oz/ton
11701	.02	.001
11702	.01	.001
11703	.02	.001
11704	.02	.001
11705	.04	.001

11706	.02	.001
11707	.01	.001
11708	.02	.001
11709	.02	.001
11710	.04	.001

11711	.02	.001
11712	.03	.001
11713	.01	.001
11714	.04	.001
11715	.01	.001

11716	.05	.001
11717	.01	.001
11718	.01	.001
11719	.04	.001
11720	.01	.001

11721	.01	.001
11722	.02	.001
11723	.23	.007
11724	.01	.001

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[Handwritten Signature]

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Assay Certificate

OV-1674-RA2

Company: **AMERICAN BULLION**
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Date: **NOV-02-90**
Copy 1. AMERICAN BULLION, VANCOUVER, B.C.

We hereby certify the following Assay of 24 ROCK samples submitted OCT-31-90 by D.HEINO.

Sample Number	AU g/tonne	AU oz/ton
11725	.01	.001
11726	.02	.001
11727	.01	.001
11728	.04	.001
11729	.01	.001

11730	.01	.001
11731	.02	.001
11732	.39	.011
11733	.05	.001
11734	.10	.003

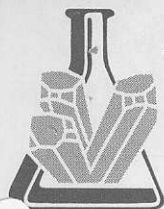
11735	.06	.002
11736	.18	.005
11737	.03	.001
11738	.04	.001
11739	.10	.003

11740	.02	.001
11741	.09	.003
11742	.40	.012
11743	.04	.001
11744	.01	.001

11745	1.76	.051
11746	7.92	.231
11747	12.60	.368
11748	3.04	.089

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Assay Certificate

OV-1674-RA3

Company: AMERICAN BULLION
Project:
Attn: W. ROBERTS

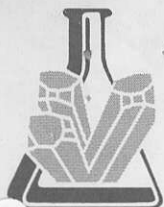
Date: NOV-02-90
Copy 1. AMERICAN BULLION, VANCOUVER, B.C.

We hereby certify the following Assay of 23 ROCK samples submitted OCT-31-90 by D.HEINO.

Sample Number	AU g/tonne	AU oz/ton
11749	1.62	.047
11750	1.23	.036
11751	.07	.002
11752	.01	.001
11753	.01	.001
11754	.01	.001
11755	.01	.001
11756	.01	.001
11757	.02	.001
11758	.01	.001
11759	.01	.001
11760	.16	.005
11761	.04	.001
11762	4.92	.144
11763	.23	.007
11764	3.16	.092
11765	7.62	.222
11766	3.22	.094
11767	.50	.015
11768	.07	.002
11769	.05	.001
11770	.04	.001
11771	.02	.001

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Geochemical Analysis Certificate

OV-1674-RG1

Company: **AMERICAN BULLION**
Project:
Attn: **W. ROBERTS**

Date: **NOV-02-90**
Copy 1. AMERICAN BULLION, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 24 ROCK samples submitted OCT-31-90 by D.HEINO.

Sample Number	CU PPM
---------------	--------

11701	2300
11702	1310
11703	1330
11704	435
11705	1180

11706	520
11707	97
11708	245
11709	138
11710	405

11711	5800
11712	710
11713	2950
11714	1730
11715	2900

11716	2850
11717	2870
11718	4060
11719	2340
11720	1900

11721	2400
11722	4000
11723	4200
11724	7750

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Geochemical Analysis Certificate

OV-1674-RG2

Company: **AMERICAN BULLION**
Project:
Attn: **W.ROBERTS**

Date: **NOV-02-90**
Copy 1. AMERICAN BULLION, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of **ROCK** samples submitted OCT-31-90 by D.HEINO.

Sample Number	CU PPM	ZN PPM
11725	1760	
11726	900	
11728		134
11729		840
11730		4800

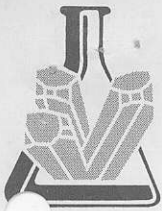
11731		5600
11732		1180
11733		18000
11734		17500
11735		890

11736		27000
11737		1250
11738		625
11739		6200
11754	980	

11755	585	
11756	1670	
11758		1140

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Geochemical Analysis Certificate

OV-1674-SG1

Company: **AMERICAN BULLION**
 Project:
 Attn: **W. ROBERTS**

Date: NOV-03-90

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TRETA ck

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted OCT-31-90 by D.HEINO.

Sample Number	AU-WET PPB	ZN PPM
T-1	5	
T-2	5	
T-3	5	
T-4	15	
T-5	185	

T-6	15	
T-7	40	
T-8	5	
T-9	20	
T-10	5	

T-11	5	
T-12	5	
T-13	5	
T-14	10	
T-15	5	

T-16	5	
T-17	5	
T-18	25	
T-19	145	
T-20	35	

T-21	15	
1080	140	
1160	45	
L1 25W	420	580
L1 50W	130	428

L1 75W	5	300
L1 100W	120	340
L1 125W	5	90
L1 150W	5	301
L1 175W	5	296

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Geochemical Analysis Certificate

0V-1674-SG2

Company: **AMERICAN BULLION**
Project:
Attn: **W. ROBERTS**

Date: **NOV-02-90**
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We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted OCT-31-90 by D.HEINO.

Sample Number	AU-WET FPB	ZN PPM
L1 200W	15	170
L2 25W	5	410
L2 50W	5	280
L2 75W	5	303
L2 100W	5	272

L2 125W	10	210
L2 150W	5	304
L2 175W	5	260
L2 200W	5	216
L3 0W	10	234

L3 25W	5	230
L3 50W	5	213
L3 75W	5	440
L3 100W	5	660
L3 125W	5	200

L3 150W	10	110
L4 0W	5	140
L4 25W	5	236
L4 50W	5	123
L4 75W	5	280

L4 100W	5	1490
L4 125W	10	420
L4 150W	5	188
L5 0W	5	
L5 50W	5	

L5 100W	10	
L5 150W	5	
L5 200W	5	
L5 250W	5	
L5 300W	5	

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SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

0V-1674-SG3

Company: **AMERICAN BULLION**
Project:
Attn: **W. ROBERTS**

Date: **NOV-03-90**
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We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted OCT-31-90 by D.HEINO.

Sample Number	AU-WET PPB
L5 350W	5
L5 400W	5
L5 450W	5
L5 500W	10
L5 550W	5

L5 600W	5
L5 650W	5
L6 0E	5
L6 50E	10
L6 100E	10

L6 150E	10
L6 200E	5
L6 250E	5
L6 300E	5
L6 350E	5

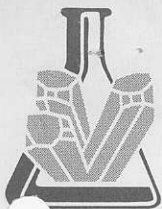
L6 400E	10
L6 450E	10
L6 500E	5
L6 550E	5
L6 600E	5

L6 650E	5
L6 700E	5
L7 0W	5
L7 50W	60
L7 100W	5

L7 150W	5
L7 200W	5
L7 250W	5
L7 300W	10
L7 350W	5

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TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1674-SG4

Company: **AMERICAN BULLION**
Project:
Attn: **W. ROBERTS**

Date: **NOV-03-90**
Copy 1. AMERICAN BULLION, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted OCT-31-90 by D.HEINO.

Sample Number	AU-WET PFB
---------------	------------

L7 400W	5
L7 450W	30
L7 500W	5
L7 550W	5
L7 600W	5

L7 650W	5
L7 700W	5
L8 0E	5
L8 50E	5
L8 100E	10

L8 150E	5
L8 200E	5
L8 250E	5
L8 300E	5
L8 350E	5

L8 400E	5
L8 450E	5
L8 500E	5
L8 550E	5
L8 600E	15

L9 0E	120
L9 50E	10
L9 100E	5
L9 150E	5
L9 200E	5

L9 250E	5
L9 300E	5
L9 400E	5
L9 450E	195
L9 500E	10

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SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1674-SG5

Company: **AMERICAN BULLION**
Project:
Attn: **W. ROBERTS**

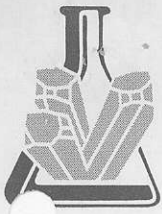
Date: **NOV-03-90**
Copy 1. AMERICAN BULLION, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted OCT-31-90 by D.HEINO.

Sample Number	AU-WET PPB
L9 550E	5
L9 600E	5
L10 0W	5
L10 50W	5
L10 100W	10
L10 150W	80
L10 200W	10
L10 250W	115
L10 300W	5
L10 350W	740
L10 400W	260
L10 450W	5
L10 500W	30
L10 550W	20
L10 600W	25
L10 650W	10
L10 700W	230
L11 0E	5
L11 50E	5
L11 100E	10
L11 150E	5
L11 200E	5
L11 250E	5
L11 300E	5
L11 350E	20
L11 400E	5
L12 0S	5
L12 50S	30
L12 100S	5
L12 150S	5

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

0V-1674-SG6

Company: **AMERICAN BULLION**
Project:
Attn: **W. ROBERTS**

Date: **NOV-03-90**
Copy 1. AMERICAN BULLION, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted OCT-31-90 by D.HEINO.

Sample Number	ALU-WET PPB	ZN PPM
L12 200S	5	
L12 250S	5	
L12 300S	5	
L12 350S	5	
L12 400S	5	

L12 400S 50E	5	
L12 400S 100E	5	
L12 400S 150E	50	
L12 400S 200E	15	
L12 400S 250E	5	

L13 50N	5	
L13 100N	5	
L13 150N	5	
L13 200N	180	
L13 250N	10	

L13 300N	5	
L13 350N	5	
L13 400N	10	
L13 450N	10	
L13 500N	15	

L14 0W	15	197
L14 25W	5	81
L14 50W	5	180
L14 75W	5	261
L14 100W	5	212

L14 125W	5	172
L14 150W	5	122
L14 175W	5	78
L14 200W	5	113
L15 0W	5	250

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

0V-1674-SG7

Company: **AMERICAN BULLION**
Project:
Attn: **W. ROBERTS**

Date: **NOV-02-90**
Copy 1. AMERICAN BULLION, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 8 SOIL samples submitted OCT-31-90 by D.HEINO.

Sample Number	AU-WET PPB	ZN PPM
L15 25W	5	172
L15 50W	5	230
L15 75W	5	695
L15 100W	5	170
L15 125W	5	322
<hr/>		
L15 150W	10	260
L15 175W	5	170
L15 200W	10	150

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