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(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
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826/4W
Mt. Mahon

822775

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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

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Geochemical Analysis Certificate

1V-1265-RG1

Company: MINNOVA INC.
Project: 674
Attn: COLIN BURGE

OCT 25 1991

Date: OCT-22-91

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Ans'd

He hereby certify the following Geochemical Analysis of 4 CORE samples submitted OCT-10-91 by COLIN BURGE.

Sample Number	B PPM	BA-TOTAL PPM	F PPM
36357	67.6	432	1090
36358	52.9	441	565
36359	60.8	374	610
36360	103.6	470	805

Certified by _____



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Geochemical Analysis Certificate

1V-1264-RG1

Company: MINNOVA INC.
Project: 674
Attn: COLIN BURGE

Date: OCT-25-91

OCT 28 1991

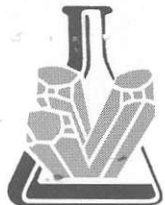
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of CORE samples submitted OCT-10-91 by COLIN BURGE, ^{Asst}.....

Sample Number	B PPM	F PPM
36174	87.7	335
36175	96.0	455
36176	37.9	210
36177	74.4	505
36178	83.9	510
36179	65.7	480
36180	52.3	380
36181	70.5	1100
36182	58.8	360
HD-01	78.3	940
HD-02	49.0	1940
HD-03	78.4	715

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Assay Certificate

1V-1264-RA1

Company: MINNOVA INC.
Project: 674
Attn: COLIN BURGE

Date: OCT-17-91

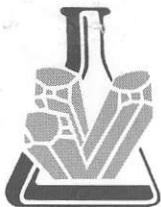
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Assay of 17 CORE samples
submitted OCT-10-91 by COLIN BURGE.

Sample Number	LDI %
36142	1.00
36143	1.50
36159	.80
36160	.90
36173	2.60
36174	2.40
36175	2.60
36176	1.00
36177	1.50
36178	1.40
36179	1.50
36180	.90
36181	1.50
36182	1.10
HD-01	3.60
HD-02	5.70
HD-03	2.40

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FAX (604) 847-3005

Geochemical Analysis Certificate

1V-1228-RG1

Company: MINNOVA INC.
Project: 674
Attn: COLIN BURGE

Date: OCT-22-91

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OCT 25 1991

We hereby certify the following Geochemical Analysis of 16 CORE samples submitted OCT-07-91 by COLIN BURGE.

Sample Number	B PPM	BA-TOTAL PPM	F PPM
36309	79.5	1120	260
36310	35.8	283	170
36311	101.2	1080	365
36312	99.9	823	385
36313	41.1	685	150
36314	28.9	207	130
36315	26.0	180	80
36316	79.4	885	405
36317	116.0	965	355
36318	166.6	902	145
36319	143.3	1320	100
36320	89.2	574	545
36321	81.1	375	315
36322	115.8	608	580
36323	57.5	136	205
36324	51.0	132	415

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Geochemical Analysis Certificate

1V-1248-RG1

Company: MINNOVA INC.
Project: 674
Attn: COLIN BURGE

Date: OCT-22-91

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OCT 25 1991

Ans'd

We hereby certify the following Geochemical Analysis of 19 CORES samples submitted OCT-09-91 by COLIN BURGE.

Sample Number	B PPM	BA-TOTAL PPM	F PPM
36338	48.2	156	1500
36339	39.2	532	90
36340	50.7	898	85
36341	270.7	923	115
36342	33.4	115	55
36343	154.6	240	75
36344	91.8	213	105
36345	210.6	414	100
36346	123.9	755	265
36347	234.5	796	240
36348	64.4	805	160
36349	141.7	995	150
36350	207.2	807	440
36351	230.8	936	220
36352	216.0	734	335
36353	257.8	426	220
36354	81.7	371	135
36355	286.2	443	265
36356	186.3	1010	565

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Geochemical Analysis Certificate

1V-1247-RG1

Company: MINNOVA INC.
Project: 674
Attn: COLIN BURGE

Date: OCT-25-91

Copy 1. MINNOVA INC., VANCOUVER, B.C.

Ans'd

We hereby certify the following Geochemical Analysis of 16 CORE samples submitted OCT-09-91 by COLIN BURGE.

Sample Number	B PPM	F PPM
SD-01	51.1	680
SD-02	50.5	700
SD-03	72.5	570
36158	159.5	700
36161	34.6	370
36162	2930.0	250
36163	118.4	345
36164	72.6	525
36165	96.5	610
36166	905.0	735
36167	148.1	450
36168	72.2	1040
36169	145.5	550
36170	77.5	1120
36171	232.0	630
36172	201.1	655

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SMITHERS LAB.:

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FAX (604) 847-3005

Assay Certificate

1V-1247-RA1

Company: MINNOVA INC.
Project: 674
Attn: COLIN BURGE

Date: OCT-19-91

Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Assay of 16 CORE samples
submitted OCT-09-91 by COLIN BURGE.

Sample Number	LOI %
SD-01	2.60
SD-02	1.20
SD-03	28.60
36158	2.40
36161	.70
36162	.60
36163	.40
36164	.50
36165	1.20
36166	1.80
36167	2.00
36168	2.00
36169	1.50
36170	1.10
36171	1.30
36172	.70

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SMITHERS LAB.:

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TELEPHONE (604) 847-3004
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Geochemical Analysis Certificate

1V-1229-RG1

Company: MINNOVA INC.
Project: 674
Attn: SHAWN MCCALLUM

Date: OCT-22-91

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We hereby certify the following Geochemical Analysis of 13 CORE samples submitted OCT-07-91 by SHAWN MCCALLUM.

Sample Number	B PPM	BA-TOTAL PPM	F PPM
36325	83.9	129	140
36326	52.2	671	315
36327	72.0	132	100
36328	103.6	730	330
36329	93.5	995	365
36330	55.5	954	425
36331	122.1	874	175
36332	73.9	1040	165
36333	125.9	1010	365
36334	150.3	909	95
36335	44.2	781	200
36336	11.5	217	300
36337	6.4	223	460

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SMITHERS LAB.:
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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

1V-1227-RG1

Company: MINNOVA INC.
Project: 674
Attn: COLIN BURGE

Date: OCT-25-91

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We hereby certify the following Geochemical Analysis of 26 ROCK samples submitted OCT-07-91 by COLIN BURGE.

Sample Number	B PPM	F PPM
ST-06	64.7	920
ST-07	72.6	880
ST-08	74.7	1065
ST-09	75.9	725
LA-01	73.5	585
LA-02	108.3	650
LA-03	62.0	385
LA-04	75.5	800
LA-05	74.2	860
LA-06	33.0	105
LA-07	98.3	530
LA-08	50.3	175
36144	41.0	195
36145	104.3	530
36146	75.1	430
36147	126.5	515
36148	75.8	645
36149	53.5	600
36150	80.0	335
36151	68.1	465
36152	107.2	475
36153	108.2	815
36154	109.6	840
36155	104.8	605
36156	66.1	680
36157	71.9	385

Certified by _____

Colin Burge
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SMITHERS LAB.:
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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
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Assay Certificate

1V-1227-RA1

Company: MINNOVA INC.
Project: 674
Attn: COLIN BURGE

Date: OCT-18-91
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Assay of 26 ROCK samples submitted OCT-07-91 by COLIN BURGE.

Sample Number	LOI %
ST-06	1.90
ST-07	2.30
ST-08	3.00
ST-09	2.90
LA-01	3.10
LA-02	2.60
LA-03	1.60
LA-04	2.60
LA-05	3.40
LA-06	.60
LA-07	3.90
LA-08	1.10
36144	.90
36145	1.80
36146	1.50
36147	2.20
36148	2.00
36149	1.90
36150	2.50
36151	1.00
36152	2.90
36153	2.80
36154	2.20
36155	2.50
36156	3.60
36157	10.50

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SMITHERS LAB.:
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FAX (604) 847-3005

Geochemical Analysis Certificate

1V-1186-RG1

Company: MINNOVA INC.
Project: 674
Attn: COLIN BURGE

Date: OCT-22-91

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We hereby certify the following Geochemical Analysis of 12 CORE samples submitted SEP-30-91 by COLIN BURGE.

Sample Number	AU-WET PPB	AG PPM	B BA-TOTAL PPM	CD PPM	CU PPM	PB PPM	ZN PPM	F PPM	
ST-91-01	5	1.7	60.9	352	1.0	40	37	173	500
ST-91-02	5	.9	89.2	940	.2	24	25	79	750
ST-91-03	5	1.2	77.7	643	.3	47	30	121	735
ST-91-04	5	1.0	84.5	825	.3	30	32	139	745
ST-91-05	5	1.1	92.8	1170	.3	28	34	141	985
36301	5	.8	78.3	1920	.1	53	7	49	395
36302	5	.6	52.8	2650	.1	8	12	32	205
36304	10	.4	48.9	215	.1	4	3	4	160
36305	5	.8	183.5	1100	.2	105	21	80	450
36306	5	.9	127.7	750	.1	69	17	32	485
36307	5	.9	172.9	800	.1	102	38	35	610
36308	5	.6	131.9	1030	.1	40	13	29	505

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SMITHERS LAB.:
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Geochemical Analysis Certificate

1V-1185-RG1

Company: MINNOVA INC.
Project: 674
Attn: COLIN BURGE

Date: OCT-22-91

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We hereby certify the following Geochemical Analysis of CORE samples submitted SEP-30-91 by COLIN BURGE.

Sample Number	B PPM	F PPM
36126	51.5	315
36134	64.9	295
36135	149.0	565
36136	61.6	590
36137	155.6	490
36138	148.6	600
36139	81.0	570
36140	77.6	485
36141	104.2	515

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SMITHERS LAB.:
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FAX (604) 847-3005

Assay Certificate

1V-1185-RA1

Company: MINNOVA INC.
Project: 674
Attn: COLIN BURGE

Date: OCT-16-91
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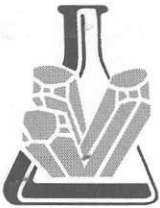
We hereby certify the following Assay of 9 ROCK samples
submitted SEP-30-91 by COLIN BURGE.

Sample Number	LOI %
36126	.90
36134	.60
36135	2.30
36136	2.20
36137	2.80

36138	2.40
36139	2.20
36140	1.90
36141	1.80

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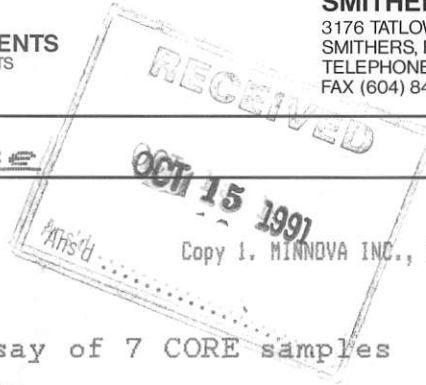
SMITHERS LAB.:
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Assay Certificate

1V-1184-RA1

Company: MINNOVA INC.
Project: 674
Attn: COLIN BURGE

Date: OCT-11-91

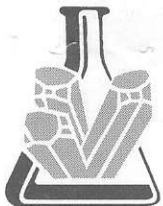


We hereby certify the following Assay of 7 CORE samples submitted SEP-30-91 by COLIN BURGE.

Sample Number	LOI %
36127	.40
36128	.20
36129	.90
36130	.70
36131	1.00
36132	1.20
36133	1.30

Certified by _____

Colin Burge



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Assay Certificate

1V-1092-RA1

Company: MINNOVA INC.
Project: WOLF
Attn: DAVE HEBERLEIN

Date: SEP-20-91

We hereby certify the following Assay of 10 ROCK samples submitted SEP-19-91 by DAVE HEBERLEIN.

Sample Number	AU g/tonne	AU oz/ton
IHWRP008	1.43	.042
IHWRP009	1.02	.030
IHWRP012	6.12	.179
IHWRP014	1.61	.047
IHWRP015	21.65	.631
IHWRP022	1.29	.038
IHWRP023	1.20	.035
IHWRP024	2.64	.077
IHWRP025	2.39	.070
IHWRP026	3.80	.111



Certified by *David Heberlein*

