



**MINERAL
• ENVIRONMENTAL
LABORATORIES LTD.**

826619
North Forks
924/12

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: MINNOVA
Project: 303
Attention: I PIRIE

File: 8-1804/P2
Date: OCT 19/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	CU PPM	ZN PPM	AG PPM	AU-WET PPB
BCD 11 201	81	62	1.0	5
BCD 11 202	744	83	1.5	5
BCD 11 203	1125	61	1.4	10
BCD 11 204	995	57	1.6	5

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OCT 31 1988
Ans'd

Certified by *[Signature]*

MIN-EM LABORATORIES LTD.

COMPANY: MINNOVA INC.

PROJECT NO: 303

ATTENTION: I. PIRIE

MIN-EN LABS ICP REPORT

70 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604) 980-5814 OR (604) 988-4524

(ACT:F31) PAGE 1 OF 1

FILE NO: 8-1804R/P1

DATE: OCTOBER 26, 1988

(VALUES IN PPM)	AG	AS	BA	CU	PB	SB	ZN	AU-PPB
BCD11301	1.4	20	276	6	35	3	53	5
BCD11302	1.3	22	19	101	19	1	61	5
BCD11303	1.4	30	28	79	22	2	73	5
BCD11304	1.3	32	32	46	23	1	70	10
BCD11305	1.2	21	129	86	16	1	25	5
BCD11306	1.5	21	46	80	18	1	49	5
BCD11307	.9	50	2	7	17	1	19	5
BCD11308	1.0	30	32	103	18	1	26	5
BCD11309	1.0	11	11	7	21	1	117	10
BCD11310	1.2	21	39	76	19	1	37	5
BCD11311	1.4	28	49	42	25	1	49	5
BCD11312	1.4	17	18	57	19	1	50	5
BCD11313	1.0	14	4	130	19	1	57	5
BCD11314	1.4	20	51	808	22	1	218	10
BCD11315	1.0	18	13	244	21	1	331	5
BCD11316	1.2	31	26	328	24	1	257	5
BCD11317	1.0	26	4	189	18	1	83	10
BCD11318	1.1	21	17	55	22	1	67	5
BCD11319	1.4	12	65	611	20	3	105	5
BCD11320	.8	28	3	45	21	1	37	5
BCD11321	1.4	17	19	79	18	1	18	5
BCD11322	1.6	18	6	46	19	1	37	5
BCD11323	1.2	28	32	68	17	1	36	5
BCD11324	1.4	28	38	53	26	2	66	5
BCD11325	1.4	26	22	158	26	3	196	5
BCD11206	1.4	29	32	89	25	4	74	5

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OCT 31 1988

Ans'd

COMPANY: MINNOVA INC.

PROJECT NO: 303

ATTENTION: I. PIRIE

MIN-EN LABS ICP REPORT

70 EST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

* TYPE NOCK GEOCHEM *

(ACT:F26) PAGE 1 OF 2

FILE NO: B-1804/P1

DATE: OCTOBER 26, 1988

(VALUES IN %)	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	P2O5	SiO2	SR	TiO2
BCD11301	15.88	.057	7.89	10.32	3.08	5.12	.39	2.78	.61	44.91	.04	2.74
BCD11302	16.32	.010	7.99	11.79	1.36	5.00	.40	2.92	.20	47.17	.01	1.34
BCD11303	18.63	.005	8.35	9.90	1.67	4.34	.33	3.21	.16	46.86	.01	1.02
BCD11304	17.74	.007	7.46	10.59	1.71	4.42	.33	3.54	.14	47.83	.01	1.00
BCD11305	14.95	.020	8.95	10.87	.45	7.80	.39	2.83	.17	47.69	.02	1.27
BCD11306	15.31	.010	9.16	12.19	.49	5.68	.43	2.56	.27	45.51	.04	1.98
BCD11307	2.75	.005	1.12	9.40	.01	31.45	.28	.05	.13	44.43	.01	.08
BCD11308	16.03	.005	10.54	8.97	.65	7.86	.32	2.20	.10	47.94	.01	.59
BCD11309	14.54	.031	7.61	9.75	1.13	2.87	.77	3.83	.88	47.76	.02	3.64
BCD11310	15.68	.006	9.94	10.14	1.40	6.90	.34	2.26	.15	46.93	.01	.92
BCD11311	16.42	.006	8.95	10.33	1.80	5.55	.40	2.59	.18	47.07	.01	1.10
BCD11312	15.57	.005	8.76	11.54	1.36	6.22	.44	2.88	.16	46.81	.01	1.28
BCD11313	15.69	.005	9.46	11.37	.32	6.09	1.39	2.83	.15	46.11	.01	1.05
BCD11314	13.06	.006	3.79	17.85	3.15	10.05	.23	1.41	.15	37.43	.01	.88
BCD11315	14.57	.005	7.50	10.99	.73	8.60	.37	2.85	.15	47.42	.01	1.14
BCD11316	14.46	.005	6.01	11.07	1.02	9.75	.38	2.32	.15	47.00	.01	1.09
BCD11317	14.49	.005	8.00	11.15	.20	9.22	.42	2.37	.16	46.27	.01	1.13
BCD11318	18.34	.005	8.12	10.66	.79	4.75	.35	3.91	.18	46.50	.01	1.13
BCD11319	12.35	.008	2.47	18.47	3.20	9.04	.24	.99	.15	41.69	.01	.98
BCD11320	14.88	.005	8.01	10.54	.23	9.23	.39	2.82	.13	47.52	.01	1.14
BCD11321	14.92	.005	11.40	10.29	.44	6.34	.40	2.53	.15	47.92	.01	1.07
BCD11322	14.28	.005	9.78	11.93	.50	6.39	.41	2.64	.18	46.37	.01	1.53
BCD11323	15.63	.005	10.15	9.57	1.45	7.09	.38	2.07	.14	47.28	.01	.78
BCD11324	17.50	.005	8.75	10.47	1.58	3.96	.32	2.39	.14	48.61	.01	1.11
BCD11325	16.00	.005	7.44	9.79	1.65	7.27	.36	3.26	.16	46.57	.01	1.18
BCD11206	16.59	.005	7.30	11.13	2.02	5.89	.34	2.44	.14	47.45	.01	1.04

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OCT 31 1988

Ans'd

PROJECT NO: 303

70 ST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: B-1804/P1

ATTENTION: I. PIRIE

(604)980-5814 OR (604)988-4524 * TYPE: ROCK GEOCHEM * DATE: OCTOBER 26, 1988

(VALUES IN %)	ZR	S	TDT(%)
BCD11301	.010	.03	93.84
BCD11302	.009	.18	94.68
BCD11303	.006	.02	94.51
BCD11304	.005	.02	94.81
BCD11305	.009	.04	95.45
BCD11306	.016	.03	93.67
BCD11307	.005	.13	89.83
BCD11308	.005	.02	95.25
BCD11309	.011	.23	93.07
BCD11310	.006	.04	94.72
BCD11311	.007	.02	94.42
BCD11312	.008	.04	95.07
BCD11313	.006	.54	95.01
BCD11314	.005	5.75	93.77
BCD11315	.007	1.12	95.47
BCD11316	.006	1.20	94.45
BCD11317	.006	1.05	94.47
BCD11318	.006	.06	94.82
BCD11319	.006	3.75	93.36
BCD11320	.006	.12	95.01
BCD11321	.007	.03	95.50
BCD11322	.010	.01	94.05
BCD11323	.005	.01	94.55
BCD11324	.007	.02	94.87
BCD11325	.007	.42	94.11
BCD11206	.006	.03	94.41

PROJECT NO: 303

7 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-1804/P1

ATTENTION: I. PIRIE

(604)980-5814 OR (604)988-4524 * TYPE: ROCK GEOCHEM * DATE: OCTOBER 26, 1988

(VALUES IN %)	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	P2O5	SIO2	SR	TIO2
BCD11301	15.88	.057	7.89	10.32	3.08	5.12	.39	2.78	.61	44.91	.04	2.74
BCD11302	16.32	.010	7.99	11.79	1.36	5.00	.40	2.92	.20	47.17	.01	1.34
BCD11303	18.63	.005	8.35	9.90	1.67	4.34	.33	3.21	.16	46.86	.01	1.02
BCD11304	17.74	.007	7.46	10.59	1.71	4.42	.33	3.54	.14	47.83	.01	1.00
BCD11305	14.95	.020	8.95	10.87	.45	7.80	.39	2.83	.17	47.69	.02	1.27
BCD11306	15.31	.010	9.16	12.19	.49	5.68	.43	2.56	.27	45.51	.04	1.98
BCD11307	2.75	.005	1.12	9.40	.01	31.45	.28	.05	.13	44.43	.01	.08
BCD11308	16.03	.005	10.54	8.97	.65	7.86	.32	2.20	.10	47.94	.01	.59
BCD11309	14.54	.031	7.61	9.75	1.13	2.87	.77	3.83	.88	47.76	.02	3.64
BCD11310	15.68	.006	9.94	10.14	1.40	6.90	.34	2.26	.15	46.93	.01	.92
BCD11311	16.42	.006	8.95	10.33	1.80	5.55	.40	2.59	.18	47.07	.01	1.10
BCD11312	15.57	.005	8.76	11.54	1.36	6.22	.44	2.88	.16	46.81	.01	1.28
BCD11313	15.69	.005	9.46	11.37	.32	6.09	1.39	2.83	.15	46.11	.01	1.05
BCD11314	13.06	.006	3.79	17.85	3.15	10.05	.23	1.41	.15	37.43	.01	.88
BCD11315	14.57	.005	7.50	10.99	.73	8.60	.37	2.85	.15	47.42	.01	1.14
BCD11316	14.46	.005	6.01	11.07	1.02	9.75	.38	2.32	.15	47.00	.01	1.09
BCD11317	14.49	.005	8.00	11.15	.20	9.22	.42	2.37	.16	46.27	.01	1.13
BCD11318	18.34	.005	8.12	10.66	.79	4.75	.35	3.91	.18	46.50	.01	1.13
BCD11319	12.35	.008	2.47	18.47	3.20	9.04	.24	.99	.15	41.69	.01	.98
BCD11320	14.88	.005	8.01	10.54	.23	9.23	.39	2.82	.13	47.52	.01	1.14
BCD11321	14.92	.005	11.40	10.29	.44	6.34	.40	2.53	.15	47.92	.01	1.07
BCD11322	14.28	.005	9.78	11.93	.50	6.39	.41	2.64	.18	46.37	.01	1.53
BCD11323	15.63	.005	10.15	9.57	1.45	7.09	.38	2.07	.14	47.28	.01	.78
BCD11324	17.50	.005	8.75	10.47	1.58	3.96	.32	2.39	.14	48.61	.01	1.11
BCD11325	16.00	.005	7.44	9.79	1.65	7.27	.36	3.26	.16	46.57	.01	1.18
BCD11206	16.59	.005	7.30	11.13	2.02	5.89	.34	2.44	.14	47.45	.01	1.04



COMPANY: MINNOVA INC.

PROJECT NO: 303

ATTENTION: I. PIRIE

MIN-EN LABS ICP REPORT

7 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524 * TYPE: SLICK GEOCHEM * DATE: OCTOBER 26, 1988

(ACT:F26) PAGE 2 OF 2

FILE NO: 8-1804/P1

(VALUES IN %)	ZR	S	TOT(%)
BCD11301	.010	.03	93.84
BCD11302	.009	.18	94.68
BCD11303	.006	.02	94.51
BCD11304	.005	.02	94.81
BCD11305	.009	.04	95.45
BCD11306	.016	.03	93.67
BCD11307	.005	.13	89.83
BCD11308	.005	.02	95.25
BCD11309	.011	.23	93.07
BCD11310	.006	.04	94.72
BCD11311	.007	.02	94.42
BCD11312	.008	.04	95.07
BCD11313	.006	.54	95.01
BCD11314	.005	5.75	93.77
BCD11315	.007	1.12	95.47
BCD11316	.006	1.20	94.45
BCD11317	.006	1.05	94.47
BCD11318	.006	.06	94.82
BCD11319	.006	3.75	93.36
BCD11320	.006	.12	95.01
BCD11321	.007	.03	95.50
BCD11322	.010	.01	94.05
BCD11323	.005	.01	94.55
BCD11324	.007	.02	94.87
BCD11325	.007	.42	94.11
BCD11206	.006	.03	94.41



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TELEPHONE: (705) 264-9996

Analytical Report

Company: MINNOVA INC.
Project: 303
Attention: I. PIRIE

File: 8-1804
Date: OCT 26/88
Type: ROCK GEOCHEM

Date Samples Received : OCT 13/88
Samples Submitted by : I. PIRIE

Report on 30 SAMPLES Geochem Samples
.....
..... Assay Samples
.....

Copies sent to:
1. MINNOVA INC., VANCOUVER, B.C.
2.
3.

Samples: Sieved to mesh Ground to mesh -100....

Prepared samples stored: X discarded:
rejects stored: discarded: X

Methods of analysis:

MINNOVA STANDARD LITHO PACKAGE
AU WET GEOCHEM
CU, ZN, AG MULTI ACID A.A. ANALYSIS

Remarks

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Certificate of Geochem

Company: MINNOVA
Project: 303
Attention: I PIRIE

File: 8-1804/P2
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Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	CU PPM	ZN PPM	AG PPM	AU-WET PPB
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COMPANY: MINNOVA INC.

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MIN-EN LABS ICP REPORT

7 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM *

(ACT:F31) PAGE 1 OF 1

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(VALUES IN PPM)	AG	AS	BA	CU	PB	SB	ZN	AU-PPB
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BCD11304	1.3	32	32	46	23	1	70	10
BCD11305	1.2	21	129	86	16	1	25	5
BCD11306	1.5	21	46	80	18	1	49	5
BCD11307	.9	50	2	7	17	1	19	5
BCD11308	1.0	30	32	103	18	1	26	5
BCD11309	1.0	11	11	7	21	1	117	10
BCD11310	1.2	21	39	76	19	1	37	5
BCD11311	1.4	28	49	42	25	1	49	5
BCD11312	1.4	17	18	57	19	1	50	5
BCD11313	1.0	14	4	130	19	1	57	5
BCD11314	1.4	20	51	808	22	1	218	10
BCD11315	1.0	18	13	244	21	1	331	5
BCD11316	1.2	31	26	328	24	1	257	5
BCD11317	1.0	26	4	189	18	1	83	10
BCD11318	1.1	21	17	55	22	1	67	5
BCD11319	1.4	12	65	811	20	3	105	5
BCD11320	.8	28	3	45	21	1	37	5
BCD11321	1.4	17	19	79	18	1	18	5
BCD11322	1.6	18	6	46	19	1	37	5
BCD11323	1.2	28	32	68	17	1	36	5
BCD11324	1.4	28	38	53	26	2	66	5
BCD11325	1.4	26	22	158	26	3	196	5
BCD11206	1.4	29	32	89	25	4	74	5

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