

MIN-EN LABORATORIES

SBS 82m/4

824275

Geochem 1990

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

SPECIALISTS IN MINERAL ENVIRONMENTS
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Geochemical Analysis Certificate

OV-0593-SG1

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: JUN-08-90

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

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JUN 13 1990
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We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUN-01-90 by A. JONES

Sample Number	TE PPM
OJSBS175	0.04
OJSBS176	0.40
OJSBS177	0.62
OJSBS178	1.02
OJSBS179	1.06
OJSBS180	0.44
OJSBS181	0.89
OJSBS182	0.09
OJSBS183	0.04
OJSBS184	1.77
OJSBS185	1.76
OJSBS186	1.99
OJSBS187	1.11
OJSBS188	0.71
OJSBS189	0.31
OJSBS190	0.58
OJSBS191	1.20
OJSBS192	0.35
OJSBS193	0.13
OJSBS194	0.35
OJSBS195	1.37
OJSBS196	0.09
OJSBS197	2.21
OJSBS198	1.36
OJSBS199	0.75
OJSBS200	0.31
OJSBS201	0.53
OJSBS202	0.39
OJSBS203	0.97
OJSBS204	0.22

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[Handwritten Signature]

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Geochemical Analysis Certificate

OV-0593-SG2

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: JUN-08-90

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

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUN-01-90 by A. JONES.

Sample Number	TE PPM
OJSBS205	0.66
OJSBS206	0.40
OJSBS207	1.11
OJSBS208	0.58
OJSBS209	2.22
OJSBS210	0.40
OGSBS057	0.31
OGSBS058	0.32
OGSBS059	0.22
OGSBS060	0.04
OGSBS061	0.01
OGSBS062	0.35
OGSBS063	0.09
OGSBS064	0.49
OGSBS065	0.50
OGSBS066	0.58
OGSBS067	0.66
OGSBS068	0.71
OGSBS069	0.13
OGSBS070	0.12
OGSBS071	0.13
OGSBS072	0.09
OGSBS073	0.35
OGSBS074	0.04
OGSBS075	0.53
OGSBS076	0.01
OGSBS077	0.09
OGSBS078	0.01
OGSBS079	0.01
OGSBS080	0.35

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TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0593-SG3

Company: **MINNOVA INC.**
Project: **SBS 225**
Attn: **I. PIRIE/C. CLAYTON**

Date: **JUN-08-90**
Copy 1. **MINNOVA INC., VANCOUVER, B.C.**
2. **MINNOVA INC., BARRIERE, B.C.**

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUN-01-90 by A. JONES.

Sample Number	TE PPM
OGSBS081	0.09
OGSBS082	0.01
OGSBS083	0.04
OGSBS084	0.18
OGSBS085	0.13
OGSBS086	0.04
OGSBS087	0.01
OGSBS088	0.04
OGSBS089	0.13
OGSBS090	0.01
OGSBS091	0.27
OGSBS092	0.84
OGSBS093	0.35
OGSBS094	0.13
OGSBS095	0.13
OGSBS096	0.09
OGSBS097	0.01
OGSBS098	0.04
OGSBS099	0.09
OGSBS100	0.13
OGSBS101	0.01
OGSBS102	0.01
OGSBS103	0.17
OGSBS104	0.44
OGSBS105	0.04
OGSBS106	0.22
OGSBS107	0.04
OGSBS108	0.09
OGSBS109	0.22
OGSBS110	0.27

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TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0593-SG4

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: JUN-08-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 10 SOIL samples submitted JUN-01-90 by A. JONES.

Sample Number	TE PPM
DGSBS111	0.27
DGSBS112	0.01
DGSBS113	0.04
DGSBS114	0.09
DGSBS115	0.01
DGSBS116	0.22
DGSBS117	0.04
DGSBS118	0.01
DGSBS119	0.01
DGSBS120	0.04

Certified by

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COMP: MINNOVA INC.
 PROJ: SBS 225
 ATTN: I.PIRIE/C.CLAYTON

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 0V-0593-SJ1+2
 DATE: 90/06/08
 * SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	BI PPM	CO PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OJSBS175	.2	1	81	1	8	11	19	1	75	5
OJSBS176	.1	1	57	1	6	14	13	1	62	5
OJSBS177	.1	1	112	1	9	10	18	1	64	10
OJSBS178	.6	1	143	1	12	13	20	1	131	5
OJSBS179	.6	1	85	1	8	18	25	1	94	5
OJSBS180	.3	1	49	1	6	10	20	1	84	5
OJSBS181	1.1	1	220	1	12	41	28	1	152	5
OJSBS182	.5	1	108	1	6	8	13	1	75	5
OJSBS183	.6	1	75	1	6	5	11	1	51	10
OJSBS184	.4	1	107	1	9	19	19	1	82	5
OJSBS185	.5	1	153	1	14	19	19	1	138	5
OJSBS186	.7	5	117	1	14	27	21	1	92	5
OJSBS187	.8	1	145	1	13	17	20	1	155	5
OJSBS188	.3	1	134	1	8	13	23	1	181	5
OJSBS189	.7	1	132	1	10	29	32	1	189	5
OJSBS190	.7	11	104	1	16	30	31	1	277	5
OJSBS191	1.2	14	193	1	14	74	26	1	135	5
OJSBS192	.6	12	112	1	11	32	23	1	144	10
OJSBS193	.9	1	40	1	8	7	17	1	60	5
OJSBS194	3.6	5	68	2	17	22	11	1	77	5
OJSBS195	.7	1	72	1	12	28	20	1	45	5
OJSBS196	.2	1	66	1	11	22	17	1	53	5
OJSBS197	.4	12	118	1	22	94	24	1	105	5
OJSBS198	.3	1	63	1	10	26	17	1	69	5
OJSBS199	.5	10	90	1	14	48	25	1	113	5
OJSBS200	.9	1	95	1	11	18	20	1	94	5
OJSBS201	.7	19	123	1	12	37	27	1	118	5
OJSBS202	.7	1	129	1	10	20	23	1	94	5
OJSBS203	.4	13	104	1	11	51	31	1	91	5
OJSBS204	.8	1	109	1	10	26	23	1	118	5
OJSBS205	.1	1	86	1	12	41	26	1	100	5
OJSBS206	.1	1	71	1	9	20	15	1	63	10
OJSBS207	.1	1	48	1	8	7	9	1	34	10
OJSBS208	.6	4	100	1	13	23	18	1	55	110
OJSBS209	.2	23	81	1	20	160	27	1	76	30
OJSBS210	1.4	1	79	1	9	16	13	1	102	5
OGSBS057	.5	1	131	1	10	19	13	1	72	5
OGSBS058	2.1	1	153	1	8	148	21	1	48	5
OGSBS059	1.0	1	166	1	10	74	15	1	74	10
OGSBS060	.6	1	144	1	8	22	10	1	67	5
OGSBS061	.7	1	158	1	9	56	13	1	65	10
OGSBS062	1.3	1	111	1	8	62	14	1	46	5
OGSBS063	.6	2	186	1	8	55	23	1	86	5
OGSBS064	.7	1	104	1	8	62	9	1	43	5
OGSBS065	.5	1	119	1	8	30	11	1	85	5
OGSBS066	.4	1	153	1	9	18	12	1	67	10
OGSBS067	.5	2	122	1	9	43	16	1	56	5
OGSBS068	1.3	1	133	1	12	137	21	1	71	5
OGSBS069	.3	1	145	1	9	22	10	1	69	5
OGSBS070	.8	1	131	1	9	46	17	1	69	5
OGSBS071	.4	2	157	1	9	37	14	1	64	10
OGSBS072	.6	1	129	1	8	14	14	1	52	5
OGSBS073	.5	1	203	1	11	29	19	1	67	5
OGSBS074	.7	1	181	1	11	37	16	1	79	5
OGSBS075	1.1	1	152	1	10	60	24	1	54	5
OGSBS076	.8	1	189	1	11	21	19	1	93	5
OGSBS077	.5	7	204	1	10	23	15	1	84	10
OGSBS078	.6	10	131	1	9	26	18	1	58	5
OGSBS079	.6	1	89	1	6	13	8	1	43	5
OGSBS080	1.5	1	177	1	15	56	36	1	5	5

JUN 13 1990



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

Geochemical Analysis Certificate

OV-0567-RG1

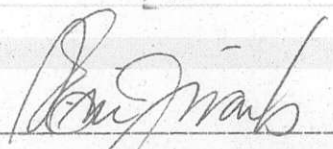
Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: JUN-04-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 21 ROCK samples submitted MAY-28-90 by SEAN REILLY.

Sample Number	TE PPM
OCSBL086	1.61
OCSBL087	.72
OCSBL088	.15
OCSBL089	.08
OCSBL090	.27
OCSBL091	.77
OCSBL092	2.72
OCSBL093	.66
OCSBL094	.41
OCSBL095	.29
OCSBL096	.15
OCSBL097	.59
OCSBL098	.62
OCSBL099	.04
OCSBL100	.04
OCSBL101	.06
OCSBL102	.01
OCSBL103	4.50
OCSBL104	.07
OCSBL105	.55
OCSBL106	.16

JUN 6 1990
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33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

OV-0567-RA1

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: JUN-04-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 21 ROCK samples submitted MAY-28-90 by SEAN REILLY.

Sample Number	LOI %
OCSBL086	3.70
OCSBL087	5.30
OCSBL088	5.00
OCSBL089	4.70
OCSBL090	4.90

OCSBL091	4.80
OCSBL092	4.50
OCSBL093	3.80
OCSBL094	4.40
OCSBL095	6.00

OCSBL096	2.85
OCSBL097	4.60
OCSBL098	4.75
OCSBL099	3.00
OCSBL100	3.40

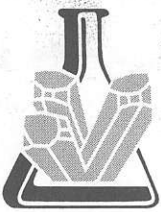
OCSBL101	3.50
OCSBL102	2.05
OCSBL103	3.00
OCSBL104	7.20
OCSBL105	4.80

OCSBL106	3.60

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Geochemical Analysis Certificate

OV-0569-SG1

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

JUN 18 1990

Date: JUN-01-90

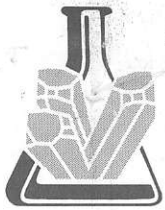
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

Ans'd

We hereby certify the following Geochemical Analysis of 29 ROCK samples submitted MAY-28-90 by LAURA PRENTICE.

Sample Number	TE PPM
OJSBS157	.01
OJSBS158	.03
OJSBS159	.08
OJSBS160	.08
OJSBS161	.04
OJSBS162	.03
OJSBS163	.03
OJSBS164	.01
OJSBS165	.01
OJSBS166	.07
OJSBS167	.04
OJSBS168	.06
OJSBS169	.04
OJSBS170	.07
OJSBS171	.08
OJSBS172	.07
OJSBS173	.06
OJSBS174	.04
OPSBS477	.03
OPSBS478	.06
OPSBS479	.18
OPSBS480	.01
OPSBS481	.07
OPSBS482	.01
OPSBS483	.06
OPSBS484	.06
OPSBS485	1.31
OPSBS486	.06
OPSBS487	.14

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Geochemical Analysis Certificate

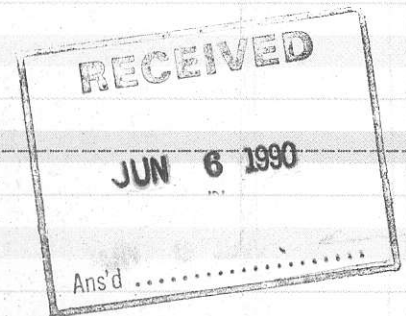
OV-0539-RG1

Company: **MINNOVA INC.**
Project: **SBS 225**
Attn: **I. PIRIE/C. CLAYTON**

Date: **JUN-01-90**
Copy 1. **MINNOVA INC., VANCOUVER, B.C.**
2. **MINNOVA INC., BARRIERE, B.C.**

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted MAY-23-90 by L. PRENTICE.

Sample Number	TE PPM
OCSBL048	1.09
OCSBL049	1.93
OCSBL050	.16
OCSBL051	.15
OCSBL052	.36
OCSBL053	.03
OCSBL054	1.91
OCSBL055	.38
OCSBL056	1.07
OCSBL057	.89
OCSBL058	.60
OCSBL059	2.23
OCSBL060	1.39
OCSBL061	.93
OCSBL062	.62
OCSBL063	.01
OCSBL064	2.68
OCSBL065	.71
OCSBL066	.12
OCSBL067	.32
OCSBL068	.37
OCSBL069	1.79
OCSBL070	1.48
OCSBL071	.27
OCSBL072	.21
OCSBL073	1.45
OCSBL074	.46
OCSBL075	.51
OCSBL076	1.61
OCSBL077	.19



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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0539-RG2

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: JUN-01-90

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

We hereby certify the following Geochemical Analysis of 8 ROCK samples submitted MAY-23-90 by L. PRENTICE.

Sample Number	TE PPM
OCSBL078	1.37
OCSBL079	3.62
OCSBL080	1.23
OCSBL081	.05
OCSBL082	.32
OCSBL083	.01
OCSBL084	.98
OCSBL085	.07

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Assay Certificate

OV-0539-RA1

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: JUN-01-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 30 ROCK samples submitted MAY-23-90 by L. PRENTICE.

Sample Number	LOI %
OCSBL048	2.35
OCSBL049	2.90
OCSBL050	3.10
OCSBL051	4.60
OCSBL052	3.00
OCSBL053	4.90
OCSBL054	6.20
OCSBL055	4.30
OCSBL056	6.40
OCSBL057	5.10
OCSBL058	7.30
OCSBL059	3.65
OCSBL060	4.85
OCSBL061	5.30
OCSBL062	6.30
OCSBL063	5.70
OCSBL064	3.60
OCSBL065	3.05
OCSBL066	3.00
OCSBL067	3.30
OCSBL068	2.55
OCSBL069	3.25
OCSBL070	5.00
OCSBL071	3.90
OCSBL072	4.80
OCSBL073	3.80
OCSBL074	4.60
OCSBL075	4.10
OCSBL076	3.70
OCSBL077	3.90

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TELEPHONE: (705) 264-9996

Assay Certificate

OV-0539-RA2

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: JUN-01-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 8 ROCK samples submitted MAY-23-90 by L. PRENTICE.

Sample Number	LOI %
OCSBL078	5.20
OCSBL079	8.90
OCSBL080	4.40
OCSBL081	4.15
OCSBL082	5.40

OCSBL083	2.75
OCSBL084	4.60
OCSBL085	3.50

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TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0569-SG1

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: JUN-01-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 29 SOIL samples submitted MAY-28-90 by LAURA PRENTICE.

Sample Number	TE PPM
OJSBS157	.01
OJSBS158	.03
OJSBS159	.08
OJSBS160	.08
OJSBS161	.04
OJSBS162	.05
OJSBS163	.03
OJSBS164	.01
OJSBS165	.01
OJSBS166	.07
OJSBS167	.04
OJSBS168	.06
OJSBS169	.04
OJSBS170	.07
OJSBS171	.08
OJSBS172	.07
OJSBS173	.06
OJSBS174	.04
OPSBS477	.03
OPSBS478	.06
OPSBS479	.18
OPSBS480	.01
OPSBS481	.07
OPSBS482	.01
OPSBS483	.06
OPSBS484	.06
OPSBS485	1.31
OPSBS486	.06
OPSBS487	.14

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0535-SG1

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: MAY-31-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted MAY-22-90 by A. JONES.

Sample Number	TE PPM
OPSBS354	0.12
OPSBS355	0.01
OPSBS356	0.01
OPSBS357	0.01
OPSBS358	0.01
OPSBS359	0.23
OPSBS360	0.12
OPSBS361	0.23
OPSBS362	0.35
OPSBS363	0.23
OPSBS364	0.01
OPSBS365	0.12
OPSBS366	0.35
OPSBS367	0.12
OPSBS368	0.12
OPSBS369	0.23
OPSBS370	0.23
OPSBS371	0.12
OPSBS372	0.35
OPSBS373	0.23
OPSBS374	0.01
OPSBS375	0.12
OPSBS376	0.01
OPSBS377	0.01
OPSBS378	0.35
OPSBS379	0.01
OPSBS380	0.35
OPSBS381	0.35
OPSBS382	0.12
OPSBS383	0.12

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TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0535-SG2

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

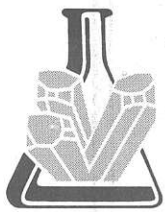
Date: MAY-31-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted MAY-22-90 by A. JONES.

Sample Number	TE PPM
OPSBS384	0.11
OPSBS385	0.23
OPSBS386	0.01
OPSBS387	0.01
OPSBS388	0.13
OPSBS389	0.46
OPSBS390	0.23
OPSBS391	0.01
OPSBS392	0.01
OPSBS393	0.01
OPSBS394	0.01
OPSBS395	0.11
OPSBS396	0.11
OPSBS397	0.01
OPSBS398	0.22
OPSBS399	0.35
OPSBS400	0.34
OPSBS401	0.01
OPSBS402	0.22
OPSBS403	0.23
OPSBS404	0.35
OPSBS405	0.12
OPSBS406	0.01
OPSBS407	0.11
OPSBS408	0.07
OPSBS409	0.35
OPSBS410	0.46
OPSBS411	0.46
OPSBS412	0.35
OPSBS413	0.22

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Geochemical Analysis Certificate

OV-0535-SG3

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: MAY-31-90

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

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted MAY-22-90 by A. JONES.

Sample Number	TE PPM
OPSBS414	0.69
OPSBS415	0.01
OPSBS416	0.23
OPSBS417	0.12
OPSBS418	0.01
OPSBS419	0.57
OPSBS420	0.23
OPSBS421	0.11
OPSBS422	0.34
OPSBS423	0.01
OPSBS424	0.34
OPSBS425	0.01
OPSBS426	0.46
OPSBS427	0.34
OPSBS428	0.46
OPSBS429	0.12
OPSBS430	0.12
OPSBS431	0.01
OPSBS432	0.01
OPSBS433	0.01
OPSBS434	0.34
OPSBS435	0.01
OPSBS436	0.12
OPSBS437	0.01
OPSBS438	0.01
OPSBS439	0.46
OPSBS440	0.23
OPSBS441	0.12
OPSBS442	0.23
OPSBS443	0.01

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Geochemical Analysis Certificate

OV-0535-SG4

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

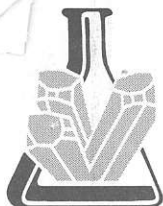
Date: MAY-31-90
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2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted MAY-22-90 by A. JONES.

Sample Number	TE PPM
OPSBS444	0.12
OPSBS445	0.23
OPSBS446	0.01
OPSBS447	0.01
OPSBS448	0.12
OPSBS449	0.46
OPSBS450	0.23
OPSBS451	0.01
OPSBS452	0.01
OPSBS453	0.12
OPSBS454	0.01
OPSBS455	0.12
OPSBS456	0.12
OPSBS457	0.01
OPSBS458	0.23
OPSBS459	0.35
OPSBS460	0.35
OPSBS461	0.01
OPSBS462	0.23
OPSBS463	0.23
OPSBS464	0.35
OPSBS465	0.12
OPSBS466	0.01
OPSBS467	0.12
OPSBS468	0.01
OPSBS469	0.35
OPSBS470	0.46
OPSBS471	0.46
OPSBS472	0.35
OPSBS473	0.23

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Geochemical Analysis Certificate

OV-0535-SG5

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: MAY-31-90

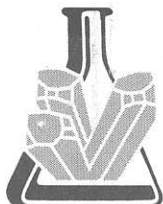
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2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted MAY-22-90 by A. JONES.

Sample Number	TE PPM
OP SBS474	0.08
OP SBS475	0.16
OP SBS476	0.08
OJ SBS065	0.16
OJ SBS066	0.16
OJ SBS067	0.01
OJ SBS068	0.01
OJ SBS069	0.01
OJ SBS070	0.08
OJ SBS071	0.01
OJ SBS072	0.01
OJ SBS073	0.01
OJ SBS074	0.01
OJ SBS075	0.01
OJ SBS076	0.01
OJ SBS077	0.01
OJ SBS078	0.01
OJ SBS079	0.01
OJ SBS080	0.01
OJ SBS081	0.01
OJ SBS082	0.08
OJ SBS083	0.16
OJ SBS084	0.08
OJ SBS085	0.08
OJ SBS086	0.08
OJ SBS087	0.08
OJ SBS088	0.16
OJ SBS089	0.16
OJ SBS090	0.08
OJ SBS091	0.08

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Geochemical Analysis Certificate

OV-0535-SG6

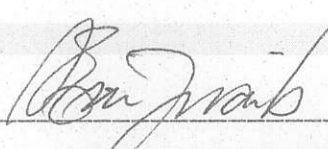
Company: **MINNOVA INC.**
Project: **SBS 225**
Attn: **I. PIRIE/C. CLAYTON**

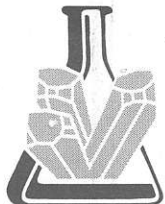
Date: **MAY-31-90**
Copy 1. **MINNOVA INC., VANCOUVER, B.C.**
2. **MINNOVA INC., BARRIERE, B.C.**

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted MAY-22-90 by A. JONES.

Sample Number	TE PPM
OJSBS092	0.08
OJSBS093	0.01
OJSBS094	0.01
OJSBS095	0.08
OJSBS096	0.01
OJSBS097	0.16
OJSBS098	0.01
OJSBS099	0.01
OJSBS100	0.01
OJSBS101	0.01
OJSBS102	0.01
OJSBS103	0.01
OJSBS104	0.01
OJSBS105	0.01
OJSBS106	0.01
OJSBS107	0.01
OJSBS108	0.01
OJSBS109	0.08
OJSBS110	0.01
OJSBS111	0.01
OJSBS112	0.01
OJSBS113	0.08
OJSBS114	0.01
OJSBS115	0.01
OJSBS116	0.08
OJSBS117	0.16
OJSBS118	0.08
OJSBS119	0.01
OJSBS120	0.01
OJSBS121	0.01

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TIMMINS OFFICE:
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TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0535-SG7

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: MAY-31-90

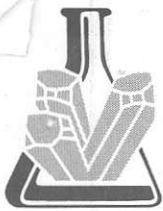
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted MAY-22-90 by A. JONES.

Sample Number	TE PPM
OJSBS122	0.08
OJSBS123	0.16
OJSBS124	0.08
OJSBS125	0.08
OJSBS126	0.16
OJSBS127	0.08
OJSBS128	0.08
OJSBS129	0.08
OJSBS130	0.01
OJSBS131	0.01
OJSBS132	0.08
OJSBS133	0.08
OJSBS134	0.01
OJSBS135	0.01
OJSBS136	0.08
OJSBS137	0.01
OJSBS138	0.01
OJSBS139	0.01
OJSBS140	0.01
OJSBS141	0.01
OJSBS142	0.01
OJSBS143	0.01
OJSBS144	0.01
OJSBS145	0.01
OJSBS146	0.01
OJSBS147	0.01
OJSBS148	0.16
OJSBS149	0.01
OJSBS150	0.01
OJSBS151	0.01

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TIMMINS OFFICE:
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TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0535-SG8

Company: MINNOVA INC.
Project: SBS 225
Attn: I.PIRIE/C.CLAYTON

Date: MAY-31-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted MAY-22-90 by A.JONES.

Sample Number	TE PPM
OJSBS152	0.08
OJSBS153	0.16
OJSBS154	0.08
OJSBS155	0.01
OJSBS156	0.16
OGSBS026	0.39
OGSBS027	0.39
OGSBS028	0.24
OGSBS029	0.16
OGSBS030	0.32
OGSBS031	0.01
OGSBS032	0.01
OGSBS033	0.01
OGSBS034	0.01
OGSBS035	0.01
OGSBS036	0.01
OGSBS037	0.01
OGSBS038	0.01
OGSBS039	0.08
OGSBS040	0.01
OGSBS041	0.16
OGSBS042	0.16
OGSBS043	0.08
OGSBS044	0.08
OGSBS045	0.16
OGSBS046	0.24
OGSBS047	0.16
OGSBS048	0.16
OGSBS049	0.08
OGSBS050	0.24

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 TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0535-SG9

Company: MINNOVA INC.
 Project: SBS 225
 Attn: I. PIRIE/C. CLAYTON

Date: MAY-31-90
 Copy 1. MINNOVA INC., VANCOUVER, B.C.
 2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 6 SOIL samples submitted MAY-22-90 by A. JONES.

Sample Number	TE PPM
OGSBS051	0.01
OGSBS052	0.01
OGSBS053	0.01
OGSBS054	0.08
OGSBS055	0.08
OGSBS056	0.01

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COMP: MINNOVA INC.
 PROJ: SBS 225
 ATTN: I. PIRIE/C. CLAYTON

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: OV-0535-SJ1+2
 DATE: 90/05/31
 * SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	BI PPM	CO PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OPSBS354	.3	10	114	1	10	67	18	1	41	5
OPSBS355	.8	14	133	1	12	41	63	1	114	5
OPSBS356	.4	12	135	1	8	56	29	1	60	5
OPSBS357	.7	1	52	1	5	10	9	1	23	5
OPSBS358	.8	10	208	1	11	14	21	1	43	5
OPSBS359	1.5	23	100	1	11	42	36	2	52	5
OPSBS360	1.0	9	65	1	7	37	17	1	28	5
OPSBS361	1.0	19	144	1	13	42	17	1	46	5
OPSBS362	.8	4	68	1	6	12	15	1	34	10
OPSBS363	1.4	19	147	1	14	244	37	1	108	5
OPSBS364	.3	3	124	1	10	73	17	1	55	5
OPSBS365	1.1	8	166	1	9	24	15	1	51	5
OPSBS366	.8	5	162	1	9	13	17	1	47	5
OPSBS367	.6	13	124	1	7	12	17	1	57	5
OPSBS368	.5	4	184	1	8	11	16	1	52	5
OPSBS369	1.0	9	78	1	6	7	18	1	25	5
OPSBS370	.8	16	183	1	10	13	11	1	38	5
OPSBS371	.6	15	174	1	10	12	14	1	30	10
OPSBS372	.5	11	207	1	12	39	21	1	43	5
OPSBS373	.6	7	81	1	9	19	14	1	50	5
OPSBS374	.8	7	129	1	8	16	15	1	43	5
OPSBS375	.6	11	91	1	10	37	22	1	55	5
OPSBS376	.8	16	146	1	10	15	21	1	65	5
OPSBS377	.6	3	74	1	7	13	17	1	59	5
OPSBS378	.9	12	69	1	9	10	19	1	55	5
OPSBS379	.7	16	165	1	12	25	32	1	78	5
OPSBS380	.9	10	159	1	11	48	23	1	32	5
OPSBS381	.8	6	112	1	12	21	27	2	43	10
OPSBS382	.7	5	47	1	6	9	15	1	35	5
OPSBS383	.5	6	73	1	6	12	15	1	38	5
OPSBS384	.6	1	46	1	6	8	14	1	42	5
OPSBS385	.2	1	85	1	8	6	19	1	68	5
OPSBS386	1.0	15	60	1	11	9	23	1	62	5
OPSBS387	1.2	12	80	1	9	9	19	4	58	5
OPSBS388	.1	15	141	1	11	36	26	1	91	5
OPSBS389	.6	2	100	1	8	6	22	1	114	5
OPSBS390	.9	3	44	1	6	3	13	1	38	5
OPSBS391	.8	1	53	1	8	6	17	1	85	5
OPSBS392	.9	7	78	1	10	15	19	1	52	10
OPSBS393	.5	11	71	1	17	15	22	1	88	5
OPSBS394	.6	8	112	1	8	14	21	1	66	5
OPSBS395	.8	11	131	1	8	7	24	1	89	5
OPSBS396	.6	13	114	1	12	21	24	1	98	5
OPSBS397	.3	15	199	1	13	27	24	1	137	5
OPSBS398	.3	5	128	1	10	10	24	1	90	5
OPSBS399	2.1	22	114	1	13	51	36	7	104	5
OPSBS400	.7	1	84	1	7	7	15	1	62	5
OPSBS401	.7	2	84	1	7	12	17	1	70	5
OPSBS402	1.2	6	77	1	7	8	17	1	54	5
OPSBS403	.8	1	68	1	8	11	17	1	55	5
OPSBS404	.5	11	96	1	8	19	23	1	79	10
OPSBS405	.6	4	127	1	8	13	21	1	75	5
OPSBS406	.8	19	163	1	11	22	26	1	170	5
OPSBS407	.2	14	92	1	10	27	21	1	70	5
OPSBS408	1.2	5	39	1	7	9	19	1	48	5
OPSBS409	.3	1	38	1	3	4	4	1	13	5
OPSBS410	.6	13	93	1	6	13	70	1	72	5
OPSBS411	1.6	17	63	1	6	28	19	3	41	5
OPSBS412	.5	8	169	1	8	14	26	1	72	5
OPSBS413	1.0	2	86	1	7	13	15	1	109	5

JUN 5 1990

COMP: MINNOVA INC.
 PROJ: SBS 225
 ATTN: I.PIRIE/C.CLAYTON

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: OV-0535-SJ3+4
 DATE: 90/05/31
 * SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	BI PPM	CO PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OPSBS414	.2	7	91	1	6	15	12	1	79	5
OPSBS415	.2	1	130	1	7	10	15	1	89	5
OPSBS416	.3	6	65	1	6	9	14	1	58	5
OPSBS417	.5	12	93	1	8	15	35	1	55	5
OPSBS418	.5	12	138	1	8	16	22	1	73	5
OPSBS419	.1	7	179	1	8	10	20	1	89	10
OPSBS420	.4	5	76	1	7	12	11	1	127	10
OPSBS421	.1	3	55	1	5	6	10	1	51	5
OPSBS422	.4	2	60	1	8	7	13	1	71	5
OPSBS423	.7	1	54	1	8	8	18	1	66	5
OPSBS424	.4	13	106	1	8	11	17	1	45	5
OPSBS425	.2	6	55	1	5	4	11	1	38	10
OPSBS426	.3	1	52	1	5	4	8	1	22	5
OPSBS427	.2	3	17	1	3	8	5	1	3	5
OPSBS428	.9	6	66	1	10	8	14	1	68	5
OPSBS429	1.1	5	69	1	9	19	19	1	80	5
OPSBS430	.4	10	86	1	9	13	18	1	75	10
OPSBS431	.7	14	578	1	10	27	34	1	198	5
OPSBS432	.6	10	69	1	8	8	19	1	59	5
OPSBS433	.6	23	169	1	11	17	22	1	90	5
OPSBS434	.6	21	162	1	11	15	19	1	88	5
OPSBS435	.3	15	88	1	9	8	18	1	68	5
OPSBS436	.1	3	53	1	7	5	9	1	55	5
OPSBS437	.1	20	86	1	9	21	15	1	69	5
OPSBS438	.7	13	74	1	11	8	16	1	84	5
OPSBS439	.7	13	156	1	12	6	57	1	77	5
OPSBS440	.5	9	77	1	8	7	14	1	53	5
OPSBS441	.3	19	103	1	11	21	15	1	52	5
OPSBS442	.5	8	117	1	9	11	16	1	68	5
OPSBS443	.3	6	93	1	14	12	22	1	102	5
OPSBS444	.5	1	110	1	9	16	18	1	61	5
OPSBS445	.5	3	121	1	14	19	24	1	88	5
OPSBS446	.8	2	118	1	11	17	33	1	62	5
OPSBS447	.6	7	113	1	13	21	16	1	92	5
OPSBS448	.5	1	44	1	5	8	6	1	30	5
OPSBS449	1.0	9	97	1	12	14	18	1	72	5
OPSBS450	.7	9	63	1	6	8	12	1	27	5
OPSBS451	.6	6	109	1	11	39	20	1	79	5
OPSBS452	.9	6	75	1	7	8	16	1	46	5
OPSBS453	.5	9	156	1	9	14	18	1	93	5
OPSBS454	.5	10	130	1	10	16	19	1	89	10
OPSBS455	.6	11	90	1	9	28	27	1	96	5
OPSBS456	.9	7	122	1	10	14	16	1	79	5
OPSBS457	1.0	7	114	1	8	12	24	1	106	5
OPSBS458	.4	7	150	1	10	35	23	1	91	5
OPSBS459	.6	18	92	1	10	43	21	1	79	5
OPSBS460	.7	10	107	1	8	24	20	1	86	5
OPSBS461	1.0	10	104	1	9	17	21	1	88	5
OPSBS462	.6	1	93	1	6	3	7	1	53	5
OPSBS463	.9	12	115	1	12	22	21	1	94	5
OPSBS464	1.3	18	96	1	14	13	24	1	137	5
OPSBS465	.9	13	66	1	10	18	21	1	109	5
OPSBS466	.7	1	49	1	10	7	14	1	54	5
OPSBS467	.3	25	87	1	12	58	23	1	82	5
OPSBS468	.7	1	27	1	5	5	10	1	22	5
OPSBS469	.8	19	98	1	10	40	21	1	84	5
OPSBS470	.5	13	62	1	8	36	18	1	59	5
OPSBS471	1.0	15	66	1	10	13	22	1	75	5
OPSBS472	.9	33	379	1	21	122	55	8	291	5
OPSBS473	1.1	6	51	1	8	8	12	1	56	5

COMP: MINNOVA INC.
 PROJ: SBS 225
 ATTN: I.PIRIE/C.CLAYTON

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 0V-0535-SJ5+6
 DATE: 90/05/31
 * SOIL * (ACT:F31)

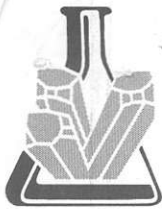
SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	BI PPM	CO PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OPSBS474	.5	1	77	1	11	12	16	1	69	5
OPSBS475	.4	7	107	1	11	13	20	1	67	5
OPSBS476	.6	20	154	1	11	20	26	1	87	5
OJSBS065	.2	1	143	1	8	17	15	1	65	5
OJSBS066	.1	20	100	1	9	96	17	1	37	5
OJSBS067	.3	11	186	1	10	58	20	1	64	10
OJSBS068	.3	9	165	1	9	47	18	1	69	5
OJSBS069	.7	13	165	1	9	67	17	1	43	5
OJSBS070	.4	7	141	1	9	24	21	1	49	5
OJSBS071	1.0	16	158	1	11	60	26	4	51	5
OJSBS072	.7	12	122	1	8	16	18	1	43	5
OJSBS073	.5	15	166	1	10	30	31	1	65	10
OJSBS074	.7	13	133	1	8	23	16	1	42	5
OJSBS075	.4	15	151	1	11	27	14	1	62	5
OJSBS076	.5	9	137	1	8	31	15	1	54	5
OJSBS077	.9	11	139	1	8	14	18	1	79	5
OJSBS078	.1	2	93	1	6	8	8	1	48	5
OJSBS079	.7	7	110	1	8	11	14	1	75	5
OJSBS080	.7	14	132	1	8	26	16	1	42	5
OJSBS081	1.3	13	113	1	7	11	19	2	31	5
OJSBS082	.2	9	168	1	9	8	14	1	40	5
OJSBS083	.8	15	123	1	8	12	17	1	30	5
OJSBS084	.6	14	112	1	7	8	13	1	38	5
OJSBS085	.4	4	103	1	7	6	11	1	30	10
OJSBS086	.6	23	143	1	12	18	19	2	78	5
OJSBS087	.6	10	76	1	8	12	13	1	45	5
OJSBS088	.4	8	99	1	10	9	13	1	52	5
OJSBS089	.3	8	82	1	6	8	9	1	24	5
OJSBS090	.6	12	73	1	8	9	14	1	43	5
OJSBS091	1.1	22	65	1	7	14	16	6	38	5
OJSBS092	.1	1	97	1	7	10	11	1	78	5
OJSBS093	.1	1	81	1	7	10	12	1	38	10
OJSBS094	.2	8	60	1	7	10	17	2	48	5
OJSBS095	.4	1	35	1	7	9	11	1	34	5
OJSBS096	.1	9	139	1	10	24	23	1	93	5
OJSBS097	.1	10	111	1	13	15	19	1	64	5
OJSBS098	.1	11	111	1	9	30	21	1	80	5
OJSBS099	.7	10	103	1	8	17	22	1	113	5
OJSBS100	.4	11	93	1	8	19	17	1	90	5
OJSBS101	.2	1	67	1	7	9	9	1	69	5
OJSBS102	.3	9	128	1	11	21	16	2	80	5
OJSBS103	.7	4	58	1	10	11	17	1	87	5
OJSBS104	.4	5	112	1	7	9	14	1	55	5
OJSBS105	.5	9	178	1	10	17	20	3	90	5
OJSBS106	.3	2	148	1	7	10	17	1	72	5
OJSBS107	.6	3	93	1	8	12	17	2	87	5
OJSBS108	.1	1	115	1	8	12	14	1	63	5
OJSBS109	.6	16	120	1	8	13	14	1	85	10
OJSBS110	.5	13	118	1	9	13	16	2	106	10
OJSBS111	.6	8	68	1	9	9	17	1	86	5
OJSBS112	.5	17	182	1	11	19	25	4	119	5
OJSBS113	.3	9	120	1	10	50	21	1	149	5
OJSBS114	.1	15	230	1	13	62	45	5	285	10
OJSBS115	.5	1	32	1	6	8	6	1	27	5
OJSBS116	.8	5	50	1	4	14	8	1	10	5
OJSBS117	.4	22	56	1	9	35	21	1	68	5
OJSBS118	.7	13	95	1	10	28	16	4	44	5
OJSBS119	.8	12	85	1	10	12	24	4	56	5
OJSBS120	.6	13	140	1	10	15	17	1	53	10
OJSBS121	.4	6	39	1	5	10	9	1	36	5

COMP: MINNOVA INC.
 PROJ: SBS 225
 ATTN: I.PIRIE/C.CLAYTON

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 0V-0535-SJ7+8
 DATE: 90/05/31
 * SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	BI PPM	CO PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OJSBS122	.1	9	168	1	14	25	24	1	107	5
OJSBS123	.1	1	97	1	8	10	13	1	62	5
OJSBS124	.3	19	155	1	10	16	24	1	90	5
OJSBS125	.4	10	135	1	15	12	24	1	143	5
OJSBS126	.1	5	144	1	12	16	21	1	86	5
OJSBS127	.2	1	88	1	9	12	18	1	81	5
OJSBS128	.3	10	134	1	10	26	20	1	94	5
OJSBS129	.2	2	97	1	7	7	12	1	87	5
OJSBS130	.1	1	98	1	8	11	22	1	102	5
OJSBS131	.4	4	117	1	9	16	20	1	73	10
OJSBS132	.7	4	95	1	8	13	21	1	86	5
OJSBS133	.9	9	38	1	6	10	18	4	57	5
OJSBS134	.1	12	170	1	12	15	21	1	172	5
OJSBS135	.5	5	74	1	9	9	16	1	76	5
OJSBS136	.1	1	57	1	8	10	17	1	64	10
OJSBS137	.3	2	55	1	7	8	15	1	57	5
OJSBS138	.4	14	63	1	7	10	15	2	56	5
OJSBS139	.1	4	89	1	8	10	17	1	78	5
OJSBS140	.3	5	80	1	7	8	19	1	92	10
OJSBS141	1.0	6	62	1	5	22	15	1	65	5
OJSBS142	.1	1	92	1	5	7	14	1	55	5
OJSBS143	.1	2	111	1	8	8	13	1	84	5
OJSBS144	.4	2	123	1	10	11	18	1	93	5
OJSBS145	.4	10	110	1	9	13	25	3	100	10
OJSBS146	.1	14	115	1	6	17	12	1	25	20
OJSBS147	.1	10	124	1	10	11	22	1	108	5
OJSBS148	.4	5	43	1	6	44	13	1	47	5
OJSBS149	.1	12	108	1	10	14	20	1	103	10
OJSBS150	.2	1	159	1	9	8	13	1	116	5
OJSBS151	.6	4	46	1	7	14	14	1	65	5
OJSBS152	1.7	9	190	1	10	166	29	1	94	5
OJSBS153	.1	1	90	1	10	21	18	1	76	10
OJSBS154	.1	11	75	1	11	29	25	1	83	5
OJSBS155	.3	1	66	1	6	7	15	1	58	5
OJSBS156	.8	4	88	1	8	11	27	1	94	5
OGSBS026	.1	1	104	1	6	16	9	1	42	5
OGSBS027	.1	4	120	1	11	84	21	1	48	5
OGSBS028	1.1	8	90	1	10	93	19	1	44	10
OGSBS029	.2	11	126	1	10	67	21	1	72	5
OGSBS030	.6	20	97	1	10	53	32	2	55	5
OGSBS031	.2	9	154	1	9	31	20	1	53	5
OGSBS032	.3	5	132	1	10	18	16	1	67	5
OGSBS033	.8	6	137	1	10	72	22	2	54	5
OGSBS034	.1	10	130	1	8	86	18	1	58	5
OGSBS035	.1	1	154	1	7	11	18	1	46	5
OGSBS036	.3	3	75	1	6	10	15	1	41	10
OGSBS037	.7	5	75	1	8	11	24	1	49	10
OGSBS038	.4	12	167	1	10	13	18	1	71	5
OGSBS039	.4	6	132	1	10	20	37	1	75	5
OGSBS040	.7	16	148	1	10	32	26	2	56	10
OGSBS041	.6	9	114	1	9	18	21	1	49	10
OGSBS042	.6	8	168	1	9	25	19	1	72	10
OGSBS043	.1	12	96	1	9	47	25	1	41	5
OGSBS044	.2	1	183	1	13	23	18	1	67	5
OGSBS045	.3	6	126	1	11	16	22	1	52	5
OGSBS046	.3	2	85	1	7	6	13	1	51	10
OGSBS047	.1	1	144	1	10	9	27	1	59	5
OGSBS048	.7	6	125	1	9	13	24	2	72	5
OGSBS049	.2	9	81	1	9	8	13	1	52	5
OGSBS050	.3	11	183	1	10	25	22	1	84	5



MIN-EN LABORATORIES
 MINERAL ENVIRONMENTAL
 LABORATORIES

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

Geochemical Analysis Certificate

OV-0527-RG1

Company: MINNOVA INC.
 Project: SBS 255
 Attn: I.PIRIE/CLAYTON

Date: MAY-31-90
 Copy 1. MINNOVA INC., VANCOUVER, B.C.
 2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 29 ROCK samples submitted MAY-20-90 by G.ATTWOOD.

Sample Number	TE PPM
OCSBS013	0.35
OCSBS014	0.46
OCSBS015	0.23
OCSBS016	0.23
OCSBS017	0.23
OCSBS018	0.57
OCSBS019	0.35
OCSBS020	0.23
OCSBS021	0.12
OCSBS022	0.35
OCSBS023	0.01
OCSBS024	0.01
OCSBS025	0.12
OCSBS026	0.01
OCSBS027	0.01
OCSBS034	0.23
OCSBS035	0.35
OCSBS036	0.01
OCSBS037	0.23
OCSBS038	0.23
OCSBS039	0.23
OCSBS040	0.01
OCSBS041	0.12
OCSBS042	0.12
OCSBS043	0.12
OCSBS044	0.23
OCSBS045	0.12
OCSBS046	0.12
OCSBS047	0.01

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 JUN 5 1990
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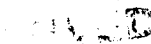
Certified by 
 MIN-EN LABORATORIES

COMP: MINNOVA INC.
 PROJ: SBS 255
 ATTN: I.PIRIE/CLAYTON

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: OV-0527-RL1
 DATE: 90/05/30
 * ROCK * (ACT: FIRE)

SAMPLE NUMBER	AL2O3 %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SI02 %	TIO2 %	S %	TOT(%) %
OCSBS013	15.87	2.24	4.93	3.24	1.81	.10	3.50	.14	60.87	.50	2.20	95.51
OCSBS014	15.42	1.61	4.91	1.36	2.05	.09	5.44	.18	64.14	.52	1.68	97.46
OCSBS015	14.55	3.71	3.98	3.01	1.44	.11	2.62	.14	64.70	.33	.08	94.74
OCSBS016	15.76	2.89	4.10	4.03	1.08	.12	2.64	.17	62.74	.50	.06	94.20
OCSBS017	16.36	2.25	4.50	3.53	.77	.10	3.76	.18	63.00	.51	.02	95.08
OCSBS018	16.09	2.37	4.12	1.90	.91	.07	5.70	.17	64.42	.45	.02	96.28
OCSBS019	14.06	2.73	2.98	1.89	1.03	.08	4.96	.13	66.84	.24	.02	95.00
OCSBS020	15.64	2.46	4.70	1.27	1.02	.08	5.59	.18	64.71	.49	.03	96.23
OCSBS021	15.97	1.13	3.42	1.38	.53	.05	6.34	.11	67.70	.38	.14	97.19
OCSBS022	14.89	3.26	3.91	2.01	.98	.09	4.81	.14	64.98	.38	.04	95.56
OCSBS023	16.34	1.26	5.37	3.56	.56	.09	3.34	.15	64.48	.43	.01	95.68
OCSBS024	15.68	2.14	4.15	2.19	.56	.07	5.24	.14	64.42	.41	.04	95.10
OCSBS025	15.09	2.68	5.78	4.33	1.08	.08	1.40	.15	62.47	.39	.08	93.65
OCSBS026	15.21	2.84	4.32	3.27	.95	.12	3.02	.12	64.53	.38	.12	94.96
OCSBS027	15.89	1.05	5.10	3.56	.54	.16	2.28	.10	66.56	.28	.01	95.60
OCSBS034	14.30	4.02	4.52	2.49	1.57	.12	3.85	.17	60.85	.50	.04	92.50
OCSBS035	15.34	3.45	5.60	3.06	1.29	.12	2.59	.20	60.91	.59	.09	93.31
OCSBS036	14.01	1.77	2.18	1.50	.26	.07	5.08	.05	71.99	.20	.01	97.18
OCSBS037	15.22	3.43	6.68	1.57	1.53	.10	4.11	.27	61.05	.71	.03	94.75
OCSBS038	16.61	.78	3.25	3.18	.82	.05	4.61	.08	66.86	.33	.01	96.70
OCSBS039	14.27	4.90	4.95	1.82	1.15	.14	3.47	.20	61.68	.53	.04	93.21
OCSBS040	15.53	2.28	4.44	2.15	.36	.09	5.09	.16	65.24	.45	.03	95.88
OCSBS041	14.41	3.58	4.27	1.72	.57	.09	4.69	.17	64.71	.48	.04	94.81
OCSBS042	15.46	3.52	6.17	2.79	1.71	.16	2.43	.25	60.78	.72	.04	94.11
OCSBS043	15.81	2.08	6.00	2.11	.93	.09	4.83	.25	62.25	.68	.03	95.13
OCSBS044	15.47	1.40	3.41	3.65	.78	.08	2.85	.13	67.74	.35	.02	95.97
OCSBS045	15.43	1.70	3.82	2.18	.57	.08	5.06	.15	66.46	.38	.02	95.92
OCSBS046	15.34	3.00	6.26	3.17	.97	.09	2.75	.24	61.27	.72	.04	93.92
OCSBS047	15.81	2.24	4.13	3.33	.98	.06	3.61	.15	64.72	.50	.02	95.66


 JUN 5 1990
 Ans'd



**MIN-EN
LABORATORIES**

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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

Assay Certificate

OV-0527-RA1

Company: MINNOVA INC.
Project: SBS 255
Attn: I. PIRIE/CLAYTON

Date: MAY-30-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 29 ROCK samples submitted MAY-20-90 by G. ATTWOOD.

Sample Number	LOI %
OCSBS013	5.60
OCSBS014	3.15
OCSBS015	4.70
OCSBS016	4.90
OCSBS017	4.00
OCSBS018	3.00
OCSBS019	4.10
OCSBS020	2.80
OCSBS021	2.05
OCSBS022	3.60
OCSBS023	3.30
OCSBS024	4.10
OCSBS025	5.40
OCSBS026	4.50
OCSBS027	3.35
OCSBS034	6.60
OCSBS035	6.15
OCSBS036	1.95
OCSBS037	4.60
OCSBS038	2.40
OCSBS039	6.10
OCSBS040	3.50
OCSBS041	4.50
OCSBS042	5.00
OCSBS043	3.90
OCSBS044	3.15
OCSBS045	3.25
OCSBS046	5.15
OCSBS047	3.70

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TIMMINS OFFICE:
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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0525-SG1

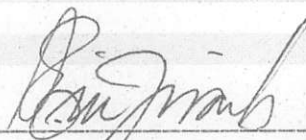
Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: MAY-30-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted MAY-21-90 by LAURA PRENTICE.

Sample Number	TE PPM
OJSBS001	1.41
OJSBS002	.47
OJSBS003	.94
OJSBS004	.63
OJSBS005	.94
OJSBS006	.94
OJSBS007	1.25
OJSBS008	1.10
OJSBS009	.16
OJSBS010	.01
OJSBS011	.01
OJSBS012	.01
OJSBS013	.16
OJSBS014	.16
OJSBS015	.31
OJSBS016	.31
OJSBS017	.31
OJSBS018	.16
OJSBS019	.16
OJSBS020	.47
OJSBS021	.31
OJSBS022	.16
OJSBS023	.31
OJSBS024	.31
OJSBS025	.16
OJSBS026	.16
OJSBS027	.01
OJSBS028	.16
OJSBS029	.31
OJSBS030	.16

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

Geochemical Analysis Certificate

OV-0525-SG2

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: MAY-30-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted MAY-21-90 by LAURA PRENTICE.

Sample Number	TE PPM
OJSBS031	.63
OJSBS032	.31
OJSBS033	.01
OJSBS034	.31
OJSBS035	.16
OJSBS036	.01
OJSBS037	.01
OJSBS038	.01
OJSBS039	.16
OJSBS040	.01
OJSBS041	.01
OJSBS042	.01
OJSBS043	.01
OJSBS044	.01
OJSBS045	.01
OJSBS046	.16
OJSBS047	.31
OJSBS048	.63
OJSBS049	.47
OJSBS050	.31
OJSBS051	.47
OJSBS052	.31
OJSBS053	.16
OJSBS054	.16
OJSBS055	.47
OJSBS056	.63
OJSBS057	.31
OJSBS058	.01
OJSBS059	.01
OJSBS060	.01

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0525-SG3

Company: MINNOVA INC.,
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: MAY-30-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted MAY-21-90 by LAURA PRENTICE.

Sample Number	TE PPM
OJSBS061	5.31
OJSBS062	2.81
OJSBS063	2.62
OJSBS064	.27
ODSBS001	.24
ODSBS002	.15
ODSBS003	.01
ODSBS004	.01
ODSBS005	.64
ODSBS006	.47
ODSBS007	4.99
ODSBS008	1.55
ODSBS009	.96
ODSBS010	1.24
ODSBS011	.99
ODSBS012	1.89
ODSBS013	.89
ODSBS014	.78
ODSBS015	.25
ODSBS016	.16
ODSBS017	1.12
ODSBS018	.08
ODSBS019	2.09
ODSBS020	.97
ODSBS021	.74
ODSBS022	2.32
ODSBS023	1.25
ODSBS024	1.88
ODSBS025	2.19
ODSBS026	2.66

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

Geochemical Analysis Certificate

OV-0525-SG4

Company: MINNOVA INC.
Project: SBS 225
Attn: I. PIRIE/C. CLAYTON

Date: MAY-30-90

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

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted MAY-21-90 by LAURA PRENTICE.

Sample Number	TE PPM
ODSBS027	1.22
ODSBS028	3.81
ODSBS029	.92
ODSBS030	6.04
ODSBS031	1.91
ODSBS032	5.85
ODSBS033	1.29
ODSBS034	.01
ODSBS035	.01
ODSBS036	.01
ODSBS037	.01
ODSBS038	1.36
ODSBS039	1.85
ODSBS040	.01
OGSBS001	4.34
OGSBS002	5.10
OGSBS003	.01
OGSBS004	.01
OGSBS005	.01
OGSBS006	.01
OGSBS007	2.16
OGSBS008	.01
OGSBS009	.01
OGSBS010	.65
OGSBS011	.38
OGSBS012	.51
OGSBS013	.11
OGSBS014	.02
OGSBS015	2.75
OGSBS016	1.58

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 TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

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

Geochemical Analysis Certificate

OV-0525-SG5

Company: MINNOVA INC.
 Project: SBS 225
 Attn: I. PIRIE/C. CLAYTON

Date: MAY-30-90
 Copy 1. MINNOVA INC., VANCOUVER, B.C.
 2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 9 SOIL samples submitted MAY-21-90 by LAURA PRENTICE.

Sample Number	TE PPM
OGSBS017	2.03
OGSBS018	.66
OGSBS019	1.79
OGSBS020	3.26
OGSBS021	1.32
OGSBS022	.83
OGSBS023	1.86
OGSBS024	3.04
OGSBS025	.40

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
 PROJ: SBS 225
 ATTN: I.PIRIE/C.CLAYTON

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: OV-0525-SJ1+2
 DATE: 90/05/30
 * SOIL * (ACT:F31)

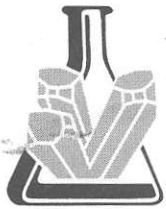
SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	BI PPM	CO PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OJSBS001	.1	26	168	1	9	45	20	1	70	15
OJSBS002	.2	5	172	1	8	51	19	1	47	5
OJSBS003	.4	5	131	1	7	25	17	1	40	5
OJSBS004	.5	14	144	1	10	16	22	2	33	10
OJSBS005	.3	10	264	1	12	20	24	1	86	10
OJSBS006	.2	1	110	1	7	11	15	1	48	5
OJSBS007	.3	3	116	1	8	13	19	1	68	5
OJSBS008	.1	1	117	1	9	10	23	1	63	5
OJSBS009	.5	4	108	1	8	7	18	1	50	5
OJSBS010	.5	1	109	1	7	7	24	1	67	10
OJSBS011	.3	11	88	1	8	4	16	1	53	5
OJSBS012	.5	1	66	1	7	4	14	1	35	5
OJSBS013	.5	5	137	1	9	9	17	1	39	5
OJSBS014	.6	4	83	1	8	8	21	1	56	5
OJSBS015	.5	12	133	1	9	14	23	1	55	5
OJSBS016	.5	5	177	1	7	8	19	1	85	5
OJSBS017	.1	7	149	1	7	68	18	1	58	5
OJSBS018	.1	7	106	1	8	75	20	1	48	5
OJSBS019	.4	4	64	1	7	6	14	1	45	5
OJSBS020	.1	11	145	1	14	5	28	1	111	5
OJSBS021	.8	11	96	1	10	10	20	6	29	5
OJSBS022	.4	8	113	1	11	4	16	1	51	5
OJSBS023	.4	1	58	1	6	4	11	1	25	5
OJSBS024	.5	5	177	1	10	12	22	1	78	5
OJSBS025	.8	9	73	1	7	6	18	1	36	5
OJSBS026	.5	1	121	1	8	17	22	1	87	5
OJSBS027	1.3	5	133	1	11	42	26	1	58	10
OJSBS028	.8	9	133	1	8	53	20	1	63	5
OJSBS029	.2	2	133	1	7	15	18	1	64	5
OJSBS030	.4	1	110	1	7	9	20	1	97	5
OJSBS031	.1	3	167	1	9	18	33	1	119	5
OJSBS032	.1	7	102	1	7	14	23	1	55	5
OJSBS033	1.0	7	109	1	10	7	25	2	108	10
OJSBS034	.4	7	179	1	9	16	21	1	83	5
OJSBS035	.1	1	102	1	8	5	12	1	114	5
OJSBS036	.1	4	105	1	8	15	16	1	53	5
OJSBS037	.5	13	108	1	9	7	22	1	82	10
OJSBS038	.7	4	61	1	8	4	19	1	62	10
OJSBS039	.4	8	165	1	10	36	19	1	62	5
OJSBS040	.8	9	135	1	8	35	21	1	74	10
OJSBS041	.7	7	123	1	7	11	19	1	56	5
OJSBS042	.6	6	112	1	8	20	18	1	61	5
OJSBS043	1.4	10	74	1	9	29	25	4	39	5
OJSBS044	.9	7	71	1	8	11	19	1	49	5
OJSBS045	.9	5	123	1	8	13	22	1	51	5
OJSBS046	.8	1	90	1	9	9	20	1	67	10
OJSBS047	.4	8	234	1	9	19	24	1	74	5
OJSBS048	.7	10	173	1	8	11	21	1	57	5
OJSBS049	1.0	10	103	1	10	9	20	1	68	5
OJSBS050	.9	8	121	1	9	20	21	1	38	5
OJSBS051	.7	16	166	1	9	14	18	1	44	5
OJSBS052	1.0	13	103	1	12	12	23	4	95	10
OJSBS053	.5	17	201	1	9	23	21	1	50	5
OJSBS054	.9	20	149	1	12	11	24	1	69	5
OJSBS055	.9	18	110	1	14	17	34	2	126	5
OJSBS056	.5	8	87	1	8	9	17	1	82	10
OJSBS057	.4	4	85	1	9	6	17	1	86	5
OJSBS058	.8	12	76	1	10	5	21	1	75	5
OJSBS059	.9	5	61	1	7	12	22	1	31	5
OJSBS060	.4	4	64	1	9	5	16	1	49	5

COMP: MINNOVA INC.
 PROJ: SBS 225
 ATTN: I.PIRIE/C.CLAYTON

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: OV-0525-SJ3+4
 DATE: 90/05/30
 * SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	BI PPM	CO PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OJSBS061	.2	1	48	1	6	3	10	1	28	5
OJSBS062	.3	1	33	1	4	2	7	1	10	5
OJSBS063	.4	8	98	1	9	7	22	1	71	5
OJSBS064	.9	17	152	1	9	15	26	1	101	5
ODSBS001	.7	13	153	1	9	34	20	1	62	5
ODSBS002	.6	13	145	1	10	67	22	1	52	5
ODSBS003	.3	16	190	1	6	28	14	1	30	5
ODSBS004	.5	11	181	1	7	17	18	1	68	5
ODSBS005	.9	13	130	1	7	17	14	1	54	5
ODSBS006	.3	3	174	1	6	9	12	1	59	5
ODSBS007	.5	15	177	1	13	44	25	1	56	5
ODSBS008	.5	7	187	1	11	32	24	1	71	5
ODSBS009	.5	14	152	1	12	20	17	1	97	5
ODSBS010	.5	20	125	1	9	30	24	1	47	5
ODSBS011	.2	5	249	1	9	18	29	1	112	10
ODSBS012	.6	5	100	1	10	9	15	1	45	5
ODSBS013	.2	9	72	1	6	11	10	1	28	5
ODSBS014	.2	8	89	1	9	13	18	1	55	5
ODSBS015	.2	7	96	1	8	9	17	1	61	5
ODSBS016	.6	6	52	1	6	2	13	1	28	5
ODSBS017	.4	6	98	1	9	4	17	1	51	5
ODSBS018	1.5	20	120	1	11	21	25	5	71	5
ODSBS019	.8	18	155	1	13	15	22	4	66	10
ODSBS020	.5	10	120	1	11	19	26	2	80	5
ODSBS021	.3	8	100	1	9	10	17	1	44	5
ODSBS022	.5	8	89	1	9	10	21	1	32	5
ODSBS023	.9	19	83	1	10	25	22	1	75	5
ODSBS024	.6	12	136	1	8	5	17	1	72	5
ODSBS025	.4	8	139	1	8	18	22	1	71	5
ODSBS026	.4	4	76	1	6	2	12	1	43	5
ODSBS027	.1	1	133	1	8	7	19	1	80	5
ODSBS028	1.1	10	98	1	10	42	45	1	53	5
ODSBS029	.2	3	165	1	8	22	20	1	99	5
ODSBS030	.1	1	110	1	8	7	36	1	148	5
ODSBS031	1.7	7	158	1	8	19	24	1	136	10
ODSBS032	.7	10	42	1	6	5	19	1	35	15
ODSBS033	1.5	29	65	1	8	6	23	11	48	5
ODSBS034	.5	7	112	1	7	7	30	1	93	15
ODSBS035	.2	5	190	1	8	14	20	1	150	10
ODSBS036	.4	12	138	1	6	5	15	1	133	5
ODSBS037	.4	10	144	1	9	17	21	1	92	5
ODSBS038	.8	18	135	1	12	11	27	3	81	5
ODSBS039	.2	9	101	1	11	29	23	1	114	5
ODSBS040	.1	4	92	1	10	6	14	1	81	5
OGSBS001	1.0	10	95	1	7	12	15	1	60	5
OGSBS002	.6	7	141	1	7	54	16	1	36	5
OGSBS003	.6	6	150	1	11	31	20	1	67	5
OGSBS004	1.0	10	102	1	10	36	43	1	71	5
OGSBS005	1.1	14	85	1	9	15	16	1	60	5
OGSBS006	.8	12	133	1	10	26	23	2	105	5
OGSBS007	.8	3	120	1	11	47	22	1	85	5
OGSBS008	.7	14	99	1	11	23	21	2	76	5
OGSBS009	.8	19	180	1	11	42	26	3	67	5
OGSBS010	.7	15	132	1	11	16	22	2	63	10
OGSBS011	.4	11	135	1	9	20	19	1	75	5
OGSBS012	.6	11	134	1	9	9	16	1	81	5
OGSBS013	.7	14	103	1	12	9	21	1	111	5
OGSBS014	1.5	7	139	1	9	7	27	1	106	5
OGSBS015	.6	8	89	1	9	11	19	3	73	5
OGSBS016	.4	15	138	1	7	15	21	1	53	5



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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

Assay Certificate

OV-0474-RA1

Company: MINNOVA INC.
Project: 225-SBS
Attn: D. HEBERLIEN/I. PIRIE

Date: MAY-17-90

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

We hereby certify the following Assay of 3 ROCK samples
submitted MAY-08-90 by C. CLAYTON.

Sample Number	LOI %
OHSBL011	6.00
OHSBL012	4.00
OHSBL013	8.40

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MAY 23 1990

Certified by _____

MIN-EN LABORATORIES

CJMP: MINNOVA INC.
 PROJ: 225-SBS
 ATTN: D.HEBERLIEN/I.PIRIE

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 0V-0474-RJ1
 DATE: 90/05/17
 * ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OHSBL011	1.2	33	55	233	14	1	24	5
OHSBL012	1.4	26	43	154	15	1	18	5
OHSBL013	.9	2	7	682	13	2	6	10

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 MAY 28 1990

