

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

822856  
Stoney Creek

PHONE: (604)980-5814 OR (604)980-4524

TELEX: VIA USA 7601067 UC

Analytical Report

RECEIVED

JUL 6 1987

Ans'd .....

Company: MINNOVA INC.

Project: 322

Attention:

File: 7-646

Date: JULY 3/87

Type: ROCK GEOCHEM

Date Samples Received : JUNE 24/87

Samples Submitted by :

Report on ..... 91 ROCKS..... Geochem Samples

..... Assay Samples

Copies sent to:

- 1. MINNOVA INC., VANCOUVER, B.C.
- 2.
- 3.

Samples: Sieved to mesh ..... Ground to mesh -80 MESH.....

Prepared samples stored: ..... X.... discarded: .....

rejects stored: ..... discarded: ..... X.....

Methods of analysis:

STANDARD MINNOVA PACKAGE  
F -SPECIFIC ION METER.

Remarks

COMPANY: MINNOVA INC.

## MIN-EN LABS ICP REPORT

(ACT:616) PAGE 1 OF 1

PROJECT NO: 322

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

FILE NO: 7-646R/P3+4

ATTENTION:

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

\* TYPE ROCK GEOCHEM \* DATE: JULY 3, 1987

(VALUES IN PPM )	AG	AS	B	CU	PB	SB	ZN	AU-PPB	F
YK-87-072	.4	6	2	8	5	1	42	5	500
YK-87-073	.7	3	1	3	5	1	24	5	260
YK-87-074	1.1	13	3	31	7	1	98	5	825
YK-87-075	1.1	7	8	7	12	1	114	5	900
YK-87-076	.8	15	2	7	8	1	83	10	470
YK-87-077	1.3	3	6	46	5	2	65	5	140
YK-87-078	1.1	3	6	62	11	2	39	10	180
YK-87-079	1.1	17	7	29	8	1	52	5	180
YK-87-080	.8	3	1	5	7	1	40	5	270
YK-87-081	1.0	20	6	22	7	1	60	5	810
YK-87-082	.7	5	1	35	9	1	55	5	1075
YK-87-083	.8	7	1	12	5	1	34	5	590
YK-87-084	.8	4	4	5	5	1	55	5	690
YK-87-085	1.5	2	6	167	4	1	22	5	300
YK-87-086	1.4	28	14	11	23	2	144	10	1850
YK-87-087	.9	4	2	4	10	1	54	5	600
YK-87-088	.6	8	1	5	5	1	43	5	590
YK-87-089	.6	4	1	7	6	1	33	5	265
YK-87-090	.6	4	1	4	5	1	58	5	495
YK-87-091	1.2	9	5	58	10	1	25	10	280
YK-87-092	1.6	5	7	106	6	2	21	5	235
YK-87-093	.8	7	7	8	7	2	36	10	575
YK-87-094	.8	12	6	15	11	2	48	5	900
YK-87-095	1.2	14	7	13	15	2	63	5	1365
YK-87-096	1.0	8	4	31	5	1	66	5	1250
YK-87-097	.9	1	5	24	9	1	73	5	790
YK-87-098	1.9	11	8	35	17	3	34	5	1475
YK-87-099	1.1	14	25	12	9	1	83	5	840
YK-87-100	.6	4	1	17	10	1	65	5	590
YK-87-101	.5	3	1	2	5	1	17	5	665
YK-87-102	.7	2	1	2	4	1	19	5	725

(VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PPB	F
YK-87-000	1.0	8	3	227	11	1	40	5	200
YK-87-001	.7	6	1	4	4	1	17	10	230
YK-87-002	.8	1	2	8	3	1	30	5	300
YK-87-003	.7	1	4	11	6	1	19	5	625
YK-87-004	.7	1	4	7	8	1	31	5	450
YK-87-005	1.0	1	4	36	6	2	26	5	650
YK-87-006	.8	7	1	7	4	1	20	5	340
YK-87-007	1.0	2	5	19	6	1	40	5	925
YK-87-008	1.0	4	2	158	4	2	20	5	430
YK-87-009	.8	7	1	8	4	1	22	10	250
YK-87-010	1.3	11	8	21	10	1	61	5	610
YK-87-011	1.2	14	7	24	9	1	81	5	815
YK-87-012	1.1	24	15	75	3	1	33	5	145
YK-87-013	1.2	14	13	9	14	2	45	5	115
YK-87-014	1.6	1	14	47	4	1	43	5	350
YK-87-015	1.0	13	7	69	9	1	35	10	175
YK-87-016	.8	7	4	53	6	1	23	10	375
YK-87-017	.8	5	5	11	11	2	45	5	450
YK-87-018	1.3	11	9	118	6	1	27	10	515
YK-87-019	.7	1	1	4	5	1	23	5	220
YK-87-020	.9	3	4	27	9	1	40	10	240
YK-87-021	1.4	2	15	77	10	1	34	5	350
YK-87-022	1.3	19	15	6	18	2	53	5	230
YK-87-023	1.0	1	17	10	12	1	48	5	190
YK-87-024	.7	4	1	10	6	1	25	5	185
YK-87-025	1.1	13	14	76	10	2	35	5	190
YK-87-026	.9	2	12	100	4	1	32	10	190
YK-87-027	.8	6	9	68	5	2	22	5	235
YK-87-028	1.0	2	11	57	6	2	32	10	230
YK-87-040	1.2	15	12	28	12	2	86	5	1300
YK-87-041	.8	3	8	48	5	2	57	5	750
YK-87-042	.8	14	8	16	4	1	68	5	1250
YK-87-043	.8	9	8	13	4	2	62	10	865
YK-87-044	.5	4	1	110	4	2	8	5	280
YK-87-045	1.2	27	19	19	7	1	52	5	270
YK-87-046	1.0	11	4	78	5	2	29	5	355
YK-87-047	.7	5	2	7	7	1	21	5	210
YK-87-048	.8	6	7	10	5	1	72	5	840
YK-87-049	.8	4	6	13	4	2	56	10	800
YK-87-050	1.1	16	3	36	9	2	85	5	540
YK-87-051	.5	23	2	5	3	1	26	5	1390
YK-87-052	.8	7	3	18	8	1	53	5	785
YK-87-053	.9	11	5	34	9	1	58	5	725
YK-87-054	.8	4	3	15	7	1	49	5	590
YK-87-055	1.2	12	6	25	9	1	64	10	925
YK-87-056	.4	7	1	13	5	1	29	5	425
YK-87-057	.6	2	2	7	4	1	25	5	200
YK-87-058	.9	5	5	16	7	1	55	5	695
YK-87-059	.6	6	1	8	4	1	29	5	305
YK-87-060	.8	6	5	126	9	2	36	5	740
YK-87-061	.9	1	5	8	7	1	34	5	560
YK-87-062	1.0	14	7	20	4	1	46	10	560
YK-87-063	.6	1	2	11	5	1	17	5	390
YK-87-065	.8	4	3	7	5	1	21	5	450
YK-87-066	.8	9	2	11	6	1	26	5	480
YK-87-067	.9	1	4	9	8	1	164	5	470
YK-87-068	.8	5	3	5	8	1	29	10	385
YK-87-069	1.0	11	7	21	4	2	56	5	675
YK-87-070	.8	193	6	9	3	1	37	5	460
YK-87-071	1.0	2	6	13	8	1	52	5	700

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(VALUES IN % )	AL2O3	BA	CAD	FE2O3	K2O	MGO	MND2	NA2O	SI02	SR	TIO2	ZR	TOT(%)
YK-87-000	12.63	.027	9.23	18.39	.55	5.11	.38	2.00	46.98	.02	1.95	.006	97.28
YK-87-001	5.18	.009	.04	1.80	.60	.27	.04	1.75	87.94	.01	.25	.030	97.91
YK-87-002	9.38	.027	.26	2.75	1.45	.48	.06	2.78	80.57	.01	.34	.032	98.14
YK-87-003	20.10	.101	.18	3.75	5.80	.85	.07	1.59	64.81	.02	.78	.028	98.08
YK-87-004	8.09	.012	.56	2.96	1.11	.62	.08	2.36	81.91	.02	.34	.024	98.08
YK-87-005	17.01	.080	.11	4.28	5.24	.86	.06	.72	69.09	.01	.67	.023	98.14
YK-87-006	11.42	.038	.04	2.25	2.27	.49	.04	2.33	78.64	.01	.44	.020	97.98
YK-87-007	11.13	.025	1.58	3.08	1.54	1.08	.10	2.61	76.22	.03	.43	.018	97.84
YK-87-008	10.96	.041	.05	3.16	2.48	.55	.04	1.69	78.59	.01	.40	.017	98.00
YK-87-009	7.95	.024	.05	1.95	1.22	.43	.05	1.81	84.16	.01	.35	.020	98.02
YK-87-010	17.74	.065	.05	5.60	4.47	1.47	.07	1.44	66.50	.01	.70	.017	98.14
YK-87-011	10.34	.020	.69	5.17	1.92	1.44	.08	2.13	75.87	.02	.37	.014	98.07
YK-87-012	15.74	.006	11.67	9.62	.32	8.09	.24	1.37	49.98	.02	.71	.005	97.77
YK-87-013	14.13	.005	10.66	9.81	.26	7.46	.26	1.32	53.28	.02	.61	.005	97.81
YK-87-014	15.91	.014	10.94	9.34	.89	9.44	.25	1.45	48.95	.01	.59	.005	97.80
YK-87-015	14.79	.011	10.54	10.72	.77	8.12	.27	1.45	50.36	.02	.73	.005	97.77
YK-87-016	15.55	.036	9.10	10.26	2.63	7.99	.28	1.34	50.00	.02	.70	.005	97.91
YK-87-017	11.49	.038	1.08	3.74	2.16	.87	.09	2.40	75.77	.02	.46	.033	98.16
YK-87-018	14.48	.017	10.55	11.39	.43	7.95	.27	1.74	50.06	.02	.86	.005	97.79
YK-87-019	7.60	.023	.11	1.82	.98	.42	.05	2.36	84.44	.01	.33	.029	98.18
YK-87-020	11.63	.033	.17	2.49	1.29	.71	.05	3.68	77.69	.01	.44	.017	98.21
YK-87-021	14.92	.014	11.40	10.45	.44	8.04	.25	1.44	50.12	.02	.76	.005	97.86
YK-87-022	16.81	.020	9.44	11.81	.80	8.59	.28	1.46	47.95	.02	.68	.005	97.86
YK-87-023	15.83	.017	10.92	10.06	.67	8.41	.25	1.27	49.72	.02	.66	.005	97.83
YK-87-024	10.16	.076	.67	2.65	2.25	.72	.04	1.52	79.56	.01	.42	.018	98.10
YK-87-025	14.77	.009	11.44	10.30	.35	8.06	.26	1.27	50.59	.01	.72	.005	97.79
YK-87-026	14.86	.006	11.53	10.52	.26	7.87	.26	1.43	50.26	.02	.77	.005	97.79
YK-87-027	15.56	.019	9.32	10.36	1.26	8.05	.27	2.00	50.27	.02	.75	.005	97.88
YK-87-028	15.02	.009	11.05	9.51	.40	8.68	.24	1.47	50.73	.02	.66	.005	97.78
YK-87-040	15.12	.072	2.43	3.95	3.92	4.02	.10	1.92	65.96	.02	.55	.022	98.07
YK-87-041	15.81	.078	.83	5.48	3.90	1.88	.06	2.20	67.21	.03	.60	.018	98.09
YK-87-042	17.84	.081	.04	5.73	5.96	2.31	.07	.56	64.81	.01	.71	.019	98.14
YK-87-043	16.02	.063	.07	5.58	5.05	1.90	.06	1.05	67.64	.01	.63	.019	98.09
YK-87-044	7.87	.029	.20	1.81	1.27	.26	.03	1.74	84.36	.01	.33	.019	97.93
YK-87-045	15.99	.005	11.47	9.35	.13	9.08	.25	1.32	49.47	.02	.60	.005	97.70
YK-87-046	14.30	.009	9.16	11.94	.43	6.92	.30	2.51	51.12	.02	1.02	.005	97.72
YK-87-047	7.66	.041	.26	2.06	1.47	.62	.03	2.29	83.15	.01	.30	.026	97.92
YK-87-048	18.65	.073	.05	5.51	5.44	1.54	.07	.84	65.12	.01	.69	.019	98.01
YK-87-049	16.21	.062	.09	4.77	4.40	1.44	.07	.94	70.32	.01	.62	.020	98.98
YK-87-050	16.14	.073	1.23	4.70	4.76	2.40	.14	.96	67.14	.02	.59	.025	98.18
YK-87-051	29.48	.162	.06	3.24	8.18	.93	.08	2.37	51.96	.02	1.22	.040	97.74
YK-87-052	14.77	.065	.07	4.21	4.18	1.01	.06	1.43	71.72	.01	.56	.023	98.11
YK-87-053	12.49	.047	.04	4.60	3.23	1.04	.05	1.70	74.35	.01	.48	.016	98.05
YK-87-054	10.38	.031	.36	3.31	2.09	.83	.05	2.07	78.35	.02	.45	.029	97.98
YK-87-055	16.87	.078	.05	4.87	4.78	1.07	.05	1.39	68.23	.01	.65	.022	98.08
YK-87-056	9.78	.032	.29	2.31	1.63	.58	.07	2.18	80.82	.02	.34	.024	98.09
YK-87-057	6.53	.013	.03	1.86	.69	.37	.04	1.74	86.16	.01	.43	.072	97.94
YK-87-058	10.49	.027	.43	4.41	2.22	1.02	.06	2.21	76.87	.02	.40	.017	98.18
YK-87-059	8.09	.044	.13	2.34	1.20	.52	.06	2.05	83.05	.01	.33	.027	97.85
YK-87-060	9.44	.044	.03	4.75	3.07	.74	.05	.19	79.29	.01	.35	.013	97.97
YK-87-061	10.49	.046	.01	4.03	3.26	.65	.01	.13	78.96	.01	.46	.031	98.07
YK-87-062	10.61	.035	1.47	4.01	2.58	.71	.17	.46	77.50	.01	.40	.018	97.98
YK-87-063	10.71	.057	.24	2.03	3.73	.49	.06	.17	79.95	.01	.52	.040	98.01
YK-87-065	10.88	.050	.67	2.25	3.11	.62	.07	1.14	78.78	.01	.45	.022	98.05
YK-87-066	11.59	.040	.54	2.99	3.03	.70	.08	1.34	77.19	.01	.47	.021	98.01
YK-87-067	9.62	.017	1.06	3.03	1.23	.82	.11	2.75	78.96	.02	.41	.044	98.07
YK-87-068	9.99	.023	.39	2.55	1.48	.67	.08	2.90	79.33	.02	.52	.047	97.99
YK-87-069	10.07	.017	1.82	4.18	1.71	1.36	.15	2.15	76.11	.02	.43	.029	98.07
YK-87-070	8.59	.012	.55	3.11	1.17	.80	.05	2.73	80.61	.03	.32	.020	97.98
YK-87-071	8.96	.017	1.84	3.91	1.72	1.37	.16	2.02	77.67	.02	.30	.008	97.99

(VALUES IN % )	AL2O3	BA	CAD	FE2O3	K2O	MGO	MNO2	NA2O	SIO2	SR	TIO2	ZR	TOT(%)
YK-87-072	10.16	.026	.44	3.00	1.76	.71	.07	2.72	78.78	.02	.42	.023	98.13
YK-87-073	13.12	.055	.24	2.59	3.76	.74	.05	1.20	75.82	.01	.46	.016	98.06
YK-87-074	12.47	.037	.47	4.75	2.80	1.24	.08	2.67	73.15	.02	.45	.017	98.15
YK-87-075	11.17	.025	.52	6.06	2.42	1.75	.10	2.04	73.57	.02	.42	.019	98.10
YK-87-076	10.06	.019	.71	4.91	1.92	1.17	.07	2.14	76.60	.02	.39	.020	98.02
YK-87-077	14.50	.006	8.81	10.95	.50	8.13	.25	2.11	51.61	.02	.81	.005	97.71
YK-87-078	15.22	.009	10.32	9.91	.54	7.98	.26	1.96	50.73	.01	.78	.005	97.74
YK-87-079	14.94	.016	8.21	10.62	.83	8.58	.27	1.83	51.72	.01	.73	.005	97.76
YK-87-080	10.15	.015	1.42	2.96	.91	.61	.16	2.66	78.79	.02	.42	.020	98.14
YK-87-081	19.88	.089	.06	5.87	5.96	1.58	.07	1.72	62.06	.02	.76	.020	98.08
YK-87-082	14.84	.069	.12	3.04	4.40	1.24	.04	1.21	72.49	.01	.61	.022	98.08
YK-87-083	10.50	.031	.60	3.07	2.01	.90	.05	1.88	78.54	.02	.40	.008	98.00
YK-87-084	18.76	.083	.09	4.98	5.60	1.38	.07	1.68	64.70	.01	.74	.024	98.15
YK-87-085	13.87	.019	9.48	12.74	.56	5.99	.26	1.98	51.46	.02	1.30	.007	97.69
YK-87-086	16.00	.060	.73	7.45	4.60	4.25	.19	1.81	62.24	.02	.61	.029	97.97
YK-87-087	11.35	.042	.10	3.39	2.89	.86	.05	1.57	77.44	.01	.43	.019	98.15
YK-87-088	13.31	.048	.31	3.37	3.06	.84	.06	1.92	74.64	.01	.49	.021	98.09
YK-87-089	9.93	.021	.57	2.58	1.09	.63	.11	2.46	80.21	.02	.36	.018	97.98
YK-87-090	11.47	.058	.19	2.72	3.25	.86	.07	.88	78.09	.01	.46	.025	98.09
YK-87-091	14.45	.008	10.21	10.83	.35	7.75	.27	2.16	50.78	.02	.82	.005	97.66
YK-87-092	14.90	.007	10.29	11.57	.43	6.05	.25	2.22	50.84	.02	1.07	.005	97.64
YK-87-093	20.78	.108	.09	5.73	6.85	1.54	.11	.57	61.52	.01	.81	.020	98.13
YK-87-094	19.87	.097	.10	5.44	6.41	1.44	.09	.94	62.95	.01	.78	.021	98.15
YK-87-095	15.37	.042	.84	5.80	3.67	1.77	.11	2.93	66.94	.02	.61	.022	98.12
YK-87-096	13.43	.041	.99	4.17	2.87	1.40	.09	2.57	71.84	.02	.50	.018	97.95
YK-87-097	10.77	.021	.92	5.24	1.91	1.09	.10	2.67	74.84	.02	.42	.012	98.00
YK-87-098	13.77	.145	9.22	14.64	1.26	5.24	.39	2.99	44.99	.06	3.57	.011	96.28
YK-87-099	9.70	.014	.91	5.31	1.87	1.44	.10	2.25	76.15	.02	.35	.010	98.12
YK-87-100	9.00	.018	.94	3.73	1.46	.97	.10	2.44	79.09	.02	.32	.009	98.09
YK-87-101	18.77	.091	.11	2.51	5.11	.75	.07	2.16	67.83	.01	.70	.036	98.14
YK-87-102	19.39	.108	.19	2.17	5.31	.71	.08	1.28	68.16	.01	.68	.022	98.10