

Appendix D: Certificates of Analysis

to Accompany

GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL
AND DIAMOND DRILLING REPORT

on the

FILMED

UNUK, COUL, ICEY, BOU, KNIP AND IRV CLAIM GROUPS

UNUK RIVER AREA

SKEENA MINING DIVISION
NTS 104 B/9 AND 104 B/10

Held under option by:

GRANGES INC.
2300-885 WEST GEORGIA STREET
VANCOUVER, B.C.
V6C 3E8

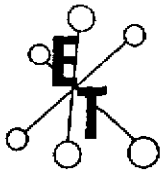
GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,675

February 7, 1990

LOG NO. 0215	(1)
ACTION	
FILE NO:	

B.E. GABOURY
(E.J. SEAGEL)



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 3, 1989

CERTIFICATE OF ANALYSIS ETK #89-9067

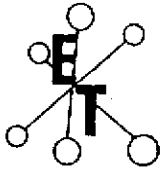
Granges Exploration Ltd.
2300, 885 W. Georgia St.
VANCOUVER, B.C.
V6C 3E6

Attention: George Zbitnoff

SAMPLE IDENTIFICATION: 181 STREAM SEDIMENT samples received
July 12, 1989

PROJECT NO: P134

ETK#	Description	Au (ppb)
9067- 1	S 1 A	<5
9067- 2	S 1 1	<5
9067- 3	S 1 2	<5
9067- 4	S 1 3	<5
9067- 5	S 1 4	<5
9067- 6	S 1 5	<5
9067- 7	S 1 6	<5
9067- 8	S 1 7	<5
9067- 9	S 1 8	<5
9067- 10	S 1 9	<5
9067- 11	S 3 1	<5
9067- 12	S 3 2	10
9067- 13	S 3 3	<5
9067- 14	S 3 4	<5
9067- 15	S 3 5	<5
9067- 16	S 3 6	<5
9067- 17	S 3 7	<5
9067- 18	S 12 1	<5
9067- 19	S 12 2	<5
9067- 20	S 12 3	<5
9067- 21 ✓	S 12 4	25
9067- 22	S 12 5	<5
9067- 23	S 12 6	<5
9067- 24	S 12 7	<5
9067- 25	S 12 8	<5
9067- 26	S 12 9	<5
9067- 27	S 16 1	<5
9067- 28	S 16 2	<5
9067- 29	S 16 3	<5
9067- 30	S 16 4	<5



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

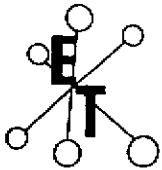
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Granges Exploration Ltd.

AUGUST 3, 1989

ETK#	Description	Au (ppb)
9067- 31	S 16 5	<5
9067- 32	S 16 1	<5
9067- 33	S 6 2	<5
9067- 34	S 4 1	<5
9067- 35	S 4 2	<5
9067- 36	S 4 3	<5
9067- 37	S 4 4	<5
9067- 38	S 4 5	<5
9067- 39	S 11 1	<5
9067- 40	S 13 1	<5
9067- 41	S 13 2	<5
9067- 42	S 13 3	<5
9067- 43	S 13 4	<5
9067- 44	S 13 5	<5
9067- 45	S 13 6	<5
9067- 46	S 13 7	<5
9067- 47	S 13 8	<5
9067- 48	S 13 9	<5
9067- 49	S 13 10	<5
9067- 50	✓ S 13 11	50
9067- 51	✓ S 13 12	40
9067- 52	S 13 13	<5
9067- 53	S 13 14	<5
9067- 54	S 15 1	<5
9067- 55	S 15 2	<5
9067- 56	S 15 3	<5
9067- 57	S 15 4	<5
9067- 58	S 15 5	<5
9067- 59	S 15 6	<5
9067- 60	S 15 7	<5
9067- 61	S 15 8	<5
9067- 62	S 15 9	<5
9067- 63	S 15 10	<5
9067- 64	S 15 11	<5
9067- 65	S 15 12	<5
9067- 66	S 15 13	<5
9067- 67	S 15 14	<5
9067- 68	S 15 15	<5
9067- 69	S 15 16	<5
9067- 70	S 15 17	<5
9067- 71	S 15 18	<5
9067- 72	S 15 19	<5
9067- 73	S 15 20	<5
9067- 74	S 15 21	<5
9067- 75	S 15 22	<5

UNUK
UNUK



ECO-TECH LABORATORIES LTD.

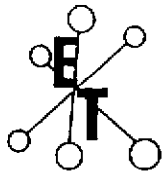
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Granges Exploration Ltd.

AUGUST 3, 1989

ETK#	Description	Au (ppb)
9067- 76	SS 3 1	<5
9067- 77	SS 3 2	<5
9067- 78	SS 2 1	<5
9067- 79	SS 2 2	<5
9067- 80	SS 2 3	<5
9067- 81	SS 2 4	<5
9067- 82	SS 2 5	<5
9067- 83	SS 2 6	<5
9067- 84	SS 2 7	<5
9067- 85	SS 2 8	<5
9067- 86	SS 2 9	<5
9067- 87	SS 2 10	<5
9067- 88	SS 2 11	<5
9067- 89	SS 1 1	<5
9067- 90	SS 1 2	<5
9067- 91	SS 6 1	<5
9067- 92	SS 6 2	<5
9067- 93	SS 6 3	<5
9067- 94	SS 6 4	<5
9067- 95	SS 6 5	<5
9067- 96	SS 6 6	<5
9067- 97	SS 6 7	<5
9067- 98	SS 6 8	<5
9067- 99	SS 6 9	<5
9067- 100	SS 6 10	<5
9067- 101	SS 6 11	<5
9067- 102	SS 6 12	<5
9067- 103	SS 6 13	<5
9067- 104	SS 5 1	<5
9067- 105	SS 5 2	<5
9067- 106	SS 5 3	<5
9067- 107	SS 5 4	<5
9067- 108	SS 5 5	<5
9067- 109	SS 5 6	<5
9067- 110	SS 5 7	<5
9067- 111	SS 5 8	<5
9067- 112	SS 5 9	<5
9067- 113	SS 5 10	<5
9067- 114	SS 4 1	<5
9067- 115	SS 7 1	<5
9067- 116	SS 7 2	<5
9067- 117	SS 7 3	<5
9067- 118	SS 7 5	<5
9067- 119	SS 7 6	<5
9067- 120	SS 7 7	<5



ECO-TECH LABORATORIES LTD.

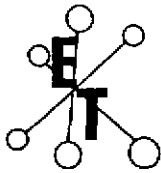
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Granges Exploration Ltd.

AUGUST 3, 1989

ETK#	Description	Au (ppb)
9067- 121	SS 7 8	<5
9067- 122	SS 7 9	<5
9067- 123	SS 7 10	<5
9067- 124	SS 7 11	<5
9067- 125	S 10 1	<5
9067- 126	S 10 2	<5
9067- 127	S 10 3	<5
9067- 128	S 10 4	<5
9067- 129	S 10 5	<5
9067- 130	S 10 6	<5
9067- 131	S 10 7	<5
9067- 132	S 10 8	<5
9067- 133	S 10 10	<5
9067- 134	S 8 1	UNUK 12 60
9067- 135	S 8 2	<5
9067- 136	S 8 3	<5
9067- 137	S 8 4	<5
9067- 138	S 8 5	<5
9067- 139	S 8 6	<5
9067- 140	S 8 7	<5
9067- 141	S 8 8	<5
9067- 142	S 8 9	<5
9067- 143	S 8 10	UNUK 12 40
9067- 144	S 8 12	<5
9067- 145	S 8 13	<5
9067- 146	S 8 14	<5
9067- 147	S 9 1	<5
9067- 148	S 9 2	<5
9067- 149	S 9 3	<5
9067- 150	S 9 4	<5
9067- 151	S 9 5	<5
9067- 152	S 9 6	<5
9067- 153	S 9 7	<5
9067- 154	S 9 8	15
9067- 155	S 9 9	<5
9067- 156	S 9 10	<5
9067- 157	S 9 11	<5
9067- 158	S 10 1	<5
9067- 159	S 10 2	<5
9067- 160	S 10 3	<5
9067- 161	S 10 4	<5
9067- 162	S 10 5	<5
9067- 163	S 10 6	<5
9067- 164	S 10 7	<5
9067- 165	S 10 9	<5



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Granges Exploration Ltd.


AUGUST 3, 1989

ETK#	Description	Au (ppb)
9067- 166	S 10 10	<5
9067- 167	S 11 1	<5
9067- 168	S 11 2	<5
9067- 169	S 11 3	<5
9067- 170	S 11 4	<5
9067- 171	S 11 5	10
9067- 172	S 11 6	<5
9067- 173	S 11 7	<5
9067- 174	S 11 8	<5
9067- 175	S 11 9	<5
9067- 176	S 11 10	25
9067- 177	S 11 11	25
9067- 178	S 11 12	<5
9067- 179	S 11 13	<5
9067- 180	S 11 14	<5
9067- 181	S 11 15	<5

COUL 1

COUL 1

NOTE: < = LESS THAN


ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. Certified Assayer

SC89/GRANGES/S

Eco-Tech Laboratories Ltd.
 10041 E. Trans Canada Hwy.
 Kootenai, B.C.
 V2C 2J3
 August 14, 1989

GRANGES EXPLORATION LTD.
 2300, 885 W. Georgia St.
 Vancouver, B.C.
 V6C 3E6
 ATTN: George Zbitnoff

CERTIFICATE OF ANALYSIS ETX 89-9067A
 181 Stream Sediment Samples, received July 12/89
 Project #P134

All values in PPM unless otherwise reported

ETK	DESCRIPTION	Ag	AlI	As	B	Ba	Bi	CaI	Cd	Co	Cr	Cu	FeI	KI	La	MgI	Mn	Mo	NaI	Ni	P	Pb	Sb	Sn	Sr	TiI	U	V	W	Y	Zn
9067.1	S 1 A-1.2	2.10	55	8	85	< 5	0.53	2	35	36	160	5.57	0.05	27	1.52	1818	< 1	0.03	84	1433	49	42	< 20	35	0.10	< 10	76	< 10	11	212	
9067.2	S 1 1-0.7	1.91	47	11	93	< 5	0.62	2	25	36	116	4.97	0.04	21	1.51	1202	< 1	0.02	62	1365	40	36	< 20	36	0.11	< 10	88	< 10	9	187	
9067.3	S 1 2-0.9	1.75	47	10	103	< 5	0.60	2	23	30	106	4.51	0.04	21	1.38	1122	2	0.02	59	1427	39	40	< 20	37	0.09	< 10	75	< 10	8	186	
9067.4	S 1 3-1.2	2.06	48	10	118	< 5	0.59	3	41	36	220	6.13	0.05	27	1.54	1839	< 1	0.01	120	1348	45	38	< 20	40	0.09	< 10	85	< 10	12	366	
9067.5	S 1 4-0.6	1.68	53	9	97	< 5	0.92	2	30	27	142	4.94	0.04	21	1.31	1133	< 1	0.02	65	1216	39	33	< 20	38	0.09	< 10	67	< 10	8	172	
9067.6	S 1 5-1.8	1.28	61	9	120	< 5	1.17	5	29	21	162	5.25	0.04	24	1.01	1022	7	0.01	80	1309	35	35	< 20	51	0.06	< 10	64	< 10	7	307	
9067.7	S 1 6-0.4	1.67	42	10	92	< 5	0.67	1	24	26	95	4.18	0.05	19	1.29	1042	< 1	0.05	57	1192	39	34	< 20	41	0.13	< 10	77	< 10	9	167	
9067.8	S 1 7-0.4	1.95	44	9	92	7	1.05	2	30	26	108	4.85	0.08	23	1.51	1159	< 1	0.09	69	1353	44	38	< 20	73	0.18	< 10	84	< 10	12	199	
9067.9	S 1 8-1.2	2.06	55	9	123	< 5	0.73	3	38	32	169	5.82	0.05	28	1.41	1814	2	0.04	99	1634	48	39	< 20	49	0.11	< 10	85	< 10	12	271	
9067.10	S 1 9-1.0	3.62	87	15	161	< 5	1.07	4	56	41	309	7.29	0.08	33	1.51	2542	< 1	0.02	122	1234	78	47	< 20	140	0.11	< 10	166	< 10	15	335	
9067.11	S 3 1-1.2	0.55	18	16	39	18	0.10	< 1	10	11	14	2.41	0.03	< 10	0.10	195	< 1	0.01	8	681	18	7	< 20	28	0.26	< 10	70	< 10	7	58	
9067.12	S 3 2-1.2	2.07	35	12	103	29	1.41	< 1	32	11	16	4.39	0.18	21	1.51	573	< 1	0.27	16	830	44	31	< 20	128	0.52	< 10	88	< 10	22	63	
9067.13	S 3 3-1.2	1.89	39	15	133	28	2.30	2	28	17	16	3.94	0.15	19	1.26	754	< 1	0.21	26	818	41	32	< 20	154	0.44	< 10	76	< 10	18	137	
9067.14	S 3 4-1.6	1.51	54	7	148	8	0.29	< 1	9	15	19	3.94	0.03	26	0.15	113	2	0.02	8	587	39	17	< 20	32	0.10	< 10	54	< 10	4	47	
9067.15	S 3 5-0.3	1.02	27	7	92	8	0.44	< 1	10	9	9	2.25	0.07	11	0.43	204	2	0.07	9	592	22	15	< 20	43	0.10	< 10	54	< 10	3	49	
9067.16	S 3 6-0.3	0.38	11	10	19	21	0.16	< 1	10	5	7	1.16	0.03	< 10	0.13	73	< 1	0.02	3	506	18	8	< 20	26	0.30	< 10	51	< 10	9	29	
9067.17	S 3 7-1.2	0.65	18	7	44	29	0.18	< 1	17	12	10	2.56	0.03	11	0.20	116	< 1	0.03	8	458	28	11	< 20	17	0.54	< 10	132	< 10	15	23	
9067.18	S 12 1-1.2	2.77	74	9	89	40	1.03	< 1	43	18	55	7.61	0.14	41	2.09	1478	< 1	0.20	43	1334	62	48	< 20	90	0.33	< 10	93	< 10	25	166	
9067.19	S 12 2-0.3	2.72	94	10	157	11	0.28	1	48	13	88	7.90	0.08	36	1.32	3909	2	0.01	32	1558	69	46	< 20	19	0.08	< 10	80	< 10	12	190	
9067.20	S 12 3-1.2	2.30	33	9	71	29	1.85	< 1	41	12	16	5.57	0.29	25	2.36	852	< 1	0.43	19	1054	52	41	< 20	152	0.57	< 10	109	< 10	23	68	

GRANGES EXPLORATION LTD.
 ETK 89-9067A
 Page 2
 August 14, 1989

ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KI	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
9067.21	S 12 4-5 < 2	1.90	39	11	79	16	0.73	< 1	27	6	40	6.34	0.06	27	1.47	1173	< 1	0.05	11	2117	48	36	< 20	42	0.19	< 10	76	< 10	13	86	
9067.22	S 12 5-6 < 2	1.55	33	11	102	12	0.80	< 1	15	4	17	4.22	0.04	21	1.16	803	< 1	0.01	3	2294	38	32	< 20	33	0.13	< 10	70	< 10	16	58	
9067.23	S 12 6-7 < 2	1.96	54	12	86	10	0.67	< 1	25	19	64	4.59	0.08	25	1.21	1155	< 1	0.04	17	1736	51	35	< 20	45	0.12	< 10	96	< 10	12	80	
9067.24	S 12 7-8 < 2	1.72	46	12	109	12	0.62	< 1	25	21	72	4.48	0.08	26	1.13	1174	< 1	0.02	23	1636	46	29	< 20	37	0.07	< 10	91	< 10	10	94	
9067.25	S 12 8-9 < 2	1.74	63	10	69	8	0.70	< 1	28	14	70	5.29	0.06	24	1.06	1698	< 1	0.05	21	1583	46	28	< 20	63	0.11	< 10	57	< 10	11	85	
9067.26	S 12 9-10 < 2	1.83	43	10	80	8	0.83	< 1	23	15	51	4.50	0.08	21	1.11	1227	< 1	0.04	15	1478	48	25	< 20	83	0.11	< 10	67	< 10	9	91	
9067.27	S 16 1-2 < 2	1.80	43	11	62	< 5	1.17	< 1	24	8	83	4.59	0.29	20	1.60	939	< 1	0.05	8	2411	46	31	< 20	86	0.16	< 10	161	< 10	8	66	
9067.28	S 16 2-3 < 2	2.36	60	12	306	12	1.59	< 1	28	12	106	5.47	0.73	22	1.91	999	< 1	0.05	9	2643	55	39	< 20	137	0.13	< 10	228	< 10	5	79	
9067.29	S 16 3-4 < 2	1.99	43	12	198	8	1.25	< 1	23	12	73	4.67	0.44	20	1.66	894	< 1	0.06	9	2641	48	36	< 20	113	0.15	< 10	172	< 10	7	61	
9067.30	S 16 4-5 < 2	2.16	58	12	146	8	1.01	< 1	26	29	86	5.32	0.21	22	2.05	1050	< 1	0.04	17	2372	57	36	< 20	89	0.12	< 10	192	< 10	7	85	
9067.31	S 16 5-6 < 2	2.56	69	9	83	8	0.38	< 1	20	29	62	4.68	0.07	20	1.16	785	< 1	0.02	18	1307	59	32	< 20	27	0.12	< 10	141	< 10	6	73	
9067.32	S 4 1-2 < 0.6	2.57	145	9	153	< 5	1.45	5	27	20	63	4.80	0.04	28	0.51	1736	< 1	0.01	19	1571	58	27	< 20	81	0.03	< 10	53	< 10	16	192	
9067.33	S 6 2-3 < 0.8	3.32	175	8	113	< 5	0.76	4	31	30	60	6.32	0.03	32	0.67	2261	< 1	0.02	22	1385	71	39	< 20	44	0.06	< 10	75	< 10	16	161	
9067.34	S 4 1-2 < 1.4	0.95	42	5	25	< 5	0.05	< 1	4	6	7	2.70	0.04	23	0.08	86	3	< 0.1	3	423	31	10	< 20	10	0.04	< 10	49	< 10	< 1	28	
9067.35	S 4 2-3 < 2	0.81	23	6	27	15	0.15	< 1	10	12	9	2.36	0.03	15	0.18	145	< 1	0.02	6	474	32	11	< 20	14	0.27	< 10	105	< 10	7	44	
9067.36	S 4 3-4 < 2	1.83	36	9	63	30	0.81	< 1	26	11	10	4.52	0.13	16	0.92	452	< 1	0.17	10	644	42	28	< 20	72	0.58	< 10	121	< 10	16	48	
9067.37	S 4 4-5 < 2	1.62	28	13	65	21	0.81	< 1	19	6	10	3.06	0.10	12	0.78	365	< 1	0.13	10	1023	33	25	< 20	68	0.32	< 10	57	< 10	11	50	
9067.38	S 4 5-6 < 2	0.89	7	26	27	19	0.61	< 1	15	6	9	2.53	0.09	< 10	0.72	267	< 1	0.15	9	1232	42	24	< 20	64	0.34	< 10	48	< 10	13	64	
9067.39	S 11 1-2 < 0.6	0.53	37	10	296	< 5	0.55	3	21	2	39	3.57	0.08	37	0.18	2709	8	0.02	32	1043	43	14	< 20	36	0.03	< 10	11	< 10	19	162	
9067.40	S 13 1-2 < 2	1.18	43	10	112	< 5	< 0.1	< 1	16	15	48	3.94	0.14	22	0.78	854	< 1	0.01	12	1557	36	21	< 20	34	0.08	< 10	80	< 10	8	86	

GRANGES EXPLORATION LTD.
 ETK 89-9067A
 Page 3
 August 14, 1989

ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaI	Cd	Co	Cr	Cu	FeZ	KI	La	MgZ	Mn	Mo	NaI	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
9067.41	S 13 2-1 < 2	2.17	59	8	77	8	0.27	< 1	20	30	48	4.52	0.08	24	0.83	1055	< 1	0.03	34	1111	55	21	< 20	19	0.08	< 10	69	< 10	8	103	
9067.42	S 13 3-1 < 2	2.30	64	6	68	5	0.20	1	19	32	41	4.19	0.06	19	0.75	929	< 1	0.03	29	1234	56	25	< 20	16	0.05	< 10	74	< 10	4	94	
9067.43	S 13 4-1 < 2	2.28	77	5	71	< 5	0.08	1	15	33	41	5.70	0.04	19	0.63	902	< 1	< 0.1	31	962	57	25	< 20	6	0.02	< 10	69	< 10	< 1	116	
9067.44	S 13 5-1 < 2	2.19	40	7	95	31	1.35	< 1	33	11	14	4.44	0.23	29	1.46	593	< 1	0.31	30	781	55	32	< 20	117	0.52	< 10	101	< 10	24	65	
9067.45	S 13 6-1 < 2	2.31	59	8	101	11	0.32	< 1	21	25	46	4.64	0.11	29	0.83	1195	< 1	0.03	25	1344	60	25	< 20	24	0.15	< 10	82	< 10	15	106	
9067.46	S 13 7-1 < 2	2.31	58	6	89	7	0.20	< 1	18	28	35	4.82	0.06	21	0.66	880	< 1	0.03	23	858	56	25	< 20	16	0.09	< 10	83	< 10	5	92	
9067.47	S 13 8-1 < 2	2.49	23	6	112	14	0.21	1	22	17	30	10.94	0.10	49	0.52	3132	1	0.03	14	1499	42	28	< 20	19	0.11	< 10	54	< 10	23	361	
9067.48	S 13 9-1 < 2	2.84	31	7	57	< 5	0.11	< 1	17	28	43	7.21	0.04	20	0.69	879	< 1	< 0.1	30	887	26	26	< 20	8	0.06	< 10	66	< 10	6	92	
9067.49	S 13 10-1 < 2	2.53	48	7	92	11	0.10	1	15	20	27	10.47	0.09	30	0.47	1385	< 1	0.02	16	1442	24	32	< 20	9	0.10	< 10	56	< 10	8	136	
9067.50	S 13 11-1 < 2	1.37	30	10	109	< 5	0.35	1	15	15	40	7.22	0.09	23	0.65	1202	< 1	0.01	15	1208	12	29	< 20	21	0.06	< 10	67	< 10	9	107	
9067.51	S 13 12-1 < 2	2.38	22	4	67	7	0.06	< 1	11	20	26	7.05	0.04	14	0.30	684	< 1	< 0.1	14	774	14	19	< 20	7	0.05	< 10	91	< 10	< 1	78	
9067.52	S 13 13-1 < 2	2.62	30	7	84	14	0.15	< 1	13	26	33	6.74	0.05	14	0.51	609	< 1	0.02	18	818	22	16	< 20	15	0.07	< 10	81	< 10	2	74	
9067.53	S 13 14-1 < 2	2.75	18	8	72	9	0.16	< 1	12	15	19	8.07	0.05	24	0.34	728	< 1	0.03	11	719	25	17	< 20	13	0.10	10	46	< 10	6	77	
9067.54	S 15 1-1 < 2	2.59	26	10	69	< 5	0.10	< 1	19	31	53	7.63	0.07	21	0.85	1133	< 1	0.01	33	1042	29	29	< 20	9	0.07	< 10	72	< 10	9	119	
9067.55	S 15 2-1 < 2	2.93	32	9	82	8	0.26	< 1	24	32	46	8.28	0.07	18	0.89	1307	< 1	0.04	38	899	27	26	< 20	23	0.07	13	77	< 10	4	114	
9067.56	S 15 3-1 < 2	2.96	25	7	102	< 5	0.25	< 1	21	32	42	7.91	0.08	18	0.83	1202	< 1	0.04	32	1263	23	31	< 20	23	0.09	12	87	< 10	6	113	
9067.57	S 15 4-1 < 2	2.78	21	8	89	9	0.17	< 1	19	32	38	7.74	0.05	18	0.78	1163	< 1	0.02	34	1266	25	21	< 20	12	0.06	11	81	< 10	4	96	
9067.58	S 15 5-1 < 2	2.48	34	10	118	9	0.30	1	23	32	50	8.09	0.06	20	0.89	1213	< 1	0.03	43	1227	28	21	< 20	23	0.08	< 10	74	< 10	10	112	
9067.59	S 15 6-1 < 2	2.96	21	6	86	8	0.16	< 1	17	25	30	7.74	0.06	25	0.63	908	< 1	0.03	23	823	32	26	< 20	15	0.13	< 10	67	< 10	11	106	
9067.60	S 15 7-1 < 2	2.41	27	10	65	< 5	0.10	< 1	17	28	48	7.97	0.06	29	0.78	1290	< 1	0.01	30	1051	24	21	< 20	9	0.05	10	69	< 10	12	110	

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ETK	DESCRIPTION	Ag	Al2	As	B	Ba	Bi	CaI	Cd	Co	Cr	Cu	FeI	KI	La	MgI	Mn	Mo	NaI	Ni	P	Pb	Sb	Sn	Sr	TiI	U	V	W	Y	Zn
9067.81	SS 2 4-5 <.2	2.19	15	9	97	8	0.57	3	21	49	48	7.25	0.03	12	1.16	997	< 1	0.02	106	722	16	34	< 20	56	0.02	< 10	39	< 10	3	411	
9067.82	SS 2 5-6 <.2	2.20	13	8	99	8	0.54	2	22	49	52	7.32	0.03	12	1.21	1000	< 1	0.02	108	698	18	27	< 20	55	0.02	12	39	< 10	2	408	
9067.83	SS 2 6-7 <.2	2.20	17	7	104	< 5	0.65	3	24	48	52	7.34	0.03	13	1.18	1163	< 1	0.02	110	745	17	31	< 20	64	0.02	< 10	38	< 10	3	421	
9067.84	SS 2 7-8 <.2	2.24	11	6	95	< 5	0.52	2	24	51	55	7.65	0.03	13	1.25	886	< 1	0.02	103	713	17	29	< 20	51	0.02	< 10	39	< 10	2	335	
9067.85	SS 2 8-9 <.2	2.16	5	7	93	< 5	0.53	2	24	50	52	7.40	0.03	12	1.23	886	< 1	0.02	102	696	16	30	< 20	52	0.02	< 10	39	< 10	2	327	
9067.86	SS 2 9-10 <.2	2.14	14	7	98	< 5	0.66	3	24	49	53	7.33	0.03	13	1.17	1060	< 1	0.02	113	749	18	31	< 20	65	0.02	< 10	39	< 10	3	422	
9067.87	SS 2 10-11 <.2	2.03	20	11	114	< 5	0.75	3	24	43	50	7.19	0.03	13	1.05	1223	< 1	0.02	98	743	16	28	< 20	70	0.03	< 10	40	< 10	4	346	
9067.88	SS 2 11-12 <.2	2.23	18	8	113	5	0.80	2	23	43	46	7.25	0.04	13	1.13	1078	< 1	0.04	83	706	15	33	< 20	72	0.06	< 10	47	< 10	3	288	
9067.89	SS 1 1-2 <.5	2.08	16	10	105	< 5	0.78	2	25	30	124	8.29	0.03	14	1.30	1183	3	0.01	71	1351	8	40	< 20	37	0.05	< 10	66	< 10	6	222	
9067.90	SS 1 2-3 <.6	2.15	11	11	81	< 5	0.70	1	25	31	128	8.16	0.03	15	1.35	1316	< 1	0.02	68	1195	10	31	< 20	38	0.06	< 10	67	< 10	7	187	
9067.91	SS 6 1-2 <.2	2.01	29	13	91	< 5	0.51	2	23	17	88	9.50	0.02	14	0.86	1350	< 1	<.01	31	1537	13	33	< 20	36	0.01	18	34	< 10	2	200	
9067.92	SS 6 2-3 <.2	1.64	19	13	79	< 5	0.75	1	29	12	147	10.43	0.03	15	0.67	1189	< 1	0.01	36	1662	7	34	< 20	51	0.02	< 10	27	< 10	3	169	
9067.93	SS 6 3-4 <.2	2.23	47	13	112	< 5	0.56	2	24	20	67	9.38	0.03	15	0.98	1851	< 1	0.01	28	1363	15	34	< 20	40	0.03	< 10	43	< 10	4	198	
9067.94	SS 6 4-5 <.2	2.27	49	14	80	< 5	0.46	2	20	21	67	9.04	0.03	13	1.17	1143	< 1	<.01	29	1394	18	20	< 20	31	0.02	< 10	41	< 10	1	215	
9067.95	SS 6 5-6 <.2	2.20	40	13	106	< 5	0.63	2	20	21	56	8.32	0.03	14	1.03	1305	< 1	0.02	26	1233	19	29	< 20	43	0.03	10	42	< 10	4	193	
9067.96	SS 6 6-7 <.2	2.30	52	14	110	9	0.82	3	23	20	67	8.71	0.03	15	0.99	1729	< 1	0.02	27	1341	21	32	< 20	52	0.04	< 10	43	< 10	5	260	
9067.97	SS 6 7-8 <.2	2.41	52	10	118	< 5	0.55	4	23	19	89	9.47	0.02	16	1.24	1596	< 1	0.01	31	1552	23	34	< 20	34	0.02	< 10	40	< 10	3	319	
9067.98	SS 6 8-9 <.2	2.18	35	11	100	< 5	0.67	1	22	24	65	8.57	0.03	14	0.98	1349	< 1	0.01	31	1177	18	30	< 20	42	0.04	< 10	42	< 10	3	227	
9067.99	SS 6 9-10 <.3	2.33	71	7	121	< 5	0.70	2	25	23	61	8.99	0.02	16	0.85	2335	< 1	<.01	26	1272	19	29	< 20	46	0.02	< 10	46	< 10	7	170	
9067.100	SS 6 10-11 <.2	2.27	59	6	119	< 5	0.81	2	25	23	70	9.08	0.04	15	0.92	1615	< 1	0.02	26	1232	20	26	< 20	57	0.04	< 10	47	< 10	6	166	

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ETK	DESCRIPTION	As	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	Ti	U	V	W	Y	Zn
9067.101	SS 6 11	0.3	2.39	74	13	174	< 5	1.05	3	25	19	54	8.78	0.03	19	0.76	2528	< 1	0.02	20	1298	17	26	< 20	61	0.03	< 10	46	< 10	8	200	
9067.102	SS 6 12	0.4	2.48	82	15	187	< 5	1.13	3	30	18	51	8.50	0.03	19	0.72	3169	< 1	0.02	20	1381	19	30	< 20	69	0.04	< 10	48	< 10	9	215	
9067.103	SS 6 13	0.4	2.71	104	9	122	< 5	1.29	3	24	21	48	8.41	0.03	20	0.73	2278	< 1	0.03	19	1287	21	31	< 20	54	0.06	< 10	56	< 10	12	182	
9067.104	SS 5 1 4	0.7	1.55	42	7	81	< 5	0.32	18	25	29	89	9.76	0.04	16	0.70	1085	6	< 0.1	95	1042	6	34	< 20	34	< 0.1	< 10	39	15	5	971	
9067.105	SS 5 2 4	0.8	1.48	36	7	67	< 5	0.30	18	23	29	88	9.31	0.04	15	0.70	903	5	< 0.1	89	989	6	31	< 20	33	< 0.1	< 10	37	15	3	963	
9067.106	SS 5 3 4	0.8	1.44	37	7	70	< 5	0.29	18	23	28	83	9.36	0.04	15	0.68	911	5	< 0.1	90	973	8	31	< 20	33	< 0.1	12	37	< 10	3	977	
9067.107	SS 5 4 4	5.1	1.35	38	7	63	< 5	0.28	8	20	27	79	9.04	0.04	14	0.66	750	5	< 0.1	81	935	5	27	< 20	30	< 0.1	< 10	35	< 10	3	903	
9067.108	SS 5 5 4	0.8	1.43	37	7	66	< 5	0.27	4	22	28	82	9.51	0.04	15	0.66	840	6	< 0.1	87	1037	5	27	< 20	31	< 0.1	< 10	38	13	3	911	
9067.109	SS 5 6 4	0.5	2.13	63	7	127	< 5	0.62	5	24	23	62	9.14	0.02	16	0.79	2106	1	< 0.1	34	1246	17	35	< 20	42	0.02	< 10	45	< 10	6	253	
9067.110	SS 5 7 4	0.8	1.36	35	7	57	< 5	0.32	4	21	27	78	9.16	0.04	14	0.67	836	5	< 0.1	83	939	4	33	< 20	33	< 0.1	< 10	35	< 10	3	859	
9067.111	SS 5 8 4	0.6	1.38	35	8	45	< 5	0.33	4	22	28	82	9.54	0.04	14	0.70	783	5	< 0.1	88	981	5	37	< 20	34	< 0.1	< 10	35	16	2	969	
9067.112	SS 5 9 4	0.6	1.42	32	7	61	< 5	0.34	4	25	29	89	9.23	0.04	14	0.68	886	6	< 0.1	96	972	6	26	< 20	36	< 0.1	< 10	37	< 10	3	965	
9067.113	SS 5 10 4	< 2	1.64	28	9	64	< 5	2.48	< 1	20	13	84	7.36	0.12	16	1.45	901	< 1	0.02	11	2868	12	41	< 20	137	0.07	< 10	123	< 10	8	59	
9067.114	SS 4 1 4	7.6	0.55	77	14	119	6	0.54	3	20	12	62	8.34	0.05	13	0.28	1797	2	0.1	63	893	47	51	< 20	26	0.01	< 10	21	< 10	3	207	
9067.115	SS 7 1 4	< 2	1.98	32	8	135	< 5	0.68	2	20	39	42	7.16	0.06	18	0.97	1233	< 1	0.03	51	992	24	32	< 20	49	0.07	< 10	52	< 10	9	176	
9067.116	SS 7 2 4	< 2	2.09	31	11	141	7	0.53	1	21	40	42	7.20	0.06	20	0.95	1245	< 1	0.02	53	906	23	26	< 20	41	0.07	< 10	44	< 10	11	182	
9067.117	SS 7 3 4	< 2	2.14	35	21	143	< 5	0.43	2	22	37	47	8.09	0.05	23	0.91	1565	< 1	0.02	53	945	24	28	< 20	38	0.05	< 10	42	< 10	11	211	
9067.118	SS 7 5 4	< 2	1.44	37	8	141	< 5	0.76	2	19	24	49	6.41	0.05	16	0.63	1242	< 1	0.02	31	1034	21	20	< 20	50	0.04	< 10	44	< 10	8	154	
9067.119	SS 7 6 4	< 2	1.51	31	9	155	< 5	0.81	1	21	19	44	7.99	0.06	18	0.71	1196	< 1	0.02	28	1093	11	29	< 20	56	0.02	< 10	36	< 10	7	129	
9067.120	SS 7 7 4	< 2	1.71	25	8	161	< 5	0.66	< 1	21	24	43	8.49	0.06	19	0.81	1140	< 1	0.02	32	1129	15	30	< 20	49	0.02	< 10	40	< 10	7	128	

SS 7 7 4

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ETX	DESCRIPTION	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	Ti	U	V	W	Y	Zn
9067.121	SS 7 8-5 < 2	1.53	35	8	143	< 5	0.54	1	19	21	40	7.78	0.06	17	0.74	921	< 1	0.02	28	985	11	30	< 20	38	0.02	< 10	35	< 10	5	113	
9067.122	SS 7 9-2 < 2	1.72	33	7	154	< 5	0.58	1	20	26	39	7.88	0.05	18	0.79	1178	< 1	0.02	32	1008	13	29	< 20	47	0.02	< 10	39	< 10	7	112	
9067.123	SS 7 10-2 < 2	1.65	36	14	140	10	0.58	1	20	26	43	8.02	0.05	18	0.85	1029	< 1	0.02	33	1031	11	30	< 20	41	0.02	< 10	40	< 10	6	115	
9067.124	SS 7 11-5 < 2	1.65	25	8	134	6	0.53	< 1	19	26	40	7.64	0.06	17	0.84	917	< 1	0.02	33	1007	18	24	< 20	39	0.02	< 10	38	< 10	6	107	
9067.125	SS 10 1-4 < 2	2.46	19	10	88	8	0.87	< 1	23	9	26	8.25	0.11	23	1.08	1037	< 1	0.12	9	1072	25	25	< 20	63	0.21	< 10	64	< 10	22	97	
9067.126	SS 10 2-1 < 2	0.39	< 5	12	22	8	0.18	< 1	7	4	10	3.75	0.04	< 10	0.10	158	3	0.02	3	520	< 2	10	< 20	15	0.12	< 10	50	< 10	3	19	
9067.127	SS 10 3-1 < 2	1.89	24	13	96	14	0.60	< 1	18	8	18	6.49	0.06	17	0.73	1110	< 1	0.07	7	1108	16	24	< 20	53	0.17	< 10	61	< 10	13	49	
9067.128	SS 10 4-1 < 2	0.35	< 5	35	76	< 5	0.28	< 1	7	6	18	8.58	0.02	< 10	0.07	125	< 1	< 0.01	8	755	< 2	18	< 20	33	0.02	< 10	8	13	< 1	887	
9067.129	SS 10 5-1 < 2	1.85	16	12	80	13	0.80	< 1	17	7	19	7.79	0.04	17	1.12	868	< 1	0.02	5	2080	10	25	< 20	46	0.13	< 10	70	< 10	14	76	
9067.130	SS 10 6-1 < 2	1.38	6	9	45	11	0.60	< 1	11	6	9	5.04	0.04	12	0.74	328	< 1	0.06	5	1102	8	23	< 20	38	0.18	< 10	51	< 10	11	45	
9067.131	SS 10 7-1 < 2	0.73	7	31	68	10	0.33	< 1	8	3	7	2.45	0.05	< 10	0.18	69	< 1	0.07	5	1009	20	7	< 20	49	0.17	< 10	27	< 10	5	45	
9067.132	SS 10 8-1 < 2	1.10	10	15	42	38	0.12	1	17	12	13	9.67	0.09	13	0.09	223	< 1	0.01	4	669	7	23	< 20	15	0.67	< 10	117	< 10	14	74	
9067.133	SS 10 10-4, 8, 9	2.36	287	30	38	37	1.64	3	41	12	11	9.30	0.23	17	2.02	586	4	0.41	50	956	52	239	121	121	0.79	11	121	78	23	58	
9067.134	SS 8 1-4 < 2	1.61	31	11	74	< 5	1.59	< 1	20	13	73	7.45	0.12	16	1.32	836	< 1	0.02	9	2556	14	37	< 20	98	0.10	< 10	121	< 10	8	63	
9067.135	SS 8 2-4 < 2	1.54	27	12	65	5	1.91	< 1	17	12	67	6.67	0.11	15	1.33	765	< 1	0.02	9	2608	13	32	< 20	112	0.08	< 10	114	< 10	8	53	
9067.136	SS 8 3-1 < 2	1.52	25	11	57	< 5	2.18	< 1	17	12	75	6.62	0.11	15	1.34	793	< 1	0.02	8	2571	11	36	< 20	124	0.08	< 10	112	< 10	8	52	
9067.137	SS 8 4-1 < 2	1.54	22	11	66	5	1.50	< 1	17	12	66	6.73	0.12	15	1.31	743	< 1	0.02	8	2543	12	32	< 20	95	0.08	< 10	115	< 10	8	54	
9067.138	SS 8 5-1 < 2	1.59	30	13	75	< 5	1.43	< 1	17	15	70	6.03	0.12	17	1.27	768	< 1	0.02	12	2564	20	29	< 20	90	0.09	< 10	113	< 10	9	67	
9067.139	SS 8 6-1 < 2	1.51	33	13	65	< 5	2.05	1	18	13	75	5.88	0.12	17	1.30	782	< 1	0.02	10	2823	19	30	< 20	125	0.08	< 10	111	< 10	9	59	
9067.140	SS 8 7-1 < 2	1.64	30	13	67	< 5	2.62	< 1	19	12	83	6.22	0.12	17	1.44	837	< 1	0.02	9	2791	19	36	< 20	150	0.08	< 10	124	< 10	8	57	

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ETK	DESCRIPTION	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	Ti	U	V	W	Y	Zn
9067.141	SS 8 8-5 < 2	1.64	25	12	78	< 5	2.33	< 1	20	12	82	6.23	0.13	17	1.41	843	< 1	0.02	10	2769	20	32	< 20	135	0.09	< 10	125	< 10	8	60	
9067.142	SS 8 9-5 < 2	1.60	31	11	69	< 5	2.65	< 1	19	13	80	6.12	0.13	17	1.41	824	< 1	0.02	10	2877	20	39	< 20	153	0.08	< 10	122	< 10	9	54	
9067.143	SS 8 10-5 < 2	1.59	27	10	73	< 5	2.26	< 1	19	12	77	6.01	0.13	17	1.38	795	< 1	0.02	9	2692	21	29	< 20	135	0.08	< 10	122	< 10	8	58	
9067.144	SS 8 12-5 < 2	1.70	35	13	72	< 5	2.53	< 1	21	14	90	6.57	0.14	19	1.49	893	< 1	0.02	11	3229	22	45	< 20	150	0.09	< 10	131	< 10	10	60	
9067.145	SS 8 13-5 < 2	1.69	38	13	80	7	2.10	< 1	19	12	76	6.35	0.15	17	1.43	817	< 1	0.02	8	2745	24	36	< 20	125	0.09	< 10	131	< 10	8	65	
9067.146	SS 8 14-5 < 2	1.68	22	13	86	12	2.12	< 1	20	14	81	6.55	0.15	18	1.41	846	< 1	0.02	11	3054	23	37	< 20	131	0.10	< 10	132	< 10	9	62	
9067.147	SS 9 1-5 < 2	1.81	50	12	85	10	0.74	4	20	11	50	8.93	0.04	22	1.01	1114	5	0.01	30	1904	19	35	< 20	41	0.11	< 10	70	< 10	15	415	
9067.148	SS 9 2-5 < 2	1.80	44	14	76	8	0.75	3	19	10	47	8.79	0.04	21	1.03	929	5	0.01	25	1851	20	38	< 20	37	0.12	< 10	69	< 10	14	364	
9067.149	SS 9 3-5 < 2	1.74	30	12	76	16	0.78	2	18	9	41	8.64	0.04	20	1.03	864	2	0.01	23	1824	18	32	< 20	39	0.13	11	71	< 10	14	294	
9067.150	SS 9 4-5 < 2	1.79	39	16	88	19	0.69	4	19	10	45	8.41	0.04	20	1.03	983	4	0.01	25	1757	21	30	< 20	40	0.11	< 10	65	< 10	14	336	
9067.151	SS 9 5-5 < 2	1.63	22	13	72	19	0.86	2	18	7	34	9.15	0.04	21	1.00	736	< 1	0.01	14	2239	13	33	< 20	37	0.17	< 10	95	< 10	17	203	
9067.152	SS 9 6-5 < 2	1.78	28	15	77	20	0.74	2	17	10	35	8.25	0.04	19	1.06	810	1	0.01	19	1628	18	29	< 20	40	0.12	< 10	66	< 10	13	245	
9067.153	SS 9 7-5 < 2	1.95	31	16	97	12	0.86	3	20	10	41	9.03	0.04	22	1.14	905	< 1	0.02	19	2293	17	34	< 20	48	0.14	< 10	79	< 10	17	249	
9067.154	SS 9 8-5 < 2	1.86	37	15	84	20	0.74	3	21	10	45	11.25	0.04	22	1.07	895	1	0.02	20	1937	12	42	< 20	34	0.19	11	105	< 10	15	279	
9067.155	SS 9 9-5 < 2	1.87	31	12	88	14	0.79	4	19	10	44	8.85	0.04	21	1.07	1007	3	0.02	29	1945	20	33	< 20	43	0.11	< 10	67	< 10	15	409	
9067.156	SS 9 10-5 < 2	1.98	28	14	86	9	0.97	3	21	10	50	8.64	0.04	23	1.18	1134	4	0.02	44	1645	22	24	< 20	39	0.12	< 10	70	< 10	15	326	
9067.157	SS 9 11-5 < 2	1.86	34	14	79	14	0.88	4	20	10	47	9.30	0.04	20	1.13	961	3	0.02	28	1724	18	32	< 20	41	0.12	< 10	77	< 10	13	345	
9067.158	S 10 1-5 < 2	2.58	49	24	144	7	0.52	1	19	22	36	7.21	0.07	22	1.01	1393	< 1	0.02	23	1087	34	31	< 20	40	0.08	< 10	78	< 10	11	114	
9067.159	S 10 2-5 < 2	1.92	11	15	93	17	0.98	< 1	19	6	21	8.66	0.04	21	1.28	698	< 1	0.02	4	2461	14	35	< 20	40	0.19	< 10	105	< 10	19	75	
9067.160	S 10 3-5 < 2	2.20	36	15	98	13	0.57	< 1	20	10	29	8.79	0.05	26	1.07	1127	< 1	0.02	11	1312	27	30	< 20	31	0.11	< 10	55	< 10	15	132	

GRANGES EXPLORATION LTD.

ETK 89-9067A

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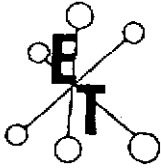
August 14, 1989

ETK	DESCRIPTION	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	Ti	U	V	W	Y	Zn
9067.161	S 10 4 < 0.5	2.33	42	24	333	7	1.27	1	25	25	20	9.51	0.05	22	0.80	7095	15	0.03	29	926	25	28	< 20	110	0.08	19	56	< 10	9	298	
9067.162	S 10 5 < 1.2	2.19	40	17	115	13	0.63	2	21	12	42	9.17	0.06	25	1.10	1369	< 1	0.02	18	1507	23	34	< 20	47	0.11	< 10	62	< 10	15	211	
9067.163	S 10 6 < 1.2	2.08	23	17	100	13	0.94	< 1	20	9	30	9.05	0.04	22	1.28	866	< 1	0.02	8	2319	19	35	< 20	51	0.17	< 10	102	< 10	17	83	
9067.164	S 10 7 < 1.2	1.94	24	14	97	9	0.97	< 1	19	9	27	8.01	0.04	22	1.19	722	< 1	0.02	6	2675	17	35	< 20	50	0.16	< 10	86	< 10	18	75	
9067.165	S 10 9 < 1.2	2.18	37	16	96	14	0.76	1	17	23	26	6.83	0.06	18	0.94	1069	< 1	0.03	22	750	25	23	< 20	51	0.10	< 10	66	< 10	11	155	
9067.166	S 10 10 < 1.2	2.77	85	19	169	11	1.67	2	18	24	28	9.80	0.04	27	0.49	1521	7	0.02	18	970	23	29	< 20	105	0.06	< 10	72	< 10	18	131	
9067.167	S 11 1 < 1.2	3.79	48	8	66	10	0.22	< 1	15	37	37	7.55	0.06	26	0.52	851	< 1	0.03	19	883	51	18	< 20	15	0.13	< 10	76	< 10	13	72	
9067.168	S 11 2 < 1.2	3.38	43	9	109	6	0.38	1	26	49	43	7.62	0.08	28	1.09	1999	< 1	0.03	54	1273	52	30	< 20	27	0.08	< 10	67	< 10	16	165	
9067.169	S 11 3 < 1.2	2.85	39	12	128	16	0.63	2	24	47	51	7.45	0.08	28	1.18	1403	< 1	0.05	51	1226	40	28	< 20	47	0.11	< 10	72	< 10	14	171	
9067.170	S 11 4 < 1.2	3.20	42	13	96	15	1.19	< 1	28	41	33	7.43	0.10	36	1.19	1209	< 1	0.12	40	1073	39	32	< 20	96	0.22	< 10	81	< 10	24	122	
9067.171	S 11 5 < 1.2	3.04	40	10	109	12	0.69	1	25	43	44	7.60	0.08	27	1.05	1492	< 1	0.06	41	1095	39	25	< 20	52	0.15	< 10	77	< 10	14	136	
9067.172	S 11 6 < 1.2	3.21	39	13	101	15	1.21	< 1	27	41	33	7.40	0.11	36	1.21	1222	< 1	0.12	40	1093	39	32	< 20	98	0.23	< 10	81	< 10	24	122	
9067.173	S 11 7 < 1.2	2.88	38	12	124	9	0.85	1	24	43	40	7.32	0.09	27	1.13	1317	< 1	0.07	42	1116	37	29	< 20	67	0.15	< 10	77	< 10	14	138	
9067.174	S 11 8 < 1.2	2.81	27	13	139	17	1.42	< 1	25	41	24	6.41	0.12	23	1.39	783	< 1	0.16	42	971	35	37	< 20	136	0.27	< 10	72	< 10	18	103	
9067.175	S 11 9 < 0.6	1.51	52	12	211	< 5	0.82	5	27	20	79	8.49	0.09	21	0.51	2042	2	0.03	52	1332	32	32	< 20	81	0.04	< 10	36	< 10	11	360	
9067.176	S 11 10 < 1.2	1.68	48	12	199	9	0.80	2	19	30	37	6.66	0.07	20	0.71	1319	1	0.03	42	1017	26	27	< 20	71	0.05	< 10	38	< 10	3	176	
9067.177	S 11 11 < 0.6	0.93	48	14	101	5	0.68	4	19	13	53	6.97	0.09	19	0.43	1227	3	0.02	36	1105	23	27	< 20	55	0.02	< 10	24	< 10	7	299	
9067.178	S 11 12 < 0.3	1.18	44	19	150	< 5	0.86	3	20	17	56	6.91	0.08	20	0.49	1501	3	0.02	40	1169	25	26	< 20	79	0.03	< 10	29	< 10	10	266	
9067.179	S 11 13 < 1.2	1.36	44	12	172	10	0.69	2	20	24	44	6.69	0.08	18	0.64	1179	1	0.03	41	1008	24	31	< 20	57	0.03	< 10	34	< 10	7	206	
9067.180	S 11 14 < 0.3	1.81	46	15	205	< 5	0.74	3	23	29	41	7.22	0.08	21	0.66	1608	1	0.03	44	1026	30	26	< 20	67	0.06	< 10	41	< 10	10	196	
9067.181	S 11 15 < 1.2	1.72	41	15	159	9	0.61	2	21	37	38	6.50	0.07	18	0.86	1163	< 1	0.03	51	937	26	30	< 20	52	0.04	< 10	39	< 10	6	152	

NOTE: > = Greater than
< = Less than

Am, Ag, Pb, Zn

Paul Howard
 ECO-TECH LABORATORIES LTD.
 DOUG HOWARD
 B.C. CERTIFIED ASSAYER



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

GRANGES EXPLORATIONS LTD.

JULY 19, 1989

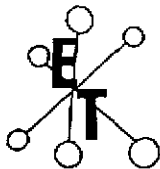
ET#	Description	AU (ppb)	AU (g/t)	AU (oz/t)
9070- 31	R - 9 - 4 <i>ca 46 3</i>	<5		
9070- 32	R - 9 - 5 <i>ca 46 3</i>	<5		
9070- 33	R - 9 - 6	<5		
9070- 34	R - 11 - 1	<5		
9070- 35	R - 11 - 2	<5		
9070- 36	R - 11 - 3	<5		
9070- 37	R - 12 - 1	<5		
9070- 38	R - 13 - 1	<5		
9070- 39	R - 13 - 2	<5		
9070- 40	R - 13 - 3	<5		
9070- 41	R - 13 - 4	<5		
9070- 42	R - 13 - 5	<5		
9070- 43	R - 13 - 6	<5		
9070- 44	R - 13 - 7	<5		
9070- 45	R - 14 - 1	<5		
9070- 46	R - 14 - 2	<5		
9070- 47	R - 14 - 3	25		
9070- 48	R - 14 - 4	75		
9070- 49	✓ R - 14 - 5	200		
9070- 50	R - 14 - 6	50		
9070- 51	R - 14 - 7	<5		
9070- 52	R - 14 - 8	<5		
9070- 53	R - 14 - 9	<5		
9070- 54	R - 14 - 10	50		
9070- 55	R - 16 - 1	<5		
9070- 56	R - 16 - 2	<5		
9070- 57	R - 16 - 3	<5		
9070- 58	R - 16 - 4	<5		
9070- 59	R - 16 - 5	<5		
9070- 60	R - 16 - 6	<5		
9070- 61	✓ R - 16 - 7	>1000	1.28	.037

NOTE: < = less than

Jutta Jealouse
ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. CERTIFIED ASSAYER

CC: GRANGES INC.
C/O JAYCOX INDUSTRIES
BOX 3633, SMITHERS, B.C.
VOJ 2N0
FAX: E-T, STEWART

SC89/GRANGES



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

JULY 21, 1989

CERTIFICATE OF ANALYSIS ETS 89-9070

GRANGES EXPLORATIONS LTD.
2300, 885 WEST GEORGIA ST.
VANCOUVER, B.C.
V6C 3E6

ATTENTION: GEORGE ZBITNOFF

SAMPLE IDENTIFICATION: 61 ROCK samples received JULY 12, 1989
PROJECT: P. 134 P.O. #G.V. 0549

ET#	Description	AU (ppb)	AU (g/t)	AU (oz/t)
9070- 1	R - 1 - 1	<5		
9070- 2	✓ R - 1 - 2	75		
9070- 3	R - 1 - 3	<5		
9070- 4	✓ R - 2 - 1	125		
9070- 5	R - 4 - 1	25		
9070- 6	R - 5 - 1	<5		
9070- 7	R - 5 - 2	<5		
9070- 8	R - 5 - 3	<5		
9070- 9	R - 5 - 4	<5		
9070- 10	R - 5 - 5	<5		
9070- 11	R - 6 - 1	<5		
9070- 12	R - 6 - 2	<5		
9070- 13	R - 6 - 3	<5		
9070- 14	R - 6 - 4	<5		
9070- 15	R - 7 - 1	<5		
9070- 16	R - 7 - 2	<5		
9070- 17	R - 7 - 3	<5		
9070- 18	R - 8 - 1	<5		
9070- 19	R - 8 - 2	<5		
9070- 20	✓ R - 8 - 3	> 1000	2.31	.067
9070- 21	R - 8 - 4	<5		
9070- 22	R - 8 - 5	<5		
9070- 23	R - 8 - 6	<5		
9070- 24	R - 8 - 7	<5		
9070- 25	R - 8 - 8	<5		
9070- 26	R - 9 - 9	<5		
9070- 27	R - 9 - 10	<5		
9070- 28	R - 9 - 1	<5		
9070- 29	R - 9 - 2	<5		
9070- 30	R - 9 - 3	<5		

CAUTION
MAKE
OUTLINE

Core 3

Core 1

Core 2

Jutta Jealouse
JUTTA JEALOUSE, CERTIFIED ASSAYER

ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
 KAMLODPS, B.C. V2C 2J3
 PHONE - 604-573-5700
 FAX - 604-573-4557

JUNLY 28, 1989

GRANGES INC. - ETS89-9070A

2300-885 W. GEORGIA STREET
 VANCOUVER B.C.
 V6C 3E8

ATTENTION: GEORGE ZBITNOFF

VALUES IN PPM UNLESS OTHERWISE REPORTED

PAGE 1

PROJECT: P.134 P.D.# G.V.0549
 61 ROCK SAMPLES RECEIVED JULY 12, 1989

ET#	DESCRIPTIONS	ppb Au	AG	AL(Z)	AS	B	BA	BI	CA(Z)	CD	CO	CR	CU	FE(Z)	K(Z)	LA	MG(Z)	MN	MO	NA(Z)	NI	P	PB	SB	SN	SR	TI(Z)	U	V	W	Y	ZN
9070 - 1	✓ R- 1- 1 <5	.6	1.37	10	2	15	<5	2.55	<1	20	69	284	3.43	.02	10	.83	382	9	.07	26	1290	10	5	<20	20	.10	30	97	<10	9	87	
9070 - 2	✓ R- 1- 2 75	.2	2.54	<5	<2	15	<5	2.13	<1	25	170	10	2.80	<.01	<10	1.70	427	3	.06	84	540	12	5	<20	23	.12	20	98	<10	7	45	
9070 - 3	✓ R- 1- 3 <5	.8	1.86	<5	<2	25	<5	4.16	<1	14	33	155	5.79	.09	<10	1.18	1013	5	.06	49	1490	10	5	<20	100	.02	30	72	<10	13	129	
9070 - 4	✓ R- 2- 1 125	2.0	.18	240	<2	10	<5	.10	<1	9	102	25	2.82	.09	<10	.01	22	11	.05	4	390	142	5	<20	8	<.01	20	12	<10	2	145	
9070 - 5	✓ R- 4- 1 25	.2	.19	<5	<2	25	<5	.05	<1	2	82	6	.85	.09	20	.02	140	7	.08	3	200	70	<5	<20	2	<.01	20	5	<10	2	112	
9070 - 6	✓ R- 5- 1 <5	.6	.31	10	<2	40	<5	.22	<1	2	159	14	1.16	.05	<10	.16	73	19	.06	18	800	6	<5	<20	20	<.01	10	71	<10	4	137	
9070 - 7	✓ R- 5- 2 <5	.2	.11	5	<2	55	<5	2.70	<1	4	37	7	2.05	.03	<10	.46	800	2	.05	2	390	6	<5	<20	182	<.01	20	15	<10	6	71	
9070 - 8	✓ R- 5- 3 <5	.6	1.01	20	<2	45	<5	.94	<1	9	82	93	3.68	.17	30	.15	1423	20	.06	39	1770	14	10	<20	52	<.01	20	53	20	45	918	
9070 - 9	✓ R- 5- 4 <5	1.0	.66	20	<2	70	<5	.38	<1	5	166	55	2.96	.11	10	.17	430	19	.06	21	650	16	5	<20	23	<.01	30	70	20	16	662	
9070 - 10	✓ R- 5- 5 <5	.6	.18	<5	<2	35	<5	4.29	<1	5	159	12	1.05	.04	<10	.06	1077	12	.05	11	170	16	<5	<20	273	<.01	30	21	<10	4	280	
9070 - 11	✓ R- 6- 1 <5	<.2	1.45	<5	<2	45	<5	.53	<1	11	96	11	4.43	.13	<10	.88	279	5	.09	5	1150	10	5	<20	12	.17	30	82	<10	13	61	
9070 - 12	✓ R- 6- 2 <5	.2	3.51	5	<2	25	<5	2.22	<1	35	132	73	4.39	.01	<10	1.94	599	3	.23	94	460	2	5	<20	35	.19	30	102	<10	11	59	
9070 - 13	✓ R- 6- 3 <5	.4	3.12	<5	<2	5	<5	.77	<1	39	27	20	7.88	<.01	10	2.63	850	2	.06	12	1200	6	10	<20	3	.26	30	270	<10	19	111	
9070 - 14	✓ R- 6- 4 <5	.2	2.38	<5	<2	15	<5	2.37	<1	9	178	35	3.78	<.01	<10	1.16	246	11	.05	14	890	12	5	<20	7	.09	30	138	<10	12	88	
9070 - 15	✓ R- 7- 1 <5	.2	.94	5	<2	55	<5	1.93	<1	8	44	2	2.87	.20	10	.46	1045	4	.07	1	760	16	5	<20	61	<.01	30	21	<10	11	33	
9070 - 16	✓ R- 7- 2 <5	.6	.30	710	2	20	<5	8.84	5	41	81	23	2.30	.13	10	.21	1835	9	.05	31	740	10	10	<20	861	<.01	30	24	<10	16	246	
9070 - 17	✓ R- 7- 3 <5	.2	.22	770	2	5	<5	8.45	4	46	90	15	2.70	.11	10	.17	1496	12	.05	31	580	6	15	<20	948	<.01	30	20	10	14	493	
9070 - 18	✓ R- 8- 1 <5	.4	.47	5	<2	35	<5	4.56	<1	5	149	7	1.94	.04	<10	.24	316	10	.06	6	430	4	<5	<20	733	<.01	30	31	<10	4	25	
9070 - 19	✓ R- 8- 2 <5	.8	.22	90	<2	10	<5	.79	<1	2	146	5	4.13	.21	10	.25	558	13	.05	3	170	28	5	<20	14	<.01	30	7	<10	5	22	
9070 - 20	✓ R- 8- 3 2.31/4	3.0	.49	1725	<2	15	<5	.64	<1	18	122	30	4.83	.30	<10	.02	44	8	.05	8	2570	74	10	<20	100	<.01	20	48	<10	5	85	
9070 - 21	✓ R- 8- 4 <5	.4	.16	10	<2	50	<5	8.58	<1	15	16	21	3.51	.05	<10	3.33	1473	6	.05	7	730	6	10	<20	953	<.01	30	27	<10	6	28	
9070 - 22	✓ R- 8- 5 <5	2.6	.36	90	<2	10	<5	.80	<1	18	100	83	6.20	.29	<10	.08	57	8	.05	9	2750	22	60	<20	96	<.01	20	51	<10	5	53	
9070 - 23	✓ R- 8- 6 <5	.4	.74	5	<2	50	<5	10.01	<1	16	37	11	4.34	.07	<10	4.67	3496	5	.04	40	310	8	10	<20	279	<.01	20	46	<10	14	32	
9070 - 24	✓ R- 8- 7 <5	5.4	.31	320	<2	<5	<5	.47	<1	19	114	74	8.77	.26	<10	.05	19	14	.05	13	2110	32	85	<20	68	<.01	20	33	<10	4	85	
9070 - 25	✓ R- 8- 8 <5	.2	.06	10	<2	40	<5	9.86	<1	8	15	7	3.84	.04	<10	2.15	1550	16	.05	5	360	8	5	<20	1885	<.01	30	11	<10	5	22	
9070 - 26	✓ R- 9- 9 2.5	.6	.35	65	6	5	<5	.49	<1	98	44	273	13.06	.14	10	.04	<1	7	.05	13	2720	16	20	<20	80	<.01	30	21	<10	8	39	

ECO-TECH LABORATORIES LTD.

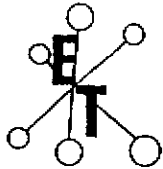
GRANGES INC. - ETS89-9070A

PAGE 2	ET#	DESCRIPTIONS	PP6 A4	AG AL(X)	AS	B	BA	BI CA(Z)	CD	CO	CR	CU FE(Z)	K(Z)	LA MG(Z)	MN	MO NA(Z)	NI	P	PB	SB	SN	SR TI(Z)	U	V	W	Y	ZH				
9070 - 27	✓ R- 9- 10	<5	6.0	.28	165	10	10	<5 1.50	<1	28	179	123	7.60	.12	10	.11	220	16	.05	14	2940	28	50	<20	157	<.01	20	60	<10	8	24
9070 - 28	✓ R- 9- 1	<5	.6	.69	30	<2	55	<5 .13	<1	3	151	42	3.18	.07	<10	.29	168	24	.06	18	500	18	10	<20	11	<.01	10	35	10	4	255
9070 - 29	✓ R- 9- 2	<5	.2	.93	60	<2	205	<5 .18	B	4	35	122	7.73	.05	<10	.71	61	83	.05	89	1590	22	20	<20	16	<.01	20	77	20	5	714
9070 - 30	✓ R- 9- 3	<5	.4	1.05	20	<2	25	<5 9.22	2	47	29	35	6.09	.09	20	.67	2849	15	.07	7	8030	26	20	<20	452	<.01	<10	28	<10	39	178
9070 - 31	✓ R- 9- 4	<5	.4	.45	20	12	25	<5 .67	<1	6	197	4	3.39	.04	<10	.35	78	26	.06	7	1470	6	15	<20	20	<.01	10	22	<10	8	34
9070 - 32	✓ R- 9- 5	<5	.4	.60	30	4	10	<5 2.21	<1	16	94	3	11.34	.03	10	.69	141	14	.06	4	2230	10	25	<20	69	<.01	20	16	<10	13	88
9070 - 33	✓ R- 9- 6	<5	5.8	.61	120	<2	15	<5 .24	<1	6	92	88	6.48	.09	<10	.41	261	17	.05	36	1250	18	15	<20	13	<.01	<10	53	<10	7	166
9070 - 34	✓ R- 11- 1	<5	4.0	.21	30	12	40	<5 2.14	22	3	236	231	3.36	.03	<10	.43	810	21	.05	13	640	84	40	<20	110	<.01	20	13	50	10	2136
9070 - 35	✓ R- 11- 2	<5	.8	.26	20	<2	220	<5 .64	5	2	344	59	2.53	.06	<10	.13	285	25	.05	13	610	18	10	<20	39	<.01	<10	16	20	7	1015
9070 - 36	✓ R- 11- 3	<5	1.4	.69	85	10	30	<5 2.45	<1	9	120	53	5.59	.20	10	.33	404	13	.05	43	6790	24	15	<20	300	<.01	20	29	10	48	171
9070 - 37	✓ R- 12- 1	<5	.2	1.60	10	<2	40	<5 1.09	<1	7	67	23	5.59	.08	10	1.40	626	13	.05	9	2330	12	10	<20	25	.06	<10	18	10	17	115
9070 - 38	✓ R- 13- 1	<5	1.2	.31	25	<2	230	<5 1.39	<1	2	143	9	5.24	.18	30	.30	1590	19	.05	5	220	38	15	<20	18	<.01	20	2	10	16	247
9070 - 39	✓ R- 13- 2	<5	.2	.15	5	<2	55	<5 .01	<1	2	135	1	1.97	.06	10	.01	452	13	.06	3	130	6	<5	280	3	<.01	20	4	<10	4	24
9070 - 40	✓ R- 13- 3	<5	.4	.09	<5	<2	40	<5 .06	<1	1	202	3	1.07	.05	<10	.01	132	18	.05	5	340	4	<5	20	6	<.01	10	3	<10	3	20
9070 - 41	✓ R- 13- 4	<5	.4	.26	5	<2	95	<5 1.64	<1	3	122	5	2.81	.11	20	.06	663	15	.07	1	130	14	5	<20	35	<.01	10	4	<10	11	60
9070 - 42	✓ R- 13- 5	<5	.4	.40	<5	<2	85	<5 .54	<1	3	131	3	2.58	.16	20	.06	580	13	.05	4	160	8	5	20	8	<.01	<10	4	<10	9	98
9070 - 43	✓ R- 13- 6	<5	.2	.59	<5	<2	115	<5 .33	<1	4	157	3	3.39	.10	20	.15	962	16	.06	3	270	10	5	20	10	<.01	30	12	<10	8	35
9070 - 44	✓ R- 13- 7	<5	.8	.16	60	<2	110	<5 .02	<1	2	145	2	1.34	.24	20	<.01	20	14	.05	3	110	22	<5	<20	6	<.01	30	1	<10	3	4
9070 - 45	R- 14- 1	<5	3.0	.40	160	<2	15	<5 .24	<1	8	72	<1	5.07	.24	<10	.09	16	10	.05	2	1270	26	20	<20	8	<.01	30	25	<10	8	31
9070 - 46	R- 14- 2	<5	8.6	.26	170	<2	15	<5 .08	<1	5	143	6	3.95	.17	<10	.83	44	13	.05	4	500	26	10	<20	5	<.01	30	20	<10	3	194
9070 - 47	R- 14- 3	25	9.0	.51	375	<2	15	<5 .15	<1	6	96	5	4.14	.21	<10	.22	51	11	.05	2	680	46	15	<20	8	<.01	10	25	<10	5	110
9070 - 48	R- 14- 4	75	9.4	.27	365	<2	15	<5 .05	<1	4	86	7	3.63	.16	<10	.04	40	8	.05	3	340	42	15	<20	5	<.01	10	21	<10	3	123
9070 - 49	R- 14- 5	200	16.4	.42	625	<2	5	<5 .01	<1	6	115	10	4.52	.23	<10	.13	109	11	.05	5	750	2062	20	<20	8	<.01	30	31	<10	5	128
9070 - 50	R- 14- 6	50	7.4	.37	180	<2	30	<5 .25	<1	4	60	16	2.46	.17	<10	.07	12	5	.05	2	1100	38	20	<20	11	<.01	30	21	<10	4	138
9070 - 51	R- 14- 7	<5	2.2	1.49	100	<2	20	<5 .69	<1	10	51	5	6.56	.21	10	1.10	256	8	.05	2	2190	28	20	<20	16	<.01	30	76	<10	16	147
9070 - 52	R- 14- 8	<5	3.4	1.26	240	<2	10	<5 1.71	7	16	50	10	7.99	.20	10	1.14	905	12	.05	3	2700	68	15	<20	25	<.01	20	69	40	20	1541
9070 - 53	R- 14- 9	<5	1.8	.41	50	<2	15	<5 .39	<1	8	79	2	4.51	.22	<10	.09	29	10	.05	3	1480	20	10	<20	12	<.01	20	20	<10	9	52
9070 - 54	R- 14- 10	30	3.8	.52	255	<2	15	<5 .46	<1	15	89	6	7.64	.18	<10	.22	38	9	.05	3	1900	40	20	<20	14	<.01	30	36	<10	11	69
9070 - 55	R- 16- 1	<5	3.4	.40	105	<2	10	<5 .48	<1	31	45	19	14.61	.24	10	.15	<1	3	.04	8	1790	34	45	<20	82	<.01	30	55	<10	4	36
9070 - 56	R- 16- 2	<5	.8	1.21	15	<2	30	<5 2.29	<1	10	43	82	6.77	.10	10	1.19	939	3	.05	17	1070	22	5	<20	140	<.01	30	30	<10	7	118
9070 - 57	R- 16- 3	<5	.6	.28	10	<2	30	<5 3.42	<1	6	52	50	3.43	.13	<10	.68	847	8	.05	12	1350	14	25	<20	509	<.01	30	27	<10	8	64
9070 - 58	✓ R- 16- 4	<5	.4	1.71	5	<2	70	<5 3.85	<1	3	50	22	.33	.08	<10	1.00	380	5	.05	4	1450	10	20	<20	101	<.01	20	20	<10	12	111
9070 - 59	✓ R- 16- 5	<5	.6	.87	150	<2	75	<5 6.87	<1	12	162	13	3.98	.08	10	.73	1112	22	.05	7	590	8	10	<20	287	<.01	30	34	<10	6	53
9070 - 60	✓ R- 16- 6	<5	.8	.30	15	<2	100	<5 .17	<1	<1	113	6	1.22	.18	20	.05	71	9	.04	2	50	16	5	<20	19	<.01	30	5	<10	4	113
9070 - 61	✓ R- 16- 7	1.28 1/4	6.0	.41	40	<2	5	<5 .15	18	18	198	205	5.32	.21	<10	.51	674	14	.04	11	2280	904	15	<20	40	<.01	30	54	60	6	2903

NOTE: < = LESS THAN

CC: B. GABOURY
GRANGES INC.
C/O JAYCOX INDUSTRIES
BOX 3633
SMITHERS, B.C., V0J 2N0

Douglas Howard
ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 3, 1989

CERTIFICATE OF ANALYSIS ETS 89-9083

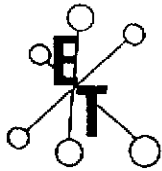
GRANGES EXPLORATIONS LTD.
2300, 885 WEST GEORGIA ST.
VANCOUVER, B.C.
V6C 3E6

ATTENTION: GEORGE ZBITNOFF

SAMPLE IDENTIFICATION: 115 SOIL samples received JULY 21, 1989
PROJECT: P134
SHIPMENT NO: 2

ET#	Description	SEE RE ISSUED RESULT (ppb)	Au
9083 - 1	S17 1	DATED AUG. 4/89	70
9083 - 2	S17 2		50
9083 - 3	S17 3		65
9083 - 4	S17 4		105
9083 - 5	S17 5		60
9083 - 6	S17 6		45
9083 - 7	S17 7		75
9083 - 8	S17 8		55
9083 - 9	S17 9		50
9083 - 10	S17 10		50
9083 - 11	S17 11		65
9083 - 12	S17 12		65
9083 - 13	S17 13		55
9083 - 14	S18 1		50
9083 - 15	S18 2		55
9083 - 16	S18 3		20
9083 - 17	S18 4		25
9083 - 18	S18 5		50
9083 - 19	S18 6		30
9083 - 20	S18 7		40
9083 - 21	S18 8		25
9083 - 22	S18 9		90
9083 - 23	S18 10		70
9083 - 24	S18 11		65
9083 - 25	S18 12		65
9083 - 26	S18 13		85
9083 - 27	S18 14		70
9083 - 28	S18 15		70
9083 - 29	S20 1		80
9083 - 30	S20 2		70

WHY VERY HIGH
BACKGROUND ??
ca.



ECO-TECH LABORATORIES LTD.

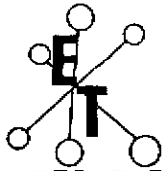
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

GRANGES EXPLORATIONS LTD.

AUGUST 3, 1989

ET#	Description	Au (ppb)
9083 - 31	S20 3	85
9083 - 32	S20 4	95
9083 - 33	S20 5	65
9083 - 34	S20 6	85
9083 - 35	S20 7	90
9083 - 36	S20 8	55
9083 - 37	S20 9	17
9083 - 38	S20 10	75
9083 - 39	S20 11	70
9083 - 40	S20 12	50
9083 - 41	S20 13	60
9083 - 42	S20 14	75
9083 - 43	S21 1	80
9083 - 44	S21 2	235
9083 - 45	S21 3	220
9083 - 46	S22 1	85
9083 - 47	S22 2	90
9083 - 48	S22 3	90
9083 - 49	S22 4	90
9083 - 50	S22 5	85
9083 - 51	S22 6	70
9083 - 52	S22 7	65
9083 - 53	S22 8	45
9083 - 54	S22 9	40
9083 - 55	S23 1	40
9083 - 56	S23 2	45
9083 - 57	S23 3	50
9083 - 58	S23 4	60
9083 - 59	S23 5	35
9083 - 60	S23 6	45
9083 - 61	S23 7	40
9083 - 62	S24 1	30
9083 - 63	S24 2	45
9083 - 64	S24 3	45
9083 - 65	S24 4	40
9083 - 66	S24 5	50
9083 - 67	S24 6	30
9083 - 68	S29 1	35
9083 - 69	S29 2	55
9083 - 70	S29 3	70
9083 - 71	S29 4	75
9083 - 72	S29 5	40
9083 - 73	S29 6	80
9083 - 74	S29 7	55
9083 - 75	S29 8	45



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ASSAYING - ENVIRONMENTAL TESTING


10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

GRANGES EXPLORATIONS LTD.

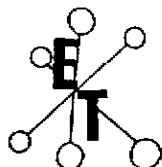
AUGUST 3, 1989

ET#	Description	Au (ppb)
9083 - 76	S29 9	55
9083 - 77	S29 10	55
9083 - 78	S29 11	50
9083 - 79	S29 12	60
9083 - 80	S29 13	70
9083 - 81	S29 14	45
9083 - 82	S29 15	30
9083 - 83	S29 16	65
9083 - 84	S29 17	60
9083 - 85	S29 18	70
9083 - 86	S29 19	55
9083 - 87	S32 1	50
9083 - 88	S32 2	50
9083 - 89	S32 3	45
9083 - 90	S32 4	25
9083 - 91	S32 5	20
9083 - 92	S32 6	35
9083 - 93	S32 7	45
9083 - 94	S34 1	45
9083 - 95	S34 2	35
9083 - 96	S34 3	30
9083 - 97	S34 4	25
9083 - 98	S34 5	50
9083 - 99	S35 5	20
9083 - 100	S37 1	40
9083 - 101	S37 2	25
9083 - 102	S37 3	35
9083 - 103	S37 4	40
9083 - 104	S37 5	15
9083 - 105	S37 6	140
9083 - 106	S37 7	70
9083 - 107	S37 8	30
9083 - 108	S37 9	60
9083 - 109	S37 10	45
9083 - 110	S37 11	15
9083 - 111	S37 12	20
9083 - 112	S37 13	40
9083 - 113	S37 14	55
9083 - 114	S37 15	20
9083 - 115	S37 16	30

NOTE: < = less than


ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER

CC: GRANGES INC.
C/O JAYCOX INDUSTRIES
BOX 3633, SMITHERS, B.C.
VOJ 2N0
FAX: E-T, STEWART
SC89/GRANGES



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 24, 1989

CERTIFICATE OF ANALYSIS ETS 89-9083A

RE-ISSUE

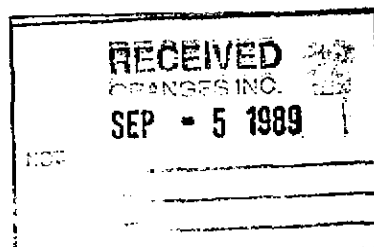
GRANGES EXPLORATIONS LTD.
2300, 885 WEST GEORGIA ST.
VANCOUVER, B.C.
V6C 3E6

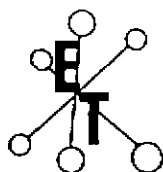
ATTENTION: GEORGE ZBITNOFF

SAMPLE IDENTIFICATION: 115 SOIL samples received JULY 21, 1989
PROJECT: P134
SHIPMENT NO: 2

ET#	Description	Au (ppb)
9083 - 1	/ S17 1	30
9083 - 2	/ S17 2	40
9083 - 3	/ S17 3	15
9083 - 4	/ S17 4	80
9083 - 5	/ S17 5	30
9083 - 6	/ S17 6	25
9083 - 7	/ S17 7	30
9083 - 8	/ S17 8	20
9083 - 9	/ S17 9	80
9083 - 10	/ S17 10	10
9083 - 11	/ S17 11	35
9083 - 12	/ S17 12	20
9083 - 13	/ S17 13	20
9083 - 14	/ S18 1	45
9083 - 15	/ S18 2	20
9083 - 16	/ S18 3	20
9083 - 17	/ S18 4	40
9083 - 18	/ S18 5	30
9083 - 19	/ S18 6	20
9083 - 20	/ S18 7	20
9083 - 21	/ S18 8	40
9083 - 22	/ S18 9	35
9083 - 23	/ S18 10	20
9083 - 24	/ S18 11	20
9083 - 25	/ S18 12	***
9083 - 26	/ S18 13	30
9083 - 27	/ S18 14	25
9083 - 28	/ S18 15	20
9083 - 29	/ S20 1	10
9083 - 30	/ S20 2	20

Page 1





ECO-TECH LABORATORIES LTD.

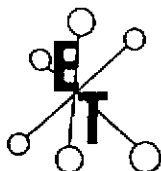
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

GRANGES EXPLORATIONS LTD.

AUGUST 24, 1989

ET#	Description	Au (ppb)
9083 - 31	✓ S20 3	25
9083 - 32	✓ S20 4	20
9083 - 33	✓ S20 5	25
9083 - 34	✓ S20 6	35
9083 - 35	✓ S20 7	30
9083 - 36	✓ S20 8	60
9083 - 37	✓ S20 9	15
9083 - 38	✓ S20 10	35
9083 - 39	✓ S20 11	40
9083 - 40	✓ S20 12	25
9083 - 41	✓ S20 13	25
9083 - 42	✓ S20 14	75
9083 - 43	✓ S21 1	60
9083 - 44	✓ S21 2	254
9083 - 45	✓ S21 3	180
9083 - 46	✓ S22 1	100
9083 - 47	✓ S22 2	30
9083 - 48	✓ S22 3	80
9083 - 49	✓ S22 4	55
9083 - 50	✓ S22 5	30
9083 - 51	✓ S22 6	30
9083 - 52	✓ S22 7	35
9083 - 53	✓ S22 8	40
9083 - 54	✓ S22 9	20
9083 - 55	✓ S23 1	15
9083 - 56	✓ S23 2	25
9083 - 57	✓ S23 3	15
9083 - 58	✓ S23 4	25
9083 - 59	✓ S23 5	20
9083 - 60	✓ S23 6	25
9083 - 61	✓ S23 7	15
9083 - 62	✓ S24 1	***
9083 - 63	✓ S24 2	45
9083 - 64	✓ S24 3	35
9083 - 65	✓ S24 4	30
9083 - 66	✓ S24 5	***
9083 - 67	✓ S24 6	25
9083 - 68	✓ S29 1	25
9083 - 69	✓ S29 2	35
9083 - 70	✓ S29 3	85
9083 - 71	✓ S29 4	30
9083 - 72	✓ S29 5	30
9083 - 73	✓ S29 6	35
9083 - 74	✓ S29 7	25
9083 - 75	✓ S29 8	30



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ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

GRANGES EXPLORATIONS LTD.

AUGUST 24, 1989

ET#	Description	Au (ppb)
9083 - 76	✓ S29 9	40
9083 - 77	✓ S29 10	35
9083 - 78	✓ S29 11	30
9083 - 79	✓ S29 12	45
9083 - 80	✓ S29 13	40
9083 - 81	✓ S29 14	25
9083 - 82	✓ S29 15	50
9083 - 83	✓ S29 16	100
9083 - 84	✓ S29 17	60
9083 - 85	✓ S29 18	25
9083 - 86	✓ S29 19	35
9083 - 87	✓ S32 1	25
9083 - 88	✓ S32 2	60
9083 - 89	✓ S32 3	25
9083 - 90	✓ S32 4	10
9083 - 91	✓ S32 5	5
9083 - 92	✓ S32 6	15
9083 - 93	✓ S32 7	15
9083 - 94	✓ S34 1	10
9083 - 95	✓ S34 2	10
9083 - 96	✓ S34 3	10
9083 - 97	✓ S34 4	30
9083 - 98	✓ S34 5	20
9083 - 99	✓ S35 5	15
9083 - 100	✓ S37 1	30
9083 - 101	✓ S37 2	20
9083 - 102	✓ S37 3	25
9083 - 103	✓ S37 4	45
9083 - 104	✓ S37 5	20
9083 - 105	✓ S37 6	125
9083 - 106	✓ S37 7	75
9083 - 107	✓ S37 8	90
9083 - 108	✓ S37 9	30
9083 - 109	✓ S37 10	40
9083 - 110	✓ S37 11	40
9083 - 111	✓ S37 12	30
9083 - 112	✓ S37 13	30
9083 - 113	✓ S37 14	30
9083 - 114	✓ S37 15	20
9083 - 115	✓ S37 16	25

NOTE: < = less than
*** INSUFFICIENT SAMPLE

Douglas Howard
ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER

CC: GRANGES INC.
C/O JAYCOX INDUSTRIES
BOX 3633, SMITHERS, B.C.
VOJ 2N0
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SCB9/GRANGES

ECO-TECH LABORATORIES LTD.

GRANGES EXPLORATION - ETS89-9083A

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

2300 - 885 WEST GEORGIA STREET
VANCOUVER, B.C.
V6C 3E8

AUGUST 3, 1989

ATTENTION: GEORGE ZBITNOFF

VALUES IN PPM UNLESS OTHERWISE REPORTED

PAGE 1

PROJECT: P. 134 SHIPMENT # 2
115 SOIL SAMPLES RECEIVED JULY 21, 1989 IN KAMLOOPS

ET#	DESCRIPTIONS	AG	AL(Z)	AS	B	BA	BI	CA(Z)	CD	CO	CR	CU	FE(Z)	K(Z)	LA	MG(Z)	MN	MO	NA(Z)	NI	P	PB	SE	SN	SR	TI(Z)	U	V	W	Y	ZN
9083A-1	S17	1	70 .8 1.44	10	4	80	<5	.80	<1	33	10	21	4.86	.09	10	1.13	964	2	.06	16	920	24	10	<20	51	.26	30	98	<10	7	116
9083A-2	S17	2	50 .8 1.71	20	2	80	<5	.25	1	29	16	85	7.25	.14	<10	.64	1679	2	.24	19	2260	10	15	<20	16	.05	20	82	<10	15	125
9083A-3	S17	3	65 .2 1.13	30	4	155	<5	.52	<1	37	10	110	7.62	.07	10	.37	1659	5	.1	11	3180	16	30	<20	35	.02	20	98	<10	16	120
9083A-4	S17	4	105 .6 1.63	15	6	140	<5	.69	<1	38	17	174	9.13	.10	20	.96	1790	4	.05	17	2510	16	25	<20	49	.02	20	136	<10	15	151
9083A-5	S17	5	60 .8 1.59	15	12	35	<5	.05	<1	29	14	100	6.74	.07	10	1.13	1411	5	.04	23	2480	16	30	<20	56	.06	30	106	10	13	127
9083A-6	S17	6	45 .8 1.18	20	<2	150	<5	.52	1	41	12	165	10.87	.09	20	.44	1967	9	.08	17	3130	16	40	<20	43	.01	20	119	<10	22	131
9083A-7	S17	7	75 .8 2.26	20	4	150	<5	.26	1	33	23	105	7.08	.06	10	1.01	1908	7	.04	25	2220	14	15	<20	22	.06	30	99	<10	14	156
9083A-8	S17	8	55 .6 2.11	20	8	185	<5	.82	2	29	21	104	6.45	.05	20	1.55	1396	4	.04	27	3060	28	30	<20	72	.08	30	156	<10	18	151
9083A-9	S17	9	50 1.0 4.37	30	<2	55	<5	.13	1	15	25	28	6.95	.21	30	.25	2326	8	.07	8	1100	20	35	20	12	.13	30	62	10	18	127
9083A-10	S17	10	50 1.2 3.03	30	<2	95	<5	.37	<1	22	35	51	6.59	.06	20	1.35	1522	8	.07	38	1590	16	15	<20	31	.16	20	134	<10	17	156
9083A-11	S17	11	65 1.2 3.26	50	8	110	<5	.22	1	34	32	71	7.05	.07	20	1.10	1201	5	.07	28	2190	14	40	20	17	.22	30	149	10	21	156
9083A-12	S17	12	65 1.0 2.80	30	10	270	<5	.67	1	55	17	191	9.15	.06	20	1.58	3311	9	.03	35	3310	24	40	<20	38	.02	30	126	<10	24	206
9083A-13	S17	13	55 .6 2.11	45	4	175	<5	.73	<1	34	22	94	7.21	.10	10	1.27	2074	4	.08	36	2660	20	30	<20	59	.07	20	158	<10	14	171
9083A-14	S18	1	50 1.4 3.17	40	4	200	<5	.34	1	30	48	54	7.61	.08	30	1.21	1499	8	.06	51	2390	18	35	<20	27	.24	20	131	<10	28	252
9083A-15	S18	2	55 1.0 3.43	30	<2	270	<5	.56	<1	23	43	52	8.86	.08	30	1.31	1430	11	.10	42	2310	24	35	<20	47	.22	30	133	<10	37	256
9083A-16	S18	3	20 2.2 3.82	405	<2	310	<5	.64	2	56	20	27	12.65	.06	30	1.16	11021	30	.07	21	2540	64	55	<20	60	.21	20	163	20	43	293
9083A-17	S18	4	25 .4 2.69	55	<2	75	<5	.19	1	34	49	62	7.24	.04	20	1.19	2397	6	.06	72	2080	20	35	<20	12	.04	30	105	10	12	217
9083A-18	S18	5	50 1.4 3.88	25	2	170	<5	.41	1	40	50	54	6.39	.11	30	1.31	1418	8	.13	47	2380	24	15	<20	37	.47	20	137	<10	29	219
9083A-19	S18	6	30 .8 3.23	30	2	95	<5	.22	<1	26	41	41	7.48	.06	30	1.02	1399	11	.11	31	1450	18	35	<20	18	.22	30	129	10	15	156
9083A-20	S18	7	40 .8 1.46	20	16	210	<5	.92	<1	45	16	190	10.03	.08	20	.90	2404	9	.13	31	4180	20	35	<20	70	.05	30	119	10	21	213
9083A-21	S18	8	25 1.0 2.88	45	<2	120	<5	.17	1	41	56	72	7.06	.04	20	1.31	1924	7	.04	70	1780	18	30	<20	10	.03	30	118	10	13	189
9083A-22	S18	9	90 1.4 2.85	50	<2	140	<5	.23	<1	34	54	72	7.54	.05	20	1.36	2596	5	.07	83	2400	24	35	<20	17	.06	20	126	<10	17	218
9083A-23	S18	10	70 .8 2.78	30	10	65	<5	.16	<1	17	43	45	6.00	.04	20	1.00	755	9	.06	41	1690	16	25	<20	11	.08	30	111	10	9	147
9083A-24	S18	11	65 1.0 3.29	30	<2	185	<5	.24	1	18	39	41	7.39	<.01	20	1.36	1974	8	.07	37	1770	14	40	<20	17	.04	<10	108	<10	14	202
9083A-25	S18	12	INSUFFICIENT SAMPLE																												
9083A-26	S18	13	<.2 2.09	15	2	60	<5	.16	1	22	26	37	4.13	.06	10	.84	884	6	.09	33	1200	14	10	<20	13	.09	<10	64	<10	10	119

PAGE 2

ETA	DESCRIPTIONS	AG	AL(Z)	AS	B	BA	BI	CA(Z)	CD	CO	CR	CU	FE(Z)	K(Z)	LA	MG(Z)	MN	MO	NA(Z)	NI	P	PB	SB	SN	SR	TI(Z)	U	V	W	Y	ZN					
9083A-27	S18	14	70	.2	2.70	5	2	50	<5	.18	<1	17	27	26	3.84	.06	10	.55	503	7	.10	16	1360	16	10	<20	15	.09	10	74	<10	9	95			
9083A-28	S18	15	70	3.8	2.17	65	<2	160	<5	.49	<1	17	26	21	3.83	.06	20	.64	1169	12	.06	22	960	14	20	<20	44	.06	20	56	10	20	135			
9083A-29	S20	1	80	.2	1.92	10	2	110	<5	1.33	<1	26	14	108	5.22	.31	10	2.12	1097	4	.10	11	3230	10	15	<20	108	.09	20	177	<10	10	88			
9083A-30	S20	2	70	.4	2.21	15	8	110	<5	1.35	<1	31	20	113	5.49	.33	10	2.34	1412	8	.08	17	3380	10	20	<20	95	.09	10	203	<10	11	102			
9083A-31	S20	3	85	.6	1.27	15	<2	85	<5	.49	<1	21	16	64	4.07	.09	10	.76	852	3	.09	15	1720	16	15	20	37	.06	<10	62	10	10	89			
9083A-32	S20	4	95	.2	2.29	45	<2	100	<5	.16	<1	22	21	62	5.21	.05	<10	.66	1434	3	.05	15	1120	16	25	<20	18	.07	30	112	10	6	91			
9083A-33	S20	5	65	.2	1.74	15	<2	60	<5	.51	<1	27	16	64	4.11	.09	10	1.08	1089	1	.15	21	1340	18	15	<20	34	.11	30	78	<10	10	104			
9083A-34	S20	6	85	.2	2.42	25	<2	70	<5	.27	<1	31	20	61	5.14	.05	10	1.02	1569	5	.07	20	1090	18	20	<20	17	.14	20	127	<10	8	105			
9083A-35	S20	7	80	.4	2.48	40	<2	65	<5	.30	<1	30	23	84	4.90	.06	10	1.03	1328	7	.09	21	1850	16	10	20	21	.06	<10	95	<10	13	102			
9083A-36	S20	8	55	.2	2.36	35	<2	55	<5	.2	<1	23	26	49	4.36	.05	10	.83	1082	7	.08	22	790	18	25	<20	14	.08	20	89	10	11	99			
9083A-37	S20	9	17	<2	3.28	15	<2	40	<5	.09	<1	21	13	17	3.99	.05	10	.2	627	8	.09	5	710	18	25	<20	6	.15	<10	55	<10	13	58			
9083A-38	S20	10	75	.8	3.99	20	8	60	<5	.71	<1	41	41	56	7.96	.10	20	1.91	1821	6	.18	27	2370	22	15	<20	29	.27	30	201	10	24	109			
9083A-39	S20	11	70	.6	2.94	20	<2	90	<5	.31	<1	40	46	64	7.77	.07	20	1.37	2641	7	.06	33	3060	26	15	<20	11	.11	30	145	10	20	147			
9083A-40	S20	12	50	.8	1.47	80	<2	70	<5	.74	<1	51	23	87	>15.00	.03	30	.67	>10000	20	.04	37	2950	24	25	<20	15	.05	30	40	10	44	183			
9083A-41	S20	13	60	.4	3.80	20	<2	55	<5	.39	<1	33	49	54	7.59	.04	10	1.31	1865	8	.04	30	2470	20	15	<20	12	.05	30	162	10	15	99			
9083A-42	S20	14	25	.6	3.54	20	<2	65	<5	.34	<1	39	41	56	8.17	.05	20	1.23	1718	6	.07	26	2240	8	5	<20	13	.15	30	161	<10	19	99			
9083A-43	S21	1	80	1.2	2.62	75	4	130	<5	1.39	<1	63	53	87	10.61	.10	30	2.19	2611	5	.22	59	2630	16	20	<20	53	.29	30	174	<10	27	187			
9083A-44	S21	2	238	INSUFFICIENT SAMPLE																																
9083A-45	S21	3	220	.6	1.69	155	<2	150	<5	.89	<1	43	99	71	7.51	.05	20	1.41	2192	8	.06	58	2370	46	15	<20	36	.04	20	182	<10	20	100			
9083A-46	S22	1	85	.6	2.30	10	<2	75	<5	.09	<1	9	89	18	9.72	.02	10	.56	1278	9	.04	17	2440	20	10	<20	7	.09	30	292	<10	4	27			
9083A-47	S22	2	90	1.4	2.09	20	<2	65	<5	.21	<1	19	66	25	7.00	.04	10	.75	1760	12	.06	17	3040	36	10	<20	13	.20	10	225	10	4	54			
9083A-48	S22	3	91	INSUFFICIENT SAMPLE																																
9083A-49	S22	4	90	.6	2.81	25	<2	100	<5	.10	<1	11	128	30	8.39	.02	40	.48	364	6	.04	18	5000	40	15	<20	8	.13	30	161	10	7	31			
9083A-50	S22	5	85	.6	1.40	90	4	50	<5	.52	<1	9	90	34	5.56	.03	20	.51	394	9	.05	19	2130	25	15	<20	25	.09	20	153	<10	6	54			
9083A-51	S22	6	70	1.0	6.23	10	12	70	<5	.54	<1	7	51	34	7.63	.02	20	.22	594	9	.05	8	1950	16	20	<20	18	.11	30	112	10	8	21			
9083A-52	S22	7	65	.8	.69	15	<2	90	<5	.19	<1	9	14	9	6.08	.03	30	.05	765	12	.05	8	1000	26	10	<20	10	.38	20	208	<10	7	41			
9083A-53	S22	8	45	1.0	2.43	15	<2	55	<5	.58	<1	17	41	31	7.96	.04	20	.38	846	7	.05	13	1180	22	20	<20	17	.27	30	223	<10	7	45			
9083A-54	S22	9	40	.8	3.89	20	<2	85	<5	.18	<1	8	63	21	12.68	.03	30	.49	767	7	.06	15	>10000	26	15	<20	11	.12	30	278	<10	6	44			
9083A-55	S23	1	40	.6	2.76	15	2	75	<5	.85	<1	30	37	50	7.21	.07	30	1.74	1259	6	.14	24	1850	20	10	<20	42	.21	10	137	<10	25	98			
9083A-56	S23	2	45	.6	3.59	5	6	90	<5	.84	<1	44	47	60	8.77	.09	20	2.30	2337	8	.18	23	2000	18	20	<20	42	.29	30	162	<10	30	116			
9083A-57	S23	3	50	.4	4.02	<5	<2	90	<5	1.26	<1	16	39	28	6.04	.07	60	.74	813	9	.12	14	1860	20	10	<20	96	.24	30	97	<10	61	100			
9083A-58	S23	4	60	.6	3.30	15	<2	190	<5	.82	<1	41	38	98	8.43	.08	30	1.39	3485	4	.06	20	2010	26	15	<20	40	.07	20	165	<10	30	93			
9083A-59	S23	5	35	1.0	2.51	15	<2	105	<5	.19	<1	23	23	46	5.27	.05	<10	.62	993	6	.06	18	890	22	15	<20	23	.20	30	113	10	8	81			
9083A-60	S23	6	40	.8	2.91	30	4	45	<5	.24	<1	23	31	64	5.08	.05	10	.99	778	3	.08	22	1760	26	20	<20	18	.17	10	134	<10	11	108			
9083A-61	S23	7	40	.8	2.91	35	10	45	<5	.06	<1	16	32	51	5.27	.03	10	.82	669	8	.05	20	910	18	20	<20	5	.03	30	119	20	7	105			
9083A-62	S24	1	30	1.2	2.92	30	<2	130	<5	.05	<1	23	25	172	5.79	.04	10	.87	2949	9	.05	30	1700	24	10	<20	10	.03	30	79	<10	6	190			
9083A-63	S24	2	45	5.0	1.99	60	<2	355	<5	.70	28	47	30	222	5.15	.05	10	.83	4485	24	.07	303	1530	20	25	<20	68	.03	20	73	60	20	2199			

ECO-TECH LABORATORIES LTD.

GRANGES EXPLORATION - ETS89-9083A

PAGE 3
ET#

A = (ppb)

ET#	DESCRIPTIONS	AS AL(Z)	AS	B	BA	RI CA(Z)	CD	CO	CR	CU	FE(Z)	K(Z)	LA MG(Z)	MN	MO NA(Z)	NI	P	PB	SR	SN	SR TI(Z)	U	V	W	Y	ZN						
9083A-64	S24	3 45	7.4	1.45	90	<2	475	<5	.68	53	65	35	341	5.51	.04	10	.55	6944	28	.07	427	2050	6	35	<20	94	.03	30	58	80	22	2804
9083A-65	S24	4 40	1.2	3.06	55	<2	45	<5	.03	<1	30	19	74	4.86	.03	10	.69	1586	12	.05	27	890	10	25	<20	6	.03	30	50	10	6	190
9083A-66	S24	5 50	2.2	1.84	145	<2	600	<5	.20	<1	58	16	225	13.04	.03	20	.44	10000	13	.05	50	2720	36	35	<20	14	.01	30	189	<10	38	274
9083A-67	S24	6 30	1.4	2.39	15	2	75	<5	.75	2	43	39	205	7.09	.06	10	1.57	1785	4	.05	83	1770	4	10	<20	53	.09	20	143	20	12	281
9083A-68	S29	1 35	2.4	1.51	5	6	45	<5	.16	2	36	21	161	5.61	.02	10	.86	1642	10	.04	88	1690	2	10	<20	14	.07	20	56	10	13	244
9083A-69	S29	2 55	1.8	3.23	30	4	90	<5	.17	1	26	25	84	6.10	.06	30	.54	1332	14	.06	50	1420	26	20	<20	39	.13	<10	60	20	34	244
9083A-70	S29	3 70	2.2	2.72	35	<2	115	<5	.18	1	38	37	185	6.72	.04	10	1.07	1816	12	.04	88	1840	30	20	<20	68	.11	10	91	<10	19	293
9083A-71	S29	4 25	2.2	1.99	40	4	120	<5	.23	1	36	27	167	6.03	.04	10	1.02	1603	11	.06	92	1520	22	20	<20	57	.07	20	78	10	14	266
9083A-72	S29	5 40	1.8	2.84	45	<2	225	<5	.28	1	34	41	160	5.82	.04	<10	1.21	2079	14	.06	93	1180	28	35	<20	50	.07	30	86	10	11	235
9083A-73	S29	6 80	2.0	2.53	30	<2	115	<5	.19	1	36	30	143	6.03	.04	10	1.10	1968	15	.07	75	1330	24	15	<20	45	.11	20	84	20	17	237
9083A-74	S29	7 55	1.2	2.82	30	2	80	<5	.17	<1	32	32	120	5.84	.04	10	1.01	1517	11	.07	67	1340	28	20	<20	30	.10	<10	82	10	13	220
9083A-75	S29	8 45	1.8	2.92	15	8	95	<5	.03	<1	58	36	168	6.20	.02	10	1.10	2790	16	.04	137	1170	12	25	<20	17	.09	20	108	20	18	379
9083A-76	S29	9 55	2.2	2.76	30	<2	135	<5	.12	2	66	39	204	6.99	.03	10	1.04	3263	21	.04	136	2020	18	25	<20	41	.11	20	116	20	16	373
9083A-77	S29	10 55	1.2	1.99	25	<2	145	<5	.07	5	35	29	145	5.81	.03	10	.79	2328	20	.04	115	1440	14	15	<20	17	.03	20	92	10	21	385
9083A-78	S29	11 50	2.0	1.53	30	<2	145	<5	.36	4	43	26	249	6.39	.04	10	.65	2407	23	.03	140	2510	18	15	<20	25	<10	10	74	10	21	440
9083A-79	S29	12 60	5.2	1.61	45	<2	95	<5	.29	6	48	38	257	6.70	.03	10	1.00	1834	29	.05	183	2360	18	20	<20	28	.02	10	82	10	22	577
9083A-80	S29	13 70	4.0	1.55	55	<2	75	<5	.07	5	50	31	270	7.51	.03	<10	.60	2563	35	.05	183	3310	18	20	<20	21	.01	10	51	10	12	536
9083A-81	S29	14 45	1.4	.69	60	<2	95	<5	.12	2	46	16	183	5.39	.03	<10	.21	2499	46	.05	68	2410	42	20	<20	41	.01	10	69	<10	16	287
9083A-82	S29	15 30	1.6	1.81	35	<2	90	<5	.48	2	39	34	186	6.36	.04	10	1.21	1882	31	.08	111	1870	16	15	<20	45	.06	10	101	<10	19	315
9083A-83	S29	16 65	.8	2.53	15	<2	185	<5	.23	2	35	17	393	5.82	.05	10	1.80	2899	9	.07	34	1920	24	15	<20	26	.03	20	65	<10	17	169
9083A-84	S29	17 60	1.2	1.67	25	<2	90	<5	.48	1	37	31	174	5.70	.03	10	1.20	1595	8	.04	85	1590	12	15	<20	69	.03	10	91	<10	17	268
9083A-85	S29	18 70	1.4	1.66	25	<2	105	<5	.67	3	37	33	162	6.25	.06	10	1.25	1472	10	.09	91	1550	16	10	<20	98	.09	10	95	<10	18	280
9083A-86	S29	19 55	1.0	1.55	20	<2	80	<5	.60	2	33	33	152	5.66	.04	10	1.23	1453	8	.07	83	1560	10	10	<20	64	.07	<10	90	<10	16	266
9083A-87	S32	1 50	.4	2.54	20	<2	55	<5	.47	<1	27	30	88	5.60	.03	10	1.50	1554	4	.05	33	2160	16	15	<20	36	.11	<10	152	<10	16	149
9083A-88	S32	2 50	.6	2.88	30	<2	65	<5	.38	<1	25	27	73	6.12	.10	20	.97	838	7	.08	28	1560	26	15	<20	34	.27	20	106	<10	15	145
9083A-89	S32	3 45	.4	3.49	35	<2	55	<5	.49	<1	39	21	200	6.54	.31	10	1.65	1597	4	.06	21	2110	36	20	<20	31	.23	10	186	<10	10	126
9083A-90	S32	4 25	.2	3.76	15	<2	60	<5	.67	<1	39	21	146	7.24	.83	10	2.67	1576	4	.05	18	2250	18	20	<20	34	.18	20	273	<10	11	107
9083A-91	S32	5 20	<2	2.66	15	2	60	<5	1.13	<1	37	12	107	5.58	.84	<10	2.00	1107	4	.04	10	3050	10	15	<20	64	.13	10	173	<10	9	87
9083A-92	S32	6 35	.4	2.76	20	<2	55	<5	.25	<1	33	32	131	5.61	.06	10	1.06	1527	4	.04	28	1570	36	15	<20	47	.14	10	136	<10	10	125
9083A-93	S32	7 45	.4	2.85	20	<2	75	<5	.31	<1	30	19	100	5.78	.29	30	1.16	1483	6	.10	21	1800	24	20	<20	22	.18	20	118	<10	29	158
9083A-94	S34	8 45	1.2	.44	60	<2	200	<5	.87	<1	35	10	100	7.82	.06	10	.23	3707	2	.04	18	3170	22	25	<20	21	<10	20	110	<10	16	254
9083A-95	S34	9 25	.4	.62	35	<2	195	<5	1.00	<1	31	14	150	7.04	.08	10	.22	1664	4	.04	33	2590	22	15	<20	29	<10	20	136	<10	16	132
9083A-96	S34	10 30	.6	.41	60	<2	65	<5	.36	<1	16	12	76	4.78	.04	10	.21	1005	4	.05	25	1550	24	20	<20	16	<10	10	50	<10	11	138
9083A-97	S34	11 25	.8	.53	110	<2	355	<5	.97	<1	39	8	168	7.43	.05	10	.27	3137	4	.05	17	3840	22	20	<20	31	<10	<10	118	<10	25	132
9083A-98	S34	12 50	1.8	.43	110	<2	45	<5	.53	2	30	7	155	5.22	.07	10	.11	2063	1	.04	56	1960	112	15	<20	57	<10	30	35	<10	18	317
9083A-99	S35	5 20	.4	1.54	295	<2	300	<5	1.01	<1	30	72	293	4.35	.09	10	1.84	992	3	.09	68	2260	34	25	<20	93	.01	20	89	<10	17	92
9083A-100	S37	1 40	1.2	2.48	40	<2	995	<5	.29	<1	78	21	291	7.10	.01	10	.77	2848	6	.13	54	2050	54	20	<20	1065	.03	10	74	<10	18	216

ECO-TECH LABORATORIES LTD.

GRANGES EXPLORATION - ETS89-9083A

PAGE 4
ET#

DESCRIPTIONS	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN	
9083A-101 S37	2	25 .4	1.86	<5	<2	60	<5	.53	<1	<1	<1	93	<.01	.09	<10	.14	<1	<1	.12	<1	<10	20	<5	<20	34	.08	<10	59	<10	10	<1
9083A-102 S37	3	35 .4	1.85	25	<2	75	<5	.17	<1	23	14	59	4.85	.08	10	.59	1257	3	.07	19	1460	26	15	<20	21	.08	10	53	<10	11	92
9083A-103 S37	4	40 1.4	.92	45	<2	740	<5	.14	1	49	7	95	5.34	.06	<10	.30	3667	5	.04	27	940	46	25	<20	57	.01	20	28	<10	19	233
9083A-104 S37	5	15 .2	1.81	20	<2	55	<5	.24	<1	19	16	37	4.11	.08	10	.70	875	2	.10	17	1020	16	20	<20	21	.10	10	69	<10	8	76
9083A-105 S37 ✓	6	140 .4	2.04	105	<2	75	<5	.51	<1	31	23	79	6.07	.07	10	1.12	2273	4	.11	22	1690	30	215	<20	32	.10	20	133	<10	19	105
9083A-106 S37	7	70 1.4	2.37	50	<2	190	<5	.86	<1	70	21	131	6.52	.07	10	1.62	3944	3	.07	35	1830	36	20	<20	44	.03	10	98	<10	18	86
9083A-107 S37	8	30 .6	1.41	30	<2	145	<5	.40	<1	27	10	69	4.95	.07	10	.40	3050	3	.05	20	1030	28	25	<20	38	.01	20	46	<10	12	92
9083A-108 S37	9	60 .6	2.08	30	<2	70	<5	.09	1	27	12	53	5.34	.08	10	.44	2340	2	.05	17	1300	68	35	<20	8	.03	20	39	<10	16	408
9083A-109 S37	10	45 .4	2.56	35	<2	75	<5	.38	<1	29	16	83	5.01	.10	20	.92	1758	8	.14	23	1230	38	60	<20	31	.13	20	81	<10	21	121
9083A-110 S37	11	5 .4	2.21	25	<2	95	<5	.52	<1	40	21	152	5.33	.08	20	1.26	1923	3	.09	28	1550	30	10	<20	35	.04	10	89	<10	19	148
9083A-111 S37	12	20 .4	2.45	25	<2	65	<5	.22	<1	36	25	148	5.38	.07	10	1.16	1684	4	.06	28	1690	34	15	<20	16	.10	10	106	<10	16	154
9083A-112 S37	13	40 .4	3.17	30	<2	45	<5	.25	2	35	45	104	5.47	.07	10	1.65	1437	5	.04	25	1830	24	20	<20	19	.15	20	240	10	25	158
9083A-113 S37	14	55 .4	4.16	25	<2	95	<5	.28	1	36	48	71	7.00	.20	10	2.31	3702	5	.09	23	1940	24	20	<20	19	.17	10	257	<10	14	109
9083A-114 S37	15	70 .4	3.43	20	<2	60	<5	.47	<1	33	40	97	6.23	.17	10	2.16	1805	5	.07	20	2410	20	15	<20	40	.17	10	257	<10	14	109
9083A-115 S37	16	30 .2	2.91	25	<2	155	<5	.35	<1	41	40	115	5.52	.08	10	1.88	1536	14	.04	26	1890	24	25	<20	21	.08	30	224	10	12	98

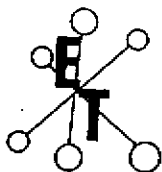
NOTE: < = LESS THAN

CC: E. BABOURY
GRANGES C/O JAYCOX IND.
BOX 3633, SMITHERS, B.C.
VOJ 2N0

FAX: JAYCOX
SC89/GRANGES134



ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 14, 1989

CERTIFICATE OF ANALYSIS ETK 89-508

GRANGES EXPLORATIONS LTD.
2300, 885 WEST GEORGIA ST.
VANCOUVER, B.C.
V6C 3E6

ZONE 1 GRID

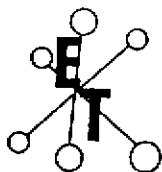
ATTENTION: GEORGE ZBITNOFF

SAMPLE IDENTIFICATION: 168 SOIL samples received JULY 28, 1989

PROJECT: P. 134

SHIPMENT NO: 2

ET#	Description	Au (ppb)
508 - 1	OX 00 BL LINE 600 N	10
508 - 2	LINE 600 N 100 E	<5
508 - 3	LINE 600 N 200 E	15
508 - 4	LINE 600 N 300 E	10
508 - 5	LINE 600 N 400 E	20
508 - 6	LINE 600 N 500 E	40
508 - 7	LINE 600 N 600 E	15
508 - 8	LINE 600 N 700 E	15
508 - 9	LINE 600 N 800 E	10
508 - 10	LINE 600 N 900 E	<5
508 - 11	LINE 600 N 100 E	15
508 - 12	LINE 600 N 200 E	<5
508 - 13	LINE 600 N 300 E	30
508 - 14	L 6 + 00 N 4 + 50 W	20
508 - 15	L 600 N 500 W	50
508 - 16	L 600 N 550 W	30
508 - 17	L 600 N 600 W	35
508 - 18	L 600 N 650 W	45
508 - 19	L 600 N 700 W	10
508 - 20	L 600 N 750 W	25
508 - 21	L 600 N 800 W	10
508 - 22	L 700 N 350 W	25
508 - 23	L 700 N 400 W	20
508 - 24	L 700 N 450 W	120
508 - 25	L 700 N 500 W	65
508 - 26	L 700 N 550 W	50
508 - 27	L 700 N 590 W	25
508 - 28	L 700 N 650 W	10
508 - 29	L 700 N 700 W	15
508 - 30	L 700 N 750 W	5



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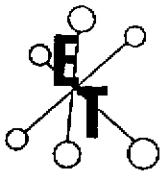
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

GRANGES EXPLORATIONS LTD.

AUGUST 14, 1989

ET#	Description	Au (ppb)
508 - 31	L 700 N 800 W	5
508 - 32	L 700 N 850 W	10
508 - 33	L 8 + 00 N 3 + 00 W	15
508 - 34	L 8 + 00 N 3 + 50 W	35
508 - 35	L 8 + 00 N 4 + 00 W	25
508 - 36	L 8 + 00 N 4 + 50 W	75
508 - 37	L 8 + 00 N 5 + 00 W	30
508 - 38	L 8 + 00 N 5 + 50 W	15
508 - 39	L 8 + 00 N 6 + 00 W	10
508 - 40	L 8 + 00 N 6 + 50 W	5
508 - 41	S 800 700 W	10
508 - 42	L 8 + 00 N 7 + 50 W	10
508 - 43	L 8 + 00 N 8 + 00 W	5
508 - 44	L 8 + 00 N 8 + 50 W	15
508 - 45	S 800 900 W	5
508 - 46	900 N 250 W	5
508 - 47	900 N 300 W	<5
508 - 48	900 N 350 W	40
508 - 49	900 N 400 W	420
508 - 50	900 N 450 W	20
508 - 51	900 N 500 W	20
508 - 52	900 N 550 W	10
508 - 53	900 N 600 W	15
508 - 54	900 N 650 W	30
508 - 55	900 N 700 W	25
508 - 56	900 N 750 W	15
508 - 57	L 9 + 00 N 8 + 00 W	15
508 - 58	L 9 + 00 N 8 + 50 W	25
508 - 59	L 9 + 00 N 9 + 00 W	10
508 - 60	1000 N 200 W	10
508 - 61	1000 N 250 W	15
508 - 62	1000 N 300 W	10
508 - 63	1000 N 350 W	15
508 - 64	1000 N 400 W	10
508 - 65	1000 N 450 W	25
508 - 66	1000 N 500 W	15
508 - 67	1000 N 550 W	5
508 - 68	1000 N 600 W	15
508 - 69	1000 N 650 W	20
508 - 70	1000 N 700 W	20
508 - 71	1000 N 750 W	5
508 - 72	1000 N 800 W	5
508 - 73	1000 N 850 W	<5
508 - 74	1000 N 900 W	5
508 - 75	1100 N 200 W	20



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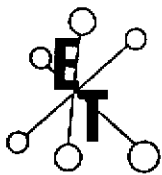
ASSAYING - ENVIRONMENTAL TESTING

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GRANGES EXPLORATIONS LTD.

AUGUST 14, 1989

ET#	Description	AU (ppb)
508 - 76	1100 N 250 W	10
508 - 77	1100 N 300 W	5
508 - 78	1100 N 350 W	10
508 - 79	1100 N 400 W	<5
508 - 80	1100 N 450 W	<5
508 - 81	1100 N 500 W	10
508 - 82	1100 N 550 W	10
508 - 83	1100 N 600 W	20
508 - 84	1100 N 650 W	15
508 - 85	1100 N 700 W	25
508 - 86	1100 N 750 W	20
508 - 87	1100 N 800 W	<5
508 - 88	1100 N 850 W	15
508 - 89	1100 N 900 W	5
508 - 90	1100 N 950 W	<5
508 - 91	S 1200 N 350 W	<5
508 - 92	S 1200 N 400 W	25
508 - 93	S 1200 N 450 W	10
508 - 94	S 1200 N 500 W	10
508 - 95	S 1200 N 550 W	10
508 - 96	S 1200 N 600 W	5
508 - 97	S 1200 N 650 W	5
508 - 98	S 1200 N 700 W	15
508 - 99	S 1200 N 750 W	60
508 - 100	S 1200 N 800 W	15
508 - 101	S 1200 N 850 W	30
508 - 102	S 1200 N 900 W	10
508 - 103	S 1200 N 950 W	5
508 - 104	1300 N 250 W	<5
508 - 105	1300 N 300 W	5
508 - 106	1300 N 350 W	15
508 - 107	1300 N 400 W	<5
508 - 108	1300 N 450 W	5
508 - 109	1300 N 500 W	10
508 - 110	1300 N 550 W	20
508 - 111	1300 N 600 W	10
508 - 112	1300 N 650 W	<5
508 - 113	1300 N 700 W	20
508 - 114	1300 N 750 W	20
508 - 115	1300 N 800 W	145
508 - 116	1300 N 850 W	60
508 - 117	1300 N 900 W	10
508 - 118	1300 N 950 W	10
508 - 119	1400 N 150 W	10
508 - 120	1400 N 200 W	15



ECO-TECH LABORATORIES LTD.

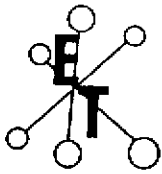
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GRANGES EXPLORATIONS LTD.

AUGUST 14, 1989

ET#	Description	Au (ppb)
508 - 121	1400 N 250 W	<5
508 - 122	1400 N 300 W	<5
508 - 123	1400 N 350 W	5
508 - 124	1400 N 400 W	10
508 - 125	1400 N 450 W	5
508 - 126	1400 N 500 W	<5
508 - 127	1400 N 550 W	<5
508 - 128	1400 N 600 W	<5
508 - 129	1400 N 650 W	5
508 - 130	1400 N 700 W	10
508 - 131	1400 N 750 W	50
508 - 132	1400 N 800 W	15
508 - 133	1400 N 850 W	20
508 - 134	1400 N 900 W	20
508 - 135	S 19 1	10
508 - 136	S 19 2	5
508 - 137	S 19 3	10
508 - 138	S 19 4	15
508 - 139	S 19 5	<5
508 - 140	S 27 1	5
508 - 141	S 27 2	25
508 - 142	S 27 3	5
508 - 143	S 27 4	5
508 - 144	S 27 5	10
508 - 145	S 27 6	25
508 - 146	S 27 7	5
508 - 147	S 27 8	75
508 - 148	S 27 9	100
508 - 149	S 27 10	30
508 - 150	S 27 11	15
508 - 151	S 27 12	35
508 - 152	S 28 1	30
508 - 153	S 28 2	15
508 - 154	S 28 3	40
508 - 155	S 28 4	15
508 - 156	S 28 5	20
508 - 157	S 28 6	5
508 - 158	S 28 7	280
508 - 159	S 28 8	10
508 - 160	S 31 1	15
508 - 161	S 31 2	5
508 - 162	S 31 3	20
508 - 163	S 31 4	70
508 - 164	S 31 5	25
508 - 165	S 31 6	30



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GRANGES EXPLORATIONS LTD.

AUGUST 14, 1989

ET#	Description	Au (ppb)
508 - 166	S 31 7	40
508 - 167	S 31 8	5
508 - 168	SS 27 1	10

NOTE: < = less than


ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER

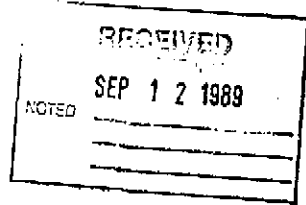
CC: GRANGES INC.
C/O JAYCOX INDUSTRIES
BOX 3633, SMITHERS, B.C.
VOJ 2N0
FAX: E-T, STEWART
SC89/GRANGES

ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

GRANGES EXPLORATION - ETK89-508A

2300 - 885 WEST GEORGIA STREET
VANCOUVER, B.C.
6C 3E8



SEPTEMBER 6, 1989

ATTENTION: GEORGE ZBITNOFF

VALUES IN PPM UNLESS OTHERWISE REPORTED

PROJECT: P. 134
168 SOIL SAMPLES RECEIVED JULY 26, 1989

E#	DESCRIPTIONS	AG AL(X)		AS		B	BA	BI	CA(X)	CD	CO	CR	CU	FE(X)	K(X)	LA	MG(X)	MN	MO	NA(X)	NI	P	PB	SB	SN	SR	TI(X)	U	V	W	Y	ZN
		1	2	1	2																											
508 A-	1 O X QOBL LINE 600N	<.2	1.42	10	<2	5	<5	.18	<1	21	22	74	4.77	.21	10	1.17	742	<1	.14	17	2740	12	10	<20	77	.04	10	146	<10	9	72	
508 A-	2 LINE 600N 100E	<.2	1.76	15	<2	110	<5	.96	<1	22	16	76	5.08	.32	10	1.39	934	<1	.15	17	2790	10	10	<20	75	.05	30	159	10	9	70	
508 A-	3 LINE 600N 200E	<.2	1.52	10	<2	95	<5	.79	<1	18	21	66	4.57	.16	<10	1.23	766	<1	.13	21	2180	14	5	<20	58	.07	30	115	10	9	83	
508 A-	4 LINE 600N 300E	<.2	1.50	15	<2	80	<5	.80	<1	22	23	65	4.61	.14	10	1.15	701	<1	.10	21	2500	10	10	<20	62	.05	20	117	10	10	76	
508 A-	5 LINE 600N 400E	<.2	1.55	15	<2	110	<5	.82	<1	22	23	76	5.24	.19	10	1.26	867	<1	.10	21	2520	14	10	<20	61	.03	20	143	10	10	84	
508 A-	6 LINE 600N 500E	<.2	2.89	25	<2	45	<5	.15	<1	20	33	39	4.80	.04	10	.75	1101	1	.05	20	970	12	10	<20	9	.06	20	93	<10	10	84	
508 A-	7 LINE 600N 600E	<.2	1.64	20	<2	80	<5	.53	<1	18	39	60	4.49	.03	10	1.22	782	<1	.04	31	1860	14	10	<20	39	.06	40	111	20	13	84	
508 A-	8 LINE 600N 700E	2.0	2.04	30	<2	65	<5	.46	<1	17	29	63	5.48	.05	20	.88	702	1	.03	23	2130	22	10	<20	25	.06	50	95	<10	27	120	
508 A-	9 LINE 600N 800E	<.2	1.63	5	<2	45	<5	.77	<1	23	46	77	4.46	.24	<10	1.73	797	<1	.06	31	2240	8	15	<20	39	.06	30	136	<10	7	55	
508 A-	10 LINE 600N 900E	<.2	.60	5	<2	<5	<5	.01	<1	23	47	63	4.28	.26	<10	1.74	736	<1	.08	27	2080	8	15	<20	6	.07	<10	123	<10	7	65	
508 A-	11 LINE 600N 1000E	<.2	1.79	15	<2	100	<5	.94	<1	29	30	81	4.92	.33	10	1.30	1010	<1	.16	21	2880	12	20	<20	57	.06	30	123	10	9	107	
508 A-	12 LINE 600N 200E	<.2	1.44	10	<2	65	<5	1.10	2	20	24	60	4.52	.30	10	.97	803	<1	.14	17	2650	20	20	<20	59	.04	20	102	<10	8	89	
508 A-	13 LINE 600N 300E	<.2	1.12	30	<2	65	<5	.30	<1	19	13	32	5.39	.12	<10	.80	1319	1	.10	9	1190	134	20	<20	18	.07	20	77	20	9	312	
508 A-	14 L 6+ 600N 4+ 50W	<.2	1.66	25	<2	110	<5	.77	<1	21	31	52	4.63	.26	10	1.10	1006	<1	.09	18	2990	46	20	<20	43	.05	10	114	10	10	109	
508 A-	15 L 600N 500W	<.2	1.78	30	<2	105	<5	.80	<1	22	30	60	5.47	.29	10	1.22	1185	<1	.09	19	2830	50	20	<20	44	.05	40	122	10	12	142	
508 A-	16 L 600N 550W	.2	1.99	35	<2	85	<5	.63	<1	28	17	45	7.12	.14	10	1.36	1982	<1	.09	13	2210	94	35	<20	33	.07	40	123	10	17	167	
508 A-	17 L 600N 600W	<.2	1.49	30	<2	95	<5	.70	<1	21	25	51	4.99	.17	10	1.05	1116	<1	.08	17	2560	48	30	<20	39	.06	60	99	10	11	112	
508 A-	18 L 600N 650W	<.2	1.45	25	<2	90	<5	.77	<1	21	29	54	4.56	.20	10	1.07	991	<1	.10	21	2770	18	25	<20	46	.05	20	99	<10	11	89	
508 A-	19 L 600N 700W	<.2	1.07	10	<2	60	<5	3.46	<1	19	26	65	3.66	.12	10	.94	882	<1	.06	26	2810	12	20	<20	137	.04	70	75	10	10	71	
508 A-	20 L 600N 750W	<.2	1.44	35	<2	55	<5	1.29	<1	21	27	66	4.76	.27	10	1.20	870	<1	.14	24	2320	10	30	<20	59	.07	<10	101	10	8	94	
508 A-	21 L 600N 800W	.8	1.22	20	58	80	<5	3.15	1	17	19	67	3.60	.11	<10	1.04	804	4	.09	24	1660	14	10	<20	124	.05	30	64	10	10	103	
508 A-	22 L 700N 350W	1.0	1.48	35	10	85	<5	.53	1	19	18	58	4.58	.13	<10	1.03	1227	4	.10	12	1870	138	10	<20	32	.08	20	83	20	11	348	
508 A-	23 L 700N 400W	.6	1.63	20	<2	100	<5	.71	1	16	23	51	4.32	.22	10	1.12	866	5	.09	21	2180	52	15	<20	40	.05	20	97	10	11	134	
508 A-	24 L 700N 450W	1.0	1.71	45	<2	130	<5	.78	1	18	22	62	4.52	.20	10	1.09	993	4	.08	21	1940	50	15	<20	39	.03	30	87	10	12	172	
508 A-	25 L 700N 500W	.8	1.68	40	<2	125	<5	.75	1	17	21	59	4.49	.24	10	1.06	958	4	.09	19	2060	34	10	<20	41	.04	40	85	10	12	143	
508 A-	26 L 700N 550W	.8	1.58	45	<2	115	<5	1.45	1	18	24	62	3.88	.23	<10	1.12	827	2	.10	21	2010	20	10	<20	60	.04	30	87	<10	10	112	

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ETA	DESCRIPTIONS	AG	AL (%)	(AS)	B	BA	BI	CA (%)	CD	CO	CR	CU	FE (%)	K (%)	LA	MG (%)	MN	MO	NA (%)	NJ	P	PB	SB	SN	SR	TI (%)	U	V	W	Y	ZN
508 A- 27	L 700N 590W	.4	1.28	25	<2	75	<5	.80	<1	13	22	55	3.33	.24	<10	.96	610	3	.09	16	2110	12	10	<20	46	.03	30	77	10	8	84
508 A- 28	L 700N 650W	.8	1.44	15	<2	10	<5	1.93	1	22	25	70	3.74	.17	<10	1.20	800	4	.13	32	1750	10	10	<20	80	.07	30	82	<10	10	98
508 A- 29	L 700N 700W	1.0	1.53	40	<2	100	<5	2.35	1	17	27	70	3.88	.22	10	1.18	861	6	.11	26	1950	10	10	<20	84	.06	40	89	10	9	116
508 A- 30	L 700N 750W	.6	1.46	15	<2	60	<5	1.47	<1	15	21	51	3.66	.24	<10	1.13	725	3	.10	15	1590	8	5	<20	58	.03	40	82	10	8	91
508 A- 31	L 700N 800W	.6	.97	20	<2	40	<5	2.76	1	16	20	59	2.85	.12	10	.89	673	3	.08	20	1790	6	5	<20	108	.03	<10	56	<10	9	79
508 A- 32	L 700N 850W	.4	1.18	25	<2	65	<5	2.87	1	14	21	59	2.97	.16	<10	.96	673	2	.07	17	1870	8	15	<20	121	.04	30	70	<10	9	82
508 A- 33	L 8+ 00N 3+ 00W	.6	2.06	30	<2	70	<5	.18	<1	14	28	51	4.35	.05	<10	.80	925	2	.04	31	710	22	15	<20	10	.03	30	87	10	7	90
508 A- 34	L 8+ 00N 3+ 50W	.8	2.82	80	<2	40	<5	.09	<1	15	28	37	5.50	.05	10	.68	616	4	.04	20	630	26	20	<20	7	.07	60	91	10	11	96
508 A- 35	L 8+ 00N 4+ 00W	.8	1.69	35	<2	90	<5	.77	1	20	27	65	4.35	.23	10	1.16	829	4	.10	21	1890	20	15	<20	41	.08	10	100	10	10	127
508 A- 36	L 8+ 00N 4+ 50W	.4	1.51	45	<2	95	<5	.78	1	18	21	59	3.71	.24	<10	1.05	848	3	.09	19	2040	14	10	<20	42	.04	<10	85	10	9	104
508 A- 37	L 8+ 00N 5+ 00W	.6	1.60	30	<2	105	<5	.85	<1	19	24	68	4.20	.24	<10	1.15	843	3	.10	22	2140	16	10	<20	50	.06	50	90	<10	10	121
508 A- 38	L 8+ 00N 5+ 50W	.8	1.72	20	<2	100	<5	1.04	1	24	26	70	4.35	.28	<10	1.35	873	4	.19	29	1800	10	15	<20	65	.12	30	98	10	10	109
508 A- 39	L 8+ 00N 6+ 00W	.2	1.90	35	6	110	<5	1.56	<1	19	32	87	4.69	.22	20	1.39	898	4	.09	26	1960	16	20	40	72	.10	40	127	<10	11	143
508 A- 40	L 8+ 00N 6+ 50W	1.0	1.92	45	<2	145	<5	2.69	<1	24	34	104	4.51	.19	20	1.35	950	<1	.10	36	2260	18	15	40	113	.14	40	122	20	12	167
508 A- 41	S 800 700W	1.0	1.78	35	12	115	<5	3.15	<1	25	41	122	4.72	.15	20	1.41	1025	8	.09	51	2280	18	15	60	120	.14	70	111	20	12	182
508 A- 42	L 8+ 00N 7+ 50W	1.0	1.48	25	16	120	<5	5.46	<1	21	27	117	4.17	.10	20	1.25	960	4	.08	34	2790	16	15	40	235	.13	30	92	<10	14	142
508 A- 43	L 8+ 00N 8+ 00W	.6	1.69	45	4	115	<5	3.56	<1	18	29	93	4.24	.16	20	1.26	892	4	.07	28	1980	20	20	40	158	.11	20	103	10	12	186
508 A- 44	L 8+ 00N 8+ 50W	1.6	1.74	60	14	115	<5	3.73	<1	27	30	112	4.91	.10	20	1.35	1094	6	.09	45	1780	18	20	40	149	.11	30	91	10	13	201
508 A- 45	S 800 900W	1.8	1.70	70	14	115	<5	2.58	<1	23	26	88	5.28	.10	20	1.41	1219	1	.08	36	1750	24	15	40	118	.14	10	95	10	13	199
508 A- 46	900N 250W	.8	2.89	20	<2	70	<5	.26	<1	17	35	52	5.51	.05	20	.88	632	9	.07	30	1120	22	20	60	24	.22	50	129	20	9	110
508 A- 47	900N 300W	1.2	2.46	40	<2	130	<5	.96	<1	32	18	34	7.00	.10	30	1.17	3583	9	.20	25	1340	36	15	60	83	.38	50	108	20	28	175
508 A- 48	900N 350W	1.0	2.71	165	<2	70	<5	.51	<1	18	29	50	6.37	.07	20	1.18	758	5	.15	34	840	42	20	40	42	.22	10	101	10	13	156
508 A- 49	900N 400W	5.0	2.58	900	10	140	<5	.06	<1	80	8	401.5E+0	.13	30	.97	8727	4	.05	1	2770	46	55	60	14	.03	40	119	50	16	586	
508 A- 50	900N 450W	.8	2.09	55	2	150	<5	1.50	<1	24	35	115	4.90	.29	20	1.46	1004	3	.10	33	2590	16	15	40	85	.15	30	134	20	12	188
508 A- 51	900N 500W	1.2	2.10	35	8	155	<5	1.40	<1	32	34	116	5.44	.26	20	1.59	1176	4	.14	41	2420	16	20	40	86	.20	30	138	20	13	187
508 A- 52	900N 550W	.6	1.61	25	6	105	<5	1.12	<1	21	31	82	4.17	.19	20	1.37	776	6	.11	29	2350	12	10	40	67	.14	30	106	10	11	126
508 A- 53	900N 600W	1.2	1.84	80	14	140	<5	1.83	<1	28	38	123	5.50	.20	20	1.50	1014	4	.11	38	2320	16	15	40	76	.16	30	124	20	13	183
508 A- 54	900N 650W	1.0	1.91	60	2	120	<5	1.45	<1	25	29	126	5.62	.26	20	1.46	1008	1	.09	31	2580	18	25	40	81	.15	50	131	10	11	180
508 A- 55	900N 700W	.6	1.52	85	4	120	<5	1.87	<1	18	30	92	4.57	.20	20	1.24	844	3	.10	28	2250	22	10	40	89	.11	50	105	10	10	182
508 A- 56	900N 750W	.8	1.77	50	2	115	<5	3.16	<1	23	31	109	4.78	.16	20	1.28	993	5	.10	38	1860	14	20	40	143	.12	30	95	<10	12	182
508 A- 57	L 9+ 00N 8+ 00W	2.2	1.68	95	<2	125	<5	1.73	<1	24	27	87	4.67	.12	20	1.17	1093	1	.09	29	2100	22	15	40	87	.10	70	99	20	13	188
508 A- 58	L 9+ 00N 8+ 50W	1.2	1.58	55	10	125	<5	1.28	<1	21	24	92	4.99	.11	20	1.19	1071	2	.21	33	2010	18	20	40	69	.12	30	83	<10	13	184
508 A- 59	L 9+ 00N 9+ 00W	1.0	1.72	30	10	85	<5	1.22	<1	33	19	52	5.16	.13	20	1.51	1065	4	.07	25	1640	14	10	60	78	.26	10	88	10	13	137
508 A- 60	1000N 200W	4.2	3.13	25	4	145	<5	.13	<1	24	26	85	13.46	.05	70	.57	10000	10	.06	11	1330	46	30	80	15	.26	40	97	40	69	427
508 A- 61	1000N 250W	.4	2.96	30	4	125	<5	.15	<1	18	43	63	5.60	.06	20	1.04	662	6	.05	36	960	12	15	40	12	.06	10	127	<10	16	115
508 A- 62	1000N 300W	.4	2.82	30	<2	70	<5	.18	<1	12	32	49	4.96	.06	20	.80	470	6	.08	25	730	18	20	40	10	.08	40	88	10	12	108
508 A- 63	1000N 350W	.8	2.14	35	4	65	<5	.35	<1	20	20	26	4.22	.07	10	.66	866	5	.09	17	1130	14	15	40	23	.12	<10	80	10	8	76

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ET#	DESCRIPTIONS	P																													
		AG	AL(Z)	(AS)	B	BA	B1	CA(Z)	CD	CD	CR	CU	FE(Z)	K(Z)	LA	MG(Z)	MN	MO	NA(Z)	NI	P	PB	SB	SN	SR	TI(Z)	U	V	W	Y	ZN
508 A- 64	1000N 400W	.8	2.79	25	10	55	<5	.24	<1	20	22	21	5.87	.06	20	.53	1095	6	.07	12	1110	12	15	80	17	.38	<10	109	<10	11	90
508 A- 65	1000N 450W	.8	1.37	20	12	85	<5	.93	<1	20	26	64	3.97	.11	10	1.03	820	4	.07	28	2020	6	10	40	44	.11	20	91	10	11	102
508 A- 66	1000N 500W	.6	1.71	30	8	115	<5	2.02	<1	23	33	86	4.57	.18	20	1.42	954	<1	.07	29	2310	14	20	40	76	.12	70	102	20	12	147
508 A- 67	1000N 550W	.8	1.60	20	6	90	<5	2.21	<1	20	33	85	4.42	.16	20	1.34	919	3	.09	40	2140	2	5	40	76	.12	20	107	10	12	114
508 A- 68	1000N 600W	.6	1.64	40	20	110	<5	1.24	<1	24	27	76	4.35	.14	20	1.23	930	5	.10	27	2290	6	10	40	59	.13	40	100	<10	12	135
508 A- 69	1000N 650W	.2	1.68	35	14	110	<5	1.35	<1	26	25	75	4.55	.22	10	1.26	929	5	.09	27	2370	22	10	40	66	.12	<10	108	20	11	127
508 A- 70	1000N 700W	.4	1.72	75	14	125	<5	1.44	<1	21	25	82	3.93	.21	20	1.26	797	5	.08	26	2170	20	15	40	61	.12	<10	103	10	13	154
508 A- 71	1000N 750W	.4	1.64	35	10	105	<5	3.22	<1	21	27	82	4.49	.17	20	1.22	915	2	.08	27	2020	16	10	40	114	.10	50	96	10	11	146
508 A- 72	1000N 800W	1.4	1.47	50	14	95	<5	1.77	<1	22	20	66	4.26	.13	20	1.16	903	2	.12	21	1910	14	20	40	76	.11	20	81	10	12	150
508 A- 73	1000N 850W	2.4	1.53	40	14	110	<5	1.15	<1	23	18	55	4.97	.11	10	1.22	1051	4	.07	21	1960	16	5	40	64	.18	<10	73	<10	13	144
508 A- 74	1000N 900W	1.0	1.65	45	10	125	<5	1.51	<1	25	21	64	5.46	.09	20	1.17	1177	5	.08	27	1890	16	15	40	69	.13	20	83	10	14	192
508 A- 75	1100N 200W	.4	2.48	20	4	65	<5	.30	<1	18	32	46	4.70	.08	20	1.03	510	5	.06	26	1470	20	20	60	22	.21	10	92	10	16	118
508 A- 76	1100N 250W	.6	1.88	25	12	90	<5	.61	<1	25	26	58	5.00	.07	10	1.26	1059	3	.13	34	1330	14	15	40	39	.15	40	92	10	16	120
508 A- 77	1100N 300W	<2	1.69	30	<2	75	<5	.32	<1	21	31	56	4.67	.05	20	1.04	1283	3	.05	30	1330	24	5	20	19	.07	30	82	<10	15	95
508 A- 78	1100N 350W	.6	2.39	40	<2	55	<5	.14	<1	14	36	38	6.36	.04	10	.93	970	3	.04	22	1230	28	15	20	9	.05	40	106	<10	8	95
508 A- 79	1100N 400W	5.4	.39	5	<2	275	<5	.45	1	10	6	8	1.46	.10	<10	.13	5688	2	.05	5	900	18	5	<20	21	.07	30	115	<10	2	66
508 A- 80	1100N 450W	.8	1.65	30	<2	115	<5	.27	<1	19	9	11	6.87	.05	20	.22	3393	9	.06	4	2320	28	15	20	13	.01	50	61	<10	19	151
508 A- 81	1100N 500W	1.0	4.08	35	<2	50	<5	.07	<1	11	27	41	6.04	.06	30	.48	526	5	.08	20	780	24	25	40	4	.05	<10	44	10	17	113
508 A- 82	1100N 550W	.8	1.91	25	<2	170	<5	.51	<1	29	27	33	5.96	.08	20	.84	2925	6	.05	19	2420	32	10	20	30	.07	<10	92	<10	19	124
508 A- 83	1100N 600W	.6	1.81	35	4	90	<5	1.11	<1	26	36	80	5.24	.16	20	1.35	1164	3	.04	31	2520	20	10	20	50	.10	10	116	<10	12	140
508 A- 84	1100N 650W	.6	1.73	30	10	105	<5	1.48	<1	25	33	65	5.00	.19	20	1.30	1176	5	.04	23	2480	24	15	20	63	.10	<10	114	<10	12	133
508 A- 85	1100N 700W	.4	1.79	40	6	110	<5	1.19	<1	25	32	81	5.42	.18	20	1.36	1192	2	.04	25	2480	20	15	20	57	.12	20	122	<10	12	140
508 A- 86	1100N 750W	.8	1.62	60	2	145	<5	1.19	1	23	34	81	5.19	.21	20	1.33	952	4	.04	23	2550	24	10	20	58	.11	<10	119	<10	11	113
508 A- 87	1100N 800W	.8	1.49	30	4	90	<5	1.07	1	21	23	60	4.80	.12	20	1.05	1162	3	.03	24	2450	24	10	20	52	.10	20	93	<10	13	121
508 A- 88	1100N 850W	1.6	1.51	40	<2	100	<5	1.14	1	23	25	61	5.86	.11	20	1.21	1407	3	.05	24	2110	20	15	20	49	.09	40	90	<10	15	145
508 A- 89	1100N 900W	1.4	1.49	10	<2	100	<5	1.06	1	26	17	39	5.60	.12	20	1.35	1128	5	.04	18	1830	16	10	20	75	.21	<10	82	<10	15	143
508 A- 90	1100N 950W	.6	1.76	5	<2	85	<5	1.13	<1	37	24	42	5.91	.11	20	1.80	1085	1	.04	33	1520	16	10	40	80	.29	20	95	<10	14	126
508 A- 91 S	1200N 350W	.2	1.82	10	<2	35	<5	.12	<1	10	16	14	3.85	.03	10	.35	263	3	.05	8	580	12	15	20	8	.16	40	75	<10	4	38
508 A- 92 S	1200N 400W	1.6	2.37	125	<2	235	<5	.25	<1	24	28	35	10.24	.02	40	.82	8039	8	.05	20	2090	36	20	40	20	.12	70	104	<10	43	212
508 A- 93 S	1200N 450W	1.2	2.83	5	<2	60	<5	.11	<1	25	25	21	6.07	.06	20	.42	3478	8	.06	8	3380	18	20	20	10	.11	10	106	<10	15	79
508 A- 94 S	1200N 500W	1.0	1.30	5	<2	155	<5	.21	<1	18	12	8	7.51	.02	10	.12	5714	5	.04	4	1530	22	10	20	13	.06	60	85	<10	4	95
508 A- 95 S	1200N 550W	.6	2.38	10	<2	90	<5	.85	<1	31	25	25	7.24	.09	30	1.26	1334	5	.03	18	1570	24	10	40	60	.29	20	103	<10	27	141
508 A- 96 S	1200N 600W	.2	2.04	15	<2	75	<5	.12	<1	28	34	29	5.47	.05	10	.44	2988	7	.03	13	2650	26	15	20	8	.04	10	124	<10	9	115
508 A- 97 S	1200N 650W	.2	2.15	25	<2	95	<5	.56	<1	18	29	45	4.94	.07	20	.93	766	4	.04	22	1360	20	10	20	30	.05	60	97	<10	13	129
508 A- 98 S	1200N 700W	.6	1.87	25	<2	90	<5	2.66	<1	18	33	63	4.76	.16	20	1.31	956	2	.04	20	2070	16	10	20	98	.08	40	108	<10	11	113
508 A- 99 S	1200N 750W	.4	1.99	20	4	110	<5	.93	<1	19	31	64	4.72	.22	20	1.30	944	1	.04	18	2280	18	15	20	45	.09	40	120	<10	11	106
508 A- 100 S	1200N 800W	.2	1.83	20	4	85	<5	1.11	<1	23	29	49	4.54	.16	20	1.29	739	3	.04	19	2100	18	10	20	57	.14	20	104	<10	10	139

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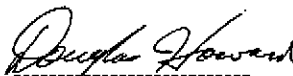
ETA	DESCRIPTIONS	AG	AL(X)	AS	B	BA	BI	CA(X)	CD	CO	CR	CU	FE(X)	K(X)	LA	MG(X)	MN	MO	NA(X)	NI	P	PB	SB	SN	SR	TI(X)	U	V	W	Y	ZN
508 A- 101	S 1200N 850W	.8	1.83	50	6	105	<5	1.22	<1	36	23	44	6.31	.14	20	1.65	1471	4	.04	22	1600	22	15	40	81	.29	60	103	<10	16	179
508 A- 102	S 1200N 900W	.2	1.51	20	6	70	<5	1.80	<1	17	25	46	3.86	.13	10	1.07	828	4	.04	17	1930	12	5	20	75	.11	60	85	<10	9	85
508 A- 103	S 1200N 950W	.6	1.55	25	<2	90	<5	.97	<1	29	22	47	6.03	.08	20	1.37	1333	6	.03	23	1620	24	15	20	63	.20	30	75	<10	15	145
508 A- 104	1300N 250W	.4	2.43	35	<2	60	<5	.76	<1	32	27	27	6.15	.11	20	1.36	1611	4	.03	18	1530	22	20	20	57	.31	50	98	<10	12	105
508 A- 105	1300N 300W	.2	2.22	20	<2	95	<5	.26	<1	18	24	22	7.21	.05	20	.56	2174	7	.02	12	1520	22	20	20	17	.04	60	97	<10	13	99
508 A- 106	1300N 350W	.4	2.67	20	<2	75	<5	.32	<1	18	27	25	6.00	.05	20	.72	1293	6	.05	14	1390	26	20	20	23	.13	80	90	<10	28	129
508 A- 107	1300N 400W	.4	2.38	5	<2	80	<5	.37	<1	14	14	7	5.72	.06	10	.50	1067	7	.03	9	1500	16	15	20	26	.11	80	58	<10	9	68
508 A- 108	1300N 450W	.4	3.26	25	<2	45	<5	.18	<1	16	43	34	6.24	.02	10	.63	856	7	.04	22	1460	22	20	20	8	.04	40	82	<10	9	63
508 A- 109	1300N 500W	.4	2.86	20	<2	65	<5	.16	<1	18	37	36	5.52	.04	10	.80	1039	8	.04	24	1060	18	15	20	13	.06	40	81	<10	8	99
508 A- 110	1300N 550W	.4	2.29	30	<2	125	<5	.25	<1	26	38	58	5.24	.04	10	.89	1486	5	.03	31	1240	18	20	20	14	.03	70	108	<10	9	99
508 A- 111	1300N 600W	.8	1.04	85	<2	110	<5	.06	<1	33	16	13	>15.	.13	20	.33	4479	6	.04	9	4510	24	40	20	16	.07	70	81	<10	13	109
508 A- 112	1300N 650W	1.2	1.50	10	<2	75	<5	.06	<1	28	13	<1	>15.	.05	30	.31	4788	15	.03	7	2930	22	25	40	8	.05	60	96	10	33	571
508 A- 113	1300N 700W	.4	2.16	20	<2	100	<5	.46	<1	27	40	57	6.13	.06	20	.99	1739	6	.03	44	1610	18	15	20	24	.04	70	80	<10	25	201
508 A- 114	1300N 750W	.6	2.13	35	8	95	<5	1.01	<1	24	32	70	5.57	.19	20	1.40	1229	3	.04	23	2410	18	20	20	52	.12	70	117	<10	15	175
508 A- 115	1300N 800W	.4	1.76	50	12	185	<5	1.15	<1	26	26	62	5.29	.22	20	1.09	1191	1	.10	21	2240	30	10	20	58	.17	20	116	<10	12	126
508 A- 116	1300N 850W	1.2	1.57	40	10	110	<5	1.02	<1	26	22	43	4.78	.20	20	1.16	1320	4	.16	17	1880	26	10	20	62	.20	50	86	<10	12	116
508 A- 117	1300N 900W	.8	1.24	30	10	115	<5	.77	<1	21	15	34	4.86	.14	20	.83	1385	5	.09	14	2070	22	10	20	46	.14	50	67	<10	16	120
508 A- 118	1300N 950W	1.0	1.77	30	10	150	<5	1.04	<1	35	16	68	6.18	.13	20	1.45	1353	4	.24	47	1720	18	10	40	74	.27	20	84	<10	15	173
508 A- 119	1400N 150W	1.2	2.70	15	4	85	<5	.28	<1	14	22	17	3.62	.08	10	.50	876	6	.11	11	1410	24	10	40	24	.15	20	82	<10	7	67
508 A- 120	1400N 200W	3.2	2.15	120	<2	65	<5	.07	<1	25	18	12	8.62	.07	20	.22	3232	5	.06	5	1530	26	15	20	8	.03	60	123	<10	9	84
508 A- 121	1400N 250W	.8	1.53	15	2	165	<5	.70	1	33	9	10	8.33	.14	30	.99	4348	6	.22	12	1590	22	15	40	57	.21	30	68	<10	23	144
508 A- 122	1400N 300W	1.2	1.31	105	<2	260	<5	.49	<1	37	8	7	13.12	.13	40	.48	7670	9	.10	5	3040	34	35	40	39	.07	80	66	<10	44	148
508 A- 123	1400N 350W	1.2	2.44	45	<2	120	<5	.24	<1	25	14	6	11.82	.11	30	.53	7295	9	.10	10	3270	30	25	40	26	.10	80	90	10	25	148
508 A- 124	1400N 400W	.6	2.64	15	<2	80	<5	.19	<1	22	25	14	7.00	.07	20	.47	1498	2	.08	10	1670	26	40	40	18	.24	40	124	<10	12	99
508 A- 125	1400N 450W	1.0	1.15	5	4	70	<5	.22	<1	7	5	10	1.87	.05	10	.11	122	1	.06	4	1200	6	<5	20	22	.11	40	24	<10	5	40
508 A- 126	1400N 500W	1.6	1.06	25	<2	230	<5	1.12	<1	42	6	6	14.93	.09	30	.65	8052	8	.05	8	3000	34	30	40	52	.05	80	117	10	54	341
508 A- 127	1400N 550W	1.8	1.41	35	<2	220	<5	.75	<1	43	5	1	>15.	.11	40	.33	8075	12	.05	4	3830	38	45	60	45	.05	60	101	10	50	297
508 A- 128	1400N 600W	.4	2.14	15	<2	<5	<5	.07	<1	23	18	22	6.71	.08	20	.69	3327	4	.09	17	2030	18	15	20	44	.10	120	89	<10	21	160
508 A- 129	1400N 650W	.6	2.10	25	<2	55	<5	.90	<1	34	11	10	14.97	.08	40	.75	3578	10	.11	9	3630	32	25	40	48	.12	80	123	10	67	330
508 A- 130	1400N 700W	.6	1.79	25	<2	110	<5	.41	<1	36	16	16	12.63	.08	30	.62	4284	15	.07	14	2810	28	30	40	29	.08	60	98	<10	43	255
508 A- 131	1400N 750W	.4	1.50	35	12	125	<5	2.40	2	22	25	61	4.54	.19	20	1.07	1036	4	.07	23	2110	22	10	20	101	.15	50	109	<10	12	122
508 A- 132	1400N 800W	.4	.32	35	34	5	<5	<.01	<1	21	24	57	4.85	.18	20	1.19	1255	<1	.09	20	2780	16	15	20	3	.21	100	151	<10	15	130
508 A- 133	1400N 850W	.6	1.65	30	6	130	<5	1.23	<1	28	25	63	4.99	.20	20	1.36	1274	4	.15	20	2380	20	15	40	73	.23	50	118	<10	13	112
508 A- 134	1400N 900W	.8	.11	65	38	5	<5	<.01	<1	27	27	98	5.55	.25	10	1.42	1311	1	.11	28	3030	30	25	40	1	.23	50	181	10	16	141
508 A- 135	S 19 1	.4	1.64	45	<2	230	<5	.61	<1	37	26	159	7.57	.16	30	.92	1643	6	.07	49	1900	26	20	20	51	.02	50	110	<10	15	158
508 A- 136	S 19 2	1.2	<.01	120	22	10	<5	<.01	<1	28	13	121	6.22	.17	<10	.32	1502	<1	.04	45	2320	36	35	20	<1	<.01	20	87	<10	1	214

ETA	DESCRIPTIONS	AG	AL(X)	AS	B	BA	BI	CA(X)	CD	CO	CR	CU	FE(X)	K(Z)	LA	MG(X)	MN	MO	NA(X)	NI	P	PB	SB	SN	SR	TI(X)	U	V	W	Y	ZN
508 A-137 S	19 3	.2	1.14	235	28	5	<5	<.01	<1	50	41	133	7.96	.12	20	.35	2388	<1	.03	87	1950	36	65	20	6	.01	60	121	<10	22	195
508 A-138 S	19 4	.6	2.03	150	30	5	<5	.02	<1	37	36	122	7.79	.11	30	.95	1665	<1	.04	51	1880	40	65	20	59	.09	<10	139	<10	24	204
508 A-139 S	19 5	.4	1.34	80	2	190	<5	.92	1	26	50	124	6.13	.09	20	.91	1178	3	.09	55	2210	30	15	20	66	.02	50	100	<10	15	145
508 A-140 S	27 1	1.0	1.58	70	38	145	<5	.91	<1	34	17	94	6.39	.09	20	1.03	1609	<1	.17	38	1670	40	70	20	67	.19	30	111	<10	17	183
508 A-141 S	27 2	.4	.85	120	40	5	<5	.01	<1	32	16	167	6.74	.14	20	.31	1544	<1	.06	50	2520	36	55	20	61	.01	30	100	10	18	201
508 A-142 S	27 3	.8	.21	145	40	5	<5	<.01	1	31	12	130	6.35	.09	20	.36	1560	<1	.05	45	2050	42	65	20	4	.02	<10	79	<10	18	267
508 A-143 S	27 4	.8	1.30	150	2	270	<5	.85	1	47	37	136	8.44	.13	20	.78	2092	5	.06	60	2370	32	25	20	55	.06	50	131	<10	21	186
508 A-144 S	27 5	1.2	.85	140	6	135	<5	.81	<1	34	13	163	7.46	.18	20	.25	1562	4	.04	49	3390	64	25	20	66	<.01	60	74	<10	17	258
508 A-145 S	27 6	.6	1.25	150	<2	370	<5	.72	<1	29	19	120	6.55	.14	20	.50	1903	2	.04	37	2160	24	15	20	31	.01	40	96	<10	17	146
508 A-146 S	27 7	.2	1.75	55	<2	580	<5	.76	<1	24	12	104	5.36	.12	20	1.05	2033	5	.04	19	1300	22	20	20	24	.02	30	91	<10	16	111
508 A-147 S	27 8	.8	1.51	170	<2	425	<5	.79	<1	37	15	125	8.10	.15	20	.69	2432	5	.04	31	2060	42	20	20	33	.01	20	129	<10	22	199
508 A-148 S	27 9	.6	1.06	705	<2	455	<5	.80	<1	43	22	128	7.64	.17	30	.29	1644	3	.04	87	2270	46	30	20	43	.01	20	63	<10	20	230
508 A-149 S	27 10	.6	2.27	205	<2	445	<5	.57	1	33	16	134	5.79	.18	20	1.11	3451	3	.03	23	1470	42	15	20	24	.01	40	90	<10	21	172
508 A-150 S	27 11	.6	1.44	60	2	235	<5	.75	<1	29	18	139	6.02	.21	20	.64	1497	4	.05	40	2560	32	15	20	36	.01	10	80	<10	16	195
508 A-151 S	27 12	.8	1.74	80	<2	225	<5	.67	<1	44	43	133	7.45	.12	30	.89	3093	6	.05	55	2270	30	20	20	56	.02	50	160	<10	24	162
508 A-152 S	28 1	.4	1.95	65	4	125	<5	.66	<1	38	64	198	7.18	.06	30	1.33	2310	3	.04	55	1990	32	20	20	55	.01	20	258	<10	26	161
508 A-153 S	28 2	.2	.65	80	8	135	<5	.44	<1	29	22	102	6.84	.08	10	.33	1611	6	.02	47	1840	24	15	<20	37	<.01	20	117	10	17	138
508 A-154 S	28 3	.6	1.51	130	6	475	<5	.76	1	54	82	153	8.72	.18	20	.61	2283	6	.03	158	2670	28	30	<20	56	<.01	30	117	10	22	222
508 A-155 S	28 4	1.0	2.18	80	16	210	<5	.77	1	65	119	186	10.45	.06	20	1.92	2804	10	.03	133	3810	32	25	<20	45	.05	20	241	10	32	195
508 A-156 S	28 5	.8	2.17	40	22	230	<5	.67	<1	57	195	130	7.31	.03	10	2.56	1843	17	.06	111	2130	6	15	<20	83	.03	70	308	10	16	150
508 A-157 S	28 6	.4	1.76	90	10	280	<5	.77	1	40	101	125	5.05	.19	10	1.31	1440	7	.05	122	3210	20	20	<20	61	.01	30	112	20	17	165
508 A-158 S	28 7	1.0	.73	1580	4	165	<5	.40	1	40	10	112	9.43	.30	10	.26	1967	10	.08	61	1940	62	45	<20	154	.03	<10	70	10	17	161
508 A-159 S	28 8	1.0	1.35	150	8	260	<5	.41	<1	26	26	158	7.61	.28	20	.55	1342	4	.09	66	2070	36	30	<20	28	.01	60	90	10	24	216
508 A-160 S	31 1	.8	3.70	30	18	65	<5	1.02	<1	61	94	182	10.41	.18	20	2.87	2797	2	.04	53	2580	32	20	<20	99	.32	30	270	20	31	169
508 A-161 S	31 2	.8	3.74	25	20	55	<5	.63	<1	55	183	163	8.56	.27	10	3.61	2135	7	.04	66	2080	16	25	<20	62	.26	50	282	20	18	135
508 A-162 S	31 3	.2	3.72	30	14	65	<5	.58	<1	39	58	137	8.52	.10	10	2.65	1926	6	.04	38	2440	26	15	<20	105	.21	40	257	20	26	168
508 A-163 S	31 4	.6	3.12	25	10	105	<5	1.13	<1	42	30	168	7.99	.21	20	2.53	1976	6	.21	34	2450	32	15	<20	116	.31	40	209	20	29	171
508 A-164 S	31 5	.6	3.45	25	6	85	<5	.35	<1	32	35	183	7.40	.12	30	1.73	2680	9	.08	27	2110	34	20	<20	41	.15	<10	165	20	39	183
508 A-165 S	31 6	.6	3.14	35	<2	85	<5	.27	1	40	44	156	7.14	.10	20	1.69	2998	6	.08	46	2490	42	25	<20	31	.09	50	130	10	26	185
508 A-166 S	31 7	1.0	2.99	30	6	120	<5	.28	1	54	58	204	7.64	.09	40	1.52	3482	8	.06	64	2160	44	25	<20	39	.12	30	121	10	32	229
508 A-167 S	31 8	.8	3.17	35	10	135	<5	.24	1	55	35	248	6.81	.10	20	1.55	3601	6	.08	57	2230	70	35	<20	36	.12	60	94	20	21	204
508 A-168 SS	27 1	.4	.99	130	<2	160	<5	.70	<1	24	25	116	6.00	.10	10	.64	1119	8	.07	50	1840	28	20	<20	52	.01	20	80	10	15	205

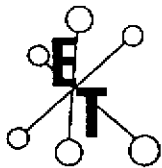
(0.40 to 0.80)

NOTE: < = LESS THAN

CC: GRANGES C/O JAYCOX IND.
 BOX 3633, SMITHERS, B.C.
 V0J 2N0
 FAX: JAYCOX
 SCB9/GRANGES134



ECO-TECH LABORATORIES LTD.
 8806 HOWARD
 B.C. CERTIFIED ASSAYER



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

R-17-

AUGUST 1, 1989

CERTIFICATE OF ANALYSIS ETS #89-9084

Granges Exploration Ltd.
2300, 885 West Georgia Street
VANCOUVER, B.C.
V6C 3E6

NOTE: ✓ MEANS PLOTTED ON LOC. MAP

C.U.

ATTENTION: George Zbitnoff

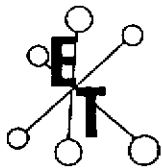
SAMPLE IDENTIFICATION: 116 ROCK samples received July 19, 1989
PROJECT NO: P134

ETK#	tion	Au (ppb)
9084 - 1	✓ R 17 - 1	30
9084 - 2	✓ R 17 - 2	75
9084 - 3	✓ R 17 - 3	275
9084 - 4	✓ R 17 - 4	50
9084 - 5	✓ R 17 - 5	10
9084 - 6	✓ R 17 - 6	15
9084 - 7	✓ R 17 - 7	50
9084 - 8	✓ R 17 - 8	30
9084 - 9	✓ R 17 - 9	90
9084 - 10	✓ R 24 - 1	45
9084 - 11	✓ R 29 - 1	70
9084 - 12	✓ R 29 - 2	30
9084 - 13	✓ R 32 - 1	10
9084 - 14	✓ R 32 - 2	35
9084 - 15	✓ R 32 - 3	20
9084 - 16	✓ R 37 - 1	25
9084 - 17	✓ R 37 - 2	20
9084 - 18	✓ R 37 - 3	10
9084 - 19	✓ R 37 - 4	25
9084 - 20	✓ R 37 - 5	25
9084 - 21	✓ R 20 - 1	25
9084 - 22	✓ R 20 - 2	20
9084 - 23	✓ R 20 - 3	130
9084 - 24	✓ R 14B - 1	115
9084 - 25	✓ R 14B - 2	565
9084 - 26	✓ R 14B - 3	40
9084 - 27	✓ R 14B - 4	245
9084 - 28	✓ R 14B - 5	20
9084 - 29	✓ R 14B - 6	25
9084 - 30	✓ R 14B - 7	50

LOC?

CLIFF FACE
ZONE 2
UNAK 11
TRaverse 14

993.30



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

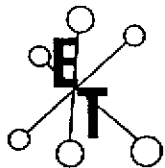
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Granges Exploration Ltd.

AUGUST 1, 1989

ETK#	Description	Au (ppb)	Au (g/t)	Au (oz/t)
9084 - 31 ✓ R	14B- 8	90		
9084 - 32 ✓ R	14B- 9	80		
9084 - 33 ✓ R	14B- 10	5		
9084 - 34 - R	26 - 1	<5		
9084 - 35 ✓ R	26 - 2	110		
9084 - 36 ✓ R	26 - 3	20		
9084 - 37 ✓ R	26 - 4	220		
9084 - 38 ✓ R	26 - 5	455		
9084 - 39 ✓ R	26 - 6	15		
9084 - 40 ✓ R	26 - 7	35		
9084 - 41 ✓ R	26 - 8	30		
9084 - 42 ✓ R	26 - 9	<5		
9084 - 43 - R	26 - 10	<5		
9084 - 44 ✓ R	26 - 11	<5		
9084 - 45 - R	26 - 12	15		
9084 - 46 ✓ R	26 - 13	35		
9084 - 47 ✓ R	26 - 14	15		
9084 - 48 ✓ R	26 - 15	<5		
9084 - 49 ✓ R	26 - 16	25		
9084 - 50 ✓ R	26 - 17	15		
9084 - 51 ✓ R	26 - 18	<5		
9084 - 52 - R	26 - 19	5		
9084 - 53 ✓ R	26 - 20	<5		
9084 - 54 ✓ R	26 - 21	<5		
9084 - 55 ✓ R	26 - 22	<5		
9084 - 56 ✓ R	26 - 23	10		
9084 - 57 ✓ R	26 - 24	80		
9084 - 58 ✓ R	26 - 25	<5		
9084 - 59 ✓ R	26 - 26	5		
9084 - 60 ✓ R	26 - 27	<5		
9084 - 61 ✓ R	18 - 1	5		
9084 - 62 - R	18 - 2	<5		
9084 - 63 - R	18 - 3	5		
9084 - 64 ✓ R	18 - 4	<5		
9084 - 65 ✓ R	18 - 5	<5		
9084 - 66 ✓ R	18 - 6	15		
9084 - 67 ✓ R	18 - 7	5		
9084 - 68 ✓ R	33 - 1	> 1000	2.71	.079
9084 - 69 ✓ R	33 - 2	180		
9084 - 70 ✓ R	33 - 3	180		
9084 - 71 ✓ R	33 - 4	310		
9084 - 72 ✓ R	33 - 5	475		
9084 - 73 ✓ R	33 - 6	180		
9084 - 74 ✓ R	33 - 7	295		
9084 - 75 - R	33 - 8	80		

zone 2



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Granges Exploration Ltd.

AUGUST 1, 1989

ETK#	Description	Au (ppb)
9084 - 76	R 33 - 9	260
9084 - 77	R 33 - 10	120
9084 - 78	R 33 - 11	220
9084 - 79	R 33 - 12	35
9084 - 80	R 33 - 13	55
9084 - 81	R 33 - 14	20
9084 - 82	R 33 - 15	30
9084 - 83	R 33 - 16	90
9084 - 84	R 33 - 17	35
9084 - 85	R 33 - 18	25
9084 - 86	R 33 - 19	50
9084 - 87	R 34 - 1	200
9084 - 88	R 34 - 2	<5
9084 - 89	✓ R 34 - 3	130
9084 - 90	✓ R 34 - 4	<5
9084 - 91	✓ R 25 - 1	<5
9084 - 92	✓ R 25 - 2	<5
9084 - 93	✓ R 25 - 3	10
9084 - 94	✓ R 25 - 4	5
9084 - 95	✓ R 23 - 1	<5
9084 - 96	✓ R 23 - 2	<5
9084 - 97	✓ R 23 - 3	<5
9084 - 98	✓ R 23 - 4	20
9084 - 99	✓ R 23 - 5	<5
9084 - 100	✓ R 23 - 6	<5
9084 - 101	✓ R 21 - 1	15
9084 - 102	✓ R 21 - 2	5
9084 - 103	✓ R 21 - 3	5
9084 - 104	✓ R 21 - 4	165
9084 - 105	✓ R 21 - 5	355
9084 - 106	✓ R 21 - 6	<5
9084 - 107	✓ R 21 - 7	5
9084 - 108	✓ R 14C- 1	85
9084 - 109	✓ R 14C- 2	30
9084 - 110	✓ R 14C- 3	110
9084 - 111	✓ R 14C- 4	295
9084 - 112	✓ R 14C- 5	90
9084 - 113	✓ R 14C- 6	105
9084 - 114	✓ R 14C- 7	140
9084 - 115	D B - R1	<5
9084 - 116	D B - R2	35

ZONE 2

LOCATION (QUIT RIND)

CLIFF FACE

ZONE 2

UNDR 11

TRAVERSE 14

NOTE: < = LESS THAN
> = GREATER THAN

Douglas Howard
 ECO-TECH LABORATORIES LTD.
 DOUG HOWARD
 B.C. Certified Assayer

CC: GRANGES EXPLORATIONS
 C/O JAYCOX INDUSTRIES
 BOX 3633
 SMITHERS, B.C.
 VOJ 2N0
 SC89/GRANGES/S

ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

AUGUST 1, 1989

VALUES IN PPM UNLESS OTHERWISE REPORTED

GRANGES EXPLORATION - ETS89-90B4A

2300 - 885 WEST GEORGIA STREET
VANCOUVER, B.C.
6C 3E8

ATTENTION: GEORGE ZBITNOFF

PROJECT: P. 134

116 ROCK SAMPLES RECEIVED JULY 24, 1989

ETI	DESCRIPTION	AG	AL (%)	AS	B	BA	BI	CA (%)	CD	CO	CR	CU	FE (%)	K (%)	LA	MG (%)	NI	NO	NA (%)	NI	P	PD	SB	SH	SR	T (%)	U	V	W	Y	ZN
90B4A-	1 R 17	1	.4	.30	20	6	260	CS 8.26	<1	19	30	35	3.49	.11	10	.28	1031	12	.03	16	1130	10	20	20	942	<.01	10	31	19	8	30
90B4A-	2 R 17	2	<.2	.71	25	4	185	CS 7.23	<1	21	58	32	1.48	.16	10	.71	1837	11	.04	13	1900	8	25	50	405	.01	20	115	13	18	30
90B4A-	3 R 17	3	<.2	.57	5	4	260	CS 6.81	<1	28	54	76	6.26	.18	10	1.17	2667	5	.04	9	1910	8	20	40	265	.01	30	120	<.15	15	82
90B4A-	4 R 17	4	.4	.35	25	4	280	CS .12	<1	14	158	7	2.42	.22	<10	.13	234	14	.06	14	498	14	5	20	7	<.01	10	27	<.10	3	39
90B4A-	5 R 17	5	<.2	.24	25	<2	304	CS 6.62	<1	33	90	37	5.77	.09	10	1.35	1405	5	.03	15	1640	8	15	20	137	<.01	30	137	<.10	11	49
90B4A-	6 R 17	6	.4	1.16	45	<2	300	CS 6.88	<1	38	31	17	7.54	.12	20	1.60	1574	<1	.03	14	3020	6	25	<20	203	<.01	20	173	<.10	16	51
90B4A-	7 R 17	7	.4	.76	20	<2	280	CS 5.61	<1	31	48	117	6.43	.15	10	2.01	1550	7	.04	8	2380	8	15	<20	198	<.01	30	217	10	11	58
90B4A-	8 R 17	8	.4	.34	15	<2	165	CS .49	<1	11	198	7	1.44	.15	10	.16	344	19	.06	12	650	2	<5	60	57	<.01	20	23	<.10	4	15
90B4A-	9 R 17	9	.2	.16	225	<2	225	CS .06	<1	10	76	10	3.06	.20	<10	<.01	18	6	.05	8	500	18	5	20	7	<.01	20	7	<.10	2	17
90B4A-	10 R 24	1	1.0	.80	15	4	190	CS .01	1	16	120	43	1.92	.03	<10	.67	229	13	.04	10	110	<2	25	<20	2	<.01	<.10	72	10	4	41
90B4A-	11 R 29	1	2.6	.41	20	<2	190	CS .07	2	6	51	41	1.64	.05	10	.29	95	12	.03	19	850	4	25	<20	9	<.01	30	17	<.10	3	74
90B4A-	12 R 29	2	<.2	.97	15	<2	265	CS .82	<1	8	32	38	1.86	.09	20	.92	279	3	.03	<1	670	2	25	<20	47	<.01	20	23	10	4	37
90B4A-	13 R 32	1	.4	.34	20	<2	105	CS .72	<1	3	156	11	1.19	.02	<10	.27	297	8	.04	<1	60	<2	15	<20	14	<.01	<.10	26	10	1	14
90B4A-	14 R 32	2	.8	1.86	25	<2	105	CS .47	1	13	27	121	3.56	.41	10	1.13	601	8	.04	1	2100	18	55	40	23	.01	<.10	118	30	10	50
90B4A-	15 R 32	3	<.2	1.30	25	10	280	CS 2.10	<1	16	37	123	2.50	.07	30	.97	1004	8	.04	3	2440	14	10	20	71	.02	30	126	<.10	5	58
90B4A-	16 R 37	1	<.2	.07	15	6	225	CS .11	<1	4	125	13	.78	.05	10	.05	200	10	.07	11	300	4	15	<20	6	<.01	<.10	10	10	2	20
90B4A-	17 R 37	2	<.2	1.68	15	<2	190	CS .31	<1	14	63	30	3.37	.02	10	1.44	430	11	.07	5	1350	2	20	20	15	.01	<.10	209	<.10	11	54
90B4A-	18 R 37	3	.5	1.15	10	8	190	CS .31	<1	3	32	55	2.32	.05	10	.94	463	8	.05	4	1140	6	10	40	11	.03	30	153	<.10	5	37
90B4A-	19 R 37	4	.4	1.17	20	2	105	CS .51	<1	16	71	100	2.76	.21	<10	1.45	437	7	.09	9	2070	4	25	<20	27	.03	10	120	10	4	39
90B4A-	20 R 37	5	<.2	.52	20	<2	155	CS .69	<1	9	120	7	1.13	.04	10	.53	523	10	.04	5	360	14	25	20	12	.01	<.10	82	<.10	1	20
90B4A-	21 R 20	1	1.2	.37	50	<2	280	CS .08	<1	8	61	43	5.45	.16	<.10	.02	119	5	.05	<1	1700	14	35	<20	23	.07	10	17	10	4	36
90B4A-	22 R 20	2	1.0	.38	45	18	175	CS .17	1	9	30	17	2.79	.10	<.10	.30	134	12	.04	3	810	12	5	<20	8	.08	20	18	10	3	32
90B4A-	23 R 20	3	.4	.37	10	2	225	CS .01	<1	2	126	42	2.09	.09	20	.26	289	8	.04	1	90	14	25	20	3	<.01	<.10	3	10	2	18
90B4A-	24 R 14B	1	1.8	.68	70	10	120	CS .40	1	11	46	10	3.73	.12	10	.43	93	9	.05	<1	1770	20	25	<20	10	<.01	<.10	31	10	9	42
90B4A-	25 R 14B	2	.2	.51	35	<2	140	CS .49	3	18	45	12	4.48	.15	10	.43	176	15	.04	5	1940	16	40	<20	9	<.01	<.10	24	<.10	14	373
90B4A-	26 R 14B	3	2.2	.48	40	<2	155	CS .24	1	10	59	10	3.90	.16	<.10	.39	106	4	.06	1	1290	12	10	20	8	<.01	<.10	15	<.10	8	112

01-1-1207 1/1987

FROM ECO-TECH KAMLOOPS

PAGE 2
ETV

DESCRIPTION	AL	AS	B	BA	BT	CA	CD	CU	CR	CU	FE	K	LA	MG	MM	NO	NA	NI	P	PB	SE	SN	SR	TI	U	V	W	X	ZN				
9084A-27	R	148	4	3.2	.12	310	18	175	CS	.28	2	11	75	9	5.09	.16	30	.07	48	12	.05	<1	1700	74	25	C20	6	<.01	20	6	20	9	116
9084A-28	R	148	5	<.2	2.03	30	10	225	CS	1.92	<1	16	29	9	5.13	.24	10	1.46	126	19	.05	<1	2570	2	35	C20	45	.03	<10	206	10	27	111
9084A-29	R	148	5	.2	1.38	40	C2	210	CS	.35	<1	18	52	9	5.48	.12	30	1.11	119	7	.08	<1	1730	12	40	C20	12	<.01	10	49	<10	10	105
9084A-30	R	148	7	2.4	.88	50	2	190	CS	.92	<1	12	42	9	4.96	.15	10	.81	603	9	.03	12	1260	14	35	C20	16	<.01	30	28	10	12	124
9084A-31	R	148	8	2.2	.16	190	8	240	CS	.27	<1	16	49	9	4.76	.13	10	.07	65	12	.05	1	1280	36	25	C20	9	<.01	30	13	10	10	96
9084A-32	R	148	9	3.2	.62	65	<2	308	CS	.40	<1	10	63	7	3.82	.13	10	.71	205	14	.05	8	1330	24	25	C20	12	<.01	30	17	10	11	72
9084A-33	R	148	10	4.8	.44	145	14	280	CS	.39	<1	9	38	13	4.44	.14	<10	.48	150	22	.04	14	1530	50	35	C20	13	<.01	10	16	<10	9	70
9084A-34	R	26	1	.8	.03	CS	4	240	CS	.63	<1	4	66	16	.89	.05	10	.30	55	10	.03	8	140	4	15	20	17	<.01	30	4	<10	5	27
9084A-35	R	26	2	1.8	<.01	35	<2	280	CS	.61	<1	3	165	9	1.57	<.01	10	.16	58	18	.02	19	80	2	20	C20	18	<.01	30	<1	<10	<1	15
9084A-36	R	26	3	.8	.01	15	4	340	CS	1.17	<1	3	139	13	1.48	.02	20	.14	52	22	.03	15	100	4	15	C20	53	<.01	20	8	10	2	29
9084A-37	R	26	4	5.8	.15	95	8	260	CS	2.46	3	4	48	191	5.17	.07	10	.88	417	35	.03	29	450	98	35	20	72	<.01	20	11	20	7	399
9084A-38	R	26	5	1.2	.03	30	6	120	CS	.95	1	<1	136	17	1.20	.03	<10	.21	124	17	.02	13	170	2	15	20	29	<.01	30	4	<10	3	35
9084A-39	R	26	6	1.2	.12	5	24	140	CS	4.11	<1	6	105	19	1.09	.03	10	1.58	397	17	.03	5	320	2	10	C20	153	<.01	20	12	<10	5	33
9084A-40	R	26	7	4.2	.23	95	<2	140	CS	.72	1	12	52	62	2.02	.069	10	.19	265	8	.02	45	580	10	20	C20	24	<.01	<10	12	10	6	105
9084A-41	R	26	8	1.6	.26	40	14	180	CS	2.16	<1	6	84	26	1.42	.04	10	.24	429	11	.03	23	350	6	20	C20	92	<.01	30	11	10	6	90
9084A-42	R	26	9	1.6	.05	20	10	260	CS	6.51	1	4	111	36	.81	.02	20	.06	1089	12	.03	9	160	4	5	20	514	<.01	30	5	10	18	112
9084A-43	R	26	10	1.2	.12	5	12	140	CS	1.97	<1	3	147	15	.83	.03	10	.16	202	21	.03	13	170	2	15	20	150	<.01	10	11	<10	8	75
9084A-44	R	26	11	.4	.17	15	8	80	CS	2.38	<1	6	138	21	1.07	.03	10	.21	278	24	.03	13	240	2	15	20	150	<.01	10	11	<10	8	75
9084A-45	R	26	12	2.0	.10	55	10	220	CS	3.81	1	1	84	52	1.53	.06	10	.03	696	10	.03	21	520	14	20	20	88	<.01	30	14	<10	8	110
9084A-46	R	26	13	1.6	.06	65	8	300	CS	2.42	3	9	96	49	1.46	.04	10	.02	462	20	.03	25	330	12	10	C20	50	<.01	20	6	10	3	311
9084A-47	R	26	14	2.4	.10	20	8	160	CS	1.69	2	3	117	32	1.02	.05	10	.13	186	21	.03	10	1770	6	5	C20	59	<.01	30	12	<10	9	239
9084A-48	R	26	15	2.2	.16	20	<2	60	CS	2.47	5	5	143	119	1.37	.05	<10	.29	298	52	.04	22	810	6	5	C20	152	<.01	20	22	<10	9	239
9084A-49	R	26	16	.6	.10	25	<2	35	CS	5.66	1	6	94	42	1.63	.03	<10	.27	163	55	.02	65	460	2	5	C20	345	<.01	10	19	<10	7	79
9084A-50	R	26	17	1.4	.23	50	<2	35	CS	1.20	2	7	70	49	4.42	.07	<10	.40	104	89	.04	52	500	12	20	C20	52	<.01	30	20	<10	5	89
9084A-51	R	26	18	.4	.16	10	<2	40	CS	.94	3	6	117	24	2.95	.04	<10	.36	99	12	.02	11	190	2	10	C20	47	<.01	<10	4	<10	3	55
9084A-52	R	26	19	1.4	.12	50	<2	35	CS	2.80	2	10	43	91	2.53	.05	<10	.35	158	126	.03	141	530	16	15	C20	102	<.01	<10	45	<10	5	155
9084A-53	R	26	20	1.0	.10	10	<2	40	CS	1.50	2	4	164	35	1.14	.04	<10	.44	213	26	.03	19	920	<2	5	C20	94	<.01	<10	13	<10	6	118
9084A-54	R	26	21	1.0	.19	15	<2	70	CS	2.33	<1	5	103	30	2.04	.08	<10	.41	194	12	.04	17	420	40	5	20	170	<.01	10	9	<10	4	77
9084A-55	R	26	22	.8	.68	5	<2	50	CS	2.52	<1	6	157	26	1.82	.04	<10	.70	688	21	.03	15	410	4	10	C20	147	<.01	10	16	<10	9	45
9084A-56	R	26	23	.6	.35	10	<2	50	CS	1.25	<1	6	71	27	2.48	.07	<10	.39	84	7	.04	10	2150	6	5	C20	71	<.01	10	2	<10	12	100
9084A-57	R	26	24	1.2	.22	15	<2	40	CS	3.09	<1	9	121	30	1.62	.05	<10	.88	355	19	.04	17	4850	10	10	C20	172	<.01	10	15	<10	18	78
9084A-58	R	26	25	1.6	.14	15	<2	40	CS	.65	<1	7	101	27	1.48	.04	<10	.10	116	25	.04	13	470	8	10	C20	46	<.01	<10	12	<10	4	60
9084A-59	R	26	26	.8	.26	10	<2	40	CS	3.29	<1	11	136	35	1.30	.03	<10	.27	1267	15	.03	23	230	6	5	C20	194	<.01	20	6	<10	10	34
9084A-60	R	26	27	.6	.03	5	<2	30	CS	.03	<1	2	141	4	.62	.03	<10	.01	52	14	.03	5	30	2	5	C20	2	<.01	20	2	<10	1	8
9084A-61	R	18	1	1.0	.72	15	<2	135	CS	1.38	1	9	94	2	4.31	.12	10	.62	885	12	.06	4	1410	14	10	C20	100	<.01	30	17	<10	19	119
9084A-62	R	18	2	1.0	.48	10	<2	75	CS	1.06	1	3	153	7	1.44	.04	<10	.59	673	14	.03	3	410	10	5	C20	43	<.01	30	12	<10	8	43
9084A-63	R	18	3	.8	1.89	10	<2	40	CS	1.34	<1	15	33	3	6.05	.03	10	1.38	1339	6	.07	2	2630	8	20	C20	19	.06	<10	66	10	20	137

PAGE 3
ETI

DESCRIPTION	AS	AL(%)	AS	S	BA	BI	CA(%)	CS	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MM	MO	NA(%)	NI	P	PB	SB	SK	SR	TI(%)	U	V	W	Y	ZN			
9084A-64	R	18	4.1	1.0	.49	20	(2	104	(5	.29	1	6	129	4	2.85	.09	(10	.51	391	15	.04	4	730	12	10	(20	29	(.01	(10	14	(10	8	80
9084A-65	R	18	5.0	.6	.15	5	(2	185	(5	.75	2	1	122	2	1.33	.05	(10	.18	863	12	.03	4	150	4	10	(20	23	(.01	20	4	(10	8	40
9084A-66	R	18	5.0	1.2	1.07	10	(2	130	(5	.08	1	2	53	15	3.57	.12	10	.23	352	6	.03	3	140	32	15	(20	7	(.01	(10	1	(10	5	119
9084A-67	R	18	3.0	.4	1.04	5	(2	60	(5	.05	2	(1	162	(1	4.21	.11	10	.27	314	12	.04	2	120	8	10	(20	5	(.01	30	1	10	4	153
9084A-68	R	33	1.0	54.4	.11	1710	(2	25	(5	(.01	4	2	89	18	4.04	.14	(10	.04	16	36	.04	3	60	4304	60	(20	4	(.01	20	6	10	2	622
9084A-69	R	33	2	27.8	.23	165	(2	20	(5	(.01	2	1	127	30	4.07	.10	(10	.28	76	13	.03	2	40	124	10	(20	2	(.01	(10	1	(10	2	56
9084A-70	R	33	2	4.8	.32	235	(2	15	(5	.03	2	3	110	1	6.65	.08	(10	.41	31	10	.03	2	280	106	30	(20	6	(.01	30	3	(10	4	100
9084A-71	R	33	4	7.8	.32	190	(2	25	(5	(.01	3	2	96	7	2.91	.09	(10	.40	54	23	.03	4	40	58	15	(20	2	(.01	(10	3	(10	2	124
9084A-72	R	33	5	9.2	.10	210	(2	15	(5	(.01	34	4	104	23	2.93	.06	(10	.03	43	18	.04	3	40	94	20	(20	12	(.01	(10	3	10	2	421
9084A-73	R	33	6	27.8	.07	230	(2	15	(5	(.01	34	4	104	23	2.93	.06	(10	.03	43	18	.04	3	40	94	20	(20	12	(.01	(10	3	10	2	421
9084A-74	R	33	7	39.2	.18	300	(2	25	(5	.03	21	3	78	15	3.23	.06	(10	.18	85	12	.03	1	190	492	30	(20	2	(.01	20	3	90	3	3293
9084A-75	R	33	8	19.0	.22	245	(2	30	(5	.04	23	1	134	14	4.00	.09	(10	.22	49	26	.03	3	80	292	20	(20	3	(.01	(10	6	90	2	3398
9084A-76	R	33	9	4.2	.66	215	(2	20	(5	.10	10	4	69	50	4.24	.13	(10	.82	64	19	.02	1	840	3394	255	(20	4	(.01	20	13	20	5	950
9084A-77	R	33	10	18.6	.36	175	(2	20	(5	(.01	6	3	82	3	3.34	.09	(10	.47	37	19	.03	4	120	266	15	(20	2	(.01	(10	2	(10	1	253
9084A-78	R	35	11	18.8	.21	110	(2	10	(5	.09	(1	6	57	4	3.22	.11	(10	.16	32	11	.03	4	530	60	10	(20	4	(.01	20	3	(10	4	48
9084A-79	R	33	12	7.0	.44	70	(2	20	(5	.27	(1	10	42	3	3.74	.09	(10	.41	73	8	.04	2	1400	44	20	(20	3	(.01	20	19	(10	12	75
9084A-80	R	33	13	6.4	.20	135	(2	25	(5	.20	7	8	40	4	2.90	.12	(10	.11	43	9	.04	1	1310	76	20	(20	5	(.01	(10	12	20	10	1056
9084A-81	R	33	14	4.0	.38	75	(2	30	(5	.22	1	9	35	3	2.67	.17	(10	.25	40	8	.05	(1	870	48	15	(20	6	(.01	10	11	(10	6	55
9084A-82	R	33	15	4.6	.28	90	(2	15	(5	.12	(1	5	40	2	2.80	.21	(10	.14	29	10	.04	3	780	56	15	(20	6	(.01	10	10	(10	5	104
9084A-83	R	33	16	6.0	.20	105	(2	15	(5	.10	(1	8	42	3	2.53	.16	(10	.08	20	7	.05	3	760	40	15	(20	10	(.01	10	11	(10	6	66
9084A-84	R	33	17	3.4	.24	65	(2	20	(5	.11	(1	8	65	3	2.58	.15	(10	.12	39	11	.04	4	830	38	20	(20	13	(.01	20	19	(10	5	79
9084A-85	R	33	18	2.2	.26	55	(2	35	(5	.11	(1	6	51	6	3.27	.16	(10	.16	67	6	.05	4	830	38	20	(20	13	(.01	20	19	(10	5	58
9084A-86	R	33	19	5.2	.13	75	(2	125	(5	.10	(1	2	97	6	2.81	.17	(10	.04	73	22	.06	5	580	36	25	(20	3	(.01	30	16	10	5	58
9084A-87	R	34	1	75.4	.04	260	(2	175	(5	.01	(1	6	68	(1	10.86	.10	10	.01	146	18	.05	3	130	26	420	(20	1	(.01	30	11	(10	2	26
9084A-88	R	34	2	4.2	1.46	50	(2	315	(5	1.61	(1	13	61	100	3.41	.10	(10	1.04	432	11	.03	24	1490	12	30	20	41	.03	20	216	10	11	95
9084A-89	R	34	3	18.4	.15	75	(2	210	(5	6.82	66	4	39	35	3.65	.09	10	1.70	10000	2	.12	4	180	900	50	(20	355	(.01	30	73	250	19	3717
9084A-90	R	34	4	56.5	.09	40	(2	165	(5	6.39	355	3	29	375	4.97	.08	10	1.70	10000	(1	.05	3	360	1050	205	(20	179	(.01	30	21	920	15	10900
9084A-91	R	25	1.45	1.2	1.27	25	6	125	(5	.41	3	13	25	3	5.42	.18	(10	.77	324	5	.04	6	1680	20	35	20	14	.01	30	39	10	15	171
9084A-92	R	25	2.45	1.4	.50	15	(2	220	(5	.04	2	4	28	15	1.80	.09	(10	.43	111	14	.05	8	320	12	20	(20	2	(.01	30	35	(10	2	55
9084A-93	R	25	3.0	1.4	.73	25	8	90	(5	.02	1	3	54	22	2.91	.08	(10	.55	174	7	.05	7	320	12	15	(20	3	(.01	30	75	(10	3	39
9084A-94	R	25	4.45	2.6	.30	45	(2	115	(5	.05	1	4	24	27	2.58	.09	(10	.20	152	12	.06	22	350	10	25	(20	2	(.01	30	22	(10	6	56
9084A-95	R	23	1.0	4.2	1.05	15	(2	200	(5	1.90	1	5	86	14	2.86	.04	(10	.94	1767	12	.04	4	1840	4	20	20	124	(.01	30	106	10	8	42
9084A-96	R	23	2.0	.6	.06	10	(2	185	(5	1.60	1	5	131	4	2.45	.04	10	.57	666	15	.05	3	1660	6	15	(20	229	(.01	30	17	10	10	48
9084A-97	R	23	3.0	.6	.21	365	(2	200	(5	5.02	1	14	9	70	3.60	.17	(10	.11	900	5	.05	6	650	4	15	20	24	.01	30	81	19	2	35
9084A-98	R	23	4.0	.4	.82	15	(2	175	(5	.44	1	8	124	9	1.80	.05	(10	.66	492	18	.05	3	2260	8	20	20	71	(.01	30	49	(10	12	56
9084A-99	R	23	5.0	.4	.62	20	(2	185	(5	2.31	(1	19	24	86	3.01	.19	10	.37	532	8	.06	6	250	(2	15	(20	5	(.01	30	127	10	1	71
9084A-100	R	23	6.0	.4	1.27	15	2	125	(5	.05	(1	8	139	2	2.72	.02	(10	1.15	526	16	.06	6	250	(2	15	(20	5	(.01	30	127	10	1	71

2.71 2/1 Au

X

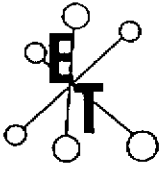
ECCO-TECH LABORATORIES LTD.

GRANGES EXPLORATION - ETS89-9084A

PAGE 4	DESCRIPTION	AG	AL(%)	AS	I	MA	BT CA(%)	CO	CO	CR	CU FE(%)	K(%)	LA PG(%)	MM	NO NA(%)	NI	P	PI	SB	SN	SR TI(%)	U	V	W	Y	Zn						
9084A-101	R 21	1	1.4	.64	90	<2	115	<5	3.65	<1	11	96	62	3.32	.03	<10	1.00	664	11	.04	51	1090	6	10	20	70	<.01	20	157	10	11	80
9084A-102	R 21	2	.8	.45	120	2	140	<5	6.42	<1	16	46	18	4.16	.08	<10	3.02	1409	13	.03	43	570	16	20	<20	467	<.01	20	80	<10	13	38
9084A-103	R 21	3	1.4	1.05	25	<2	140	<5	4.95	<1	12	61	55	3.67	.06	10	1.37	1057	5	.03	37	1310	10	20	20	212	<.01	30	127	10	12	85
9084A-104	R 21	4	40.4	.95	165	<2	220	<5	3.09	8	6	78	91	1.54	.10	<10	.41	3133	11	.04	16	500	5372	195	<20	66	<.01	30	26	20	6	327
9084A-105	R 21	5	.8	.15	435	2	150	<5	5.66	1	11	29	23	2.88	.09	10	2.59	1086	10	.04	18	830	20	25	<20	291	<.01	30	46	<10	15	87
9084A-106	R 21	6	1.2	.25	130	<2	265	<5	4.95	1	14	40	52	3.94	.16	<10	1.11	994	6	.03	55	1590	12	35	<20	166	<.01	<10	48	<10	9	54
9084A-107	R 21	7	.8	.12	40	<2	570	<5	5.53	1	14	40	52	3.94	.16	<10	1.04	1535	9	.04	27	600	6	25	20	278	<.01	30	33	<10	9	54
9084A-108	R 14C		11.6	.46	200	<2	115	<5	.42	1	11	55	12	5.40	.15	10	.42	170	14	.03	4	1730	38	45	<20	9	<.01	<10	16	<10	12	119
9084A-109	R 14C		2.6	.41	115	<2	140	<5	.30	1	8	84	4	5.98	.12	10	.38	105	13	.06	5	1230	32	25	20	5	<.01	10	13	<10	10	94
9084A-110	R 14C		1.8	.42	230	<2	100	<5	.26	2	6	85	6	2.19	.20	10	.27	36	12	.04	5	90	38	25	<20	2	<.01	20	4	<10	4	394
9084A-111	R 14C		3.2	.27	285	<2	175	<5	.02	2	3	100	6	3.25	.13	10	.23	44	19	.04	4	90	38	25	<20	10	<.01	20	11	<10	6	110
9084A-112	R 14C		2.6	.45	130	<2	165	<5	.14	1	<1	74	3	2.38	.12	10	.40	42	17	.06	2	670	54	20	<20	8	<.01	<10	19	10	14	78
9084A-113	R 14C		2.0	.51	170	<2	140	<5	.39	1	9	55	3	3.35	.23	10	.38	41	14	.05	2	1620	44	35	<20	5	<.01	30	16	<10	9	150
9084A-114	R 14C		6.8	.34	285	<2	190	<5	.19	2	8	73	6	5.18	.15	10	.26	26	20	.04	4	900	56	45	<20	5	<.01	30	103	10	11	65
9084A-115	DB RJ		.8	.65	5	<2	460	<5	4.72	1	27	29	25	4.74	.15	10	.78	1077	6	.03	13	1970	4	30	20	181	<.01	30	13	<10	8	11
9084A-116	BB R2		2.0	.12	<5	<2	75	<5	5.48	1	4	94	875	1.86	.07	<10	2.46	2312	6	.03	6	830	6	15	20	113	<.01	30	13	<10	8	11

NOTE: < = LESS THAN
 CC: B. GARBOUY
 GRANGES C/O JAYCOX LTD.
 BOX 3633, SMITHERS, B.C.
 VOJ 2N0
 FAX: JAYCOX
 SC69/GRANGES134

Douglas Howard
 ECCO-TECH LABORATORIES LTD.
 DOUG HOWARD
 B.C. CERTIFIED ASSAYER



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

JULY 28, 1989

CERTIFICATE OF ANALYSIS ETS 89-9085

GRANGES EXPLORATIONS LTD.
2300, 885 WEST GEORGIA ST.
VANCOUVER, B.C.
V6C 3E6

ATTENTION: GEORGE ZBITNOFF

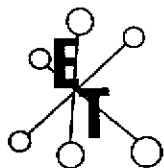
SAMPLE IDENTIFICATION: 17 STREAM SED. samples received July 21, 1989
PROJECT: P. 134 SHIPMENT NO: 2

ET#	Description	AU (ppb)	RE-ONE
9085- 1	SS - 13 - 1	45	
9085- 2	SS - 11 - 4	20	
9085- 3	SS - 16 - 1	55	
9085- 4	SS - 16 - 2	30	35
9085- 5	SS - 16 - 3	35	
9085- 6	SS - 17 - 1	25	
9085- 7	SS - 17 - 2	40	30 LOC?
9085- 8	SS - 20 - 1	50	
9085- 9	SS - 22 - 1	70	
9085- 10	SS - 23 - 1	40	LOC?
9085- 11	SS - 24 - 1	35	
9085- 12	SS - 24 - 2	50	25
9085- 13	SS - 24 - 3	90	
9085- 14	SS - 24 - 4	35	
9085- 15	SS - 24 - 5	95	
9085- 16	SS - 24 - 6	30	30
9085- 17	SS - 25 - 1	30	LOC?

NOTE: < = less than

Jutta Jealouse
ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. CERTIFIED ASSAYER

CC: GRANGES INC.
C/O JAYCOX INDUSTRIES
BOX 3633, SMITHERS, B.C.
VOJ 2N0
FAX: E-T, STEWART
SC89/GRANGES



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 22, 1989

CERTIFICATE OF ANALYSIS ETS 89-9085 A

=====


GRANGES EXPLORATIONS LTD.
2300, 885 WEST GEORGIA ST.
VANCOUVER, B.C.
V6C 3E6

GEOCHEM CHECKS

ATTENTION: ART O'DONNELL

SAMPLE IDENTIFICATION: 17 STREAM SED. samples received July 21, 1989
PROJECT: P. 134 SHIPMENT NO: 2

ET#	Description	ORIGINAL	CHECKS
		AU (ppb)	AU (ppb)
9085 - 4	SS - 16 - 2	30	35
9085 - 8	SS - 20 - 1	50	30
9085 - 12	SS - 24 - 2	50	25
9085 - 16	SS - 24 - 6	30	30


ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER

FAX: 687-8699 (ART O'DONNELL)

SC89/GRANGES

ECO-TECH LABORATORIES LTD.

1001 EAST TILMUS CANNON HHT.
 LAWRENDS, S.C. 29223
 PHONE - 644-572-5700
 FAX - 644-573-4557

AUGUST 4, 1989

VALUES IN PPB UNLESS OTHERWISE REPORTED

GRANGES EXPLORATION - ETS89-9085A

2200 - 805 WEST GEORGIA STREET
 WANDOURER, S.C.

ATTENTION: GEORGE ZBITNOFF

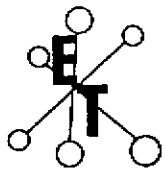
PROJECT: P. 134
 17 STREAM SED. SAMPLES RECEIVED JULY 21, 1989 IN KANAWHAPS

ppb

ETH	DESCRIPTIONS	Au	Ag	Mn	AS	B	BA	BI	CA	CD	CE	CR	CU	CO	FE	KZ	LA	MO	NI	P	PB	SO	SI	SR	Ti	V	Zn					
9065	1-SS-13-	1	45	4	1.16	15	2	5	81	1	16	13	37	3.84	1.13	10	.81	7%	2	.09	11	1820	14	18	20	44	.09	30	83	(10	13	121
9065	2-SS-11-	4	2.0	2	.06	25	2	5	.02	1	1	1	3	.29	.02	(10	.02	144	1	.04	2	90	14	18	20	4	.01	20	2	(10	1	18
9065	3-SS-16-	1	55	2	1.32	10	85	13	1.13	1	20	16	75	2.93	.26	10	1.18	798	2	.07	10	3640	6	5	29	88	.06	36	142	(10	9	58
9065	4-SS-16-	2	3.0	4	1.48	20	130	5	.98	1	46	9	131	4.87	.15	10	.95	1886	3	.05	25	2540	18	5	29	87	.03	29	105	(10	13	124
9065	5-SS-16-	3	3.5	2	1.52	10	165	13	1.42	1	19	12	63	3.84	.32	(10	1.30	840	2	.09	8	2820	8	5	29	93	.07	20	165	(10	9	64
9065	6-SS-17-	1	2.5	2	1.07	10	80	5	.66	1	26	8	85	3.44	.08	(10	.69	1485	2	.05	8	1950	4	5	29	49	.01	30	94	(10	10	86
9065	7-SS-17-	2	4.0	2	.04	25	70	5	.01	1	1	1	2	.13	.02	(10	.02	41	1	.03	1	30	4	5	29	1	.01	10	3	(10	1	3
9065	8-SS-20-	1	5.0	4	.07	10	42	70	.54	1	13	7	39	2.95	.15	(10	.71	700	1	.13	9	1450	12	15	20	81	.04	20	66	(10	5	41
9065	9-SS-22-	1	7.0	2	1.34	5	60	5	.45	1	5	19	13	1.12	.04	(10	.46	391	1	.05	10	350	8	15	20	31	.02	30	30	(10	5	28
9065	10-SS-23-	1	4.0	4	1.46	40	42	90	.62	1	20	28	51	4.17	.07	10	.86	872	2	.07	19	1380	16	5	29	56	.10	20	82	(10	16	95
9065	11-SS-24-	1	3.5	2.2	1.33	50	140	5	.53	26	29	20	97	3.11	.04	(10	.48	2437	11	.06	153	1160	14	10	29	36	.02	39	52	39	11	1208
9065	12-SS-24-	2	5.0	4	1.20	20	42	25	.04	1	8	9	41	2.34	.06	(10	.48	682	4	.04	9	440	10	10	10	4	.04	10	46	(10	2	56
9065	13-SS-24-	3	9.0	4	2.66	25	30	5	.06	1	19	27	39	3.75	.03	(10	.55	1528	2	.04	17	1020	26	5	29	8	.05	30	64	(10	4	61
9065	14-SS-24-	4	35	2.6	1.21	45	160	45	.57	8	14	19	41	3.51	.66	(10	.74	1488	8	.07	70	1150	12	15	20	22	.03	30	53	(10	33	335
9065	15-SS-24-	5	95	5	1.45	20	42	45	.52	1	21	38	97	4.42	.03	(10	1.16	1106	4	.05	49	1530	6	5	29	35	.04	30	72	(10	10	148
9065	16-SS-24-	6	3.0	6	1.44	15	42	50	.55	2	21	28	90	4.23	.03	(10	1.11	1053	4	.05	44	1340	6	5	29	37	.04	30	74	(10	10	136
9065	17-SS-25-	1	3.0	4	1.86	30	72	75	.48	2	25	12	31	3.14	.06	10	.95	2209	3	.04	14	1420	22	10	29	28	.04	30	55	(10	25	152

NOTE: (= LESS THAN
 SAMPLE #'S 2, 6, 7 - 42 MESH SCREENS
 CC: J. GARDOUT
 GRANGES C/O JAYCOR INC.
 BOX 3632, SATTLEBORN, S.C.
 PAJ 280
 FAX: JAYCOR
 SC97/GRANGES134

George Zbitnoff
 ECO-TECH LABORATORIES LTD.
 3008 HOWARD
 S.C. CERTIFIED ISSAVER



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 9, 1989

CERTIFICATE OF ANALYSIS ETS# 89-9105

GRANGES EXPLORATIONS LTD.
2300, 885 WEST GEORGIA ST.
VANCOUVER, B.C.
V6C 3E6

ATTN: GEORGE ZBITNOFF

SAMPLE IDENTIFICATION: 94 ROCK samples received JULY 26, 1989
PROJECT 134
SHIPMENT NO: 3

ET#	Description	AU (ppb)
9105 - 1	R 14 D 1	170
9105 - 2	R 14 D 2	60
9105 - 3	R 14 D 3	50
9105 - 4	R 14 D 4	70
9105 - 5	R 14 D 5	<5
9105 - 6	R 14 D 6	50
9105 - 7	R 19 1	<5
9105 - 8	R 19 2	<5
9105 - 9	R 19 3	<5
9105 - 10	R 30 1	<5
9105 - 11	R 30 2	<5
9105 - 12	R 30 3	<5
9105 - 13	R 30 4	<5
9105 - 14	R 30 5	<5
9105 - 15	R 30 6	<5
9105 - 16	R 30 7	<5
9105 - 17	R 30 8	<5
9105 - 18	R 30 9	<5
9105 - 19	R 30 10	80
9105 - 20	R 27 1	<5
9105 - 21	R 27 2	<5
9105 - 22	R 27 3	<5
9105 - 23	R 27 4	<5
9105 - 24	R 27 5	<5
9105 - 25	R 27 6	<5
9105 - 26	R 40 1	510
9105 - 27	R 40 2	100
9105 - 28	R 28 1	<5
9105 - 29	R 31 1	<5
9105 - 30	R 31 2	<5

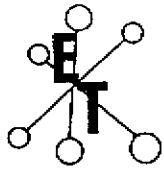
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GRAB AP

NOTE:



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
 10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

GRANGES EXPLORATIONS LTD.

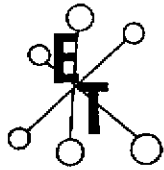
AUGUST 9, 1989

ET#	Description	AU (ppb)	AU (g/t)	AU (oz/t)
9105 - 31	R - 31	3	<5	
9105 - 32	R - 31	4	<5	
9105 - 33	R - 31	5	<5	
9105 - 34	R - 31	6	<5	
9105 - 35	R - 31	7	<5	
9105 - 36	R - 31	8	15	
9105 - 37	R 33	20	<5	
9105 - 38	R 33	21	<5	
9105 - 39	R 33	22	25	
9105 - 40	R 33	23	35	
9105 - 41	R 33	24	70	
9105 - 42	R 33	25	50	
9105 - 43	R 33	26	<5	
9105 - 44	R 33	27	10	
9105 - 45	R 33	28	30	
9105 - 46	R 33	29	<5	
9105 - 47	R 33	30	<5	
9105 - 48	R 33	31	>1000	.98 .029
9105 - 49	R 33	32	<5	
9105 - 50	R 33	33	70	
9105 - 51	R 33	34	<5	
9105 - 52	R 33	35	40	
9105 - 53	R 33	36	<5	
9105 - 54	R 33	37	<5	
9105 - 55	R 33	38	50	
9105 - 56	R 33	39	<5	
9105 - 57	R 33	40	<5	
9105 - 58	R 33	41	40	
9105 - 59	R 33	42	<5	
9105 - 60	R 33	43	<5	
9105 - 61	R 33	44	<5	
9105 - 62	600 N	050 W	<5	
9105 - 63	700 N	350 W	30	
9105 - 64	700 N	339 W	15	
9105 - 65	875 N	823 W	15	
9105 - 66	815 N	921 W	<5	
9105 - 67	803 N	860 W	25	
9105 - 68	875 N	820 W	10	
9105 - 69	900 N	400 W #1	35	
9105 - 70	900 N	400 W #2	100	
9105 - 71	925 N	300 W	15	
9105 - 72	1090 N	873 W	80	
9105 - 73	1038 N	500 W	<5	
9105 - 74	1028 N	505 W	45	
9105 - 75	1066 N	835 W	20	

part 1

202E 2

part 2



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

GRANGES EXPLORATIONS LTD.

AUGUST 9, 1989

ET#	Description	AU (ppb)
9105 - 76	✓ 1066 N	829 W <5
9105 - 77	✓ 1080 N	845 W <5
9105 - 78	✓ 1060 N	820 W <5
9105 - 79	✓ 1059 N	829 W 20
9105 - 80	✓ 1125 N	175 W <5
9105 - 81	✓ 1125 N	244 W 50
9105 - 82	✓ 1100 N	352 W 365
9105 - 83	✓ 1100 N	365 W <5
9105 - 84	✓ 1125 N	975 W <5
9105 - 85	✓ 1165 N	875 W 105
9105 - 86	✓ 1320 N	875 W <5
9105 - 87	✓ 1370 N	925 W 10
9105 - 88	✓ 1420 N	850 W <5
9105 - 89	1400 N	1150 W 30
9105 - 90	1400 N	1150 W 35
9105 - 91	✓ 1428 N	653 W <5
9105 - 92	✓ 1460 N	885 W <5
9105 - 93	✓ 1510 N	830 W <5
9105 - 94	✓ 1520 N	830 W <5

Plotted in Gold 1

NOTE: < = less than
> = greater than

ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER

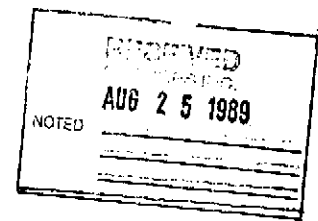
FAX: JAYCOX INDUSTRIES - SMITHERS
cc: GRANGES INC.
C/O JAYCOX IND.
BOX 3633
SMITHERS, B.C.
VOJ 2N0
ATTN: B. GABOURY
SC89/GRANGES

ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
 KANLOOPS, B.C. V2C 2J3
 PHONE - 604-573-5700
 FAX - 604-573-4557

GRANGES EXPLORATION - ETS89-9105A

2300 - 885 WEST GEORGIA STREET
 VANCOUVER, B.C.
 V6C 3E8



AUGUST 18, 1989

ATTENTION: GEORGE ZBITNOFF

VALUES IN PPM UNLESS OTHERWISE REPORTED

PROJECT: P. 134
 94 ROCK SAMPLES RECEIVED JULY 31, 1989

ET#	DESCRIPTIONS	AG	AL(Z)	AS	B	BA	BI	CA(Z)	CO	CO	CR	CU	FE(Z)	K(Z)	LA	MG(Z)	MN	MO	NA(Z)	NI	P	PB	SB	SN	SR	T(Z)	U	V	W	Y	ZN
9105 A - 1 R	140 1	17.6	.25	490	<2	5	<5	.03	<1	8	106	11	5.99	.19	<10	<.01	158	13	.05	<1	300	54	20	<20	5	<.01	<10	27	<10	2	471
9105 A - 2 R	140 1	11.4	.41	535	<2	5	<5	.14	<1	9	59	5	6.47	.22	<10	.02	38	9	.04	<1	1230	70	15	<20	14	<.01	<10	28	<10	6	336
9105 A - 3 R	140 1	10.2	.29	250	<2	5	<5	.11	<1	6	89	23	5.02	.21	<10	.02	72	11	.04	<1	680	54	25	<20	28	<.01	<10	30	<10	3	1854
9105 A - 4 R	140 1	9.4	.29	235	<2	5	<5	.06	<1	9	69	22	4.71	.17	<10	.01	43	8	.05	<1	370	44	25	<20	11	<.01	<10	23	<10	2	1438
9105 A - 5 R	140 1	6.6	.24	75	<2	15	<5	.02	<1	1	77	9	3.39	.18	<10	<.01	1	9	.04	<1	370	34	25	<20	10	<.01	<10	21	<10	1	56
9105 A - 6 R	140 1	3.2	.22	220	<2	10	5	.04	<1	6	89	4	3.98	.16	<10	<.01	18	11	.06	<1	430	50	15	<20	10	<.01	<10	11	<10	2	39
9105 A - 7 R	19 1	12.4	.38	50	<2	195	<5	5.97	<1	7	37	19	2.58	.18	<10	.24	5132	6	.04	<1	1120	2790	15	<20	168	<.01	<10	27	<10	13	3517
9105 A - 8 R	19 2	14.2	.11	25	<2	115	<5	>15.	7	6	24	109	8.26	.04	10	2.53	>10000	6	.01	<1	170	3552	20	<20	434	<.01	<10	16	<10	21	4313
9105 A - 9 R	19 2	.6	.52	5	<2	80	<5	.92	<1	8	147	31	1.74	.05	20	.30	530	11	.02	<1	580	108	5	<20	31	<.01	<10	63	<10	7	176
9105 A - 10 R	30 1	1.2	1.43	125	<2	25	<5	2.90	<1	27	98	85	4.96	.07	<10	.80	1115	15	.08	3	2350	26	5	<20	35	.24	<10	207	<10	10	71
9105 A - 11 R	30 2	.6	.48	50	<2	120	<5	7.42	<1	11	53	26	3.60	.10	10	1.78	3367	5	.04	<1	1100	32	5	<20	227	.01	<10	71	<10	12	158
9105 A - 12 R	30 2	25.8	.45	115	30	5	<5	9.36	53	17	20	160	3.12	.12	10	.30	>10000	25	.03	<1	660	904	20	<20	225	<.01	<10	26	<10	11	>10000
9105 A - 13 R	30 2	11.4	.27	570	<2	40	<5	10.24	23	14	20	82	4.87	.07	10	.46	>10000	5	.01	<1	890	2210	30	<20	339	<.01	<10	37	<10	12	>10000
9105 A - 14 R	30 3	21.6	.53	1670	<2	210	<5	>15.	2	8	43	13	8.31	.04	10	1.28	>10000	10	.01	<1	290	7112	45	<20	556	<.01	<10	25	<10	11	887
9105 A - 15 R	30 3	63.4	.57	855	8	90	<5	>15.	<1	5	30	13	7.90	.03	10	1.33	>10000	5	.02	3	330	>10000	100	<20	530	<.01	<10	32	<10	9	2419
9105 A - 16 R	30 2	49.2	.61	995	<2	120	<5	>15.	<1	4	52	11	8.92	.05	10	1.69	>10000	6	.02	<1	480	>10000	100	<20	579	<.01	<10	38	<10	12	257
9105 A - 17 R	30 3	22.0	.67	805	6	85	<5	>15.	<1	6	27	23	7.90	.04	10	2.06	>10000	7	.01	<1	330	7708	55	<20	1018	<.01	<10	26	<10	11	220
9105 A - 18 R	30 3	4.6	1.05	170	4	45	<5	14.31	<1	13	55	33	4.96	.13	10	1.97	7050	7	.01	46	580	248	30	<20	305	<.01	<10	50	<10	13	371
9105 A - 19 R	30 3	11.0	.26	540	8	140	<5	14.53	2	3	16	24	5.65	.18	10	2.73	>10000	11	.01	9	560	2974	30	<20	235	<.01	<10	13	<10	13	2235
9105 A - 20 R	27 1	12.6	.34	1260	4	85	<5	>15.	5	5	34	6	6.53	.05	10	2.06	>10000	6	.01	2	270	6044	40	<20	457	<.01	<10	22	<10	11	1059
9105 A - 21 R	27 4	18.0	.49	1325	4	65	<5	>15.	<1	1	18	9	6.23	.01	<10	3.47	>10000	6	.01	3	170	>10000	75	<20	648	<.01	<10	20	<10	10	140
9105 A - 22 R	27 3	.6	.29	20	4	25	<5	>15.	<1	2	44	7	1.22	.06	<10	.32	2609	3	.01	5	180	82	10	<20	2299	<.01	<10	5	<10	9	43
9105 A - 23 R	27 4	76.6	.23	2405	8	50	<5	10.76	5	8	34	222	5.02	.11	<10	1.82	>10000	7	.01	7	490	2182	115	<20	205	<.01	<10	20	<10	9	2066
9105 A - 24 R	27 4	.8	.70	185	8	100	<5	5.78	1	32	94	85	5.85	.22	<10	2.32	2158	4	.02	77	680	20	20	<20	416	<.01	<10	126	<10	13	108
9105 A - 25 R	27 4	.6	.53	75	6	45	<5	9.49	<1	21	27	45	5.88	.13	10	2.94	1951	4	.02	30	1610	16	20	<20	344	<.01	<10	130	<10	20	56
9105 A - 26 R	40 1	36.6	.08	3445	8	15	<5	5.55	1	4	58	119	6.43	.06	<10	2.59	3216	21	.03	<1	90	4460	80	<20	80	<.01	<10	4	<10	9	>10000

ECD-TECH LABORATORIES LTD.

GRANGES EXPLORATION - ET689-9105A

PAGE 2
ETA

DESCRIPTIONS	AG	AL(Z)	AS	B	BA	BI	CA(Z)	CD	CO	CR	CU	FE(Z)	K(Z)	LA	MG(Z)	MN	MO	NA(Z)	NI	P	PB	SB	SN	SR	TI(Z)	U	V	W	Y	ZN
9105 A - 27 R 40 5	68.6	.14	240	14	15	<5	7.08	21	9	43	2313	10.28	.04	10	2.81	8382	20	.02	3	390	>10000	175	<20	85	<.01	10	4	<10	22	>10000
9105 A - 28 R 28 1	.4	2.56	30	16	30	<5	6.09	<1	26	96	70	5.88	.23	10	3.74	1197	8	.04	102	2230	122	25	<20	354	.02	10	145	<10	12	204
9105 A - 29 R 31 1	.2	1.40	5	12	95	<5	.38	<1	14	145	72	3.31	.05	<10	1.31	448	13	.05	17	990	24	10	<20	30	.04	<10	112	<10	4	70
9105 A - 30 R 31 5	.8	1.38	5	10	10	<5	.56	<1	12	184	130	3.18	.01	<10	1.40	305	17	.03	15	460	80	5	<20	39	.01	<10	96	<10	2	84
9105 A - 31 R 31 2	.2	1.56	5	6	15	<5	.63	<1	15	170	12	4.84	.01	<10	.98	764	19	.02	3	460	2	10	<20	22	.06	10	206	<10	5	61
9105 A - 32 R 31 4	.4	3.34	15	10	15	<5	2.37	<1	25	119	<1	8.13	.01	<10	2.74	1325	11	.04	6	760	18	25	<20	59	.08	<10	291	<10	7	93
9105 A - 33 R 31 4	.4	1.96	15	6	35	<5	1.59	<1	12	105	94	4.24	.08	10	1.92	1112	12	.05	12	1700	40	20	<20	135	.06	10	221	<10	7	68
9105 A - 34 R 31 4	.4	1.29	10	14	80	<5	.22	<1	12	137	96	3.74	.05	10	1.15	455	12	.04	16	930	18	10	<20	64	.01	10	112	<10	6	120
9105 A - 35 R 31 2	.8	.25	5	14	55	<5	.07	<1	5	218	17	.95	.01	<10	.17	254	18	.04	13	280	4	5	<20	14	<.01	10	19	<10	2	24
9105 A - 36 R 31 5	.8	.16	5	12	40	<5	.12	<1	3	258	11	.60	.17	<10	.09	185	22	.04	9	350	2	<5	<20	19	<.01	10	7	<10	2	16
9105 A - 37 R 33 20	5.0	1.18	165	10	15	<5	.34	<1	13	63	28	7.23	.15	<10	.77	309	8	.04	6	1670	64	35	<20	15	<.01	10	48	<10	10	305
9105 A - 38 R 33 5	2.0	.86	55	6	30	<5	.37	<1	8	124	7	4.99	.14	10	.58	238	14	.05	4	1570	24	25	<20	12	<.01	10	36	<10	11	222
9105 A - 39 R 33 5	1.2	.79	60	2	35	<5	.43	<1	6	63	7	3.65	.23	10	.49	465	7	.05	3	1740	30	15	<20	17	<.01	<10	52	<10	9	58
9105 A - 40 R 33 5	4.2	.69	130	2	30	<5	.19	<1	7	60	7	2.95	.20	10	.37	133	7	.06	4	1200	30	10	<20	9	<.01	<10	41	<10	8	67
9105 A - 41 R 33 2	12.0	.17	940	<2	10	<5	.05	<1	8	90	12	6.36	.11	10	<.01	112	10	.06	2	610	50	15	<20	3	<.01	<10	23	<10	3	22
9105 A - 42 R 33 6	4.2	.32	145	2	35	<5	.07	<1	3	76	7	2.72	.12	10	.10	176	5	.05	2	640	30	10	<20	4	<.01	<10	22	<10	4	55
9105 A - 43 R 33 2	1.2	.45	35	2	40	<5	.15	<1	3	82	2	2.25	.21	<10	.22	64	7	.05	3	890	22	10	<20	12	<.01	<10	33	<10	4	37
9105 A - 44 R 33 2	2.2	.49	70	<2	10	<5	1.38	<1	12	53	3	4.58	.22	10	.22	430	5	.04	3	1590	36	20	<20	22	<.01	<10	43	<10	13	66
9105 A - 45 R 33 6	11.4	.42	195	<2	10	<5	.13	<1	9	42	5	3.83	.22	<10	.13	50	9	.06	2	790	55	20	<20	6	<.01	<10	25	<10	6	431
9105 A - 46 R 33 3	1.0	1.16	30	<2	40	<5	.45	<1	8	36	2	4.15	.18	10	.68	227	6	.08	<1	2270	32	15	<20	10	<.01	<10	67	<10	16	51
9105 A - 47 R 33 5	.8	.93	20	<2	35	<5	.31	<1	4	51	25	3.34	.19	<10	.58	259	3	.06	7	1320	18	15	<20	14	<.01	<10	57	<10	4	35
9105 A - 48 R 33 5	30.0	.32	1730	2	10	<5	.01	<1	2	120	6	4.17	.09	10	.32	37	28	.04	5	110	182	40	<20	3	<.01	<10	13	<10	3	160
9105 A - 49 R 33 5	.8	.48	185	<2	20	<5	.07	<1	5	87	2	2.73	.16	10	.30	71	14	.07	3	420	32	5	<20	3	<.01	<10	18	<10	6	91
9105 A - 50 R 33 3	8.2	.22	315	<2	10	<5	.12	<1	7	79	12	5.78	.14	10	.02	76	9	.07	3	610	60	20	<20	10	<.01	<10	17	<10	4	112
9105 A - 51 R 33 6	4.0	.28	110	<2	10	<5	.22	<1	5	68	21	3.44	.18	<10	.08	161	7	.06	5	930	54	20	<20	8	<.01	<10	16	<10	3	256
9105 A - 52 R 33 21	5.6	.33	195	<2	20	<5	.13	<1	6	71	19	3.53	.21	<10	.08	120	9	.06	4	780	68	15	<20	13	<.01	10	26	<10	5	355
9105 A - 53 R 33 6	1.8	.29	130	<2	5	<5	.04	<1	9	45	6	11.78	.20	10	.02	145	9	.06	1	1790	56	25	<20	9	<.01	<10	45	<10	4	331
9105 A - 54 R 33 6	2.6	.44	170	<2	20	<5	.08	2	4	115	6	2.56	.18	10	.21	98	18	.05	4	280	40	10	<20	5	<.01	<10	13	<10	5	1750
9105 A - 55 R 33 6	14.2	.10	125	<2	20	<5	<.01	<1	2	112	2	2.49	.13	10	.01	63	15	.05	3	90	40	10	<20	4	<.01	<10	7	<10	2	37
9105 A - 56 R 33 3	1.0	.66	40	<2	545	<5	<.01	<1	2	62	4	3.59	.11	20	.12	99	15	.07	1	130	28	10	<20	10	.01	<10	12	<10	6	202
9105 A - 57 R 33 7	1.6	.48	110	2	20	<5	.24	<1	7	89	7	2.96	.18	10	.13	111	12	.06	3	1230	36	15	<20	7	<.01	<10	34	<10	11	62
9105 A - 58 R 33 3	10.0	.11	105	<2	15	<5	.01	<1	4	146	6	2.30	.09	10	<.01	15	14	.05	5	100	48	10	<20	1	<.01	<10	10	<10	2	41
9105 A - 59 R 33 3	2.2	.04	80	2	10	<5	.05	<1	1	207	10	3.52	.04	<10	<.01	73	22	.05	3	110	60	25	<20	4	<.01	10	3	<10	1	620
9105 A - 60 R 33 7	5.8	.18	540	<2	<5	<5	<.01	<1	<1	107	<1	9.73	.03	<10	<.01	<1	19	.06	<1	120	30	20	<20	2	<.01	10	3	<10	3	30
9105 A - 61 R 33 44	6.6	.11	335	<2	15	<5	3.58	<1	11	120	17	>15.	.08	<10	<.01	2784	15	.04	<1	330	40	150	<20	73	<.01	10	7	<10	15	635
9105 A - 62 600 N 050W	.6	1.01	625	<2	20	<5	.07	<1	7	59	8	5.35	.14	<10	.47	203	84	.06	2	520	74	20	<20	16	<.01	10	32	<10	2	67
9105 A - 63 700 N 350W	.4	.33	140	<2	25	<5	.12	<1	<1	128	2	3.32	.18	<10	.07	271	13	.05	<1	110	140	5	<20	3	<.01	10	3	<10	6	125

ECD-TECH LABORATORIES LTD.

GRANGES EXPLORATION - ETS89-9105A

PAGE 3
ET#

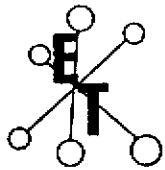
ET#	DESCRIPTIONS	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	NN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
9105 A - 64	700 N 339W	.2	.39	60	<2	50	<5	.72	<1	<1	127	16	2.41	.17	<10	.22	1012	17	.04	1	240	18	430	<20	10	<.01	10	4	<10	12	143
9105 A - 65	875 N 823W	2.2	.35	25	2	35	<5	.85	<1	20	48	6	11.12	.14	10	.34	>10000	6	.05	<1	2590	30	15	<20	29	<.01	<10	31	<10	29	251
9105 A - 66	815 N 921W	.4	.16	10	<2	80	<5	.86	<1	3	262	5	2.34	.12	10	.34	742	23	.05	6	250	8	<5	<20	37	<.01	<10	8	<10	7	61
9105 A - 67	803 N 860W	13.4	.46	145	<2	25	<5	1.56	<1	8	72	11	5.79	.16	<10	.45	5415	9	.04	1	1960	68	25	<20	40	<.01	<10	20	<10	24	247
9105 A - 68	875 N 820W	1.8	.85	55	<2	50	<5	3.44	<1	18	34	<1	7.00	.20	10	1.12	5271	11	.04	<1	2590	32	20	<20	66	<.01	<10	30	<10	27	104
9105 A - 69	900 N 400W #1	.4	.55	15	<2	80	<5	.25	<1	<1	50	4	2.83	.15	10	.16	404	5	.05	<1	1320	16	<5	<20	7	<.01	<10	13	<10	8	35
9105 A - 70	900 N 400W #2	1.0	.47	20	<2	45	<5	.15	<1	<1	65	2	2.36	.17	<10	.11	102	5	.04	<1	940	26	10	<20	6	<.01	<10	12	<10	6	86
9105 A - 71	925 N 300W	2.0	.36	25	2	190	<5	.04	<1	<1	51	2	1.34	.21	10	.08	173	5	.05	1	170	10	5	<20	3	<.01	<10	3	<10	4	72
9105 A - 72	1090 N 873W	17.2	.33	255	<2	5	<5	1.22	<1	10	64	<1	10.90	.16	10	.18	758	7	.04	<1	2700	74	55	<20	41	<.01	<10	19	<10	24	62
9105 A - 73	1038 N 500W	3.8	.17	105	2	115	<5	.01	<1	<1	132	2	1.01	.12	20	.01	45	17	.04	3	140	20	10	<20	3	<.01	<10	3	<10	4	62
9105 A - 74	1028 N 505W	4.6	.11	1125	<2	35	<5	.03	<1	<1	155	5	1.91	.11	20	<.01	52	14	.05	2	160	26	45	<20	4	<.01	<10	3	<10	4	33
9105 A - 75	1066 N 835W	.4	.18	50	<2	20	<5	1.45	<1	<1	117	<1	4.06	.14	<10	.41	857	11	.06	1	130	20	5	<20	29	<.01	<10	5	<10	8	93
9105 A - 76	1066 N 829W	.6	.22	55	<2	10	<5	1.71	<1	4	78	11	5.22	.14	10	.51	1234	11	.06	2	400	38	5	<20	39	<.01	<10	3	<10	15	73
9105 A - 77	1080 N 845W	22.6	.13	420	16	5	<5	4.56	92	5	58	15	>15.	.08	10	2.07	7603	183	.02	8	1530	384	155	<20	106	<.01	<10	27	<10	32	>10000
9105 A - 78	1060 N 820W	3.0	.45	120	<2	40	<5	6.56	26	28	63	10	11.25	.15	10	2.33	3924	21	.03	4	5290	80	70	<20	156	<.01	<10	71	<10	42	3959
9105 A - 79	1059 N 829W	1.6	.57	85	4	40	<5	1.22	<1	8	146	27	6.56	.19	30	.51	1271	26	.06	5	780	40	40	<20	41	<.01	<10	2	<10	22	342
9105 A - 80	1125 N 175W	.6	.94	<5	2	70	<5	.89	<1	2	165	10	3.27	.09	10	.58	1659	18	.05	5	520	10	10	<20	16	<.01	<10	3	<10	10	153
9105 A - 81	1125 N 244W	5.0	.38	710	4	15	<5	.43	<1	10	110	27	6.67	.14	10	.04	296	15	.05	3	2790	54	30	<20	7	<.01	<10	14	<10	17	154
9105 A - 82	1100 N 352W	<.2	.13	750	<2	10	<5	.05	<1	10	168	61	11.70	.07	<10	.02	145	29	.04	4	320	1426	160	<20	5	<.01	<10	7	<10	2	610
9105 A - 83	1100 N 365W	2.4	.26	95	2	70	<5	.01	<1	2	160	3	2.61	.18	20	.02	35	26	.04	3	190	32	15	<20	5	<.01	<10	2	<10	3	53
9105 A - 84	1125 N 975W	4.0	.46	90	6	10	<5	1.61	206	31	84	29	8.06	.20	<10	.24	2886	37	.04	7	2190	124	40	<20	94	<.01	<10	30	<10	17	>10000
9105 A - 85	1165 N 875W	63.0	.09	1255	2	10	<5	.23	1	10	225	26	12.22	.07	<10	.07	153	27	.03	3	360	360	390	<20	7	<.01	<10	7	<10	3	688
9105 A - 86	1320 N 875W	.4	.41	95	4	20	<5	1.10	<1	28	101	5	6.98	.18	<10	.23	1344	14	.04	3	2230	30	25	<20	49	<.01	<10	36	<10	13	96
9105 A - 87	1370 N 925W	.8	.22	100	<2	30	<5	.74	<1	11	268	4	3.91	.13	<10	.04	347	30	.06	10	430	32	15	<20	43	<.01	<10	7	<10	8	111
9105 A - 88	1420 N 850W	.2	.89	40	<2	40	<5	5.81	<1	22	121	3	7.74	.12	10	1.44	2538	16	.06	4	2230	26	30	<20	185	<.01	<10	43	<10	28	110
9105 A - 89	1400 N 1e3W	10.6	.27	1285	8	10	<5	.97	<1	47	190	33	>15.	.12	<10	.04	124	42	.05	14	1690	40	75	<20	54	<.01	<10	19	<10	13	276
9105 A - 90	1400 N 1e3W	2.4	.29	625	14	10	<5	1.47	<1	34	134	18	13.95	.16	<10	.15	578	35	.04	4	2210	46	40	<20	87	<.01	<10	28	<10	11	455
9105 A - 91	1428 N 653W	.4	.18	15	<2	5	<5	.21	<1	16	117	<1	11.44	.09	<10	.03	239	24	.04	3	1070	24	30	<20	13	<.01	<10	15	<10	6	91
9105 A - 92	1460 N 885W	.4	.58	15	<2	140	5	.33	<1	7	183	6	2.28	.10	10	.18	403	18	.05	5	670	40	5	<20	28	<.01	<10	4	<10	6	147
9105 A - 93	1510 N 830W	.6	.09	20	<2	35	<5	>15.	<1	2	40	<1	6.28	.01	<10	5.12	6874	12	.04	1	200	32	15	<20	532	<.01	60	8	<10	29	29
9105 A - 94	1520 N 830W	.4	1.64	20	2	65	<5	5.63	<1	13	82	5	7.79	.09	10	2.54	3035	16	.03	3	2080	18	20	<20	176	<.01	<10	74	<10	28	187

NOTE: < = LESS THAN

CC: B. GABOURY
GRANGES C/O JAYCOX INC.
BOX 3633, SMITHERS, B.C.
VOJ 2N0

FAK: JAYCOX
SC89/GRANGES134


ECD-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 14, 1989

CERTIFICATE OF ANALYSIS ETS #89-9117

Granges Exploration Ltd.
2300, 885 W. Georgia St.
VANCOUVER, B.C.
V6C 3E6

Attention: George Zbitnoff

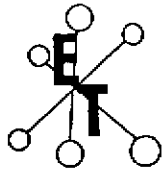
SAMPLE IDENTIFICATION: 43 ROCK samples received August 2, 1989
PROJECT NO: P134

ETK#	Description	Au (ppb)	AU (g/t)	AU (oz/t)
9117 - 1	870 N 055 E	50		
9117 - 2	875 N 010 E	<5		
9117 - 3	R 130 E 990 N	<5		
9117 - 4	R 150 E 980 N	<5		
9117 - 5	935 N 340 E	<5		
9117 - 6	930 N 010 E	<5		
9117 - 7	975 N 175 E	<5		
9117 - 8	R 40 3	<5		
9117 - 9	R 40 4	25		
9117 - 10	R 40 5	<5		
9117 - 11	R 40 6	<5		
9117 - 12	R 40 7	<5		
9117 - 13	R 50A 2	515		
9117 - 14	R 50A 3	>1000	1.12	.033
9117 - 15	R 50A 4	270		
9117 - 16	R 50A 5	115		
9117 - 17	R 50A 6	150		
9117 - 18	R 50A 7	435		
9117 - 19	R 50A 8	>1000	1.79	.052
9117 - 20	R 50A 9	185		
9117 - 21	R 50A 10	400		
9117 - 22	R 50A 11	>1000	4.63	.135
9117 - 23	R 50A 12	380		
9117 - 24	R 30 11	<5		
9117 - 25	R 30 12	<5		
9117 - 26	R 30 13	<5		
9117 - 27	765 N 080 E	<5		
9117 - 28	845 N 005 E	25		
9117 - 29	852 N 010 E	60		
9117 - 30	925 N 060 E	<5		

ICEY CLAIMS
1 & 2
ALTERATION ZONE

ZONE 1 GRID?

Douglas Howard
DOUG HOWARD, B.C. Certified Assayer



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

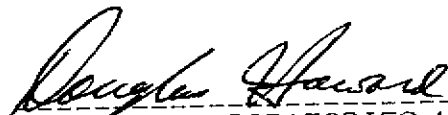
Granges Exploration Ltd.

AUGUST 14, 1989

ETK#	Description	Au (ppb)	Au (g/t)	Au (oz/t)
9117 - 31	R 180 E 1010 N	<5		
9117 - 32	1196 N 146 E	<5		
9117 - 33	1255 N 800 E	<5		
9117 - 34	1200 N 625 W	<5		
9117 - 35	1200 N 400 W	> 1000	1.44	
9117 - 36	1265 N 800 E	25		
9117 - 37	1200 N 775 W	<5		
9117 - 38	1350 N 675 E	<5		
9117 - 39	1305 N 700 E	<5		
9117 - 40	1410 N 690 E	<5		
9117 - 41	1525 N 750 W	<5		
9117 - 42	1530 N 750 W	<5		
9117 - 43	1600 N 775 W	<5		

ZONE 1
GRID ?

NOTE: < = LESS THAN
> = GREATER THAN


ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. Certified Assayer

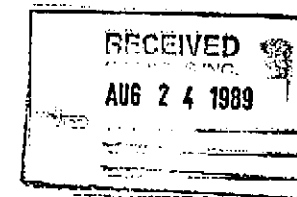
ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

GRANGES EXPLORATION - ETSB9-9117A

2300 - 885 WEST GEORGIA STREET
VANCOUVER, B.C.
6C 3E8

ATTENTION: GEORGE ZBITNOFF



AUGUST 16, 1989

VALUES IN PPM UNLESS OTHERWISE REPORTED

PROJECT: P. 134
43 ROCK SAMPLES RECEIVED AUGUST 2, 1989

ETH	DESCRIPTIONS	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	T(%)	U	V	W	Y	ZN		
9117A-	1	870N	05SE	1.6	.14	115	<2	10	<5	.10	<1	10	119	1	>15.	.10	<10	<.01	91	16	.03	2	260	124	30	<20	7	.01	10	8	10	2	159
9117A-	2	875N	010E	.4	1.50	15	4	45	<5	.11	<1	7	23	33	5.33	.09	<10	.63	104	6	.04	12	730	28	15	<20	10	<.01	40	37	<10	3	123
9117A-	3	R	130E	.8	.25	20	<2	15	<5	1.02	<1	15	43	2	6.64	.10	<10	.31	1132	7	.04	3	960	26	15	<20	72	<.01	10	17	<10	8	33
9117A-	4	R	150E	.4	.18	25	4	15	<5	.75	<1	10	23	<1	5.41	.08	<10	.19	543	<1	.04	<1	590	18	10	<20	23	<.01	50	16	<10	5	23
9117A-	5		935N	.4	1.25	5	6	30	<5	1.06	<1	9	171	2	4.53	.01	<10	.55	870	13	.04	4	900	30	10	<20	80	<.01	20	67	<10	6	95
9117A-	6		930N	2.6	.28	40	6	30	<5	2.55	<1	11	86	7	5.25	.02	<10	.47	1442	9	.04	4	1190	46	20	<20	152	<.01	40	16	30	10	807
9117A-	7		975N	.8	.26	10	4	15	<5	2.25	<1	27	25	5	6.58	.07	<10	.73	3942	1	.04	<1	1430	18	10	<20	68	<.01	60	26	<10	14	66
9117A-	8	R	40 3	1.6	.36	60	6	25	<5	.04	2	2	140	49	3.08	.04	<10	.27	258	15	.04	4	130	1674	10	<20	3	<.01	30	7	60	2	1848
9117A-	9	R	40 4	55.2	.24	85	8	5	<5	.02	52	37	35	871	>15.	.01	10	.05	63	15	.03	1	560	>10000	50	<20	5	<.01	60	6	1480	7	>10000
9117A-	10	R	40 5	<2	.05	195	14	10	<5	2.96	44	5	45	8952	>15.	.01	<10	1.29	2688	<1	.03	1	5270	>10000	220	<20	26	<.01	100	6	1520	5	>10000
9117A-	11	R	40 6	24.6	.49	105	8	15	<5	8.21	36	23	30	1283	>15.	.01	20	3.76	9138	<1	.03	10	850	>10000	110	<20	535	<.01	140	54	1110	36	>10000
9117A-	12	R	40 7	7.0	.01	205	14	5	5	1.87	48	28	25	115	14.54	.01	<10	1.88	5505	10	.04	<1	780	>10000	90	<20	<1	<.01	400	30	2200	1	>10000
9117A-	13	R	50A 2	3.8	.18	105	10	30	<5	1.95	<1	16	37	92	5.67	.11	<10	<.01	2516	2	.04	7	1840	178	10	<20	89	<.01	40	12	20	4	582
9117A-	14	R	50A 3	2.6	.19	115	6	20	<5	1.06	<1	20	40	53	5.61	.10	<10	<.01	1985	1	.04	8	2080	62	10	<20	47	<.01	50	11	<10	4	173
9117A-	15	R	50A 4	2.6	.19	130	10	25	<5	1.77	<1	26	37	116	6.29	.09	<10	<.01	2177	4	.04	8	2160	50	5	<20	105	<.01	20	12	<10	5	132
9117A-	16	R	50A 5	10.6	.25	210	12	30	<5	2.26	<1	37	41	229	8.82	.10	<10	.20	3806	<1	.05	11	2700	234	85	<20	103	<.01	60	15	10	13	551
9117A-	17	R	50A 6	3.0	.22	190	12	20	<5	.40	<1	26	44	62	7.73	.11	<10	<.01	139	1	.03	11	2340	32	30	<20	20	<.01	30	15	<10	4	101
9117A-	18	R	50A 7	3.8	.15	225	10	40	<5	2.43	<1	11	69	74	6.92	.12	<10	<.01	2465	9	.04	6	1990	38	20	<20	123	<.01	50	13	<10	3	104
9117A-	19	R	50A 8	7.4	.20	235	12	20	<5	1.85	<1	24	76	142	7.26	.12	<10	<.01	2623	11	.04	8	1280	56	35	<20	76	<.01	40	15	<10	5	127
9117A-	20	R	50A 9	4.4	.41	170	8	45	<5	.51	<1	17	94	216	5.30	.11	<10	.17	873	19	.04	9	1530	20	25	<20	30	<.01	30	25	<10	4	115
9117A-	21	R	50A 10	3.2	.19	45	<2	15	<5	2.43	<1	16	25	140	3.57	.01	<10	.17	1707	6	.03	6	740	46	5	<20	77	<.01	<10	8	<10	4	68
9117A-	22	R	50A 11	15.2	.14	555	<2	10	<5	.25	<1	18	56	130	6.30	.01	<10	<.01	115	7	.04	9	620	152	30	<20	11	<.01	10	6	<10	1	89
9117A-	23	R	50A 12	7.2	.15	85	<2	10	<5	1.19	<1	15	33	93	4.08	.10	<10	.02	1391	3	.02	11	650	26	25	<20	33	<.01	10	6	<10	2	115
9117A-	24	R	30 11	.2	.18	20	<2	165	<5	7.62	<1	10	26	44	5.38	.10	<10	2.63	2072	1	.02	3	740	32	5	<20	366	<.01	<10	32	<10	12	101
9117A-	25	R	30 12	.4	.18	290	<2	235	5	9.67	<1	8	13	73	3.46	.09	<10	3.19	1476	2	.02	12	630	48	10	<20	553	<.01	30	19	<10	10	59

ECO-TECH LABORATORIES LTD.

GRANGES EXPLORATION - ETS89-9117A

page 2
ETB

DESCRIPTIONS	AG	AL(Z)	AS	B	BA	BI	CA(Z)	CD	CO	CR	CU	FE(Z)	K(Z)	LA	HG(Z)	MN	MO	NA(Z)	NI	P	PB	SB	SN	SR	TI(Z)	U	V	W	Y	ZN
9117A- 26 R 30 13	.4	.13	65	<2	270	5	8.64	<1	10	73	42	3.46	.09	<10	2.10	1274	5	.02	30	580	54	10	<20	477	<.01	20	17	<10	10	65
9117A- 27 765N 080E	2.4	.61	120	<2	10	<5	5.00	<1	24	20	<1	8.92	.10	<10	1.72	3842	1	.03	<1	1380	42	10	<20	134	<.01	40	36	<10	16	63
9117A- 28 845N 005E	1.4	.17	270	<2	10	<5	.17	<1	15	44	<1	11.89	.12	<10	<.01	97	3	.04	2	340	36	15	<20	7	.01	10	7	<10	3	26
9117A- 29 852N 010E	.6	.22	15	<2	5	<5	.39	<1	8	46	1	9.99	.10	<10	<.01	92	4	.03	1	1210	30	10	<20	20	<.01	30	7	<10	5	68
9117A- 30 925N 060E	.2	1.66	5	<2	20	<5	1.09	<1	7	136	4	4.57	.12	<10	.59	386	10	.04	4	510	32	5	<20	116	<.01	<10	50	<10	5	97
9117A- 31 R 180E 1010N	.8	.20	30	<2	10	<5	1.44	<1	23	26	<1	8.77	.09	<10	.32	995	3	.06	<1	1450	28	5	<20	62	<.01	30	17	<10	14	82
9117A- 32 1196N 146E	1.2	2.15	35	<2	25	<5	2.41	<1	23	31	<1	9.36	.08	<10	1.28	2064	3	.04	2	1540	200	20	<20	80	<.01	20	140	10	10	362
9117A- 33 1255N 800E	.6	.18	105	<2	15	<5	.22	<1	11	41	51	8.04	.07	<10	<.01	10	<1	.05	15	1140	20	330	<20	28	<.01	<10	12	<10	3	53
9117A- 34 1200N 625W	.4	.19	30	<2	15	<5	.13	<1	4	42	1	5.10	.04	<10	<.01	120	3	.03	<1	1390	26	5	<20	17	<.01	10	13	<10	6	110
9117A- 35 1200N 400W	<.2	.15	510	<2	20	<5	.11	<1	5	83	72	4.42	.08	<10	<.01	74	7	.03	<1	920	878	45	<20	7	<.01	<10	17	10	3	494
9117A- 36 1265N 800E	1.2	.21	70	<2	35	<5	2.69	<1	12	57	43	4.95	.04	<10	.68	768	3	.04	15	1190	26	15	<20	258	<.01	10	20	<10	8	65
9117A- 37 1200N 775W	2.0	.14	55	<2	20	<5	.61	<1	9	49	<1	4.83	.08	<10	.03	3063	4	.04	1	1450	22	20	<20	12	<.01	10	21	<10	10	79
9117A- 38 1350N 675E	.4	.12	5	2	45	<5	3.43	<1	6	104	33	2.66	.04	<10	.63	619	7	.04	8	1590	18	5	<20	274	<.01	10	10	<10	9	27
9117A- 39 1305N 700E	1.6	.17	115	<2	10	<5	1.2	<1	16	76	7	7.37	.14	<10	.21	842	7	.07	<1	1639	128	10	<20	108	<.01	20	10	<10	9	468
9117A- 40 1410N 690E	.7	.09	10	<2	80	<5	5.55	<1	5	119	31	1.4	.04	<10	.22	378	9	.05	<1	605	40	<5	<20	539	<.01	10	7	<10	6	89
9117A- 41 1525N 750W	.4	2.1	5	<2	35	<5	5.27	<1	14	30	<1	6.7	.03	<10	1.58	2390	6	.04	<1	2585	18	10	<20	134	.01	20	141	10	23	162
9117A- 42 1530N 750W	.4	1.89	10	6	20	<5	3.20	<1	10	28	<1	5.34	.02	10	1.25	1769	4	.05	<1	2540	18	10	<20	84	.01	50	157	<10	22	137
9117A- 43 1600N 775W	.4	.58	5	6	20	<5	.94	<1	8	45	1	4.29	.07	<10	.41	390	18	.05	3	1840	18	5	<20	18	<.01	30	45	<10	15	64

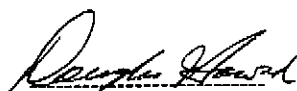
NOTE: < = LESS THAN

CC: B. GABOURY

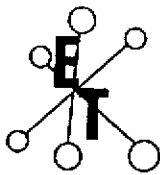
GRANGES C/O JAYCOX IND.
BOX 3633, SMITHERS, B.C.
V0J 2N0

FAX: JAYCOX

SC89/GRANGES134



ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 16, 1989

CERTIFICATE OF ANALYSIS ETK 89-562

GRANGES EXPLORATIONS LTD.
2300, 885 WEST GEORGIA ST.
VANCOUVER, B.C.
V6C 3E6

20021

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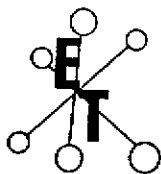
ATTENTION: GEORGE ZBITNOFF

SAMPLE IDENTIFICATION: 140 SOIL samples received AUGUST 4, 1989

PROJECT: P. 134

SHIPMENT NO:4

ET#	Description	Au (ppb)
562 - 1	L 700 N 100 W	10
562 - 2	700 N 0 + 00 E	15
562 - 3	700 N 10 E	15
562 - 4	700 N 100 E	10
562 - 5	700 N 150 E	5
562 - 6	700 N 200 E	10
562 - 7	700 N 250 E	5
562 - 8	700 N 300 E	5
562 - 9	700 N 350 E	<5
562 - 10	700 N 400 E	<5
562 - 11	700 N 450 E	15
562 - 12	700 N 500 E	20
562 - 13	700 N 550 E	<5
562 - 14	700 N 600 E	30
562 - 15	700 N 650 E	20
562 - 16	700 N 700 E	10
562 - 17	700 N 750 E	5
562 - 18	700 N 800 E	15
562 - 19	700 N 850 E	<5
562 - 20	700 N 900 E	5
562 - 21	L 800 N 0 + 00(BL) N	<5
562 - 22	L 800 N 100 N	5
562 - 23	L 800 N 0 + 50 E	40
562 - 24	L 800 N 100 E	10
562 - 25	L 800 N 150 E	<5
562 - 26	L 800 N 200 E	<5
562 - 27	L 800 N 2 + 50 E	70
562 - 28	L 800 N 3 + 00 E	95
562 - 29	L 800 N 350 E	95
562 - 30	L 800 N 400 E	10



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

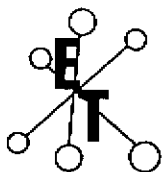
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

GRANGES EXPLORATIONS LTD.

AUGUST 16, 1989

ET#	Description	Au (ppb)
562 - 31	L 800 N 450 E	25
562 - 32	L 800 N 500 E	15
562 - 33	L 800 N 5 + 50 E	40
562 - 34	L 800 N 600 E	10
562 - 35	L 800 N 650 E	<5
562 - 36	L 800 N 700 E	<5
562 - 37	L 800 N 750 E	<5
562 - 38	L 800 N 800 E	5
562 - 39	L 800 N 850 E	<5
562 - 40	L 800 N 900 E	10
562 - 41	L 800 N 9 + 50 E	5
562 - 42	L 9 + 00 N 0 + 00(BL)	15
562 - 43	L 9 + 00 N 0 + 50 N	<5
562 - 44	L 9 + 00 N 1 + 00 E	5
562 - 45	L 9 + 00 N 2 + 00 E	<5
562 - 46	L 900 N 400 E	15
562 - 47	L 900 N 450 E	285
562 - 48	L 900 N 500 E	25
562 - 49	L 900 N 600 E	10
562 - 50	L 900 N 700 E	5
562 - 51	L 900 800 E	15
562 - 52	L 900 900 E	<5
562 - 53	L 900 100 W	10
562 - 54	L 10 + 00 N 0 + 00(BL)	15
562 - 55	1000 N 200 E	5
562 - 56	1000 N 250 E	10
562 - 57	1000 N 3 + 00 E	<5
562 - 58	L 10 + 00 N 3 + 50 E	15
562 - 59	L 10 + 00 N 4 + 00 E	<5
562 - 60	L 10 + 00 N 4 + 50 E	10
562 - 61	L 10 + 00 N 5 + 00 E	10
562 - 62	L 10 + 00 N 6 + 00 E	5
562 - 63	L 10 + 00 N 7 + 00 E	<5
562 - 64	L 10 + 00 N 8 + 00 E	5
562 - 65	L 11 + 00 0 + 00(BL)	25
562 - 66	L 1100 N 500 W	15
562 - 67	L 1100 N 5 + 00 W	10
562 - 68	L 1100 N 600 W	35
562 - 69	L 1100 N 650 W	30
562 - 70	L 1100 N 7 + 00 W	20
562 - 71	L 1100 N 7 + 50 W	30
562 - 72	L 1100 N 8 + 00 W	60
562 - 73	L 11 + 00 N 1 + 00 E	35
562 - 74	L 11 + 00 N 300	15
562 - 75	L 11 + 00 N 350	5

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ECO-TECH LABORATORIES LTD.

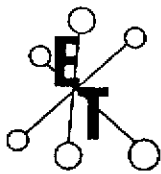
ASSAYING - ENVIRONMENTAL TESTING

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GRANGES EXPLORATIONS LTD.

AUGUST 16, 1989

ET#	Description							Au (ppb)
562 - 76	L	11	+ 00	N	4	+ 00	E	110
562 - 77	L	11	+ 00	N	450		E	15
562 - 78	L	11	+ 00	N	500		E	15
562 - 79	L	11	+ 00	N	600		E	<5
562 - 80	L	11	+ 00	N	800		E	<5
562 - 81	L	12	+ 00	N	0	+ 00		20
562 - 82		1200	N		100	E		15
562 - 83		1200	N		200	E		<5
562 - 84		1200	N		350	E		5
562 - 85		1200	N		400	E		10
562 - 86		1200	N		450	E		35
562 - 87		1200	N		500	E		5
562 - 88		1200	N		600	E		15
562 - 89		1200	N		700	E		<5
562 - 90		1200	N		800	E		<5
562 - 91	L	1300	N		100	E		10
562 - 92	L	1300	N		400	E		<5
562 - 93	L	1300	N		500	E		25
562 - 94	L	1300	N		500	E		40
562 - 95	L	1300	N		600	E		<5
562 - 96	L	1300	N		700	E		5
562 - 97	L	1300	N		800	E		<5
562 - 98		1400	N		200	E		5
562 - 99		1400	N		300	E		<5
562 - 100		1400	N		400	E		<5
562 - 101		1400	N		500	E		10
562 - 102		1400	N		600	E		15
562 - 103		1400	N		700	E		15
562 - 104		1500	N		250	W		10
562 - 105		1500	N		300	W		<5
562 - 106		1500	N		350	W		<5
562 - 107		1500	N		400	W		10
562 - 108		1500	N		450	W		15
562 - 109		1500	N		500	W		20
562 - 110		15	+ 00	N	5	+ 50	W	<5
562 - 111		15	+ 00	N	6	+ 00	W	<5
562 - 112		15	+ 00	N	650	W		5
562 - 113		15	+ 00	N	7	+ 00	W	15
562 - 114		15	+ 00	N	7	+ 50	W	30
562 - 115		1600	N		250	W		25
562 - 116		1600	N		300	W		10
562 - 117		1600	N		350	W		30
562 - 118		1600	N		400	W		10
562 - 119		1600	N		450	W		25
562 - 120		1600	N		500	W		10



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GRANGES EXPLORATIONS LTD.

AUGUST 16, 1989

ET#	Description	Au (ppb)
562 - 121	1600 N 550 W	5
562 - 122	1600 N 600 W	35
562 - 123	1600 N 650 W	10
562 - 124	1600 N 700 W	30
562 - 125	1600 N 750 W	5
562 - 126	1700 N 300 W	15
562 - 127	1700 N 350 W	5
562 - 128	1700 N 400 W	20
562 - 129	1700 N 450 W	15
562 - 130	1700 N 500 W	5
562 - 131	1700 N 550 W	<5
562 - 132	1700 N 600 W	50
562 - 133	1700 N 650 W	20
562 - 134	1700 N 700 W	20
562 - 135	1700 N 750 W	5
562 - 136	5 / 30 / 1	40
562 - 137	5 / 30 / 2	>1000
562 - 138	5 / 30 / 3	45
562 - 139	5 / 30 / 4	80
562 - 140	5 / 30 / 5	60

THIS →
could be
"5"

} THIS IS PROBABLY
TRAVERSE 30
PLOTTED AS TRAVERSE 30

} LOC

NOTE: < = LESS THAN
> = GREATER THAN

Douglas Howard
ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER

CC: GRANGES INC.
C/O JAYCOX INDUSTRIES
BOX 3633, SMITHERS, B.C.
VOJ 2N0
FAX: JAYCOX

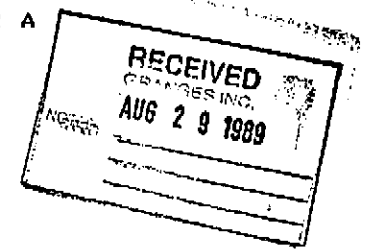
SC89/GRANGE2

ECD-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

GRANGES EXPLORATION - ETK89-562 A

2300 - 885 WEST GEORGIA STREET
VANCOUVER, B.C.
V6C 3E8



AUGUST 24, 1989

ATTENTION: GEORGE ZBITNOFF

VALUES IN PPM UNLESS OTHERWISE REPORTED

PROJECT: P. 134 SHIPMENT 4
140 SOTL SAMPLES RECEIVED AUG.4, 1989

ET#	DESCRIPTIONS	(AG)	AL (%)	(AS)	B	BA	BI	CA (%)	CD	CO	CR	CU	FE (%)	K (%)	LA	MG (%)	MN	MO	NA (%)	NI	P	(PB)	SB	SN	SR	TI (%)	U	V	W	Y	(ZN)
562 A- 1	L 700N 100W	.4	1.87	30	2	100	<5	1.00	<1	23	24	74	4.65	.30	10	1.27	957	2	.13	16	2320	14	10	<20	63	.12	20	121	10	8	80
562 A- 2	700N 0+00 E	.6	1.43	15	<2	105	<5	1.04	<1	20	18	90	4.97	.17	10	1.21	809	3	.12	23	2600	12	10	<20	86	.10	20	145	<10	10	91
562 A- 3	700N 10E	.2	1.82	15	4	120	<5	1.18	<1	22	23	85	5.10	.23	10	1.40	936	2	.14	21	2800	14	15	<20	91	.14	30	164	10	10	88
562 A- 4	700N 100E	1.2	1.48	15	2	115	<5	.97	<1	18	17	72	4.60	.13	10	1.11	932	1	.10	16	2510	12	10	<20	76	.08	<10	148	<10	11	75
562 A- 5	700N 150E	.6	1.70	15	2	125	<5	1.09	<1	18	17	79	4.80	.19	<10	1.28	896	2	.12	18	2650	12	10	<20	87	.08	20	171	<10	10	75
562 A- 6	700N 200E	.4	1.54	15	<2	125	<5	1.03	<1	23	19	66	4.70	.15	10	1.29	880	2	.13	22	2240	10	15	<20	78	.15	30	130	<10	10	83
562 A- 7	700N 250E	.8	1.61	10	<2	90	<5	1.05	<1	24	19	59	4.92	.14	10	1.38	748	2	.17	22	1950	12	10	<20	91	.20	30	127	10	10	81
562 A- 8	700N 300E	.8	1.67	10	<2	45	<5	.34	<1	8	15	18	3.35	.05	10	.19	544	3	.06	7	1180	16	5	<20	29	.07	<10	64	<10	5	35
562 A- 9	700N 350E	.2	.70	15	<2	55	<5	.09	<1	3	13	12	2.27	.03	<10	.11	82	4	.05	5	780	10	5	<20	10	.03	10	64	<10	1	21
562 A- 10	700N 400E	.8	2.15	45	<2	205	<5	1.22	<1	25	30	104	4.79	.10	20	1.08	1877	2	.06	36	1650	24	20	<20	123	.06	30	117	10	23	144
562 A- 11	700N 450E	.6	1.91	70	<2	140	<5	.56	<1	31	26	64	4.67	.07	20	.82	1678	5	.05	18	1850	20	10	<20	57	.02	30	95	<10	17	89
562 A- 12	700N 500E	.6	2.25	30	<2	120	<5	.44	<1	20	27	67	4.24	.08	10	.92	1030	2	.05	21	1250	18	15	<20	34	.04	20	117	10	10	96
562 A- 13	700N 550E	.4	1.88	10	<2	265	<5	1.10	<1	20	16	85	5.13	.26	<10	1.53	800	1	.18	17	2580	14	10	<20	110	.08	10	187	10	8	70
562 A- 14	700N 600E	.4	1.95	20	<2	85	<5	.53	<1	16	28	60	3.84	.08	10	.92	502	3	.10	25	1340	16	15	<20	45	.14	30	105	10	17	86
562 A- 15	700N 650E	.4	1.86	30	<2	130	<5	.54	<1	23	37	90	4.35	.07	10	1.11	1177	4	.05	36	1810	18	15	<20	30	.09	50	113	10	12	122
562 A- 16	700N 700E	.6	1.84	15	<2	65	<5	1.17	<1	24	33	79	4.98	.21	10	1.84	921	1	.13	27	1730	16	10	<20	65	.22	40	146	10	9	73
562 A- 17	700N 750E	1.4	.91	40	<2	90	<5	.72	<1	21	17	125	5.44	.10	10	.64	2065	2	.04	26	2240	26	15	<20	38	.03	30	83	<10	17	98
562 A- 18	700N 800E	.4	2.07	5	<2	60	<5	1.30	<1	29	44	89	5.03	.24	10	2.00	1000	2	.12	34	2170	14	20	<20	68	.23	30	155	10	11	83
562 A- 19	700N 850E	.4	1.88	10	<2	60	<5	1.26	<1	26	56	85	4.55	.22	10	2.03	842	3	.10	39	2110	12	10	<20	64	.17	20	139	<10	10	76
562 A- 20	700N 900E	.4	1.87	10	4	60	<5	1.36	<1	23	57	81	4.19	.24	<10	1.82	813	3	.10	39	2100	12	10	<20	67	.17	30	129	10	9	76
562 A- 21	L 800N 0+00 (BL)	.2	2.11	20	<2	155	<5	1.29	<1	26	32	110	5.15	.32	10	1.55	970	3	.11	23	3220	18	25	<20	86	.11	50	145	10	12	107
562 A- 22	L 800N 100E W?	.2	1.43	20	<2	95	<5	1.63	<1	16	22	70	3.92	.28	10	1.00	609	1	.10	15	2380	12	15	<20	83	.08	70	100	10	9	71
562 A- 23	L 800N 0+ 50E	.4	.86	5	<2	45	<5	.16	<1	9	10	16	1.40	.05	10	.14	124	1	.05	4	490	14	5	<20	15	.22	20	50	<10	3	22
562 A- 24	L 800N 100E	.2	1.84	15	2	135	<5	1.25	<1	25	23	82	5.43	.23	10	1.44	896	3	.14	21	2750	14	15	<20	100	.16	40	168	10	10	85
562 A- 25	L 800N 150E	.2	1.57	20	<2	110	<5	.93	<1	19	24	75	4.22	.16	10	1.21	796	4	.10	21	2460	14	15	<20	68	.08	70	135	<10	11	77
562 A- 26	L 800N 200E	.2	1.49	20	<2	130	<5	1.34	<1	17	21	77	4.25	.15	10	1.11	708	2	.08	18	2440	12	10	<20	82	.06	50	128	<10	10	77

ETA	DESCRIPTIONS	AG	AL(X)	AS	B	BA	BI	CA(X)	CD	CO	CR	CU	FE(X)	K(X)	LA	MG(X)	MN	MO	NA(X)	NI	P	PB	SB	SN	SR	TI(X)	U	V	W	Y	ZN
562 A- 27	L 800N 2+ 50E	.4	1.57	20	<2	140	<5	.89	<1	19	23	81	4.52	.14	10	1.18	848	2	.09	21	2670	14	15	<20	68	.07	60	130	<10	12	91
562 A- 28	L 900N 3+00 E	1.2	.83	5	<2	40	<5	.15	<1	9	14	14	1.39	.03	<10	.12	117	1	.05	4	490	14	5	<20	14	.28	30	51	<10	3	19
562 A- 29	L 800N 350E	.6	1.27	10	2	140	<5	2.70	<1	14	9	33	1.69	.07	10	.55	2117	2	.08	20	940	6	5	<20	400	.08	50	29	<10	12	76
562 A- 30	L 800N 400E	.8	2.40	25	<2	45	<5	.32	<1	18	22	37	4.16	.06	10	.57	530	2	.09	15	820	18	10	<20	27	.12	70	71	<10	13	98
562 A- 31	L 800N 450E	.6	1.04	5	<2	110	<5	1.63	<1	20	8	13	2.60	.07	10	.66	2010	2	.10	12	810	10	5	<20	174	.13	50	48	10	11	64
562 A- 32	L 800N 500E	.8	.86	10	<2	120	<5	.87	<1	12	9	12	2.44	.06	10	.37	1598	5	.07	7	820	8	<5	<20	73	.06	60	57	10	5	76
562 A- 33	L 800N 5+ 50E	.6	2.30	35	<2	105	<5	.28	<1	16	33	69	3.92	.04	10	.96	719	2	.05	30	590	16	15	<20	29	.04	50	89	<10	17	101
562 A- 34	L 800N 600E	.6	2.02	15	6	90	<5	1.13	<1	24	37	101	4.67	.19	10	1.66	906	<1	.10	26	2620	10	15	<20	75	.19	60	149	<10	12	89
562 A- 35	L 800N 650E	.6	1.67	5	<2	70	<5	1.03	<1	24	47	89	4.30	.22	10	1.62	803	1	.09	32	2480	12	10	<20	61	.13	40	132	10	10	79
562 A- 36	L 800N 700E	.6	1.50	5	<2	55	<5	1.72	<1	21	41	62	3.49	.19	10	1.50	628	3	.10	22	1890	8	5	<20	83	.14	80	109	<10	9	56
562 A- 37	L 800N 750E	.6	2.15	10	2	70	<5	1.44	<1	36	51	111	5.13	.36	10	2.05	1005	6	.15	31	2560	14	10	<20	88	.25	40	164	<10	11	88
562 A- 38	L 800N 800E	.2	1.79	10	<2	60	<5	1.13	<1	22	45	81	4.19	.23	10	1.70	780	4	.12	25	2250	12	10	<20	63	.19	70	133	<10	10	72
562 A- 39	L 800N 850E	.4	1.92	10	<2	85	<5	1.21	<1	29	29	94	5.63	.34	10	1.98	1046	7	.12	18	3100	16	10	<20	93	.14	30	197	10	11	89
562 A- 40	L 800N 900E	.4	1.80	10	<2	40	<5	.93	<1	29	54	73	4.72	.23	<10	1.82	861	5	.13	34	2100	12	10	<20	58	.20	40	136	<10	9	81
562 A- 41	L 800N 9+ 50E	.4	2.24	20	6	230	<5	1.30	<1	43	62	98	6.10	.30	10	2.17	1248	5	.14	54	2470	10	15	<20	74	.24	70	155	10	11	111
562 A- 42	L 9+ 00N 0+ 00(BL)	.4	2.00	35	<2	120	<5	1.26	<1	30	32	98	5.35	.35	10	1.37	1079	2	.12	29	3020	14	10	<20	76	.12	50	149	10	9	116
562 A- 43	L 9+ 00N 0+ 50(E)	.6	2.18	45	<2	140	<5	1.21	<1	33	34	101	6.33	.36	10	1.44	1323	7	.13	23	3020	40	15	<20	77	.13	50	149	10	11	220
562 A- 44	L 9+ 00N 1+ 00E	.6	1.89	15	<2	180	<5	1.09	<1	30	21	66	5.74	.21	10	1.44	1139	6	.17	16	3050	12	10	<20	94	.19	60	144	10	12	93
562 A- 45	L 9+ 00N 2+ 00E	.4	1.54	15	<2	95	<5	.97	<1	23	20	68	5.39	.16	10	1.31	924	7	.11	16	3040	8	15	<20	87	.12	60	164	<10	10	87
562 A- 46	L 900N 400E	.4	3.11	35	<2	30	<5	.07	<1	18	25	35	5.34	.04	10	.46	679	8	.05	11	870	16	20	<20	5	.08	50	82	20	8	85
562 A- 47	L 900N 450E	.6	.65	10	40	80	<5	3.00	<1	12	2	23	1.75	.10	<10	.64	294	2	.13	6	850	8	10	<20	416	.14	30	32	<10	4	87
562 A- 48	L 900N 500E	.6	.99	5	<2	60	<5	1.51	<1	22	6	9	2.85	.08	<10	.92	678	5	.14	11	600	4	5	<20	187	.26	50	59	<10	6	61
562 A- 49	L 900N 600E	.4	1.96	15	<2	45	<5	1.01	<1	34	56	117	5.54	.24	10	1.78	1184	5	.10	39	2840	14	20	<20	52	.15	60	159	10	10	100
562 A- 50	L 900N 700E	.8	1.68	15	<2	75	<5	1.06	<1	28	31	66	5.41	.23	10	1.55	844	6	.16	26	2610	12	10	<20	80	.23	50	159	10	10	83
562 A- 51	L 900 800E	.6	1.94	5	<2	65	<5	1.20	<1	35	56	81	5.34	.22	10	1.96	1087	5	.15	38	2480	12	10	<20	76	.26	70	149	20	11	97
562 A- 52	L 900 900E	.6	1.68	10	4	60	<5	1.01	<1	32	54	75	4.88	.23	10	1.84	894	6	.13	32	2240	8	10	<20	64	.20	30	138	10	9	89
562 A- 53	L 900 100N	.8	1.59	40	<2	105	<5	.89	<1	25	26	76	5.65	.20	10	1.14	1209	4	.10	22	2830	78	10	<20	52	.11	70	120	10	11	270
562 A- 54	L 10+ 00N 0+ 00(BL)	.6	1.46	20	<2	95	<5	1.33	<1	21	22	66	4.58	.27	10	1.05	786	6	.11	15	2670	18	10	<20	84	.10	30	117	10	8	97
562 A- 55	1000N 200E	.6	1.57	20	<2	75	<5	.96	<1	28	17	54	6.49	.15	10	1.42	1135	5	.15	19	2340	10	15	<20	79	.22	50	141	10	11	104
562 A- 56	1000N 250E	.6	1.64	30	<2	80	<5	.67	<1	22	20	51	4.86	.08	10	.98	803	2	.09	21	2110	12	10	<20	50	.09	50	102	10	10	113
562 A- 57	1000N 3+ 00E	.4	1.38	20	<2	85	<5	.70	<1	19	24	52	4.55	.09	10	1.03	919	4	.08	17	2460	8	10	<20	53	.06	10	115	<10	10	84
562 A- 58	L 10+ 00N 3+ 50E	.6	.62	10	<2	25	<5	.07	<1	3	10	6	2.26	.03	<10	.20	105	3	.05	<1	1450	4	10	<20	7	.11	60	49	<10	1	26
562 A- 59	L 10+ 00N 4+ 00E	.6	1.63	20	<2	145	<5	.91	<1	17	24	81	4.52	.15	10	1.25	852	6	.09	22	2530	8	15	<20	70	.06	<10	151	<10	11	85
562 A- 60	L 10+ 00N 4+ 50E	.6	3.37	35	<2	70	<5	.22	<1	17	31	50	4.60	.05	20	.74	839	7	.08	18	1170	10	25	<20	20	.11	60	102	10	15	92
562 A- 61	L 10+ 00N 5+ 00E	.6	2.09	20	<2	35	<5	.14	<1	5	18	20	3.81	.04	10	.30	458	4	.06	7	1250	12	10	<20	11	.05	70	69	<10	7	67
562 A- 62	L 10+ 00N 6+ 00E	.8	2.17	10	<2	70	<5	1.43	<1	36	41	76	5.00	.19	10	2.01	940	4	.17	34	1900	10	20	<20	104	.35	20	139	<10	11	94
562 A- 63	L 10+ 00N 7+ 00E	.4	1.67	10	10	55	<5	1.08	<1	23	39	67	3.88	.20	10	1.59	690	5	.14	25	2090	10	10	<20	67	.16	70	133	<10	10	69

ECO-TECH LABORATORIES LTD.

GRANGES EXPLORATION - ETK89-562 A

PAGE 3

ETH	DESCRIPTIONS	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
562 A-64	L 10+ 00N 8+ 00E	.4	2.39	10	<2	120	<5	1.25	<1	26	43	110	5.08	.33	10	1.97	944	4	.13	31	2210	12	20	<20	64	.15	40	164	<10	10	91
562 A-65	L 11+ 00 0+ 00(BL)	1.4	.66	110	<2	115	<5	.47	<1	21	8	42	5.93	.07	10	.37	1481	9	.06	10	1380	38	15	<20	25	.03	20	40	<10	14	185
562 A-66	L 1100N 300N	1.4	4.37	25	<2	60	<5	.07	<1	8	25	51	5.27	.08	30	.47	573	8	.08	20	630	22	30	<20	4	.05	30	44	<10	17	137
562 A-67	L 1100N 5+ 00W	.8	1.39	20	<2	75	<5	1.01	<1	22	23	52	3.71	.11	10	1.11	950	5	.09	30	1920	10	10	<20	51	.13	50	88	<10	8	102
562 A-68	L 1100N 600 W	.6	1.65	25	6	100	<5	1.06	<1	22	28	85	4.06	.16	10	1.22	954	5	.08	34	2290	16	15	<20	51	.12	30	102	<10	12	128
562 A-69	L 1100N 650 W	.8	1.55	35	2	110	<5	1.00	<1	18	25	67	3.79	.19	10	1.10	932	5	.07	23	2010	14	10	<20	47	.10	30	102	<10	11	124
562 A-70	L 1100N 7+ 00W	1.0	1.32	30	<2	70	<5	1.31	<1	15	22	51	3.34	.14	10	1.13	641	3	.10	17	1810	10	15	<20	63	.11	10	81	<10	9	95
562 A-71	L 1100N 7+ 50W	1.0	1.46	40	<2	75	<5	1.35	<1	17	25	77	3.84	.21	10	1.13	720	4	.09	21	2080	18	10	<20	63	.09	50	98	<10	9	100
562 A-72	L 1100N 8+ 00W	1.0	1.49	35	<2	95	<5	1.14	<1	20	22	66	3.88	.12	10	1.05	889	5	.06	22	1800	20	10	<20	53	.09	80	88	10	11	130
562 A-73	L 11+ 00N 1+ 00E	.6	1.95	5	4	70	<5	1.20	<1	25	44	80	4.41	.23	10	1.83	770	5	.12	31	2090	10	10	<20	67	.17	40	144	<10	10	75
562 A-74	L 11+ 00N 300 ?E	.6	1.50	15	<2	110	<5	.83	<1	16	20	58	3.85	.10	10	1.06	675	4	.10	15	1900	8	10	<20	69	.08	70	110	<10	10	76
562 A-75	L 11+ 00N 350 ?E	1.2	2.63	15	<2	75	<5	.44	<1	19	17	13	4.81	.05	30	.19	1473	15	.05	4	780	18	20	<20	35	.12	20	56	<10	25	82
562 A-76	L 11+ 00N 4+ 00E	.4	3.06	75	<2	65	<5	.19	<1	19	34	47	5.15	.04	30	.86	664	3	.05	24	690	30	15	<20	12	.06	40	89	<10	28	98
562 A-77	L 11+ 00N 450 E	.6	1.08	20	<2	70	<5	.06	<1	6	20	14	4.33	.02	<10	.06	79	5	.04	5	530	14	10	<20	9	.11	70	118	<10	2	24
562 A-78	L 11+ 00N 500 E	.4	1.84	50	<2	110	<5	.75	<1	28	34	67	4.52	.08	10	1.03	1640	4	.06	25	2180	22	10	<20	36	.09	60	112	10	15	93
562 A-79	L 11+ 00N 600 E	.6	1.87	10	<2	80	<5	1.16	<1	25	41	65	4.59	.20	10	1.51	875	3	.14	24	2760	14	5	20	66	.18	60	141	10	10	75
562 A-80	L 11+ 00N 800 E	.4	2.07	20	<2	135	<5	1.32	<1	26	44	71	4.47	.38	10	1.57	1092	8	.13	26	2870	16	15	<20	67	.10	30	148	10	10	80
562 A-81	L 12+ 00N 0+ 00	.6	.55	35	<2	110	<5	.35	<1	15	5	23	4.34	.05	<10	.30	741	3	.04	11	1070	24	5	<20	14	.01	40	26	10	11	90
562 A-82	L 1200N 100E	.4	1.61	15	<2	120	<5	.61	<1	23	16	49	4.88	.12	<10	.86	883	5	.10	18	2130	18	10	<20	35	.09	60	68	<10	9	108
562 A-83	L 1200N 200E	.4	1.31	10	<2	90	<5	.34	<1	17	15	44	4.35	.06	<10	.79	676	3	.06	16	1450	20	10	<20	19	.03	40	53	10	8	93
562 A-84	L 1200N 350E	.8	1.05	15	<2	30	<5	.19	<1	8	14	7	5.79	.03	10	.13	210	5	.06	4	510	14	10	<20	16	.16	30	88	10	5	34
562 A-85	L 1200N 400E	.6	2.86	30	<2	40	<5	.12	<1	26	24	22	5.81	.05	30	.40	1617	6	.05	15	1090	24	20	<20	8	.10	30	74	10	26	81
562 A-86	L 1200N 450E	.8	1.88	30	<2	55	<5	.53	<1	25	29	36	4.55	.06	10	.87	1062	3	.09	19	1720	20	10	<20	27	.09	60	93	<10	16	87
562 A-87	L 1200N 500E	.6	1.75	10	<2	45	<5	.92	<1	23	34	50	3.88	.15	10	1.25	665	4	.17	21	2060	10	10	<20	54	.18	80	116	10	8	62
562 A-88	L 1200N 600E	.6	1.71	10	2	85	<5	1.26	<1	27	45	66	4.72	.22	10	1.55	919	6	.18	25	2360	16	20	<20	64	.20	60	138	10	12	79
562 A-89	L 1200N 700E	.4	2.13	10	2	80	<5	1.21	<1	35	45	80	4.37	.25	10	1.33	1041	5	.14	29	3120	14	5	<20	55	.17	40	158	20	11	84
562 A-90	L 1200N 800E	.2	1.62	15	14	65	<5	1.08	<1	26	38	55	4.96	.17	10	1.40	878	3	.15	23	2910	14	10	<20	75	.16	60	151	<10	11	61
562 A-91	L 1300N 100E	.8	1.67	20	6	105	<5	1.95	<1	23	20	48	4.20	.22	10	1.03	770	6	.12	15	2400	16	15	<20	84	.07	50	108	10	8	71
562 A-92	L 1300N 400E	.4	2.02	25	<2	140	<5	.96	<1	25	33	45	4.43	.11	10	1.04	876	4	.11	28	1860	18	10	<20	59	.13	40	97	10	18	114
562 A-93	L 1300N 500E	.4	1.89	10	6	60	<5	1.21	<1	30	41	59	4.53	.19	10	1.41	870	3	.17	27	2440	14	5	<20	53	.21	70	139	10	12	83
562 A-94	L 1300N 500E	.8	2.40	10	<2	90	<5	1.64	<1	52	27	43	7.11	.25	10	2.03	1231	8	.24	30	1860	12	15	<20	109	.42	80	173	10	12	99
562 A-95	L 1300N 600E	.4	1.87	10	<2	85	<5	2.25	<1	31	49	68	3.68	.20	<10	1.23	873	8	.12	30	2530	14	10	<20	85	.13	50	132	20	12	74
562 A-96	L 1300N 700E	.6	1.77	10	2	65	<5	1.22	<1	32	26	44	4.40	.19	10	1.72	871	4	.21	23	1720	14	5	<20	93	.27	50	108	10	11	74
562 A-97	L 1300N 800E	1.0	1.60	25	<2	75	<5	1.19	<1	36	32	54	4.81	.19	10	1.78	721	5	.20	32	1770	12	30	<20	104	.25	60	105	20	11	70
562 A-98	L 1400N 200E	.8	1.24	15	<2	95	<5	1.02	<1	21	23	54	4.13	.13	10	1.14	669	5	.16	16	2330	14	20	<20	77	.19	<10	128	<10	12	79
562 A-99	L 1400N 300E	.6	2.00	10	10	105	<5	1.38	<1	31	52	104	4.51	.17	10	1.64	889	8	.14	32	2620	14	15	<20	74	.20	30	169	10	13	86
562 A-100	L 1400N 400E	.8	1.94	10	10	100	<5	2.62	<1	33	70	104	5.69	.24	10	1.86	1063	8	.12	46	2870	16	20	<20	112	.20	40	173	10	12	99

EXTRACTED
AMPLIFIED

ECO-TECH LABORATORIES LTD.

GRANGES EXPLORATION - ETK89-562 A

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ET#	DESCRIPTIONS	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SH	SR	TI(%)	U	V	W	Y	ZN
562 A- 101	1400N 500E	1.2	2.36	20	<2	155	<5	1.80	<1	32	58	118	5.22	.31	20	1.85	1118	5	.12	43	3150	16	45	<20	81	.16	50	206	20	13	97
562 A- 102	1400N 600E	1.0	1.87	25	4	105	<5	1.77	<1	29	54	90	5.58	.19	10	1.83	1004	4	.13	50	2380	16	30	<20	82	.19	20	169	10	13	112
562 A- 103	1400N 700E	.8	1.84	20	10	100	<5	1.31	<1	30	49	97	5.84	.21	10	1.91	1077	6	.14	42	2520	14	10	<20	93	.24	50	176	10	13	86
562 A- 104	1500N 250W	2.2	1.57	5	<2	120	<5	.18	<1	8	21	11	2.22	.05	10	.22	125	2	.07	12	890	18	10	<20	14	.13	10	63	10	11	61
562 A- 105	1500N 300W	1.0	1.65	20	<2	115	<5	.21	<1	12	16	11	5.06	.05	10	.36	1637	5	.07	11	1410	18	10	<20	16	.02	<10	70	<10	8	111
562 A- 106	1500N 350W	.8	1.56	25	<2	95	<5	.10	<1	16	27	24	4.72	.05	<10	.40	577	7	.06	20	1010	18	15	<20	10	.04	50	110	10	4	78
562 A- 107	1500N 400W	1.0	1.82	25	<2	70	<5	.08	<1	9	23	23	4.03	.05	10	.35	633	6	.05	18	940	16	30	<20	8	.07	30	93	10	5	60
562 A- 108	1500N 450W	.6	1.86	35	<2	90	<5	.14	<1	21	35	44	5.54	.04	10	.84	903	4	.06	40	940	16	10	<20	11	.04	20	112	10	7	91
562 A- 109	1500N 500W	.4	2.31	35	<2	165	<5	.31	<1	25	42	30	7.03	.05	10	.81	2083	9	.07	41	1760	18	20	<20	19	.06	40	126	10	36	166
562 A- 110	15+ 00N 5+ 50W	1.0	1.51	30	<2	135	<5	.48	<1	27	21	14	12.87	.07	10	.71	4056	8	.09	17	2160	24	30	<20	36	.14	80	102	20	42	241
562 A- 111	15+ 00N 6+ 00W	.8	.86	20	<2	75	<5	.05	<1	10	12	17	2.86	.03	<10	.08	164	2	.06	6	660	14	10	<20	7	.07	<10	102	10	1	38
562 A- 112	15+ 00N 650W	.8	1.84	40	<2	95	<5	.17	<1	19	26	28	4.83	.03	10	.55	1074	5	.06	24	830	20	10	<20	13	.08	10	79	10	8	91
562 A- 113	15+ 00N 7+ 00W	.8	1.58	45	<2	135	<5	1.05	<1	34	31	88	4.99	.15	10	1.09	1556	6	.07	30	2920	26	25	<20	57	.13	<10	136	10	16	183
562 A- 114	15+ 00N 7+ 50W	1.0	1.87	45	4	160	<5	.89	<1	34	31	72	7.05	.13	20	1.17	2037	2	.08	32	2660	24	15	<20	48	.10	60	113	10	23	179
562 A- 115	1600N 250W	.6	1.37	25	<2	95	<5	.15	<1	13	34	23	5.51	.05	<10	.57	534	5	.05	25	800	16	15	<20	8	.03	20	98	<10	5	83
562 A- 116	1600N 300W	1.0	1.77	20	<2	180	<5	.69	<1	17	20	9	8.06	.05	10	.52	3517	3	.04	16	2300	22	10	<20	26	.03	40	83	10	33	162
562 A- 117	1600N 350W	1.8	1.04	35	<2	470	<5	.72	<1	28	8	1	>15.	.06	20	.52	>10000	4	.04	6	2400	30	25	<20	34	.04	60	74	20	50	489
562 A- 118	1600N 400W	.6	1.63	35	<2	105	<5	.17	<1	19	34	23	6.29	.04	<10	.63	1578	4	.05	25	1920	22	10	<20	10	.04	40	92	10	10	110
562 A- 119	1600N 450W	.8	1.81	30	<2	135	<5	.27	<1	25	36	37	4.79	.05	10	.90	1281	1	.07	37	1450	20	15	<20	17	.08	50	81	<10	11	108
562 A- 120	1600N 500W	.8	1.79	30	<2	155	<5	.46	<1	18	30	24	7.52	.03	10	.32	1764	4	.05	14	910	24	10	<20	25	.05	60	131	10	11	94
562 A- 121	1600N 550W	1.0	1.97	30	<2	140	<5	.63	<1	31	21	12	8.26	.03	10	.44	4127	7	.05	18	1540	22	15	<20	30	.05	40	98	<10	21	108
562 A- 122	1600N 600W	.8	1.91	55	<2	135	<5	.14	<1	34	40	70	5.77	.05	10	1.08	2251	5	.04	55	1570	24	20	<20	10	.05	50	94	20	17	170
562 A- 123	1600N 650W	1.2	2.13	45	<2	95	<5	.27	<1	31	30	57	5.54	.04	10	.91	1671	4	.05	44	1820	22	10	<20	14	.03	60	104	10	11	146
562 A- 124	1600N 700W	.8	1.57	35	<2	110	<5	.55	<1	26	35	50	6.01	.10	10	.96	1413	3	.06	26	1800	22	10	<20	31	.07	50	103	<10	13	143
562 A- 125	1600N 750W	1.0	1.47	40	<2	150	<5	.93	<1	23	30	53	5.08	.15	10	1.23	1272	6	.07	24	2620	20	15	<20	50	.11	40	119	20	13	149
562 A- 126	1700N 300W	.8	1.84	25	<2	80	<5	.14	<1	12	25	14	4.30	.04	<10	.44	626	6	.06	14	780	10	15	<20	9	.10	60	77	10	7	65
562 A- 127	1700N 350W	1.2	1.72	15	<2	290	<5	.79	<1	82	14	14	11.87	.03	20	.73	>10000	4	.05	19	2480	18	25	<20	46	.04	70	95	20	62	592
562 A- 128	1700N 400W	1.0	2.71	45	<2	85	<5	.16	<1	21	34	27	4.85	.04	10	.63	1070	7	.06	21	1420	22	20	<20	11	.14	50	86	10	14	85
562 A- 129	1700N 450W	.8	2.57	45	<2	135	<5	.34	<1	24	40	35	5.78	.04	<10	.84	1815	6	.06	30	1750	22	25	<20	15	.02	30	99	<10	14	118
562 A- 130	1700N 500W	1.4	2.25	20	<2	145	<5	.90	<1	42	20	19	9.25	.07	10	1.13	5119	1	.15	17	1270	24	25	<20	66	.19	50	118	30	48	125
562 A- 131	1700N 550W	.8	2.12	30	<2	175	<5	.31	<1	28	39	52	6.10	.07	10	.96	1719	4	.09	40	1440	20	10	<20	24	.08	20	97	10	19	134
562 A- 132	1700N 600W	1.0	2.48	30	<2	120	<5	.03	<1	25	32	40	5.86	.04	10	.65	1226	7	.06	29	1220	22	10	<20	6	.07	40	75	10	21	105
562 A- 133	1700N 650W	.4	2.42	25	<2	115	<5	.10	<1	17	28	35	5.78	.05	60	.60	790	4	.05	27	1130	18	15	<20	8	.15	40	85	10	126	94
562 A- 134	1700N 700W	.6	1.72	25	<2	145	<5	.33	<1	19	26	15	5.34	.04	10	.41	2342	3	.05	14	1130	24	10	<20	11	.03	40	76	10	31	104
562 A- 135	1700N 750W	.4	1.47	25	<2	95	<5	.48	<1	22	18	27	7.04	.06	10	.63	2342	7	.06	11	1570	24	15	<20	20	.04	40	86	10	19	132
562 A- 136	S/ 30/ 1	1.0	.70	155	<2	290	<5	3.85	<1	35	16	105	4.59	.09	10	.38	1465	4	.05	71	2090	30	30	<20	89	<.01	60	37	10	16	171

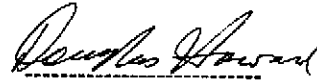
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ET#	DESCRIPTIONS	AG	AL(Z)	AS	B	BA	BI	CA(Z)	CD	CO	CR	CU	FE(Z)	K(Z)	LA	MG(Z)	MN	MO	NA(Z)	NI	P	PB	SB	SN	SR	TI(Z)	U	V	W	Y	ZN
562 A- 137	5/ 30/ 2	9.2	.26	6270	<2	610	<5	.50	<1	27	7	130	8.15	.06	<10	.12	4615	6	.05	35	1460	530	80	<20	42	<.01	50	32	80	14	2289
562 A- 138	5/ 30/ 3	.6	.38	160	<2	210	<5	4.09	<1	35	9	149	3.35	.07	10	.19	706	5	.04	81	1990	22	45	<20	286	<.01	50	32	<10	15	121
562 A- 139	5/ 30/ 4	.4	1.16	140	<2	305	<5	.77	<1	46	28	199	7.11	.06	20	.78	2257	4	.05	77	2460	42	30	<20	42	.02	70	88	10	21	210
562 A- 140	5/ 30/ 5	.4	1.55	40	<2	155	<5	.56	<1	29	52	136	5.81	.04	10	1.42	1721	9	.05	49	1890	24	20	<20	56	.01	40	205	10	17	157

NOTE: < = LESS THAN

CC: B. GABOURY
 GRANGES C/O JAYCOX IND.
 BOX 3633, SMITHERS, B.C.
 VOJ 2N0

FAX: JAYCOX
 SC89/GRANGES134



ECO-TECH LABORATORIES LTD.
 DOUG HOWARD
 B.C. CERTIFIED ASSAYER

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B V AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1-P3 SOIL P4-P10 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. P - pulverized. -40 mesh.

DATE RECEIVED: AUG 16 1989 DATE REPORT MAILED: Aug 23/89 SIGNED BY: C. Long, D. TOYK, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GRANGES EXPLORATION LTD. PROJECT 134 File # 89-2954 Page 1

SAMPLE#	Mo	Cu	Pb	Sb	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	St	Cd	Sb	Bi	V	Ca	P	La	Cr	Kg	Ba	Ti	B	Al	Na	K	W	AU*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	
L-1700X 1+50W	3	10	32	127	.1	10	15	4251	4.10	14	5	ND	1	39	1	2	2	62	.62	.119	13	8	.63	241	.18	2	1.15	.10	.11	2	2
L-1700X 1+00W P	2	16	26	134	.1	15	19	3249	4.48	10	5	ND	1	37	1	2	2	63	.54	.120	11	9	.49	167	.13	2	1.21	.07	.13	1	3
L-1700X 0+50W	8	23	31	101	1.6	12	8	951	5.43	148	5	ND	1	67	1	3	2	34	.68	.072	22	11	.41	103	.04	6	1.36	.02	.07	1	29
L-1700X 0+00W	1	52	25	95	.1	17	14	684	4.13	21	5	ND	1	48	1	2	2	81	.76	.175	12	20	.86	101	.11	3	1.58	.04	.11	1	15
L-1700X 0+50E	1	65	28	117	.1	18	16	934	4.59	21	5	ND	1	55	1	4	2	102	.99	.174	14	22	1.11	122	.14	3	1.95	.07	.17	1	15
L-1700X 1+00Z	1	87	24	30	.1	20	16	716	4.46	14	5	ND	1	64	1	2	2	108	1.15	.201	13	24	1.20	128	.17	11	1.93	.10	.24	1	10
L-1700X 1+50E P	1	102	27	95	.1	18	18	797	4.97	9	5	ND	1	72	1	2	2	127	1.30	.217	12	18	1.32	188	.18	11	2.40	.18	.33	1	14
L-1700X 2+00E P	1	90	28	111	.1	26	18	804	4.65	15	5	ND	2	80	1	2	2	105	1.45	.197	13	25	1.30	121	.21	7	1.96	.13	.23	1	13
L-1700X 2+00E	1	70	16	57	.1	15	12	565	3.72	12	5	ND	1	100	1	2	2	99	1.91	.196	11	17	.97	107	.12	2	1.50	.10	.28	1	3
L-1700X 4+00Z	1	74	17	75	.2	23	16	730	4.01	12	5	ND	3	66	1	2	2	94	1.55	.163	12	26	1.12	112	.14	6	1.76	.07	.20	2	4
L-1700X 5+00E	1	54	13	80	.1	26	13	707	3.91	14	5	ND	1	86	1	2	2	91	2.41	.162	11	24	1.03	141	.09	4	1.54	.04	.15	1	196
L-1700X 5+00E	1	72	4	71	.1	23	15	623	4.11	10	5	ND	1	68	1	2	2	93	1.14	.142	10	25	1.36	80	.20	2	1.74	.13	.21	1	3
L-1700X 7+00E	1	97	14	79	.1	25	17	658	4.32	41	5	ND	2	92	3	2	2	101	1.97	.154	10	27	1.30	81	.17	6	1.82	.10	.26	1	11
L-1700X 9+00E	1	66	11	51	.1	20	12	511	3.24	9	5	ND	1	97	1	2	2	85	2.15	.147	9	25	1.14	65	.15	1	1.43	.09	.19	1	4
L-1600X 2+00W	1	24	39	103	6.9	18	19	631	5.02	84	5	ND	2	101	1	2	2	93	1.25	.073	11	16	1.33	76	.41	2	2.45	.36	.22	1	171
L-1600X 1+00W P	3	39	62	283	2.5	21	21	2344	5.52	286	5	ND	1	49	2	4	2	83	.74	.094	15	19	.87	128	.18	5	2.60	.08	.12	1	191
L-1600X 0+50W	3	53	40	180	.1	12	9	647	7.19	93	5	ND	1	11	1	3	2	125	.12	.284	5	25	.33	75	.05	2	1.65	.01	.05	1	51
L-1600X 0+00W	1	44	21	93	.2	13	12	609	4.27	33	5	ND	1	25	1	2	2	45	.43	.113	11	10	.51	72	.06	4	1.06	.03	.09	1	135
L-1600X 0+50E P	1	79	16	85	.1	16	15	736	4.52	14	5	ND	1	63	1	3	2	108	1.13	.162	12	25	1.24	131	.15	2	2.12	.10	.37	1	16
L-1600X 1+00E	1	91	24	93	.4	22	16	784	4.53	20	5	ND	2	63	1	2	2	107	1.04	.188	13	26	1.17	116	.15	2	1.95	.08	.23	1	9
L-1600X 3+00E P	1	69	10	66	.1	18	12	646	3.75	8	5	ND	1	54	1	2	2	105	1.06	.177	11	31	1.28	93	.16	6	1.70	.08	.20	1	6
L-1600X 4+00E	1	93	15	32	.5	23	15	773	4.32	5	5	ND	5	65	1	2	2	114	1.19	.175	13	26	1.22	149	.15	4	2.09	.09	.35	1	10
L-1600X 5+00E	1	80	7	74	.2	20	14	696	4.08	15	5	ND	2	73	1	2	2	98	1.65	.164	11	29	1.25	77	.16	5	1.74	.07	.21	1	6
L-1600X 6+00E	1	84	14	83	.2	25	19	711	4.63	13	5	ND	2	85	1	2	2	107	1.58	.161	11	30	1.47	101	.22	10	2.05	.14	.25	1	6
L-1600X 7+00E	1	61	11	58	.1	20	15	687	3.86	11	5	ND	2	61	1	3	2	101	1.09	.156	10	29	1.37	80	.20	4	1.64	.12	.22	1	330
L-1600X 8+00E	1	71	10	63	.1	20	15	586	3.60	31	5	ND	1	97	1	2	2	92	1.83	.146	9	29	1.38	75	.20	2	1.65	.12	.19	1	15
L-1500X 2+00W	1	24	12	100	.1	19	20	642	5.08	2	5	ND	2	92	1	2	2	87	1.19	.068	15	17	1.53	117	.41	2	2.46	.31	.19	1	14
L-1500X 1+00W	2	20	22	123	.2	14	20	1146	4.71	40	5	ND	1	82	1	2	2	83	1.07	.074	11	14	1.24	80	.32	3	2.06	.25	.17	1	6
L-1500X 0+50W P	5	26	9	82	.4	18	21	636	5.19	17	5	ND	2	119	1	2	3	81	1.65	.089	13	19	1.29	83	.36	2	2.32	.25	.17	2	1
L-1500X 0+00W	1	40	16	91	.4	12	13	629	4.35	27	5	ND	2	18	1	3	2	37	.31	.099	13	9	.48	87	.04	2	1.02	.02	.07	1	23
L-1500X 0+50E P	1	44	25	102	.1	13	12	665	4.22	23	5	ND	1	33	1	2	2	58	.54	.108	12	14	.68	103	.09	2	1.33	.04	.12	1	13
L-1500X 2+00E	1	95	28	97	.1	19	17	928	5.10	16	5	ND	2	73	1	2	2	132	1.18	.213	13	21	1.23	167	.17	6	2.14	.12	.30	1	10
L-1500X 3+00E	1	109	13	73	.1	23	18	855	4.72	4	5	ND	4	67	1	2	2	146	1.38	.229	14	35	1.55	137	.21	13	2.61	.18	.49	1	16
L-1500X 4+00E	1	87	8	81	.1	29	18	849	4.60	7	5	ND	1	59	1	2	2	127	1.13	.169	12	38	1.58	135	.19	3	2.18	.03	.24	1	3
L-1500X 5+00E	1	78	14	95	.1	31	13	755	3.80	24	5	ND	2	102	1	2	6	87	2.85	.147	11	26	1.00	122	.09	4	1.57	.03	.14	1	8
L-1500X 6+00E	1	76	11	74	.2	24	17	588	3.30	11	5	ND	2	71	1	2	2	89	1.06	.169	10	26	1.21	63	.19	3	1.47	.11	.19	1	9
L-1500X 7+00E	1	62	9	59	.1	17	13	576	3.67	14	5	ND	1	71	1	3	2	99	1.04	.156	10	28	1.35	67	.20	7	1.69	.12	.21	2	4
STD C/AU-S	18	64	40	132	6.7	75	30	1021	4.03	44	20	3	39	49	19	15	24	60	.49	.091	39	55	.88	178	.07	35	1.99	.06	.13	13	52

GRANGES EXPLORATION LTD. PROJECT 134 FILE # 89-2954

SAMP ID	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	V PPM	AU* PPM
S-1400N 2+00V P	5	18	25	67	<u>1.3</u>	2	7	971	4.14	<u>101</u>	5	ND	1	9	1	2	2	35	.11	.108	22	2	.13	62	.02	2	.69	.02	.14	1	<u>121</u>
S-1400N 1+50V	1	26	48	197	.6	13	21	1943	4.49	18	5	ND	1	92	2	2	2	78	1.36	.150	8	9	1.15	153	.36	5	1.67	.23	.16	1	7
S-1400N 1+00V P	1	22	4	62	.5	6	3	114	1.06	4	5	ND	1	39	1	2	2	18	.60	.110	3	3	.10	122	.06	5	.38	.02	.05	1	1
S-1400N 2+50V	5	59	57	129	<u>1.4</u>	10	29	2256	11.18	83	5	ND	1	26	1	2	2	66	.30	.233	15	9	.60	103	.06	2	2.01	.04	.09	1	17
S-1400N 0+00V	1	61	38	133	.5	13	17	764	5.21	<u>52</u>	5	ND	1	40	1	2	2	62	.64	.123	10	11	.75	157	.15	2	1.21	.69	.14	1	<u>23</u>
S-1400N 1+00V	1	51	19	109	.3	19	14	716	4.54	36	5	ND	1	29	1	2	2	52	.48	.117	13	16	.76	101	.09	3	1.26	.04	.07	1	36
S-1300V 2+00V	2	59	22	187	.5	25	17	1314	4.45	31	5	ND	1	27	1	2	2	76	.41	.083	13	23	.80	133	.08	2	2.16	.04	.09	2	<u>79</u>
S-1300V 1+50V P	1	21	1	67	.4	11	9	516	2.46	13	5	ND	1	41	1	2	2	55	.39	.089	5	11	.56	91	.14	4	1.05	.07	.09	1	<u>21</u>
S-1300N 1+00V	2	40	29	94	.5	10	24	1132	6.08	13	5	ND	2	8	1	2	2	28	.10	.104	20	10	.43	66	.01	6	2.79	.02	.05	1	<u>18</u>
S-1300N 0+00V	1	62	14	96	.1	14	15	365	4.83	27	5	ND	1	50	1	2	2	19	.47	.079	7	4	.31	65	.02	7	.46	.02	.06	1	5
S-1300N 1+00V	1	72	8	71	.1	14	13	611	4.05	13	5	ND	1	97	1	2	2	85	2.00	.177	11	19	.96	122	.12	3	1.64	.08	.27	1	6
S-1300N 2+00V	1	82	6	95	.3	17	18	799	5.08	12	5	ND	2	74	1	2	2	100	1.06	.178	13	17	1.22	129	.23	2	2.13	.15	.26	1	7
S-1300N 3+00V	1	63	6	85	.2	15	14	539	5.66	12	5	ND	2	69	1	2	2	120	.85	.179	10	15	.96	83	.15	2	1.57	.09	.15	1	5
S-1200N 2+00V	4	40	57	213	<u>2.4</u>	10	14	2073	5.81	<u>152</u>	5	ND	1	33	1	2	2	54	.47	.102	17	9	.80	93	.15	2	1.53	.08	.11	1	<u>234</u>
S-1200N 1+00V	3	34	44	166	<u>1.5</u>	10	12	1681	4.74	<u>104</u>	5	ND	1	22	1	95	2	40	.37	.090	17	7	.59	84	.09	6	1.19	.04	.08	1	<u>102</u>
S-1200N 3+00V	1	45	8	67	.1	13	11	417	1.93	15	5	ND	1	67	1	2	2	91	.77	.164	10	14	.79	66	.69	9	1.40	.06	.10	2	11
S-1100N 1+00V	6	49	45	187	<u>1.1</u>	11	12	2308	5.22	<u>78</u>	5	ND	1	27	1	2	2	58	.43	.117	15	12	.66	118	.10	2	1.52	.03	.14	4	<u>64</u>
S-1100N 0+00V	1	61	4	98	.2	16	16	783	4.76	13	5	ND	3	58	1	2	2	95	.93	.178	13	17	1.03	138	.14	2	1.95	.08	.25	1	4
S-1100N 1+00V	1	84	15	99	.1	16	17	800	4.91	12	5	ND	1	60	1	2	2	97	.95	.182	13	17	1.04	142	.16	2	1.97	.09	.25	1	1
S-1000N 0+00V	1	74	6	68	.2	14	13	619	4.21	15	5	ND	1	85	1	4	2	105	1.42	.193	11	19	.99	118	.13	3	1.65	.09	.30	1	7
S-1000N 1+00V	2	115	71	170	.6	30	42	748	15.58	27	5	ND	2	43	1	6	2	61	.46	.140	10	11	.57	71	.09	2	1.35	.03	.15	1	11
S-900N 0+00V	1	94	5	95	.3	19	17	780	4.61	18	5	ND	1	75	1	2	2	120	1.39	.199	12	25	1.24	137	.18	2	2.13	.11	.38	1	5
S-900N 1+00V	1	81	13	100	.5	19	17	810	4.92	16	5	ND	2	59	1	2	2	97	.92	.183	13	16	1.03	140	.16	5	1.91	.08	.25	1	5
S/35/1	1	121	3	108	.1	35	32	1175	7.42	9	5	ND	1	100	1	2	2	219	1.89	.169	9	63	1.23	110	.23	3	3.14	.09	1.11	2	1
S/35/2	1	108	8	101	.4	94	28	1028	6.44	17	5	ND	1	76	1	2	2	158	1.21	.142	11	92	3.00	108	.31	13	3.15	.14	.40	1	2
S/35/3	1	78	2	86	.4	35	22	945	5.22	13	5	ND	2	76	1	4	2	139	1.15	.148	11	49	2.13	82	.29	2	2.49	.15	.28	1	9
S/35/4 P	1	89	11	95	.2	27	17	845	4.85	9	5	ND	1	52	1	2	2	150	1.04	.131	13	42	1.56	71	.19	9	2.13	.02	.13	1	5
S/35/5	1	109	15	104	.2	30	19	856	4.85	16	5	ND	1	46	1	2	2	141	.93	.140	15	45	1.50	85	.16	2	2.09	.02	.22	1	4
S/35/6	1	72	6	77	.5	23	16	720	4.13	6	5	ND	3	41	1	2	2	123	.93	.129	9	42	1.44	48	.19	3	1.87	.02	.14	1	5
S/35/7	2	112	20	146	.4	26	18	770	5.00	20	6	ND	1	43	1	2	2	135	.62	.123	24	34	1.11	57	.12	9	2.03	.03	.07	1	14
S/35/8	1	97	18	109	.1	20	14	590	4.10	17	5	ND	2	51	1	2	2	75	.66	.135	20	16	.70	53	.04	2	1.12	.02	.08	1	7
S/35/9	3	<u>210</u>	38	159	.1	30	26	1354	6.12	17	5	ND	1	75	1	2	2	106	.76	.179	28	15	1.22	138	.05	9	1.77	.03	.13	1	15
S/35/10	1	146	11	86	.3	14	28	1909	7.09	16	5	ND	2	55	1	2	2	200	.66	.218	14	8	1.51	83	.05	9	2.13	.01	.17	1	5
S/45/1	2	99	4	131	.3	58	22	1178	5.06	12	5	ND	1	44	1	4	2	132	1.05	.119	29	78	1.43	81	.10	11	2.16	.01	.06	1	2
S/45/2	3	116	10	161	.5	75	25	1053	5.18	19	5	ND	1	49	1	2	2	137	.91	.148	24	67	1.86	138	.12	6	2.33	.03	.12	1	5
S/45/3	3	116	14	174	.5	81	22	866	5.69	14	5	ND	1	53	2	4	2	129	.87	.146	24	58	1.60	145	.07	6	2.08	.02	.12	1	7
STD C/AU-S	18	63	38	132	6.6	75	31	1021	3.99	38	22	7	38	48	19	16	23	59	.48	.088	39	53	.87	177	.07	40	1.93	.06	.13	12	49

SAMPLE#	Mo PPH	Cu PPK	Pb PPK	Zn PPK	Ag PPK	Ni PPK	Co PPK	Mn PPM	Fe %	As PPK	V PPM	Au PPK	Tl PPK	Sr PPK	Cd PPK	Sb PPM	Bi PPM	V PPK	Ca %	P %	La PPK	Cr PPK	Xg %	Ba PPK	Tl %	B PPK	Al %	Na %	K %	W PPH	Au* PPB
S/45/1	7	161	43	225	.9	91	33	1126	6.22	30	5	ND	1	44	2	2	11	81	.68	.117	25	39	1.07	194	.02	4	1.76	.01	.18	2	13
S/45/2	4	149	30	200	1.4	58	29	1168	6.39	18	5	ND	1	38	2	2	2	89	.59	.123	22	40	1.40	182	.07	2	2.01	.02	.16	3	2
S/45/3	1	126	13	84	.2	45	29	1079	6.19	2	5	ND	2	36	1	2	3	169	1.12	.149	6	77	3.26	40	.26	12	3.20	.06	.30	2	4
S/45/4	4	184	38	151	.5	36	32	1641	8.10	24	5	ND	1	72	1	3	15	202	.92	.182	29	52	1.81	132	.11	2	2.05	.01	.10	1	10
S/45/5	1	137	17	93	.2	59	34	1350	6.39	8	5	ND	1	23	1	2	20	190	.84	.128	8	101	2.85	75	.20	12	2.96	.01	.16	3	6
S/45/6	2	134	17	101	.2	44	27	1261	6.65	26	5	ND	1	33	1	2	15	176	1.12	.160	10	76	2.63	77	.15	8	2.92	.01	.20	1	12
S/45/7	1	138	14	93	.2	38	32	2242	6.20	15	5	ND	1	45	1	2	17	203	1.80	.178	10	106	2.92	82	.15	9	3.02	.01	.16	2	6
S/45/8	1	123	11	83	.1	39	25	1107	5.87	8	5	ND	1	29	1	2	11	191	.94	.169	12	90	2.71	72	.16	6	2.48	.01	.18	3	5
S/45/9	2	136	16	101	.3	37	27	1332	6.11	11	5	ND	2	41	1	2	13	166	1.04	.169	14	62	2.51	83	.20	2	2.70	.03	.20	1	8
S/45/10	2	116	18	102	.2	37	28	1616	7.18	16	5	ND	1	35	1	2	12	213	1.02	.146	11	92	2.31	133	.16	5	3.15	.01	.13	1	6
S/45/11	3	130	23	144	.4	39	18	2976	8.75	22	5	ND	1	60	1	4	14	189	1.36	.181	12	60	1.51	389	.06	5	2.35	.02	.13	1	6
S/45/12	2	153	122	494	.1	39	39	3421	7.55	16	5	ND	1	34	3	4	14	210	1.00	.172	19	98	2.78	161	.14	2	3.07	.01	.11	3	11
S/45/13	1	77	11	150	.1	17	15	1149	3.03	7	5	ND	1	71	1	4	2	87	2.25	.180	6	36	1.01	142	.07	13	1.28	.02	.09	1	1
S/45/14	3	98	20	92	.1	26	27	1576	6.37	18	5	ND	1	45	1	5	15	184	1.11	.136	10	64	1.54	111	.15	2	2.92	.01	.07	3	5
S/45/15	1	104	15	119	.3	19	19	899	4.98	11	5	ND	1	61	1	3	2	157	1.01	.198	15	27	1.52	87	.20	2	2.34	.01	.21	1	10
S/51/1	1	106	13	82	.1	17	19	919	5.27	5	5	ND	1	64	1	3	3	171	.97	.182	16	25	1.76	95	.20	2	2.58	.03	.24	1	3
S/51/2	1	76	16	71	.1	16	18	1041	5.41	6	5	ND	1	29	1	2	10	159	.54	.085	9	32	1.31	105	.18	2	2.77	.01	.09	1	9
S/51/3	2	147	23	89	.4	11	27	1234	6.49	36	5	ND	1	55	1	4	2	173	.84	.241	15	16	1.75	69	.14	10	2.06	.01	.16	1	13
S/51/4	2	159	20	93	.2	14	28	1388	7.05	19	5	ND	1	67	1	5	2	228	1.03	.279	14	16	2.92	86	.05	9	2.88	.01	.12	3	8
S/51/5	3	162	28	94	.7	23	38	2710	8.00	40	5	ND	1	116	1	2	10	173	.89	.127	17	29	2.10	133	.17	2	2.85	.02	.19	1	5
S/52/1	3	101	20	111	.3	20	17	909	5.33	29	5	ND	2	34	1	3	2	125	.53	.142	23	28	1.31	82	.19	9	2.68	.03	.16	2	18
S/52/2	1	135	26	96	.1	17	25	1298	5.82	11	5	ND	1	82	1	2	2	178	1.10	.195	15	25	1.88	150	.22	2	2.80	.05	.30	2	9
S/52/3	1	113	14	73	.1	14	20	943	5.26	11	5	ND	1	117	1	2	2	179	1.43	.243	11	19	1.75	180	.16	3	2.12	.05	.39	1	23
S/52/4	1	144	16	87	.1	9	26	1205	6.52	7	5	ND	1	154	1	2	2	241	2.32	.263	11	16	2.78	213	.15	10	2.59	.02	.49	1	5
S/52/5	1	126	17	88	.1	8	20	993	6.20	11	5	ND	1	148	1	2	2	219	2.49	.277	10	11	1.79	240	.15	4	1.97	.06	.46	1	5
S/52/6	1	100	11	60	.1	10	18	846	5.85	4	5	ND	1	131	1	2	2	192	1.80	.271	10	13	1.68	214	.13	2	1.82	.05	.47	1	4
S/52/7	1	150	17	83	.1	10	25	1242	6.43	2	5	ND	1	134	1	2	2	220	1.95	.257	10	17	2.40	231	.18	8	2.40	.02	.57	1	4
S/52/8	1	128	10	78	.1	14	22	1093	6.11	10	5	ND	1	112	1	2	10	206	1.60	.248	11	18	2.15	129	.17	2	2.24	.02	.46	1	10
S/52/9	1	130	12	73	.1	11	21	1029	6.09	6	5	ND	1	138	1	2	13	204	1.98	.259	9	13	2.06	191	.17	5	2.19	.04	.73	1	3
S/52/10	1	114	15	74	.1	14	19	909	5.69	8	5	ND	1	115	1	2	2	177	2.01	.228	11	19	1.71	162	.15	4	2.02	.02	.49	1	6
S/52/11	1	149	18	96	.1	15	24	1144	6.25	8	5	ND	1	112	1	2	2	199	1.73	.219	11	18	2.10	127	.19	8	2.60	.02	.62	1	5
S/52/12	1	59	13	119	.2	7	12	766	4.07	14	5	ND	1	45	1	4	2	75	.78	.130	15	13	.86	124	.31	4	1.21	.03	.16	1	15
SS-36-1 (stream)	1	59	13	119	.2	7	12	766	4.07	14	5	ND	1	45	1	4	2	75	.78	.130	15	13	.86	124	.31	4	1.21	.03	.16	1	15
STD C/AU-5	19	51	42	133	6.9	69	31	1018	4.11	38	22	7	37	50	18	14	22	61	.49	.050	39	53	.89	180	.07	34	1.91	.06	.13	12	52

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Cr %	P %	La PPM	Cr PPM	Kg %	Ba PPM	Ti %	B PPM	Al %	Si %	Z %	V PPM	AU* PPM
AP ZONE TRENCH 1 1	3	34	50	650	.4	2	2	833	2.06	35	5	ND	4	14	4	2	2	1	.42	.007	19	3	.25	54	.01	2	.49	.01	.19	1	21
AP ZONE TRENCH 1 2	4	16	21	21	.3	1	2	422	2.31	98	5	ND	4	6	1	2	2	1	.12	.008	22	2	.17	55	.01	2	.40	.01	.16	1	40
AP ZONE TRENCH 1 3	4	19	49	85	.5	2	2	194	2.10	202	5	ND	4	6	1	6	4	1	.11	.007	21	2	.06	74	.01	2	.21	.01	.16	1	105
AP ZONE TRENCH 1 4	4	18	21	12	.5	1	2	448	2.46	156	5	ND	4	6	1	9	2	1	.20	.007	20	3	.18	49	.01	2	.34	.01	.14	1	75
AP ZONE TRENCH 1 5	4	13	67	56	.5	1	2	194	3.07	831	5	ND	4	3	1	10	2	1	.03	.007	19	4	.02	49	.01	3	.22	.01	.14	1	190
AP ZONE TRENCH 1 6	2	2204	19796	61089	142.6	2	3	1635	15.61	50341	5	14	1	20	257	431	2	1	1.07	.001	2	1	.51	2	.01	2	.19	.01	.07	2	20200
AP ZONE TRENCH 1 7	3	1552	26683	41371	103.6	3	3	2269	10.47	13113	5	4	1	42	721	727	2	1	3.80	.001	2	2	1.71	12	.01	2	.09	.01	.05	3	4230
AP ZONE TRENCH 1 8	3	97	4502	4342	20.4	2	2	669	1.47	940	5	ND	1	24	17	35	3	1	1.16	.005	8	4	.36	33	.01	2	.13	.01	.10	1	340
AP ZONE TRENCH 1 9	7	56	1495	2347	6.3	2	3	652	3.40	2133	5	ND	1	14	8	28	3	1	1.27	.006	10	4	.53	38	.01	2	.22	.01	.15	1	660
TRENCH 1 1	2	17	55	200	.1	1	26	6167	7.93	89	5	ND	1	42	1	14	2	47	1.29	.169	12	1	.52	61	.01	4	.46	.01	.27	1	28
TRENCH 1 2	2	14	44	151	.5	2	19	4151	4.86	95	5	ND	1	35	1	23	2	30	.58	.143	7	3	.13	31	.01	9	.25	.01	.18	1	6
TRENCH 1 3	5	8	26	55	.3	4	4	77	2.34	44	5	ND	3	4	1	9	3	2	.01	.014	17	4	.01	45	.01	2	.12	.01	.12	1	2
TRENCH 1 4	11	16	44	61	.7	5	11	56	8.14	107	5	ND	2	16	1	18	2	6	.07	.042	6	4	.01	9	.01	2	.14	.01	.14	2	11
TRENCH 1 5	8	9	19	55	.1	4	14	3920	4.77	59	5	ND	1	69	1	16	2	21	1.03	.287	10	3	.12	27	.01	9	.23	.01	.17	1	4
TRENCH 1 6	13	11	17	114	.2	3	13	12567	6.05	51	5	ND	1	55	1	10	2	30	1.05	.217	7	3	.27	30	.01	2	.20	.01	.17	1	1
TRENCH 1 7	25	13	17	80	.3	2	10	831	9.73	84	5	ND	2	62	1	22	2	26	.17	.190	7	2	.02	54	.01	2	.11	.01	.35	1	5
TRENCH 1 8	7	11	16	119	.2	4	10	14336	4.30	11	5	ND	1	47	1	3	2	29	1.47	.095	5	5	.52	62	.01	3	.15	.01	.13	1	2
TRENCH 1 9	19	16	19	253	.8	5	17	9999	6.16	108	5	ND	1	60	1	16	2	22	2.03	.130	6	4	.61	32	.01	12	.24	.01	.14	1	6
TRENCH 1 10	81	19	22	146	1.1	2	17	4433	9.77	160	5	ND	2	50	1	25	2	17	1.13	.152	6	3	.21	11	.01	8	.32	.01	.19	1	10
TRENCH 1 11	24	15	20	15	.3	6	15	107	6.40	89	5	ND	1	20	1	16	2	17	.54	.209	8	3	.01	14	.01	15	.26	.01	.19	1	1
TRENCH 2 1	5	22	20	355	.2	8	14	3063	3.10	38	5	ND	4	24	1	22	2	8	.71	.071	19	3	.21	54	.01	2	.42	.01	.23	1	6
TRENCH 2 2	2	15	16	194	.4	6	11	214	4.05	75	5	ND	3	27	1	24	2	7	.22	.069	13	2	.04	23	.01	4	.34	.01	.22	1	3
TRENCH 2 3	5	19	14	16	1.5	4	14	83	8.93	94	5	ND	2	15	1	24	2	9	.12	.058	7	2	.01	9	.01	5	.30	.01	.18	1	17
TRENCH 2 4	4	18	18	26	1.4	2	19	94	8.95	71	5	ND	2	7	1	27	2	18	.06	.031	4	2	.01	7	.01	2	.32	.01	.20	1	22
TRENCH 2 5	2	20	14	57	.9	3	23	255	8.93	86	5	ND	1	32	1	41	2	28	.34	.124	6	2	.03	10	.01	3	.36	.01	.21	1	15
TRENCH 2 6	2	16	35	82	.9	5	25	142	8.21	83	5	ND	2	26	1	41	2	28	.41	.157	8	3	.02	13	.01	5	.33	.01	.20	1	13
TRENCH 2 7	2	19	13	175	.5	4	25	815	8.24	137	5	ND	1	39	1	55	2	30	1.12	.156	7	3	.19	11	.01	7	.34	.01	.21	1	11
TRENCH 2 8	1	20	29	141	1.3	3	26	307	10.22	176	5	ND	2	27	1	57	2	25	.54	.155	7	2	.06	14	.01	7	.28	.01	.17	1	18
TRENCH 2 9	2	21	21	179	3.0	3	28	190	11.97	241	5	ND	1	37	1	62	2	26	.43	.166	7	1	.02	9	.01	2	.34	.01	.20	1	14
TRENCH 2 10	1	17	18	17	5.8	2	17	94	9.11	160	5	ND	2	2	1	56	2	19	.01	.010	5	1	.01	9	.01	5	.20	.01	.15	1	71
TRENCH 2 11	1	21	22	63	2.9	3	28	133	13.82	265	5	ND	1	21	1	72	2	25	.38	.152	7	1	.01	8	.01	5	.33	.01	.19	1	16
TRENCH 2 12	2	21	16	31	16.2	3	19	68	9.80	232	5	ND	2	3	1	127	2	17	.01	.005	3	1	.01	8	.01	3	.18	.01	.14	2	220
TRENCH 2 13	24	12	30	19	11.8	1	7	110	5.37	124	5	ND	1	2	1	615	2	13	.01	.004	2	2	.01	13	.01	3	.15	.01	.16	1	111
TRENCH 2 14	18	15	18	38	11.8	4	9	127	5.35	125	5	ND	1	2	1	65	2	9	.01	.003	3	4	.01	11	.01	2	.14	.01	.12	1	330
TRENCH 2 15	17	12	16	8	5.9	5	5	67	3.69	79	5	ND	1	3	1	53	4	10	.01	.003	4	6	.01	17	.01	2	.17	.01	.16	1	46
TRENCH 2 16	6	9	52	51	6.4	4	5	55	2.79	120	5	ND	2	25	1	70	2	6	.01	.022	11	4	.01	29	.01	3	.23	.01	.20	1	60
STD C/AU-R	18	62	43	132	7.2	74	31	1041	4.17	39	18	7	37	48	18	16	17	58	.51	.090	38	57	.90	177	.07	34	2.04	.06	.13	12	520

ASSAY REQUIRED FOR CORRECT RESULT -

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Hg	Co	Mn	Fe	As	U	Au	Th	Sc	Cd	Sb	Bi	V	Ca	P	La	Ce	Kg	Ba	Ti	B	Al	Na	K	V	Au*	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM		
TRENCH 2 17	22	26	513	523	149.1	✓	5	4	97	5.02	923	5	ND	1	58	1	8529	2	6	.03	.104	5	6	.01	22	.01	2	.17	.01	.19	1	1350
TRENCH 2 18	3	13	93	816	37.1	✓	1	11	2749	7.23	437	5	ND	1	35	1	196	2	13	2.04	.029	2	8	.63	11	.01	2	.16	.01	.16	1	240
TRENCH 2 19	3	10	21	121	2.5		2	18	1126	3.99	152	5	ND	1	24	1	103	2	25	.32	.144	8	3	.03	26	.01	5	.26	.01	.17	1	17
TRENCH 2 20	1	12	4	142	.4		1	21	8190	6.30	47	5	ND	1	23	1	26	2	38	.70	.144	10	2	.36	51	.01	3	.32	.01	.21	1	4
TRENCH 2 21	1	16	10	240	2.2		1	21	12209	6.79	72	5	ND	1	28	1	27	2	40	1.30	.161	9	1	.55	52	.01	2	.36	.01	.22	2	6
TRENCH 2 22	3	20	36	181	7.8		1	21	888	9.31	317	5	ND	1	28	1	61	2	20	.44	.126	6	6	.10	4	.01	12	.27	.01	.19	1	32
TRENCH 2 23	2	16	9	179	1.9		3	21	2713	6.44	159	5	ND	1	28	1	25	2	30	.70	.157	8	1	.16	11	.01	6	.36	.01	.21	1	18
TRENCH 2 24	1	20	23	154	.9		1	19	1890	7.82	260	5	ND	1	53	1	49	3	41	.35	.283	13	2	.04	14	.01	2	.42	.01	.22	1	24
TRENCH 2 25	5	14	17	143	1.6		2	16	3867	8.72	270	5	ND	2	20	1	41	11	29	.22	.181	7	2	.09	9	.01	5	.34	.01	.21	1	55
TRENCH 2 26	15	10	6	95	1.2		3	11	1626	4.82	147	5	ND	1	21	1	15	2	11	.40	.108	6	11	.05	15	.01	4	.31	.01	.19	1	22
TRENCH 3 1	3	13	14	164	.7		6	7	256	3.78	76	5	ND	1	17	1	18	2	4	.20	.056	8	6	.02	28	.01	13	.27	.01	.16	1	4
TRENCH 3 2	1	12	9	32	.4		5	9	163	4.66	81	5	ND	1	18	1	16	2	5	.21	.068	8	22	.01	19	.01	2	.29	.01	.18	1	1
TRENCH 3 3	4	12	7	69	.2		5	7	1434	3.29	81	5	ND	1	28	1	15	2	4	.73	.065	9	5	.16	33	.01	2	.27	.01	.18	1	1
TRENCH 3 4	3	12	7	102	.2		5	8	1070	4.55	107	5	ND	1	26	1	22	2	4	.49	.064	7	17	.09	22	.01	3	.22	.01	.15	1	1
TRENCH 3 5	3	17	18	83	3.8		3	16	141	7.41	208	5	ND	1	9	1	43	2	11	.30	.034	4	4	.01	9	.01	4	.19	.01	.13	1	22
TRENCH 3 6	2	20	26	473	7.2		3	22	246	7.98	263	5	ND	1	14	1	63	2	25	.41	.080	4	16	.37	9	.01	2	.21	.01	.15	1	24
TRENCH 3 7	3	16	20	43	5.4		3	20	36	7.40	181	5	ND	1	4	1	54	2	20	.06	.028	3	2	.01	8	.01	2	.24	.01	.17	2	22
TRENCH 3 8	1	22	51	135	12.0		3	20	387	15.52	1737	5	ND	2	16	1	174	2	13	.45	.104	4	10	.07	5	.01	8	.20	.01	.13	1	39
TRENCH 3 9	3	20	37	83	12.5		3	19	76	9.00	272	5	ND	1	2	1	112	2	22	.01	.009	3	2	.01	6	.01	4	.19	.01	.16	1	43
TRENCH 3 10	2	14	22	115	10.4		2	18	76	6.79	214	5	ND	1	6	1	65	2	22	.13	.054	4	11	.01	10	.01	5	.21	.01	.15	1	41
TRENCH 3 11	2	11	7	168	2.5		1	22	11956	6.05	115	5	ND	1	25	1	50	2	34	1.05	.163	11	1	.24	21	.01	15	.28	.01	.18	1	15
TRENCH 3 12	2	16	31	201	4.1		3	23	6567	6.13	179	5	ND	1	23	1	67	2	29	.62	.154	9	10	.06	14	.01	15	.29	.01	.20	1	2
TRENCH 3 13	3	15	57	222	8.3		3	19	168	7.10	298	5	ND	1	10	1	259	3	17	.26	.085	6	2	.01	9	.01	2	.19	.01	.14	1	52
TRENCH 3 14	2	17	47	98	6.0		2	19	63	8.82	152	5	ND	2	2	1	71	2	19	.05	.061	4	10	.01	9	.01	2	.21	.01	.17	1	10
TRENCH 3 15	1	14	13	135	1.1		2	22	5047	7.69	91	5	ND	1	14	1	43	2	51	.43	.137	9	1	.13	20	.01	5	.28	.01	.21	1	1
TRENCH 4 1	3	17	21	274	2.1		3	13	8419	10.06	212	5	ND	1	53	1	28	2	18	1.05	.113	2	22	.27	9	.01	3	.11	.01	.11	1	6
TRENCH 4 2	5	16	19	340	1.8		8	14	3558	8.28	163	5	ND	1	41	1	25	3	24	.49	.143	3	6	.09	14	.01	7	.15	.01	.11	1	7
TRENCH 4 3	9	18	34	411	2.8		7	15	5952	7.50	141	5	ND	1	40	1	29	2	19	.64	.155	4	26	.14	18	.01	2	.12	.01	.11	1	9
TRENCH 4 4	21	12	21	269	1.7		7	14	6027	5.39	79	5	ND	1	70	1	22	2	22	1.59	.249	6	6	.25	24	.01	2	.16	.01	.15	1	5
TRENCH 4 5	22	11	17	227	1.5		4	11	7281	5.60	78	5	ND	1	47	1	17	2	17	1.23	.180	6	20	.27	24	.01	8	.22	.01	.16	1	3
TRENCH 4 6	11	14	11	170	1.3		5	15	7250	6.57	127	5	ND	1	38	1	19	3	21	.82	.200	7	4	.12	23	.01	2	.24	.01	.17	1	11
TRENCH 4 7	44	12	13	70	1.2		4	12	9867	5.51	84	5	ND	1	36	1	17	2	24	.79	.198	6	21	.17	27	.01	4	.13	.01	.13	1	4
TRENCH 4 8	33	13	6	63	1.1		7	12	9807	6.39	83	5	ND	1	33	1	17	2	31	.72	.163	5	7	.20	27	.01	2	.15	.01	.15	2	30
TRENCH 5 1	3	16	49	101	10.3		4	11	230	5.89	202	5	ND	2	14	1	30	1	6	.22	.060	5	26	.02	13	.01	3	.20	.01	.13	1	44
TRENCH 5 2	3	14	204	106	34.5	✓	5	14	484	5.37	284	5	ND	1	12	1	104	2	16	.15	.066	4	4	.02	21	.01	4	.17	.01	.18	1	450
TRENCH 5 3	4	18	412	285	216.7	✓	4	17	1183	5.25	960	5	2	1	26	1	189	2	19	.61	.172	7	18	.08	18	.01	5	.21	.01	.31	1	1680
STD C/AU-2	18	54	36	132	6.6		70	31	944	4.12	36	16	7	38	48	18	15	20	58	.51	.088	38	57	.91	173	.07	36	2.06	.06	.14	11	480

APUL GORGE

✓ ASSAY REQUIRED FOR CORRECT RESULT -

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Gr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Xg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	V PPM	Au* PPM
TRENCH 5 4	3	21	44	116	51.3	1	17	886	6.52	243	5	ND	1	11	1	125	5	14	.25	.096	5	2	.04	21	.01	2	.24	.01	.19	1	35
TRENCH 5 5	9	22	149	292	21.9	1	10	2753	7.18	410	5	ND	1	45	2	168	2	10	1.89	.115	5	10	.59	40	.01	2	.20	.01	.27	1	156
TRENCH 5 6	4	19	26	178	6.7	2	14	3843	5.92	236	5	ND	1	23	1	71	3	22	.28	.179	10	1	.06	46	.01	2	.29	.01	.22	1	22
TRENCH 5 7	3	16	20	131	3.8	1	14	4840	5.36	221	5	ND	1	14	1	51	4	18	.25	.141	9	5	.03	48	.01	3	.31	.01	.22	1	122
TRENCH 5 8	2	17	11	196	4.6	3	23	6563	7.83	125	5	ND	1	35	1	30	2	42	.86	.156	9	1	.30	78	.01	6	.79	.02	.27	1	28
TRENCH 5 9	1	19	9	163	3.2	1	21	7925	7.66	86	5	ND	1	29	1	21	4	31	.64	.134	8	4	.40	50	.01	3	.41	.02	.21	1	2
TRENCH 5 10	2	14	34	96	3.4	2	10	664	4.26	256	5	ND	1	24	1	29	2	22	.07	.085	6	3	.02	43	.01	2	.21	.01	.28	1	38
TRENCH 5 11	3	16	14	155	9.1	3	7	2220	4.58	666	5	ND	1	24	1	40	3	5	.50	.059	7	20	.11	42	.01	3	.23	.01	.16	1	440
TRENCH 5 12	4	15	13	31	2.6	4	8	2796	4.93	135	5	ND	1	88	1	40	4	8	1.06	.268	6	4	.11	41	.01	2	.39	.01	.22	2	6
TRENCH 5 13	4	14	10	167	.9	1	11	11917	5.92	46	5	ND	2	24	1	19	4	12	.33	.113	14	6	.04	122	.01	2	.48	.01	.26	1	3
TRENCH 5 14	3	10	2	129	.4	3	8	4667	4.30	13	5	ND	3	31	1	8	4	12	.43	.109	19	1	.11	79	.01	5	.51	.01	.29	1	3
TRENCH 5 15	4	11	10	110	.5	1	10	2411	4.01	19	5	ND	3	28	1	11	2	12	.45	.115	17	4	.19	52	.01	5	.49	.01	.28	1	1
TRENCH 5 16	3	10	2	126	.2	3	8	1938	3.73	9	5	ND	3	22	1	7	2	14	.33	.111	23	1	.06	64	.01	8	.53	.01	.30	1	3
TRENCH 6 1	4	9	11	112	1.9	4	10	685	3.11	160	5	ND	1	13	1	193	2	15	.50	.178	11	2	.04	54	.01	12	.26	.01	.19	1	154
TRENCH 6 2	3	9	11	81	.5	3	13	4843	5.23	58	5	ND	1	44	1	27	3	14	1.53	.161	7	2	.26	38	.01	2	.31	.01	.20	1	4
TRENCH 6 3	3	14	12	110	1.0	3	17	3825	8.03	73	5	ND	2	17	1	32	2	25	.79	.217	11	1	.17	26	.01	2	.37	.01	.24	1	3
TRENCH 6 4	3	11	7	106	.6	1	15	9987	6.11	45	5	ND	1	18	1	23	3	26	1.02	.224	12	1	.24	39	.01	15	.31	.01	.21	1	5
TRENCH 6 5	1	5	2	71	.4	2	7	9631	4.59	29	5	ND	1	159	2	11	3	13	13.21	.104	7	1	1.93	55	.01	2	.16	.01	.10	1	1
TRENCH 6 6	3	9	23	94	2.5	3	10	962	2.87	103	5	ND	1	15	1	692	2	15	.74	.182	11	2	.08	49	.01	5	.24	.01	.18	1	24
TRENCH 7 1	18	48	208	7144	21.9	6	11	178	6.05	244	5	ND	1	4	6	4101	2	11	.13	.010	2	5	.02	19	.01	2	.13	.01	.12	1	133
TRENCH 7 2	6	28	46	4447	10.4	2	14	66	4.89	140	5	ND	1	6	3	214	3	20	.15	.051	6	2	.02	24	.01	3	.25	.01	.18	1	14
TRENCH 7 3	2	14	4	194	.5	2	24	551	5.15	46	5	ND	1	14	1	45	2	28	.62	.165	11	2	.07	27	.01	2	.38	.01	.24	1	14
TRENCH 7 4	1	23	3	80	.7	3	24	883	7.49	91	5	ND	1	11	1	54	4	26	.39	.138	9	1	.02	22	.01	2	.39	.01	.24	1	1
TRENCH 7 5	1	16	10	91	.1	2	22	1784	4.69	29	5	ND	1	16	1	19	2	25	.52	.150	11	2	.06	31	.01	2	.36	.01	.23	1	1
TRENCH 8 1	3	10	9	30	3.3	2	6	136	3.34	117	5	ND	2	6	1	16	2	8	.10	.024	10	3	.03	43	.01	3	.21	.01	.18	1	5
TRENCH 8 2	2	12	4	114	2.2	2	17	8299	6.95	101	5	ND	1	12	1	18	3	57	.38	.140	11	1	.21	39	.01	3	.30	.01	.22	1	12
TRENCH 8 3	2	13	6	167	4.7	2	14	244	6.13	374	5	ND	2	11	1	29	2	20	.18	.114	8	1	.03	27	.01	2	.26	.01	.21	1	51
TRENCH 8 4	3	17	24	169	10.5	5	20	85	5.20	276	5	ND	1	10	1	53	2	20	.29	.119	8	2	.01	30	.01	2	.29	.01	.19	1	115
TRENCH 8 5	3	15	31	117	19.6	1	21	407	4.74	332	5	ND	2	14	1	38	4	25	.40	.153	11	3	.03	33	.01	3	.41	.01	.26	1	147
TRENCH 8 6	2	13	35	138	5.1	1	18	1229	4.53	333	5	ND	1	21	1	37	2	33	.45	.144	12	1	.08	44	.01	4	.48	.01	.25	1	92
TRENCH 8 7	2	13	6	223	.8	4	12	2292	4.63	32	5	ND	1	30	1	9	2	63	1.08	.100	13	3	.36	73	.01	2	.72	.02	.13	1	5
TRENCH 8 8	5	10	14	80	1.9	7	6	207	2.59	94	5	ND	1	10	1	14	2	5	.19	.051	11	5	.01	60	.01	10	.15	.01	.14	1	2
TRENCH 9 1	2	10	8	137	.8	3	18	12099	6.55	63	5	ND	1	16	1	12	4	39	.41	.108	8	2	.23	44	.01	2	.34	.01	.23	1	1
TRENCH 9 2	1	16	16	184	2.4	3	22	5863	7.10	154	5	ND	1	15	1	29	2	29	.35	.130	7	2	.07	25	.01	2	.27	.01	.20	1	1
TRENCH 9 3	2	18	71	467	4.1	5	23	5127	7.45	199	5	ND	1	20	1	48	2	31	.58	.156	8	1	.17	20	.01	2	.41	.01	.23	1	40
TRENCH 9 4	2	20	66	238	27.8	4	17	128	4.29	236	5	ND	1	8	1	55	2	24	.15	.064	6	3	.01	34	.01	11	.24	.01	.19	1	84
STD C/AU-R	18	64	36	132	6.7	75	31	961	4.22	43	18	7	38	49	19	16	21	59	.52	.092	39	53	.93	175	.07	34	2.07	.06	.13	12	525

✓
- ASSAY REQUIRED FOR CORRECT RESULT -

GRANGES EXPLORATION LTD. PROJECT 134 FILE # 89-2954

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Mn	Co	Ni	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Tl	B	Al	Na	K	V	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	PPM	PPM	PPM	PPM
TRENCH 9 5	3	10	32	99	4.5	6	8	665	4.23	217	5	ND	1	19	1	39	2	7	.52	.059	8	3	.13	34	.01	5	.34	.01	.21	1	31
TRENCH 9 6	2	14	20	134	1.6	7	10	287	3.98	111	5	ND	3	14	1	28	2	9	.24	.100	16	6	.04	41	.01	8	.48	.01	.28	1	10
R/35/1	5	137	1697	7379	10.0	11	5	1071	2.60	224	5	ND	1	61	31	12	2	9	1.67	.049	3	3	.34	50	.01	9	.30	.01	.18	1	1
R/35/2	1	44	17	50	.1	7	14	87	4.42	143	5	ND	1	77	1	257	2	157	.49	.216	1	19	.66	62	.01	3	1.26	.03	.15	2	3
R/35/3	2	42	30	56	.1	4	5	98	3.44	145	5	ND	1	91	1	1189	2	64	.06	.085	7	7	.03	177	.03	3	.50	.01	.09	1	7
R/35/4	1	73	282	371	4.0	9	4	353	1.06	28	5	ND	1	17	1	43	4	28	1.01	.075	1	39	.04	50	.01	3	.30	.01	.17	1	810
R/35/5	1	54	25	33	1.1	14	14	854	6.14	97	5	ND	1	101	1	38	2	108	3.48	.144	9	37	.82	20	.01	2	1.03	.02	.05	2	23
R/35/6	1	55	10	60	.1	32	19	1176	4.83	111	5	ND	2	482	1	2	2	137	11.00	.147	8	93	3.23	162	.01	2	.65	.01	.04	1	2
R/35/7	1	37	15	22	.2	9	5	207	3.92	23	5	ND	1	108	1	2	2	179	.67	.236	15	38	.98	29	.10	2	.95	.08	.05	1	3
R/36A/1	32	29	54	87	2.1	4	25	161	16.83	630	5	ND	1	19	1	8	2	56	.49	.096	4	3	.29	17	.01	2	.62	.02	.16	1	89
R/36A/2	9	26	72	38	2.6	2	26	155	19.42	1062	5	ND	2	6	1	9	2	70	.17	.090	3	4	.40	16	.01	2	.82	.02	.12	1	34
R/36A/3	4	66	76	403	2.2	3	10	1252	18.32	1490	5	ND	2	42	5	2	2	13	4.37	.023	5	1	2.52	27	.01	2	.65	.01	.15	1	10
R/36A/4	1	21	11	56	3.0	1	21	2127	18.77	1177	5	ND	2	52	4	4	2	72	3.36	.079	6	1	2.69	20	.01	2	1.99	.01	.05	1	16
R/36A/5	9	9	57	82	.8	2	3	428	5.27	67	5	ND	1	8	1	2	2	2	.20	.009	6	14	.14	33	.01	4	.70	.02	.20	1	131
R/36A/6	6	14	132	80	1.6	2	7	472	8.90	342	5	ND	1	5	1	2	2	3	.19	.016	5	1	.29	28	.01	2	1.17	.01	.24	1	810
R/36A/7	6	9	29	88	.7	3	4	821	4.13	8	5	ND	1	21	1	2	2	1	1.26	.007	7	13	.05	43	.01	3	.37	.01	.18	1	27
R/36A/8	5	14	27	32	1.3	2	7	489	6.60	16	5	ND	1	4	1	2	2	2	.21	.012	5	1	.16	30	.01	3	.60	.01	.23	2	86
R/36A/9	5	19	27	51	1.2	5	13	555	9.58	29	5	ND	1	4	1	2	2	3	.19	.010	3	10	.14	17	.01	2	.56	.01	.21	1	61
R/36A/10	4	6	48	31	.8	1	3	326	2.12	6	5	ND	1	4	1	2	2	1	.14	.015	9	1	.06	56	.01	2	.41	.01	.23	2	38
R/36A/11	1	18	342	199	4.2	6	13	1535	6.28	554	5	ND	1	28	1	18	3	10	2.93	.077	2	11	1.28	28	.01	3	.38	.01	.18	1	350
R/36A/12	2	9	37	30	3.6	3	14	340	7.74	385	5	ND	1	10	1	18	2	9	.70	.071	3	1	.22	27	.01	2	.40	.01	.22	1	250
R/36A/13	1	34	399	2562	8.9	4	13	537	8.26	10452	5	ND	1	11	9	96	2	6	.77	.026	2	16	.26	21	.01	3	.25	.01	.14	1	1410
R/36A/14	2	13	473	353	4.8	1	11	666	7.81	628	5	ND	1	15	2	14	4	8	1.44	.036	2	1	.63	18	.01	2	.30	.01	.17	1	518
R/36A/15	1	37	371	550	10.9	4	18	1826	10.55	3307	5	ND	1	43	3	47	2	12	3.30	.044	2	13	1.29	19	.01	2	.28	.01	.16	1	1120
R/36A/16	2	16	154	145	4.1	2	17	129	7.97	696	5	ND	1	6	1	23	4	12	.22	.056	2	1	.10	22	.01	3	.39	.01	.19	1	700
R/36A/17	2	16	78	1959	3.3	4	3	2531	2.48	1195	5	ND	1	47	7	20	3	3	4.89	.015	2	3	2.41	17	.01	2	.20	.01	.05	1	840
R/36A/18	6	35	422	927	3.0	4	6	1141	8.67	851	5	ND	1	16	3	34	3	2	1.58	.015	3	2	.55	29	.01	2	.36	.01	.15	1	1420
R/36A/19	2	12	78	42	2.7	1	18	37	5.20	631	5	ND	1	6	1	9	5	17	.10	.077	3	1	.03	32	.01	5	.45	.01	.25	1	530
R/36A/20	4	8	54	43	1.0	1	7	336	4.84	965	5	ND	1	8	1	2	2	1	.44	.018	5	1	.13	30	.01	2	.36	.01	.21	1	260
R/36A/21	1	25	763	370	5.0	4	12	80	6.59	880	5	ND	1	13	1	15	4	9	.27	.023	2	2	.05	19	.01	2	.27	.01	.16	1	720
R/36A/22	7	4	15	241	.2	2	1	13	.95	2	5	ND	1	2	1	2	3	1	.06	.003	8	2	.02	53	.01	4	.37	.01	.22	1	380
R/36A/23	4	19	1219	2434	193.5	3	9	763	5.28	4746	5	ND	1	21	7	232	2	1	.71	.015	3	2	.26	24	.01	2	.27	.01	.18	1	2130
R/36A/24	7	13	129	1201	25.9	4	8	42	7.16	7075	5	3	1	2	4	170	3	2	.05	.004	3	3	.03	20	.01	4	.24	.01	.14	1	3690
R/36A/25	4	335	5314	9891	750.8	6	3	171	5.01	7983	5	5	1	6	22	681	3	2	.27	.010	1	5	.12	20	.01	2	.19	.01	.11	1	3720
R/36A/26	2	13	47	401	17.5	5	6	813	2.82	562	5	ND	1	8	1	28	4	4	.48	.018	4	2	.13	37	.01	3	.32	.01	.20	1	600
R/36A/27	3	41	1514	763	106.8	7	5	80	7.50	3304	5	7	1	5	2	289	2	1	.03	.006	2	6	.01	15	.01	4	.13	.01	.08	1	7410
STD C/AU-R	19	60	43	132	7.1	70	31	1038	4.19	44	19	8	39	50	20	15	21	61	.52	.096	40	56	.95	177	.07	34	2.04	.06	.13	11	470

ASSAY REQUIRED FOR CORRECT RESULT

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	V	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM	PPM	
R/36A/29	6	27	126	63	15.2	1	11	305	10.42	3797	5	ND	4	1	1683	2	6	.01	.010	4	1	.01	4	.01	2	.30	.01	.04	1	45	
R/36A/29	26	27	36	44	2.1	1	10	356	17.44	2803	5	ND	5	3	159	2	3	.02	.008	10	1	.02	37	.01	2	.55	.01	.13	2	3	
R/36A/30	6	6	212	41	25.0	3	4	35	5.26	544	5	ND	1	2	1	47	2	1	.01	.006	7	3	.01	19	.01	3	.21	.01	.15	1	360
R/36A/31	1	24	71	128	7.4	6	16	25	11.43	695	5	ND	1	3	1	24	2	8	.08	.045	2	10	.02	12	.01	5	.33	.01	.19	1	300
R/36A/32	7	6	30	57	1.9	1	2	351	4.24	92	5	ND	1	13	1	9	3	1	.21	.017	6	1	.18	49	.01	5	.68	.01	.23	1	30
R/36A/33	5	11	893	113	69.7	3	1	53	3.60	4638	5	3	1	2	1	185	3	1	.01	.003	2	34	.01	38	.01	2	.10	.01	.24	1	2830
R/38/1	1	77	18	30	1.4	5	11	2359	4.99	18	5	ND	1	134	1	6	2	81	4.88	.124	6	5	1.90	38	.01	13	.85	.01	.15	1	64
R/38/2	1	64	10	34	.4	3	7	2047	2.66	22	5	ND	1	2260	1	2	2	26	17.70	.085	6	10	1.43	58	.01	5	.40	.01	.10	1	33
R/38/3	1	334	46	121	.2	3	10	1173	4.46	5	5	ND	1	456	4	2	2	36	7.71	.144	6	2	1.14	111	.01	10	.48	.01	.24	1	11
R/38/4	1	135	34	83	.1	5	13	976	4.54	10	5	ND	1	732	1	2	2	23	6.72	.114	5	12	1.53	100	.01	6	.42	.01	.32	1	2
R/38/5	1	29	7	23	.1	2	4	2537	2.61	7	5	ND	1	1095	1	2	2	54	22.65	.023	7	1	2.24	105	.01	4	.14	.01	.02	1	5
R/38/6	1	38	12	54	.1	4	12	1997	5.83	5	5	ND	2	626	1	2	2	30	6.70	.096	4	13	1.54	63	.01	2	.33	.01	.12	1	1
R/38/7	4	59	34	165	2.2	11	20	1584	2.91	45	5	ND	1	112	1	51	3	21	2.99	.109	4	3	.68	41	.01	5	.37	.01	.23	1	31
R/38/8	2	45	47	25	.8	6	6	848	2.48	14	5	ND	1	369	1	21	2	25	4.32	.094	3	6	.86	24	.01	2	.11	.01	.05	1	34
R/38/9	3	25	15	68	.1	8	10	224	4.38	11	5	ND	1	13	1	2	2	27	.33	.064	6	9	.78	57	.06	2	1.29	.02	.11	1	2
R/38/10	6	49	585	438	2.1	7	2	72	2.81	1280	5	ND	2	3	2	18	2	1	.04	.011	15	6	.14	65	.01	4	.44	.01	.13	1	1570
R/38/11	15	13	39	110	3.2	8	6	264	6.46	157	5	ND	3	3	1	13	2	4	.02	.009	16	2	.17	32	.01	2	.40	.01	.13	1	127
R/38/12	6	6	21	14	2.3	6	2	51	2.09	84	5	ND	4	6	1	8	2	1	.01	.004	21	6	.01	63	.01	2	.13	.01	.15	1	74
R/38/13	7	14	73	13	7.6	2	2	65	3.40	187	5	ND	3	3	1	11	2	1	.01	.003	17	2	.01	41	.01	3	.16	.01	.13	1	146
R/38/14	18	12	26	10	8.1	5	3	390	5.12	155	5	ND	2	1	1	14	2	1	.01	.001	13	4	.01	21	.01	2	.12	.01	.12	1	210
R/38/15	10	17	29	257	12.9	3	2	68	3.75	230	5	ND	2	3	1	10	3	1	.01	.003	13	4	.01	45	.01	3	.15	.01	.12	1	207
R/38/16	9	13	25	33	8.0	4	3	69	4.48	288	5	ND	3	2	1	10	3	1	.01	.004	15	4	.01	36	.01	2	.15	.01	.14	1	78
R/38/17	10	16	16	82	.1	1	4	952	5.55	2	5	ND	3	18	1	2	2	1	.31	.037	26	2	.10	421	.01	2	.55	.02	.22	1	1
R/38/18	10	27	84	22	5.8	2	3	40	5.80	27	5	ND	3	3	1	6	2	1	.01	.004	12	2	.01	19	.01	2	.24	.01	.19	1	19
R/38/19	9	29	54	92	1.0	1	6	528	7.42	36	5	ND	2	16	1	2	2	1	.52	.037	9	1	.15	21	.01	5	.33	.01	.20	1	1
R/38/20	3	25	43	78	1.2	1	13	558	6.60	16	5	ND	1	42	1	2	3	14	1.41	.078	6	1	.19	32	.01	2	.41	.01	.24	1	4
R/38/21	2	8	24	10	.4	1	1	51	2.31	12	5	ND	1	39	1	2	2	1	.84	.006	10	2	.01	63	.01	2	.28	.01	.20	1	4
R/38/22	2	5	16	14	.2	3	1	21	1.67	4	5	ND	2	6	1	2	2	1	.03	.008	15	3	.01	117	.01	4	.29	.01	.21	1	3
R/40/8	3	512	8507	20411	13.1	1	16	6412	14.55	173	5	ND	2	80	95	5	10	81	4.48	.042	8	1	4.19	16	.01	2	3.38	.01	.03	4	77
R/40/9	3	62	728	571	3.3	5	8	182	4.27	661	5	2	1	8	2	11	2	3	.26	.036	8	3	.08	36	.01	2	.32	.01	.18	1	1320
R/40/10	1	41	570	2940	2.6	1	15	473	8.71	735	5	ND	1	7	12	9	2	81	.37	.122	6	1	.50	15	.01	2	1.15	.03	.08	1	670
R/40/11	4	87	2954	2531	2.9	1	3	346	3.77	54	5	ND	1	5	11	7	2	24	.13	.072	6	2	.40	45	.01	2	.74	.01	.09	1	45
R/45/1	1	14	13	32	.1	2	3	976	3.73	3	5	ND	2	422	1	2	2	48	23.80	.024	2	7	3.24	101	.01	2	.14	.01	.01	3	3
R/508/1	3	85	21	66	.3	5	12	396	4.94	27	5	ND	1	13	1	2	2	54	.39	.112	2	6	1.49	56	.17	2	1.38	.02	.14	2	49
R/508/2	6	146	15	59	.4	5	12	514	4.27	25	5	ND	1	34	1	2	2	43	2.21	.093	2	4	1.12	49	.11	2	1.10	.02	.16	1	48
R/508/3	4	45	28	46	.2	3	8	294	4.50	29	5	ND	1	25	1	2	2	51	.29	.116	2	5	1.11	76	.16	2	1.13	.03	.14	3	26
STD C/AU-R	18	64	40	132	6.7	72	31	1001	4.26	41	18	7	37	48	18	14	18	58	.52	.089	38	56	.93	174	.07	34	2.08	.06	.13	12	530

- ASSAY REQUIRED FOR CORRECT RESULT -

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Xn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	V	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM	PPM	
R/502/1	4	41	29	39	.4	5	10	303	4.94	32	5	ND	1	49	1	2	2	50	.61	.097	2	7	1.05	51	.16	5	.97	.02	.11	3	56
R/502/5	2	55	35	67	.4	5	18	436	6.29	39	5	ND	1	13	1	2	2	46	.30	.127	2	10	1.33	40	.12	1	1.17	.02	.11	3	41
R/502/6	1	91	26	58	.3	7	22	523	5.65	39	5	ND	1	16	1	2	3	34	.67	.093	2	7	1.34	49	.03	5	1.22	.01	.12	1	46
R/502/7	3	123	51	61	.5	11	20	477	4.99	34	5	ND	1	47	1	2	2	40	3.65	.106	2	8	1.47	42	.10	2	1.35	.01	.10	3	44
R/502/8	2	77	15	38	.2	2	10	460	4.32	20	5	ND	1	33	1	2	3	36	1.59	.110	2	6	1.19	23	.08	2	1.13	.01	.13	2	41
R/502/9	3	54	26	37	.3	2	9	385	3.87	17	5	ND	1	18	1	2	2	24	1.63	.080	2	4	.89	41	.07	4	.95	.01	.15	1	25
R/502/10	8	51	26	55	.4	2	11	380	5.86	14	5	ND	1	11	1	2	2	18	.84	.115	2	4	.92	26	.06	4	1.07	.01	.16	1	38
R/502/11	1	129	11	55	.3	5	15	831	5.73	15	5	ND	1	47	1	2	2	78	3.27	.146	2	10	1.89	35	.07	2	1.80	.01	.09	1	59
R/502/12	3	81	34	30	.2	3	25	733	9.60	28	5	ND	1	107	1	2	2	7	10.18	.072	2	6	.35	13	.01	2	.35	.01	.14	2	43
R/502/13	14	106	23	52	.4	4	14	467	7.68	5	5	ND	1	32	1	2	2	33	1.62	.103	2	4	.84	8	.10	2	.84	.01	.14	2	46
R/502/14	1	114	17	67	.6	10	18	621	5.56	9	5	ND	1	21	1	2	3	57	.95	.121	2	17	2.25	23	.13	2	1.72	.02	.08	2	52
R/51/1	3	26	31	60	3.6	4	11	296	5.90	35	5	ND	1	15	1	13	2	48	.45	.125	5	4	.89	32	.01	2	1.17	.02	.16	2	27
R/51/2	3	9	32	56	.6	4	6	192	4.94	28	5	ND	1	4	1	16	2	39	.20	.130	4	12	1.08	47	.01	8	1.38	.01	.26	1	7
R/51/3	10	48	23	71	.7	17	14	281	3.34	47	5	ND	1	17	1	6	4	146	.35	.114	3	43	1.85	51	.06	2	1.27	.01	.04	2	13
R/51/4	16	42	13	13	.5	4	11	24	3.42	13	5	ND	1	11	1	21	2	47	.15	.078	3	17	.03	30	.01	2	.17	.01	.16	1	5
R/51/5	5	82	16	46	.1	7	18	29	3.42	20	5	ND	1	26	1	22	2	90	.43	.174	5	7	.09	37	.01	9	.24	.01	.14	2	3
R/51/6	3	50	30	3	.2	4	9	19	2.37	33	5	ND	1	19	1	19	2	26	.13	.086	4	13	.04	65	.01	4	.32	.01	.23	1	8
R/51/7	5	22	32	9	.9	2	7	24	2.99	28	5	ND	1	12	1	18	2	38	.21	.095	4	3	.10	47	.01	5	.29	.01	.15	1	5
R/51/8	4	53	47	33	2.8	6	18	1174	8.22	100	5	ND	1	65	1	32	2	57	2.29	.119	4	9	.96	18	.01	4	.61	.01	.20	1	29
R/51/9	3	28	19	18	3.4	6	8	69	4.87	290	5	ND	1	24	1	18	2	22	.14	.106	2	5	.11	35	.01	2	.35	.01	.20	1	450
R/51/10	2	31	24	15	5.2	5	10	41	6.37	244	5	ND	1	13	1	14	2	15	.14	.070	2	20	.05	16	.01	4	.23	.01	.14	1	330
R/51/11	4	25	64	16	27.2	7	7	36	4.70	369	5	ND	1	18	1	142	4	23	.14	.091	3	6	.08	46	.01	6	.29	.01	.19	1	650
R/51/12	1	28	8	23	.1	1	7	2027	4.13	10	5	ND	1	244	1	2	2	17	11.95	.054	3	4	4.70	42	.01	2	.21	.01	.10	1	3
R/51/13	1	39	9	13	.5	3	10	1872	4.33	9	5	ND	1	176	1	11	2	29	11.65	.072	5	3	2.86	176	.01	11	.25	.01	.09	1	7
R/51/14	31	78	44	81	.2	6	15	1372	7.63	5	5	ND	2	348	1	2	2	916	5.06	.256	20	8	2.29	268	.23	2	2.34	.02	.10	1	4
R/51/15	7	158	33	30	.3	2	13	275	6.99	15	5	ND	1	26	1	2	2	186	.61	.244	7	6	1.31	35	.13	2	.89	.03	.12	1	5
R/51/16	2	36	14	54	.2	3	24	786	7.47	3	5	ND	1	24	1	2	2	259	.51	.207	6	9	2.55	35	.16	2	1.58	.02	.06	2	3
R/52/1	1	10	9	56	.2	7	17	1228	6.27	3	5	ND	2	533	1	2	2	63	14.21	.073	2	3	2.48	280	.01	6	.20	.01	.08	1	2
2300N/530E	1	10	21	40	.8	3	19	705	5.81	107	5	ND	1	55	1	8	4	19	2.02	.088	2	2	.72	20	.01	5	.33	.01	.14	1	64
2003N/397E	1	24	1849	4438	76.6	2	4	4086	3.22	81	5	ND	1	268	8	31	4	9	9.87	.015	2	3	2.79	20	.01	2	.25	.01	.02	1	99
2000N/400E	1	12	42	110	5.9	2	18	1390	7.27	334	5	ND	1	66	1	19	3	13	3.12	.112	5	2	1.25	24	.01	5	.34	.01	.17	1	88
1800N/100E	3	20	310	519	4.2	3	15	1027	10.28	18039	5	4	1	22	1	100	2	7	1.66	.078	4	2	.47	16	.01	2	.25	.01	.12	1	10300
1800N/150E	10	10	35	24	1.3	1	10	11767	14.32	346	5	ND	1	152	1	9	2	8	14.93	.012	3	1	3.85	11	.01	2	.29	.01	.02	3	156
1800N/380E	4	30	21	108	1.0	4	18	1616	5.58	75	5	ND	1	33	1	25	2	20	2.09	.138	4	1	.97	49	.01	2	.72	.01	.13	1	51
1780N/150E	8	12	43	13	3.4	1	13	9542	12.95	601	5	ND	1	23	1	21	2	2	7.50	.017	2	1	3.75	6	.01	2	.10	.01	.04	1	400
1780N/400E	1	2	6	28	.1	5	4	1046	2.90	20	5	ND	1	57	1	2	2	10	2.60	.028	2	5	1.28	14	.01	2	.52	.01	.03	1	12
570 C/AU-R	18	64	17	132	6.6	70	30	953	4.14	42	22	7	37	47	18	15	22	58	.47	.087	38	52	.92	173	.07	37	2.06	.06	.13	13	530

Zone 1 G.P.13
ROCK

✓ ASSAY REQUIRED FOR CORRECT RESULT

SAMPLE	Mo	Cu	Pb	Zn	Ag	Hg	Co	Mn	Pb	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Xg	Ba	Tl	B	Al	Na	K	V	AU*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	
1750N/460E	1	23	13	22	.1	3	5	2419	3.21	5	5	ND	1	139	1	5	2	6	4.87	.007	2	25	1.63	27	.01	2	.31	.01	.04	2	4
1735N/525W	13	19	6	93	.1	2	9	572	5.61	2	5	ND	1	30	1	2	3	75	.93	.146	16	4	.55	99	.06	12	1.35	.03	.13	2	4
1710N/1415E	2	20	21	102	1.1	3	18	4422	7.50	37	5	ND	3	176	1	10	2	55	6.37	.078	7	2	2.33	73	.13	5	1.52	.01	.08	1	16
1698N/502E	1	12	22	56	.1	7	5	980	3.81	2	5	ND	1	68	1	3	2	11	1.56	.013	2	9	.74	44	.01	5	1.35	.01	.04	3	1
1692N/460E	2	16	14	63	.2	7	8	400	2.71	8	5	ND	1	59	1	2	2	23	1.42	.046	2	33	.59	150	.01	6	1.04	.01	.07	2	4
1690N/495E	1	73	19	145	.1	4	7	1432	4.94	2	5	ND	1	192	1	2	2	12	3.24	.038	2	4	1.11	42	.01	10	1.01	.01	.06	1	2
1604N/522E	3	19	42	193	3.2	2	18	4633	6.18	156	5	ND	1	159	1	18	2	19	4.37	.076	4	5	1.16	40	.01	3	.69	.01	.16	2	56
1250N/875W	1	14	6	25	1.2	1	12	358	6.17	77	5	ND	1	5	1	24	2	22	.08	.025	6	2	.02	18	.01	12	.22	.01	.17	3	14
1240N/902V	3	21	18	64	7.4	1	8	46	7.48	396	5	ND	1	4	1	415	2	10	.02	.006	5	22	.01	7	.01	8	.18	.01	.16	3	26
1240N/894W	4	3	8	608	1.8	1	1	30	1.73	100	5	ND	3	7	1	14	2	1	.03	.010	23	1	.01	90	.01	16	.10	.01	.19	1	16
1225N/850W	14	45	116	114	136.6	6	11	28	16.86	1050	5	ND	2	2	1	347	2	6	.01	.004	2	6	.01	8	.01	4	.12	.01	.09	3	580
1225N/825W	3	14	28	21	1.5	3	7	137	6.17	147	5	ND	1	14	1	17	11	10	.08	.016	9	3	.02	4	.01	8	.21	.01	.21	2	10
STD C/AU-R	19	62	40	133	6.9	74	32	1039	4.29	42	23	7	40	51	19	15	19	61	.51	.092	41	55	.92	181	.07	37	2.03	.06	.13	12	510

ZONE 1 GRIND
UNUS

- ASSAY REQUIRED FOR CORRECT RESULT -

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 1ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1-P2 SOIL P3-P4 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE

DATE RECEIVED: AUG 21 1989 DATE REPORT MAILED: *Aug 26/89* SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GRANGES EXPLORATION LTD. PROJECT 134 File # 89-3079 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	J PPM	Au PPM	Tl PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU* PPM
S-39-1	1	110	20	94	.2	34	24	1225	6.10	23	5	ND	1	43	1	2	3	125	1.12	.173	11	54	1.73	210	.11	4	2.32	.01	.11	1	6
S-39-2	1	94	22	76	.1	19	19	1137	5.09	19	5	ND	1	35	1	2	2	119	.58	.122	30	35	1.03	26	.10	4	2.55	.04	.09	1	3
S-39-3	1	103	23	121	.5	34	19	835	4.62	39	5	ND	1	85	1	2	2	30	1.98	.155	13	42	1.41	146	.11	3	1.89	.03	.09	1	23
S-41-1	1	234	23	132	.4	15	40	2219	11.01	15	5	ND	1	138	1	2	2	276	1.23	.300	14	24	3.34	348	.09	9	2.91	.02	.12	1	16
S-41-2	1	120	61	307	.4	20	16	915	4.51	53	5	ND	2	64	1	3	2	39	.62	.184	21	8	1.15	188	.01	8	.82	.01	.16	1	7
S-41-3	1	130	30	194	.4	44	27	953	7.09	32	5	ND	1	35	1	4	2	67	1.24	.126	25	37	.67	203	.01	2	1.39	.01	.07	1	5
S-41-4	2	87	16	125	.3	64	17	571	4.78	38	5	ND	1	207	1	6	2	35	3.49	.137	12	23	.40	167	.01	17	.95	.01	.13	1	4
S-41-5	3	51	9	103	.2	55	20	736	5.71	68	5	ND	1	51	1	3	2	49	.70	.117	16	19	.43	57	.11	2	.91	.10	.11	1	4
S-41-6	2	93	27	145	.2	38	25	2955	6.97	30	5	ND	1	21	1	2	2	74	.93	.116	24	33	.97	167	.04	3	2.19	.02	.08	1	6
S-42-1	1	132	31	157	.2	27	27	1743	6.73	15	5	ND	2	25	1	2	2	138	.32	.091	21	32	1.70	76	.16	4	2.89	.03	.10	1	10
S-42-2	1	115	23	120	.2	23	28	865	7.15	7	5	ND	1	28	1	2	2	187	.57	.132	9	29	1.33	42	.24	5	2.99	.03	.44	1	8
S-42-3	1	171	14	128	.4	24	37	1938	10.92	7	5	ND	1	65	1	3	3	111	.90	.227	15	48	3.38	119	.25	9	3.93	.01	1.27	1	2
S-42-4	1	331	33	206	.7	14	27	1282	5.83	10	5	ND	3	27	1	2	3	113	.75	.140	26	21	1.56	224	.22	5	3.19	.12	.53	2	10
S-42-5	1	143	27	165	.4	37	38	1950	6.83	25	5	ND	1	24	1	2	2	110	.49	.132	21	31	1.51	77	.17	4	3.56	.01	.07	1	25
S-42-6	2	179	47	190	.7	40	41	2377	7.40	52	5	ND	1	24	1	2	2	103	.35	.102	32	33	1.31	71	.12	2	3.80	.01	.05	1	25
S-42-7	1	83	14	111	.3	35	18	722	6.15	18	5	ND	2	24	1	3	2	107	.72	.098	11	34	1.38	56	.23	6	2.62	.06	.10	2	6
S-42-8	3	144	16	193	.9	63	23	1591	6.22	16	5	ND	1	23	1	2	2	79	.46	.113	12	34	1.24	159	.05	2	2.46	.01	.08	1	11
S-42-9	2	153	18	205	.9	75	29	1949	6.45	31	5	ND	1	24	1	4	2	78	.48	.108	13	36	1.11	213	.05	2	2.38	.01	.07	1	13
S-42-10	4	160	17	257	.9	83	31	1761	7.05	21	5	ND	1	31	1	2	2	110	.41	.141	14	39	1.37	120	.14	2	3.15	.01	.08	1	16
S-42-11	6	154	12	154	1.3	79	28	1522	6.77	20	5	ND	1	21	2	4	2	92	.30	.135	12	41	1.25	72	.14	2	2.77	.02	.06	1	19
S-42-12	3	88	17	138	.5	40	16	990	4.95	15	5	ND	1	13	1	2	3	83	.17	.128	11	34	.97	64	.11	2	3.54	.01	.05	1	11
S-42-13	1	144	19	173	.9	59	28	1416	6.47	15	5	ND	1	62	1	2	3	110	.60	.132	11	34	1.32	78	.17	8	3.05	.02	.07	1	18
S-42-14	1	148	25	122	.3	25	24	1401	6.28	15	5	ND	1	48	1	2	2	133	.89	.178	14	27	1.71	107	.14	2	3.08	.02	.21	1	8
S-42-15	1	141	14	123	.4	27	26	1557	6.45	23	5	ND	1	42	1	2	3	142	.86	.170	15	29	1.61	98	.14	2	3.00	.02	.15	1	9
S-43-1	3	89	16	126	.3	43	22	1450	5.38	17	5	ND	1	24	1	2	2	53	.50	.128	14	30	1.02	186	.01	3	1.97	.01	.06	1	6
S-43-2	6	208	14	316	1.5	93	34	2715	7.90	19	5	ND	1	20	4	2	2	85	.60	.134	24	39	.96	223	.02	5	1.84	.01	.06	1	12
S-43-3	6	166	18	325	1.6	100	29	3389	8.38	63	5	ND	1	20	2	3	2	71	.45	.124	17	24	.20	308	.01	2	.78	.01	.07	1	7
S-43-5	23	281	20	402	1.9	127	34	1706	3.64	36	5	ND	1	28	5	2	2	61	1.65	.092	13	30	.47	82	.01	2	1.19	.01	.08	1	18
S-43-6	5	130	27	172	.9	68	34	1931	5.38	95	5	ND	1	25	1	6	2	90	.46	.117	24	32	.55	150	.01	2	1.06	.01	.05	1	27
S-43-7	4	98	38	153	.4	42	28	2234	7.57	57	5	ND	1	23	1	3	2	79	.53	.109	23	36	.71	136	.03	2	1.44	.01	.06	1	12
S-43-8	1	83	16	150	.3	38	31	2309	9.69	73	5	ND	1	24	1	3	2	133	.61	.112	14	23	.39	397	.01	4	.92	.01	.06	1	5
S-43-9	4	252	34	283	2.0	132	42	1703	12.38	97	5	ND	1	22	1	7	2	52	.50	.105	22	24	.32	140	.02	4	.72	.02	.09	1	42
S-44-1	1	166	32	190	.3	42	29	1484	6.17	17	5	ND	1	24	1	3	2	29	.65	.101	20	16	.63	142	.01	3	1.68	.01	.14	1	25
S-44-2	3	107	30	135	.7	41	31	1696	6.99	57	5	ND	1	21	1	5	2	72	.53	.127	25	26	.55	84	.01	3	1.02	.01	.04	1	41
S-44-3	1	135	10	115	.4	30	43	1991	10.95	8	5	ND	1	55	1	2	3	271	1.06	.228	15	42	2.28	154	.23	2	2.34	.01	.02	1	10
S-44-4	14	142	42	145	1.0	20	53	4181	10.89	60	5	ND	1	13	1	4	2	207	.40	.214	19	26	1.28	61	.12	7	2.37	.01	.04	1	31
STD GRAN-5	18	64	42	132	6.9	69	31	1117	4.10	41	13	7	38	50	13	14	21	60	.50	.095	40	58	.88	179	.07	34	1.96	.06	.12	12	48

GRANGES EXPLORATION LTD. PROJECT 134 FILE # 89-3079

	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM		
	1	53	10	73	.1	50	15	623	4.08	16	5	ND	1	138	1	2	3	85	3.24	.107	13	67	1.46	83	.16	5	1.80	.10	.08	1	1
	2	76	13	96	.1	59	18	769	4.68	26	5	ND	1	58	1	2	3	83	1.28	.130	18	57	1.25	93	.06	3	1.59	.02	.07	1	2
	4	77	15	98	.1	51	16	713	4.55	31	5	ND	1	76	1	2	2	72	1.85	.140	18	52	.93	87	.03	2	1.29	.01	.08	1	2
	1	130	19	126	.1	49	31	1844	7.49	16	5	ND	3	94	1	2	2	188	1.43	.300	30	64	1.48	141	.11	2	2.72	.02	.13	1	4
S-53-1	1	107	11	104	.1	38	20	1103	5.82	11	5	ND	4	133	1	2	2	150	5.07	.214	23	40	.92	170	.04	2	1.98	.01	.08	1	1
S-54-1	2	29	15	139	.1	12	21	1979	6.42	4	5	ND	1	53	1	2	12	107	.64	.120	13	15	.63	149	.16	2	1.03	.04	.06	1	3
S-54-2	1	1	8	84	.9	21	38	772	6.31	7	5	ND	3	187	2	2	2	119	2.14	.080	12	11	2.26	91	.02	2	3.11	.69	.38	1	19
S-54-3	1	21	6	77	.1	20	25	708	5.72	6	5	ND	1	176	1	2	5	115	1.97	.077	11	9	2.07	92	.69	2	2.96	.61	.33	1	1
S-54-4	1	17	7	54	.3	15	14	676	3.87	4	5	ND	1	69	1	2	2	73	.85	.096	8	13	.83	108	.31	6	1.61	.17	.13	1	4
S-54-5	1	23	8	91	.1	16	22	1003	5.87	7	5	ND	2	124	2	2	2	107	1.42	.088	11	12	1.67	96	.53	2	2.72	.42	.24	1	1
S-54-6	1	20	7	80	.1	19	25	732	6.03	6	5	ND	2	162	2	2	2	118	1.85	.081	11	13	2.10	82	.69	2	2.89	.58	.31	1	3
S-54-7	1	20	7	52	.1	12	14	451	3.75	2	5	ND	1	95	1	2	2	76	1.05	.091	8	9	1.14	78	.35	3	1.88	.26	.15	1	3
S-54-8	1	25	9	78	.1	15	20	1009	4.82	5	5	ND	2	154	1	2	2	90	1.80	.092	10	13	1.47	173	.46	2	2.35	.36	.21	1	1
S-54-9	1	26	8	82	.1	18	20	911	5.28	11	5	ND	1	110	1	2	3	98	1.28	.107	11	14	1.52	119	.42	3	2.46	.35	.20	1	2
S-54-10	1	26	9	63	.1	14	19	1742	4.17	2	5	ND	1	77	1	2	3	83	.81	.120	7	10	.75	101	.28	5	1.47	.14	.11	1	4
S-54-11	9	25	10	139	.2	20	21	2739	3.59	30	5	ND	1	137	1	2	3	68	1.79	.118	21	17	.92	143	.21	6	3.28	.19	.12	1	7
S-60-1	2	243	47	167	.1	30	35	1970	7.97	37	5	ND	3	28	1	2	2	165	.37	.198	16	22	1.69	88	.24	2	4.47	.04	.14	1	8
S-60-2	2	351	61	195	.3	40	57	3558	8.16	66	5	ND	2	27	1	7	2	174	.56	.201	16	23	1.66	112	.21	2	4.18	.04	.13	1	43
S-60-3	1	157	30	112	.1	20	25	1558	5.62	13	5	ND	3	24	1	2	5	143	.46	.128	17	19	1.91	44	.26	6	3.21	.03	.40	1	4
S-60-4	1	189	36	159	.1	15	40	4088	7.76	13	5	ND	3	57	2	2	6	240	1.06	.207	18	15	2.55	86	.33	2	3.92	.01	.32	1	3
S-60-5	4	112	20	176	.3	36	31	2448	7.91	101	5	ND	2	78	1	2	2	102	.97	.114	14	16	1.50	78	.34	2	2.08	.26	.18	1	5
S-60-6	2	75	15	99	.1	23	7	575	3.30	10	5	ND	1	11	1	2	4	63	.17	.078	15	23	.93	35	.03	10	1.54	.02	.05	1	2
12800N 200W	3	33	24	72	.6	11	10	1051	4.16	24	5	ND	1	17	1	2	3	76	.18	.077	11	21	.49	54	.10	2	2.41	.04	.09	1	6
SS-53-1	2	132	11	125	.1	43	30	1547	6.83	16	5	ND	2	90	1	2	2	184	1.44	.242	20	52	2.06	146	.23	3	2.93	.13	.27	1	3
STD C/AU-S	19	61	38	132	6.7	68	31	1025	4.04	41	21	7	40	50	19	14	23	61	.49	.089	40	55	.88	178	.07	36	1.99	.06	.13	13	49

GEOCHEMICAL/ASSAY CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN PB SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1-P2 SOIL P3-P4 ROCK AU** BY FIRE ASSAY FROM 1/2 A.T.

DATE RECEIVED: AUG 21 1989 DATE REPORT MAILED: Aug 26/89 SIGNED BY: *C. Long* D. TOYI, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GRANGES EXPLORATION LTD. PROJECT 134 File # 89-3079 Page 3

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Ce	Mg	Ba	Ti	B	Al	Na	K	W	AU**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	GM/T	
R-39-1	20	76	15	1087	.1	25	11	305	4.74	431	5	ND	1	54	6	48	2	9	1.43	.082	2	5	.13	21	.01	5	.30	.01	.15	1	.01
R-39-2	138	46	11	62	.2	9	8	1203	10.93	69	5	ND	1	256	1	42	2	18	8.86	.047	2	13	.30	14	.01	2	.48	.01	.07	1	.01
R-39-3	22	136	6	32	.3	51	22	182	7.67	1414	6	ND	1	27	1	204	2	15	1.11	.044	2	25	.04	15	.01	5	.36	.01	.23	61	.03
R-39-4	175	40	16	64	.3	10	9	297	8.42	198	5	ND	1	61	1	103	2	34	1.74	.067	3	14	.20	18	.01	2	.54	.01	.21	1	.01
R-39-5	8	102	8	81	.2	30	22	244	7.21	2542	5	ND	1	45	1	315	2	22	1.39	.154	4	19	.19	20	.01	5	.42	.01	.23	170	.03
R-39-6	19	71	19	64	.1	27	17	236	8.72	1697	7	ND	1	23	1	216	2	41	.70	.105	3	39	.26	15	.01	4	.63	.01	.18	16	.02
R-39-7	10	74	7	70	.2	33	20	588	5.03	895	5	ND	1	70	1	130	2	41	2.56	.147	5	42	.16	27	.01	9	.63	.01	.28	45	.02
R-39-8	18	73	61	414	.3	45	14	184	8.02	1349	5	ND	1	27	1	64	3	37	.79	.085	2	19	.17	14	.01	2	.54	.01	.15	1	.01
R-41-1	1	15	2	18	.3	2	4	860	3.40	13	5	ND	1	752	1	2	2	25	15.81	.035	5	3	4.75	83	.01	2	.25	.01	.03	1	.01
R-41-3	1	11	5	38	.3	21	6	1284	4.75	36	5	ND	1	722	1	3	2	24	20.11	.030	6	17	3.46	105	.01	2	.25	.01	.05	1	.01
R-42-1	3	153	448	15690	3.0	6	4	212	1.19	11	5	ND	1	18	39	2	3	3	.26	.022	3	4	.14	36	.01	3	.36	.01	.08	1	.02
R-43-1	1	17	6	54	.2	6	3	604	2.09	7	5	ND	1	695	1	2	2	7	20.02	.014	2	1	4.96	137	.01	2	.15	.01	.04	1	.02
R-43-2	1	39	11	77	.1	12	5	529	2.20	25	5	ND	1	356	1	2	2	22	15.68	.052	4	14	1.14	54	.01	2	.29	.01	.03	1	.01
R-43-3	1	20	3	52	.1	7	3	769	1.52	5	5	ND	1	943	1	3	2	20	16.66	.031	9	13	.61	74	.01	2	.37	.01	.04	1	.01
R-44-1	2	27	12	54	.2	9	5	209	1.69	109	5	ND	1	43	1	3	2	9	1.60	.041	3	7	.08	34	.01	3	.14	.02	.05	1	.22
R-44-2	1	252	53	403	1.1	20	6	615	7.14	503	5	ND	1	86	1	6	4	13	4.16	.016	3	11	.74	20	.01	2	.15	.01	.02	1	1.13
R-44-3	1	16	18	48	.1	9	3	877	1.69	376	5	ND	1	1490	1	6	2	7	22.41	.029	9	8	.52	140	.01	2	.12	.01	.05	1	.02
R-46-1	1	12	11	65	.2	49	9	446	3.31	6	5	ND	1	250	1	2	2	76	7.74	.059	4	76	1.86	21	.09	2	1.97	.01	.02	1	.01
R-46-2	1	43	12	57	.1	44	9	471	2.65	75	5	ND	1	701	1	2	2	69	8.16	.066	5	79	1.24	14	.08	2	1.45	.01	.03	1	.03
R-53-1	1	52	19	101	.6	27	6	428	1.48	24	5	ND	1	90	1	3	2	48	3.98	.044	9	60	.27	14	.01	2	.51	.02	.01	1	.05
R-53-2	1	11	2	32	.2	2	4	841	2.60	31	5	ND	1	435	1	2	2	50	29.19	.045	6	12	1.32	40	.01	4	.15	.01	.01	1	.01
R-53-3	1	8	3	11	.3	2	3	2273	.99	5	5	ND	1	315	1	3	2	18	34.45	.019	15	8	.18	11	.01	2	.15	.01	.01	1	.01
R-53-4	2	18	2	16	.3	8	6	1869	2.59	5	5	ND	1	368	1	3	3	29	23.05	.027	5	31	1.67	60	.01	2	.20	.01	.01	1	.02
R-53-5	1	28	2	24	.2	9	7	980	4.94	7	5	ND	1	440	1	2	2	53	19.55	.057	2	28	4.75	96	.01	13	.23	.01	.02	1	.02
R-53-6	1	25	7	24	.3	6	6	2451	2.28	6	5	ND	1	295	1	2	2	47	25.60	.048	11	19	.87	16	.01	2	.70	.01	.02	1	.01
R-53-10	1	25	5	25	.2	9	6	1310	4.90	4	5	ND	1	358	1	3	2	46	20.59	.062	11	24	2.04	76	.01	3	.34	.01	.01	1	.01
R-53-11	1	83	2	62	.1	13	14	1138	4.89	6	5	ND	1	149	1	2	2	110	11.60	.233	25	13	.15	93	.01	2	.73	.01	.08	1	.01
R-53-12	1	6	2	9	.2	1	2	699	2.32	5	5	ND	1	551	1	3	2	15	27.52	.013	2	11	2.60	39	.01	2	.07	.01	.01	1	.01
R-53-13	1	3	2	6	.3	1	1	837	2.59	4	5	ND	1	510	1	2	2	16	31.64	.009	2	10	2.21	42	.01	2	.06	.01	.01	1	.01
R-53-14	1	9	2	12	.2	5	2	692	2.68	8	5	ND	1	831	1	2	2	18	25.10	.018	3	8	4.12	52	.01	2	.10	.01	.01	1	.01
R-55-1	1	106	9	11	.9	7	9	1434	4.04	14	5	ND	1	124	1	2	2	23	9.23	.098	5	10	3.14	25	.01	9	.23	.01	.12	2	.01
R-55-2	4	22	416	135	1.5	3	2	144	1.62	13	5	ND	1	46	1	3	2	7	.92	.029	2	18	.15	19	.01	10	.15	.01	.08	1	.15
R-55-3	4	72	5112	459	9.1	10	4	64	2.97	17	5	ND	1	31	2	6	2	10	.18	.076	3	12	.03	53	.01	2	.16	.01	.17	1	.28
R-55-4	5	27	42	27	1.4	9	6	173	8.90	94	5	ND	1	6	1	2	3	28	.08	.027	3	28	1.17	9	.01	4	1.18	.01	.10	1	.26
R-55-5	3	14	39	15	.3	10	3	134	2.06	34	5	ND	1	4	1	3	2	16	.06	.021	2	13	.50	23	.01	3	.53	.01	.04	1	.07
R-60-1	1	35	17	53	.2	2	3	1688	2.27	4	5	ND	1	1779	1	2	2	12	28.65	.013	12	23	.11	14	.01	2	.10	.01	.03	1	.01
STD C	19	57	42	134	7.1	65	31	1019	4.28	45	21	8	39	50	19	15	22	61	.51	.096	40	58	.88	181	.07	36	1.95	.06	.13	12	

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Tl PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU** GN/T	
R-60-2	2	48	9	13	.9	4	2	563	2.44	215	5	ND	1	103	1	4	2	11	2.08	.091	7	31	.46	50	.01	6	.37	.01	.20	1	1.35	0.37% <i>corrected</i>
R-60-3	3	35	14	18	.2	7	1	77	1.01	138	5	ND	1	9	1	2	2	4	.06	.022	2	7	.03	13	.01	3	.17	.01	.04	2	.11	
R-60-4	9	63	16	15	.2	34	18	1498	4.13	13	5	ND	1	465	1	2	2	44	14.75	.079	6	36	1.02	15	.01	4	1.27	.01	.08	1	.04	
R-60-5	2	17	5	8	.1	7	3	192	.98	256	6	ND	1	8	1	2	2	12	.16	.031	2	10	.21	9	.02	7	.40	.01	.07	2	.28	
R-60-6	1	26	26	21	.1	9	3	406	1.16	26	5	ND	1	116	1	2	2	8	3.39	.018	3	29	.04	13	.01	3	.11	.01	.04	1	.02	
R-61-1	4	99	21	17	.6	17	13	1984	7.54	64	5	ND	1	242	1	4	2	33	5.91	.099	5	20	1.60	39	.01	5	.43	.01	.16	1	.04	
R-61-2	1	10	4	38	.1	10	6	461	2.46	11	5	ND	1	27	1	2	3	75	.26	.068	2	46	.66	25	.01	5	1.01	.02	.04	2	.11	
AP ZONE T2-1	5	51	13	190	.5	5	1	416	2.19	57	5	ND	3	13	1	11	2	1	.34	.008	16	5	.19	67	.01	2	.38	.01	.18	1	.04	
AP ZONE T2-2	3	5	8	130	.2	2	1	360	2.64	516	5	ND	2	12	1	4	2	1	.43	.008	15	20	.18	45	.01	2	.30	.01	.17	1	5.68	
AP ZONE T2-3	5	9	12	177	.2	4	1	477	3.09	145	5	ND	3	10	1	7	2	1	.32	.007	17	5	.16	49	.01	2	.34	.01	.17	1	.09	
AP ZONE T2-4	5	24	80	88	.6	3	1	325	2.80	633	6	ND	3	9	1	14	2	1	.22	.007	18	17	.15	51	.01	2	.35	.01	.17	1	.19	
AP ZONE T2-5	6	572	30525	1707	179.1	3	1	302	6.83	6748	7	5	2	10	6	243	4	1	.04	.002	4	3	.01	47	.01	5	.16	.01	.11	1	5.28	
AP ZONE T2-6	3	85	29907	13846	50.3	3	1	2402	6.84	13718	6	4	1	46	66	156	3	1	4.45	.004	2	28	1.44	22	.01	2	.09	.01	.06	1	4.42	
AP ZONE T2-7	4	134	15251	542	39.7	6	1	120	4.21	5986	7	2	2	19	2	88	2	1	.03	.006	12	4	.01	86	.01	3	.16	.01	.19	1	1.67	
AP ZONE T2-8	3	12	1823	896	3.5	3	1	265	3.36	2759	7	ND	1	10	4	19	2	1	.31	.007	12	21	.09	46	.01	2	.20	.01	.13	1	.40	
AP ZONE T2-9	3	6	198	34	.9	6	1	80	2.44	495	7	ND	1	12	1	4	2	1	.05	.006	13	6	.02	70	.01	2	.18	.01	.19	5	.20	
AP ZONE T2-10	3	4	37	18	.6	3	1	147	2.89	297	5	ND	2	3	1	2	2	1	.04	.008	19	22	.01	50	.01	2	.26	.01	.18	1	.13	
AP ZONE T2-11	4	16	230	116	1.4	9	1	196	2.11	366	7	ND	2	8	1	7	2	1	.21	.008	18	12	.05	63	.01	3	.22	.01	.16	2	.15	
AP ZONE T2-12	65	56	1515	3703	16.6	2	1	173	3.75	3524	7	ND	1	7	22	44	3	1	.11	.004	8	19	.04	54	.01	4	.14	.01	.12	1	.66	
AP ZONE T2-13	5	18	545	1002	3.3	3	2	206	4.90	6215	7	ND	1	7	6	38	2	1	.29	.017	7	5	.10	32	.01	2	.29	.01	.16	1	1.06	
AP ZONE T2-14	2	9	197	511	1.1	2	1	245	3.09	471	5	ND	1	7	3	4	2	1	.23	.022	7	11	.08	47	.01	2	.31	.01	.18	1	.29	
AP ZONE T2-15	2	24	9707	325	13.0	3	1	53	2.73	2575	6	ND	1	7	1	31	2	1	.02	.015	6	2	.03	120	.01	2	.26	.01	.24	2	.89	
AP ZONE T2-16	4	16	66	436	.5	2	1	754	3.41	261	7	ND	1	8	2	2	2	1	.19	.015	12	13	.11	56	.01	4	.35	.01	.19	1	.12	
AP ZONE T2-17	2	18	150	178	.7	4	4	1163	2.75	69	5	ND	2	8	1	3	2	2	.32	.033	18	3	.13	55	.01	2	.53	.01	.25	1	.04	
STD C	18	60	44	132	6.8	65	31	1008	4.22	44	17	7	38	50	18	14	21	60	.48	.092	40	55	.84	179	.07	33	2.05	.06	.13	12	-	

✓
* ASSAY REQUIRED FOR CORRECT RESULT -

* Subject to re assay check.

AVERAGE T2-5 TO T2-7: 3.79% Au - 89.7% Ag - 2.52% Pb - 0.53% Zn - 0.88% As
1.5.

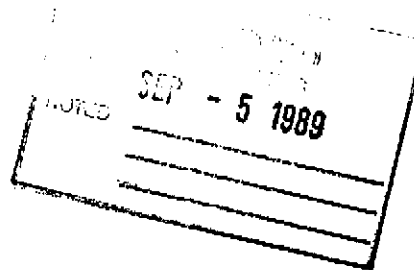
GRANGES EXPLORATION LTD. PROJECT 134 FILE # 89-3079

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	V PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	SD PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Hg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
R-60-2	2	48	9	13	.9	4	2	563	2.44	215	5	ND	1	103	1	4	2	11	2.08	.091	7	31	.48	50	.01	6	.37	.01	.20	1	.37
R-60-3	2	35	14	19	.2	7	1	77	1.01	138	5	ND	1	9	1	2	2	4	.06	.022	2	7	.02	13	.01	3	.17	.01	.04	2	.11
R-60-4	9	63	16	15	.2	24	18	1488	4.12	13	5	ND	1	465	1	2	2	44	14.75	.079	6	36	1.02	15	.01	4	1.27	.01	.08	1	.04
R-60-5	2	17	5	8	.1	7	3	192	.93	256	6	ND	1	8	1	2	2	12	.16	.031	2	10	.21	9	.02	7	.40	.01	.37	1	.28
R-60-6	1	26	26	21	.1	9	3	406	1.16	25	5	ND	1	116	1	2	2	8	1.39	.018	3	39	.04	13	.01	3	.11	.01	.04	1	.02
R-61-1	4	93	21	17	.6	17	13	1984	7.94	64	5	ND	1	242	1	1	2	33	5.91	.099	5	20	1.60	39	.01	5	.41	.01	.16	1	.04
R-61-2	1	10	4	28	.1	10	6	461	2.46	11	5	ND	1	27	1	2	3	75	.26	.068	2	46	.56	25	.01	5	1.01	.02	.04	2	.11
AP ZONE T2-1	5	51	13	190	.5	5	1	415	2.13	57	5	ND	3	13	1	11	2	1	.34	.008	16	5	.19	67	.01	2	.38	.01	.19	1	.04
AP ZONE T2-2	2	5	8	130	.2	2	1	360	2.64	515	5	ND	2	12	1	4	2	1	.43	.008	15	20	.18	45	.01	2	.30	.01	.17	1	5.68
AP ZONE T2-3	5	5	12	177	.2	4	1	477	3.09	345	5	ND	2	10	1	7	2	1	.32	.007	17	5	.16	49	.01	2	.34	.01	.17	1	.09
AP ZONE T2-4	5	24	80	88	.6	3	1	325	2.80	633	5	ND	3	9	1	14	2	1	.22	.007	18	17	.15	51	.01	2	.15	.01	.17	1	.19
AP ZONE T2-5	6	572	30523	1707	179.1	3	1	302	6.33	6748	7	5	2	10	6	243	4	1	.04	.002	4	3	.01	47	.01	5	.16	.01	.11	1	5.28
AP ZONE T2-6	3	85	29907	13946	50.2	2	1	2492	6.84	13718	6	4	1	46	66	156	3	1	4.45	.004	2	28	1.44	22	.01	2	.09	.01	.06	1	4.42
AP ZONE T2-7	4	134	15251	542	39.7	6	1	320	4.21	5986	7	2	2	19	2	88	2	1	.03	.006	12	4	.01	86	.01	3	.16	.01	.19	1	1.67
AP ZONE T2-8	2	12	1823	896	3.5	3	1	255	3.36	2759	7	ND	1	10	4	19	2	1	.21	.007	12	21	.09	46	.01	2	.20	.01	.13	1	.40
AP ZONE T2-9	3	6	193	34	.9	6	1	80	2.44	495	7	ND	1	12	1	4	2	1	.05	.006	13	6	.02	70	.01	2	.18	.01	.19	5	.20
AP ZONE T2-10	3	4	57	16	.6	3	1	147	2.39	297	5	ND	2	3	1	2	2	1	.04	.008	19	22	.01	50	.01	2	.26	.01	.18	1	.12
AP ZONE T2-11	4	16	230	116	1.4	9	1	196	2.11	366	7	ND	2	3	1	7	2	1	.21	.008	18	12	.05	63	.01	3	.22	.01	.16	2	.15
AP ZONE T2-12	65	56	1515	3703	18.5	2	1	172	3.75	3524	7	ND	1	7	22	44	3	1	.11	.004	8	19	.04	54	.01	4	.14	.01	.12	1	.66
AP ZONE T2-13	5	18	545	1002	3.3	2	2	296	4.99	6215	7	ND	1	7	6	18	2	1	.29	.017	7	5	.10	32	.01	2	.29	.01	.15	1	1.06
AP ZONE T2-14	2	9	197	511	1.1	2	1	245	2.09	471	5	ND	1	7	3	4	2	1	.23	.022	7	11	.08	47	.01	2	.31	.01	.18	1	.29
AP ZONE T2-15	2	24	9707	325	13.0	3	1	53	2.72	2575	6	ND	1	7	1	31	2	1	.02	.015	6	2	.03	120	.01	2	.26	.01	.24	2	.89
AP ZONE T2-16	4	16	55	436	.5	2	1	754	3.41	261	7	ND	1	8	2	2	2	1	.19	.015	12	13	.11	56	.01	4	.35	.01	.19	1	.12
AP ZONE T2-17	2	18	150	179	.7	4	4	1163	2.75	69	5	ND	2	8	1	3	2	2	.32	.033	18	3	.13	55	.01	2	.53	.01	.25	1	.04
STD C	18	60	44	132	6.8	65	31	1008	4.22	44	17	7	38	50	18	14	21	60	.48	.092	40	55	.84	179	.07	33	2.05	.06	.13	12	-

* Corrected Au value for sample R-60-2

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Tb PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
R-60-2	2	48	9	13	.9	4	2	563	2.44	215	5	ND	1	103	1	4	2	11	2.08	.091	7	31	.46	50	.01	6	.37	.01	.20	1	.37
R-60-3	3	15	14	13	.2	7	1	77	1.01	138	5	ND	1	9	1	2	2	4	.06	.022	2	7	.03	13	.01	1	.17	.01	.04	2	.11
R-60-4	9	63	16	15	.2	34	18	1388	4.13	13	5	ND	1	465	1	2	2	44	14.75	.079	6	36	1.02	15	.01	4	1.27	.01	.08	1	.04
R-60-5	2	17	5	5	.1	7	3	192	.98	256	5	ND	1	8	1	2	2	12	.16	.031	2	10	.21	9	.02	7	.40	.01	.07	2	.28
R-60-6	1	26	26	21	.1	9	3	405	1.16	24	5	ND	1	116	1	2	2	8	3.39	.018	3	29	.04	13	.01	3	.11	.01	.04	1	.02
R-61-1	4	99	21	17	.6	17	13	1984	7.54	64	5	ND	1	242	1	4	2	33	5.91	.099	5	20	1.60	39	.01	5	.43	.01	.16	1	.04
R-61-2	1	10	4	28	.1	10	6	461	2.46	21	5	ND	1	27	1	2	3	75	.26	.068	2	46	.66	25	.01	5	1.01	.02	.04	2	.11
AP ZONE T2-1	5	51	13	196	.5	5	1	415	2.13	57	5	ND	1	13	1	11	2	1	.34	.008	16	5	.19	57	.01	2	.38	.01	.18	1	.04
AP ZONE T2-2	3	5	8	136	.2	2	1	360	2.54	515	5	ND	2	12	1	4	2	1	.43	.008	15	20	.18	45	.01	2	.20	.01	.17	1	5.68
AP ZONE T2-3	5	9	12	177	.2	4	1	477	3.09	145	5	ND	3	10	1	7	2	1	.32	.007	17	5	.15	49	.01	2	.34	.01	.17	1	.09
AP ZONE T2-4	5	24	90	88	.6	3	1	325	2.80	633	5	ND	3	9	1	14	2	1	.22	.007	18	17	.15	51	.01	2	.35	.01	.17	1	.19
AP ZONE T2-5	6	572	30525	1707	173.1	3	1	302	6.83	6748	7	5	2	10	6	243	4	1	.04	.002	4	3	.01	47	.01	5	.16	.01	.11	1	5.28
AP ZONE T2-6	3	85	29907	13846	50.3	2	1	2402	6.84	13718	6	4	1	46	66	156	3	1	4.45	.005	2	28	1.44	22	.01	2	.09	.01	.06	1	4.42
AP ZONE T2-7	4	134	15251	542	59.7	5	1	120	4.21	5986	7	2	2	19	2	88	2	1	.03	.006	12	4	.01	86	.01	5	.15	.01	.19	1	1.67
AP ZONE T2-8	3	12	1823	896	3.5	3	1	255	3.36	2759	7	ND	1	10	4	18	2	1	.21	.007	12	21	.09	46	.01	2	.20	.01	.13	1	.40
AP ZONE T2-9	3	6	198	34	.9	6	1	80	2.44	495	7	ND	1	12	1	4	2	1	.05	.006	13	5	.02	70	.01	2	.18	.01	.13	5	.20
AP ZONE T2-10	2	4	57	18	.6	3	1	147	2.89	297	5	ND	2	3	1	2	2	1	.04	.008	19	22	.01	50	.01	2	.26	.01	.19	1	.13
AP ZONE T2-11	4	16	230	116	1.4	9	1	196	2.11	356	7	ND	2	3	1	7	2	1	.21	.009	13	12	.05	63	.01	2	.22	.01	.15	2	.15
AP ZONE T2-12	65	56	1515	2702	15.6	2	1	175	3.75	3524	7	ND	1	7	22	44	2	1	.11	.004	6	19	.04	54	.01	4	.14	.01	.12	1	.66
AP ZONE T2-13	5	18	545	1902	3.3	3	2	206	4.90	6215	7	ND	1	7	6	38	2	1	.29	.017	7	5	.10	32	.01	2	.29	.01	.15	1	1.05
AP ZONE T2-14	2	9	197	511	1.1	2	1	285	3.09	471	5	ND	1	7	3	4	2	1	.23	.022	7	11	.08	47	.01	2	.31	.01	.18	1	.29
AP ZONE T2-15	2	24	9707	325	13.0	3	1	53	2.73	2575	6	ND	1	7	1	31	2	1	.02	.015	6	2	.03	120	.01	2	.26	.01	.24	2	.39
AP ZONE T2-16	4	16	56	436	.5	2	1	754	3.41	261	7	ND	1	8	2	2	2	1	.19	.015	12	13	.11	56	.01	4	.35	.01	.19	1	.12
AP ZONE T2-17	2	12	150	178	.7	4	4	1163	2.75	69	5	ND	2	8	1	3	2	2	.32	.032	18	3	.13	55	.01	2	.53	.01	.25	1	.04
STD C	18	50	44	132	5.8	65	31	1908	4.22	44	17	7	38	50	18	14	21	60	.48	.092	40	55	.84	179	.07	33	2.05	.05	.13	12	-

* Corrected Au value for sample R-60-2



GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1-P2 SOIL P3 STREAM SEDIMENT P4-P5 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 28 1989 DATE REPORT MAILED: *Sept 6/89* SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GRANGES EXPLORATION LTD. PROJECT 134-UNUK RIVER File # 89-3261 Page 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	
S-45-4	2	96	17	120	.1	59	27	1737	6.49	75	5	ND	2	35	1	2	2	115	.47	.136	24	84	1.20	132	.04	3	2.04	.02	.10	1	1
S-45-5	1	85	14	103	.1	52	22	1474	6.26	57	5	ND	4	22	1	5	2	93	.26	.093	37	49	1.11	107	.04	4	1.57	.02	.11	1	10
S-47-1	2	33	19	86	.3	9	23	1229	4.61	53	5	ND	2	27	1	2	2	50	.41	.163	26	8	.62	105	.04	5	2.23	.06	.18	1	2
S-47-2	4	30	15	134	.8	9	15	1398	4.24	20	5	ND	1	10	1	2	2	54	.10	.121	19	15	.38	74	.03	8	2.76	.02	.11	1	1
S-47-3	3	46	16	153	.4	40	23	1690	5.34	34	5	ND	2	10	1	2	3	62	.10	.158	17	30	.79	70	.10	2	3.90	.02	.11	1	1
S-47-4	4	22	16	62	2.3	12	11	623	4.73	4	5	ND	2	13	1	2	2	66	.13	.072	11	22	.37	42	.19	2	3.42	.03	.05	2	2
S-47-5	3	14	20	79	.3	2	10	790	3.35	5	5	ND	2	3	1	2	2	29	.02	.123	25	6	.25	88	.01	2	1.89	.01	.11	1	20
S-47-6	6	23	13	95	.1	5	7	802	6.39	10	5	ND	9	2	1	2	2	24	.04	.094	23	12	.11	14	.14	4	5.21	.05	.07	3	1
S-47-7	2	54	15	131	.1	29	21	960	5.73	3	5	ND	2	6	1	2	2	44	.07	.150	22	31	.75	103	.02	3	3.56	.01	.11	1	3
S-47-8	2	47	16	163	.1	66	22	1070	5.06	13	5	ND	5	7	1	2	2	48	.03	.072	27	49	1.28	83	.04	4	3.04	.01	.10	1	290
S-47-9	5	33	13	65	.3	12	9	361	10.01	7	5	ND	5	7	1	2	11	79	.07	.052	25	33	.30	27	.27	2	3.80	.02	.04	2	3
S-47-10	2	34	13	59	.5	8	9	335	6.05	3	5	ND	4	12	1	2	7	90	.12	.076	17	24	.36	51	.22	3	4.78	.03	.05	2	11
S-48-1	15	83	20	323	.7	63	19	668	6.03	26	5	ND	3	28	2	4	2	35	.26	.084	20	8	1.97	273	.02	7	2.81	.01	.07	1	4
S-48-2	41	15910	272	5522	17.6	79	38	478	13.98	214	5	ND	2	36	17	30	19	75	1.09	.084	8	23	.76	49	.01	3	1.30	.01	.06	1	510
S-48-3	37	219	15	1178	2.3	163	34	1785	8.24	50	5	ND	4	41	21	15	9	94	.43	.174	23	18	.67	211	.02	4	2.28	.01	.09	1	14
S-48-4	11	113	7	474	.2	49	34	3748	11.37	17	5	ND	2	43	3	2	8	62	.75	.240	20	8	.59	182	.02	2	2.04	.01	.06	1	4
S-48-5	20	109	10	639	.8	91	30	2252	9.02	22	5	ND	3	49	9	6	9	73	1.20	.284	26	9	.54	202	.01	3	2.50	.01	.12	1	10
S-48-6	43	275	21	1512	.8	270	85	11219	10.71	53	5	ND	3	36	65	7	2	100	.26	.263	31	3	.36	272	.01	2	2.56	.01	.09	1	6
S-48-7	116	736	39	1962	4.6	261	92	4842	7.74	135	7	ND	8	156	58	23	7	184	.33	.468	40	24	.05	297	.01	3	1.98	.01	.12	1	10
S-48-8	42	415	8	379	2.1	17	12	58	35.12	15	7	ND	5	13	4	15	2	56	.05	.053	10	19	.03	28	.01	4	2.68	.01	.02	1	6
S-48-9	123	382	17	2860	5.1	193	8	138	4.77	121	5	ND	3	36	40	90	2	301	.37	.181	24	61	.24	145	.01	11	.88	.01	.10	1	7
S-48-10	12	65	8	124	5.6	33	8	356	2.35	21	5	ND	1	18	1	10	2	33	.09	.088	10	14	.29	89	.03	3	1.71	.01	.06	2	10
S-49-1	2	133	19	168	.3	36	23	1421	5.32	12	5	ND	4	18	1	2	2	39	.34	.072	30	19	1.92	155	.02	2	2.93	.01	.07	1	12
S-49-2	6	151	17	294	.6	45	23	1188	5.60	19	5	ND	3	21	1	4	3	48	.35	.088	22	22	1.77	180	.02	5	2.61	.01	.06	1	13
S-49-3	2	142	24	164	.1	34	25	1732	5.31	12	5	ND	4	19	1	2	8	37	.32	.090	37	17	1.91	172	.02	4	2.86	.01	.07	1	1
S-49-4	3	123	20	199	.5	45	20	1220	5.20	16	5	ND	3	18	1	3	2	45	.29	.071	21	18	1.50	126	.03	2	2.37	.01	.06	1	1
S-49-5	7	132	19	187	.5	41	24	1530	5.49	13	5	ND	3	18	1	2	3	54	.27	.083	23	21	1.71	171	.03	4	2.81	.01	.06	1	11
S-49-6	4	120	17	184	.3	43	20	1371	5.40	14	5	ND	3	14	1	2	2	39	.25	.061	22	19	1.57	133	.02	4	2.56	.01	.06	1	11
S-49-7	5	157	20	185	.4	44	27	1525	5.55	17	5	ND	4	13	1	4	2	40	.25	.062	35	19	1.64	138	.03	6	2.71	.02	.07	1	12
S-49-8	2	142	22	156	.3	38	27	1582	5.17	13	5	ND	5	13	1	2	2	34	.25	.068	36	15	1.75	123	.04	5	2.87	.03	.06	1	8
S-70-1	1	12	4	17	.3	5	5	88	1.37	2	9	ND	1	25	1	2	3	23	.19	.080	3	3	.29	105	.14	5	.83	.05	.04	1	1
S-70-2	2	17	5	29	.5	8	9	137	2.63	6	5	ND	1	56	1	2	9	42	.50	.098	5	7	.44	36	.29	2	1.16	.08	.06	2	1
S-70-3	2	15	7	27	.4	8	6	129	2.52	7	6	ND	1	39	1	2	7	43	.33	.123	6	11	.20	104	.21	2	1.11	.06	.05	1	1
S-70-4	1	10	5	23	.3	4	4	129	1.07	2	7	ND	1	36	1	2	2	19	.40	.064	2	2	.23	19	.11	2	.55	.04	.04	1	1
S-70-5	33	43	20	158	4.3	21	5	124	5.66	26	7	ND	2	13	1	8	2	74	.10	.165	6	12	.16	43	.11	9	2.08	.01	.03	2	2
S-80-1	1	141	27	161	.4	29	27	1395	7.02	7	5	ND	4	97	1	2	2	190	1.56	.192	21	45	2.04	52	.33	4	3.64	.15	.46	1	5
STD C/AU-5	18	61	38	131	7.1	68	31	962	4.03	35	19	7	38	48	18	19	20	58	.49	.068	38	52	.89	172	.07	33	1.97	.05	.14	12	47

1 KM. NORTH of road 1 & 2

X X X

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Hg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPM
S-80-2	1	115	20	142	.1	17	21	1159	6.25	11	5	ND	3	57	1	2	2	173	.94	.187	25	21	1.60	69	.35	5	3.69	.06	.42	1	8
S-90-3	1	164	3	116	.1	26	28	1088	6.77	11	5	ND	1	78	1	1	2	167	1.47	.280	17	52	2.28	69	.35	4	4.66	.25	.74	1	7
S-80-4	1	80	12	119	.1	94	24	825	5.51	10	5	ND	2	32	1	2	2	133	.55	.124	10	143	2.37	30	.31	6	3.13	.07	.39	1	6

GRANGES EXPLORATION LTD. PROJECT 134-UNUK RIVER FILE # 89-3261

SAMPLE#	Mn	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Pb	Sc	Cd	Sb	Bi	V	Ca	P	Ba	Cr	Mg	Zn	Ti	B	Al	Na	K	V	As*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	PPM	PPM	PPM	
SS-47-1	7	59	17	550	.3	56	19	1176	5.33	22	5	ND	1	41	7	2	2	43	.44	.115	16	19	.52	149	.03	2	1.87	.04	.10	1	4
SS-47-2	14	68	20	414	.4	43	20	1227	5.93	33	5	ND	1	23	4	2	3	41	.31	.114	13	15	.47	155	.02	3	1.60	.03	.10	1	4
SS-47-3	5	54	22	254	.3	45	19	1572	5.25	21	5	ND	1	42	3	2	2	34	.51	.151	20	14	.55	176	.03	4	1.72	.04	.10	1	5
SS-47-4	6	57	28	198	.5	35	16	1111	5.00	36	5	ND	1	27	1	2	2	34	.30	.139	13	16	.44	141	.02	4	1.59	.01	.12	1	7
UNUK-SS-49-1	5	134	17	170	.1	40	22	1278	5.37	13	5	ND	2	20	1	2	5	40	.35	.074	25	18	1.95	118	.01	2	2.67	.01	.04	1	34
SS-49-2	11	159	19	200	.1	53	25	1291	5.85	16	5	ND	1	24	1	2	2	52	.43	.089	22	21	1.83	134	.02	3	2.65	.01	.03	1	31
SS-49-3	4	111	12	163	.1	42	20	1263	5.25	14	5	ND	3	21	1	2	2	45	.33	.083	20	20	1.73	141	.02	5	2.52	.01	.04	1	21
SS-49-4	1	153	22	159	.1	36	27	1850	5.30	12	5	ND	3	18	1	2	2	36	.33	.078	34	16	1.86	173	.01	4	2.80	.01	.06	1	14
SS-49-5	7	93	12	157	.1	39	17	959	4.63	8	5	ND	1	22	1	2	4	55	.45	.095	15	21	1.52	110	.06	9	2.18	.01	.03	1	12
SS-49-6	26	139	19	226	.4	53	20	1147	5.39	27	5	ND	3	26	2	4	9	56	.33	.094	19	21	1.45	102	.02	2	2.29	.01	.03	1	13
SS-49-7	28	139	21	245	.4	54	20	1153	5.41	29	5	ND	3	25	2	2	2	59	.32	.093	19	21	1.43	101	.03	7	2.20	.01	.03	1	15
SS-49-8	5	116	13	191	.1	43	20	1213	5.39	14	5	ND	3	17	1	2	2	39	.30	.066	20	17	1.50	84	.03	4	2.43	.02	.03	1	14
SS-49-9	5	126	15	167	.1	45	22	1314	5.45	14	5	ND	2	17	1	2	2	37	.29	.066	22	17	1.57	94	.03	2	2.41	.01	.03	1	13
SS-49-10	2	108	15	136	.1	33	22	1427	5.17	9	5	ND	2	25	1	2	2	39	.37	.060	24	15	1.73	93	.07	2	2.78	.06	.05	1	9
SS-49-11	3	164	24	174	.1	41	30	1574	5.52	13	5	ND	4	15	1	2	2	36	.25	.061	34	17	1.72	122	.03	5	2.85	.02	.05	1	12
SS-56-1	9	87	93	314	11.8	104	22	2820	6.30	146	5	ND	1	55	3	46	2	22	.69	.093	9	10	.27	196	.01	6	.63	.01	.10	1	3
SS-70-1	5	66	17	130	.2	18	15	1153	5.62	53	5	ND	3	56	.1	3	3	76	.63	.132	15	15	1.10	140	.08	8	2.02	.03	.11	1	4
SS-70-2	3	68	15	119	.1	18	15	1053	5.08	34	5	ND	2	59	1	3	2	84	.63	.134	14	17	1.13	113	.09	5	2.06	.03	.10	1	4
SS-80-1	1	69	12	54	.1	22	11	505	3.14	7	5	ND	1	142	1	2	2	86	3.07	.162	12	32	1.17	44	.14	6	1.40	.05	.20	1	7
SS-80-2	1	69	9	63	.2	27	10	504	3.13	4	5	ND	2	156	1	2	2	84	3.38	.168	13	38	1.13	45	.15	4	1.52	.07	.19	1	5
SS-80-3	1	80	8	71	.2	32	12	559	3.32	4	5	ND	1	152	1	3	2	88	3.49	.170	14	45	1.35	56	.15	12	1.65	.07	.15	1	4
SS-80-4	1	33	10	77	.1	30	12	545	3.43	5	5	ND	2	110	1	2	2	92	2.36	.211	16	41	1.33	55	.19	9	1.71	.09	.18	1	7
SS-80-5	2	101	14	114	.3	31	15	681	4.27	6	5	ND	3	64	1	2	2	99	1.14	.210	19	31	1.35	99	.16	9	1.94	.10	.22	1	4
SS-80-6	1	102	12	92	.2	34	11	736	4.53	3	5	ND	4	87	1	2	2	140	1.40	.269	19	49	1.79	78	.24	8	2.49	.13	.36	1	3
SS-80-7	1	107	11	94	.1	35	17	730	4.63	5	5	ND	3	94	1	2	2	142	1.47	.287	19	49	1.78	75	.23	6	2.48	.19	.36	1	3
SS-80-8	1	109	11	102	.2	40	17	756	4.76	5	5	ND	1	87	1	1	2	150	1.51	.280	19	59	1.39	49	.36	10	2.56	.16	.34	1	11
SS-80-9	1	127	13	110	.2	38	21	894	5.67	6	5	ND	4	99	1	2	2	182	1.76	.301	19	59	2.05	58	.29	9	3.54	.30	.55	1	3
SS-80-10	1	108	14	93	.5	28	19	763	4.99	6	18	ND	5	109	1	3	2	149	1.72	.294	20	52	1.92	60	.30	8	2.78	.25	.48	1	6
SS-80-11	1	90	8	78	.1	31	15	612	3.95	2	5	ND	3	78	1	2	2	123	1.36	.242	17	44	1.53	107	.21	9	2.16	.16	.24	1	2
STD C/AU-5	18	61	15	132	6.7	67	31	965	4.10	40	22	8	40	49	18	15	18	59	.50	.091	39	52	.90	177	.07	17	2.00	.06	.14	12	48

1 km
down
well

200 mg/l

200 mg/l

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Si	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Ka	K	W	Ad**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	GM/T
AP ZONE TRENCH 3-1	7	58	489	100	1.9	5	2	57	2.48	84	5	ND	3	4	1	68	2	1	.01	.007	11	8	.01	42	.01	2	.22	.01	.19	1	.04
AP ZONE TRENCH 3-2	4	259	9149	3955	9.9	2	3	20	5.91	301	5	ND	1	5	14	22	2	1	.01	.002	7	21	.01	11	.01	4	.18	.01	.14	1	.11
AP ZONE TRENCH 3-3	3	47	325	58	1.8	3	2	15	3.08	127	5	ND	1	2	1	35	2	1	.01	.001	8	5	.01	24	.01	4	.19	.01	.14	1	.03
AP ZONE TRENCH 3-4	3	28	537	118	1.4	2	1	18	1.59	123	5	ND	1	2	1	14	2	1	.01	.002	9	24	.01	74	.01	4	.19	.01	.18	1	.03
AP ZONE TRENCH 3-5	6	56	1097	156	3.0	5	2	23	4.07	208	5	ND	2	2	1	29	2	1	.01	.005	7	5	.01	25	.01	2	.17	.01	.23	1	.05
AP ZONE TRENCH 3-6	4	28	890	18	4.0	3	1	23	1.87	70	5	ND	2	2	1	19	2	1	.01	.001	11	23	.01	54	.01	3	.19	.01	.21	1	.14
AP ZONE TRENCH 3-7	3	46	139	59	.9	3	2	20	2.92	116	5	ND	3	2	1	19	2	1	.01	.005	12	4	.01	37	.01	4	.22	.01	.19	1	.03
AP ZONE TRENCH 3-8	4	46	894	80	2.2	2	2	14	2.95	93	5	ND	3	2	1	20	2	1	.01	.002	10	15	.01	27	.01	2	.24	.01	.20	1	.02
AP ZONE TRENCH 3-9	3	26	3275	122	3.8	2	1	12	1.72	107	5	ND	2	2	1	12	2	1	.01	.006	10	4	.01	62	.01	3	.23	.01	.21	1	.06
AP ZONE TRENCH 3-10	2	1657	11246	16135	49.1	1	4	2858	9.19	158	5	ND	1	42	72	97	2	1	3.49	.001	6	15	1.32	23	.01	3	.11	.01	.08	1	.19
AP ZONE TRENCH 3-11	3	333	5298	3502	12.9	2	2	3231	3.39	19	5	ND	1	23	23	22	2	1	3.73	.006	8	3	1.69	47	.01	2	.25	.01	.14	1	.03
AP ZONE TRENCH 3-12	5	50	190	452	1.1	2	2	629	2.49	51	5	ND	3	10	2	14	2	1	.95	.006	9	20	.30	45	.01	11	.26	.01	.19	1	.01
AP ZONE TRENCH 3-13	3	37	75	194	.6	4	2	661	2.48	84	5	ND	2	10	1	8	2	1	1.08	.006	8	7	.36	39	.01	2	.25	.01	.20	1	.01
AP ZONE TRENCH 3-14	3	33	37	321	.8	3	2	675	2.01	123	5	ND	2	11	1	10	2	1	1.00	.006	8	17	.35	32	.01	2	.25	.01	.20	1	.06
AP ZONE TRENCH 3-15	5	57	800	1859	1.6	3	1	1324	2.72	87	5	ND	1	31	7	13	2	1	3.18	.004	5	4	1.11	33	.01	2	.15	.01	.13	1	.04
R-8-10	22	22	115	67	6.5	1	4	120	8.43	129	5	ND	2	2	1	5	2	6	.03	.009	9	13	1.34	13	.01	8	1.35	.01	.14	1	.04
R-8-11	8	19	53	45	13.0	3	3	29	3.26	895	5	ND	3	2	1	17	2	1	.03	.005	14	4	.03	36	.01	5	.17	.01	.12	2	.27
R-40-12	3	920	11221	6624	41.1	3	26	3167	18.02	357	5	ND	1	89	22	18	2	137	1.19	.157	5	4	1.91	9	.01	14	3.10	.01	.03	1	.33
R-40-13	5	66	5337	3504	4.9	4	3	630	3.17	72	5	ND	1	12	14	2	2	2	.36	.009	6	6	.43	35	.01	5	.47	.01	.05	1	.09
R-40-14	8	27	1056	326	1.0	3	1	197	2.10	126	5	ND	4	4	1	3	2	1	.02	.008	11	5	.24	62	.01	2	.39	.02	.09	1	.05
R-40-15	2	20	32	135	.1	1	25	1353	9.27	31	5	ND	1	50	1	2	2	181	2.90	.117	11	2	1.79	42	.01	9	3.67	.02	.06	1	.01
R-40-16	5	29	78	238	6.9	6	11	397	5.59	167	6	ND	2	6	1	7	2	8	.19	.059	5	3	.15	23	.01	2	.60	.01	.22	1	.27
R-40-17	6	56	7210	667	2.9	6	2	118	3.25	17	5	ND	1	8	3	2	2	6	.11	.006	8	6	.10	36	.01	2	.24	.02	.09	1	.03
R-40-18	1	6862	11122	20594	93.4	3	3	1326	8.26	214	5	ND	1	24	94	115	2	1	2.22	.001	5	4	.85	20	.01	8	.11	.01	.05	1	.11
R-40-19	2	26	84	170	1.2	1	3	5882	5.93	90	5	ND	1	92	1	40	2	1	11.96	.003	4	1	4.63	20	.01	2	.08	.01	.06	1	.01
R-47-1	1	37	103	103	.2	5	13	1366	4.24	3	5	ND	1	174	1	2	2	37	6.90	.093	16	3	2.04	203	.01	10	1.51	.02	.20	1	.01
R-48-1	3	4379	16	406	1.0	68	5	942	2.88	5	5	ND	1	199	5	2	2	27	4.48	.055	6	28	.93	69	.01	3	2.24	.01	.02	1	.02
R-48-2	13	438	29	404	.1	54	10	738	2.96	9	5	ND	1	617	4	2	2	21	5.11	.054	7	9	1.14	72	.01	2	1.48	.01	.05	1	.01
R-48-3	35	76	7	30	.2	8	2	45	3.79	35	5	ND	2	28	1	2	2	85	.22	.392	8	11	.03	80	.01	2	.23	.01	.03	1	.01
R-48-4	217	1340	59	3276	.1	600	160	13675	26.23	179	5	ND	4	14	234	65	2	283	.26	1.704	37	60	.02	161	.01	5	3.62	.01	.02	1	.01
R-48-5	7	96	10	644	.1	47	18	718	7.47	2	5	ND	3	146	17	2	2	102	1.43	.215	27	9	2.25	87	.01	4	2.81	.02	.10	1	.01
R-48-5(A)	129	229	22	181	1.9	19	12	185	31.35	79	5	ND	5	3	4	49	2	181	.02	.670	2	57	.01	31	.01	2	.81	.01	.03	2	.02
R-49-1	4	44	30	53	.1	9	5	3538	4.01	2	5	ND	1	1060	1	2	2	14	13.93	.015	6	7	1.63	82	.01	2	1.33	.01	.03	1	.01
R-49-2	14	58	13	65	.4	16	8	1103	4.14	15	5	ND	1	523	1	5	2	25	10.93	.098	6	12	.52	145	.01	5	.91	.01	.05	1	.01
R-49-3	2	13	9	32	.4	17	3	126	1.03	5	5	ND	1	19	1	2	2	7	.20	.023	3	7	.59	261	.01	2	.66	.01	.05	1	.01
R-49-4	3	18	9	21	.5	16	4	138	.69	4	5	ND	2	5	1	2	2	5	.05	.005	2	9	.24	80	.01	7	.29	.01	.02	1	.01
STD C	18	64	38	131	6.5	73	31	969	4.06	40	18	7	39	49	18	18	18	59	.49	.089	39	53	.88	179	.07	32	1.98	.06	.13	12	-

AP Zone

- ASSAY REQUIRED FOR CORRECT RESULT -

GRANGES EXPLORATION LTD. PROJECT 134-UNUK RIVER FILE # 89-3261

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Ct	Mg	Ba	Tl	B	Al	Na	K	W	Au**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
R-49-5	3	30	32	34	.1	29	4	168	.58	7	5	ND	1	4	1	6	2	1	.09	.008	3	6	.01	50	.01	5	.07	.01	.03	6	.01
R-56-1	8	53	60	103	8.1	62	23	262	15.08	711	8	ND	1	21	1	48	2	11	.48	.096	2	4	.09	5	.01	10	.40	.01	.23	1	.02
R-56-2	6	73	1357	235	7.3	31	6	344	6.64	285	9	ND	1	22	1	59	2	22	.49	.081	2	16	.10	87	.01	8	.35	.01	.12	1	.01
R-56-4	12	5	10	19	.1	6	3	1452	1.74	5	5	ND	1	326	1	2	3	2	31.07	.010	5	2	.19	62	.01	2	.07	.01	.04	2	.03
R-80-1	1	105	14	63	.2	23	17	664	5.35	2	5	ND	1	65	1	3	2	132	1.81	.183	6	43	1.61	63	.16	5	2.27	.03	.37	1	.02
R-80-2	1	89	14	62	.1	33	18	846	4.97	15	5	ND	1	454	1	41	2	98	7.49	.168	9	45	2.21	69	.01	3	.77	.01	.16	1	.01
R-80-3	1	75	63	71	.6	16	13	993	4.36	55	5	ND	1	190	1	3	2	124	8.76	.102	14	30	1.25	31	.01	2	1.41	.02	.05	1	.05
R-80-4	1	22	4	42	.1	85	19	528	4.74	2	5	ND	1	95	1	2	2	135	2.32	.108	5	150	2.28	52	.24	8	2.72	.02	.08	1	.02
R-80-5	1	74	11	18	.3	7	5	1133	2.90	9	5	ND	1	222	1	2	2	68	12.02	.050	15	12	1.04	46	.01	2	.41	.01	.01	2	.02
R-80-6	1	58	18	113	.4	30	10	493	4.11	12	5	ND	1	61	1	2	2	79	2.30	.107	17	30	.93	37	.01	4	1.35	.02	.16	1	.01
R-80-7	1	105	21	65	.5	44	15	541	5.44	6	5	ND	1	251	1	2	2	191	4.35	.178	6	119	2.41	32	.01	4	2.47	.01	.06	1	.01
R-80-8	1	95	13	65	.1	13	13	613	4.41	9	5	ND	1	84	1	2	2	138	2.22	.192	17	35	1.68	74	.22	5	2.29	.17	1.16	1	.02
R-80-9	1	2225	39	132	1.0	53	27	363	2.86	3	5	ND	1	62	1	2	2	119	1.91	.138	7	44	1.60	26	.15	6	1.53	.04	.07	1	.02
STD C	18	58	42	133	7.0	73	31	1031	4.36	42	18	7	38	59	19	15	21	61	.50	.096	40	58	.89	182	.07	36	2.05	.06	.13	13	.

x x x

NOT IN PLACED MAP

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - 500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR NH FE SR CA P LA CR NG BA-TI B, W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 1 PPM.

- SAMPLE TYPE: P1-P4 SOIL P5 (S/LT) P6-P11 ROCK

AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. P - pulverized (soil - 30 mesh/silt - 40 mesh)

DATE RECEIVED: SEP 1 1989

DATE REPORT MAILED: *Sept 11, 1989*SIGNED BY: *[Signature]*

D. TOYE, C. LIONG, J. WANG; CERTIFIED B.C. ASSAYERS

Granges Exploration Ltd PROJECT 134 File # 89-3395 Page 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Tl	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	
S-58-1 P	2	90	53	255	.1	17	25	1544	6.73	92	5	ND	1	15	1	4	2	103	.39	.093	7	21	2.18	71	.15	11	3.36	.03	.10	4	6
S-58-2	4	222	144	539	.1	29	48	3194	9.39	294	5	ND	1	10	3	18	2	80	.19	.133	10	22	1.96	70	.07	2	3.08	.01	.06	1	12
S-58-3	3	446	149	485	.6	42	72	3853	12.24	298	5	ND	2	12	2	16	3	80	.27	.135	10	12	1.99	122	.10	3	3.37	.01	.04	1	28
S-58-4	3	151	209	739	.6	20	33	2775	8.27	177	5	ND	1	15	5	12	2	56	.39	.123	10	11	1.44	138	.03	2	2.12	.01	.05	1	176
S-58-5	4	167	117	523	.3	29	38	2710	8.84	321	5	ND	1	13	3	18	13	68	.37	.126	8	23	1.94	84	.03	2	2.73	.01	.05	1	21
S-58-6 P	1	92	74	388	.1	15	29	2013	7.42	83	5	ND	1	15	2	9	2	62	.35	.119	8	19	.89	137	.02	2	1.79	.01	.13	1	6
S-58-7 P	1	146	54	258	.1	18	34	2036	7.42	85	5	ND	1	16	2	4	2	116	.45	.096	7	17	2.26	126	.11	3	3.55	.02	.13	1	4
S-58-8	5	250	24	169	.1	24	53	3126	11.32	307	5	ND	1	15	1	3	2	112	.48	.134	6	9	1.91	46	.13	10	2.57	.01	.05	1	7
S-58-9 P	2	163	53	327	.1	20	25	1942	7.58	127	5	ND	1	23	2	2	2	86	.67	.111	6	15	2.08	153	.09	2	2.95	.01	.14	1	6
S-58-10	4	199	16	120	.1	21	42	1856	10.18	173	5	ND	1	23	1	3	2	103	.72	.141	8	15	2.28	66	.13	6	2.95	.01	.06	1	12
S-58-11 P	1	104	23	204	.1	15	25	1261	8.46	46	5	ND	1	29	1	2	2	125	.77	.076	6	26	2.11	55	.21	4	3.69	.05	.08	1	17
S-62-1	1	257	121	351	.2	46	51	5454	9.55	98	5	ND	1	20	3	2	2	163	.47	.109	8	62	2.75	51	.13	4	4.49	.01	.06	1	42
S-62-2	1	257	65	210	.3	36	48	3076	9.32	31	5	ND	1	16	2	4	10	196	.40	.140	10	44	2.42	57	.20	6	4.61	.01	.07	1	13
S-62-3	1	209	47	184	.2	30	39	2019	3.58	64	5	ND	1	24	1	5	3	174	.68	.125	10	47	2.35	68	.19	2	3.81	.01	.07	1	9
S-62-4	1	235	50	215	.2	31	44	2592	8.84	95	5	ND	1	19	1	11	11	166	.54	.144	8	45	2.52	68	.16	2	3.94	.01	.07	1	11
S-62-5	1	146	24	145	.2	15	34	1426	8.12	197	5	ND	1	30	1	5	2	108	.77	.129	8	17	2.23	51	.19	2	2.83	.05	.06	1	33
S-62-6	1	195	35	177	.3	28	32	1491	7.30	75	5	ND	2	21	1	2	2	131	.52	.121	10	51	2.49	44	.18	17	3.59	.03	.07	1	32
S-62-7	2	187	64	326	.2	23	40	1940	8.98	215	5	ND	1	19	2	5	3	81	.46	.121	8	17	1.98	77	.10	2	2.63	.02	.04	1	51
S-64-1	1	8	21	21	.1	4	4	105	1.67	4	5	ND	2	9	2	2	2	156	.12	.022	5	13	.10	31	.84	16	.42	.01	.02	1	16
S-64-2	6	23	5	63	.1	7	6	106	6.03	11	5	ND	2	10	1	2	2	236	.07	.019	9	26	.13	54	.35	2	1.41	.01	.03	1	4
S-64-3	1	5	11	13	.1	3	3	84	.87	2	5	ND	1	10	1	2	2	57	.15	.046	4	13	.11	11	.57	7	.39	.02	.03	1	19
S-64-4	3	24	7	41	.9	5	5	160	2.99	12	5	ND	1	14	1	2	2	81	.23	.049	8	11	.18	53	.06	3	1.59	.02	.05	2	3
S-64-5	2	30	3	44	.1	7	28	2015	9.69	22	5	ND	1	24	1	2	11	136	.75	.097	9	19	.38	52	.19	3	2.33	.03	.03	2	3
S-64-6	6	17	21	37	1.5	5	6	253	4.19	81	5	ND	2	16	1	2	2	158	.13	.039	7	11	.21	98	.54	4	.92	.03	.04	1	45
S-64-7	2	17	9	36	.2	4	9	275	10.50	8	5	ND	3	20	3	2	2	231	.18	.041	5	21	.27	24	1.22	2	1.92	.04	.04	1	3
S-64-8	3	19	11	204	6.0	24	46	1891	10.98	52	5	ND	3	15	2	2	3	163	.18	.125	9	44	.71	40	.42	2	5.72	.05	.04	1	11
S-64-9	2	28	9	124	1.5	17	16	534	7.30	20	5	ND	1	52	1	2	3	119	.55	.059	8	28	.90	83	.39	2	3.57	.15	.10	1	2
S-64-10	4	12	11	40	.2	4	3	69	2.06	8	5	ND	2	10	1	2	2	121	.07	.014	11	11	.09	30	.28	6	.86	.01	.03	1	1
S-65-1 P	5	22	24	141	.8	3	17	755	8.53	24	5	ND	2	7	1	2	2	98	.07	.050	18	8	1.34	77	.07	2	3.88	.01	.05	1	2
S-65-2	5	19	17	167	1.0	4	19	673	11.77	23	5	ND	3	10	1	2	2	63	.05	.160	9	34	.26	34	.09	2	7.55	.01	.01	1	1
S-65-3	7	35	15	89	.8	4	13	417	15.13	27	5	ND	3	12	1	5	12	97	.07	.058	5	25	.35	38	.14	2	3.27	.01	.02	1	2
S-65-4	6	59	16	280	1.0	2	23	1190	19.26	16	5	ND	3	6	1	2	3	86	.03	.083	8	8	.27	24	.14	2	3.83	.01	.01	1	1
S-65-5	11	35	70	160	.7	9	19	1356	10.70	110	5	ND	1	36	1	4	3	46	1.21	.180	25	8	.87	45	.07	12	2.92	.06	.05	1	1
S-65-6	52	38	26	162	.7	15	14	1671	7.19	41	5	ND	1	7	1	2	2	63	.09	.257	7	16	.45	46	.11	2	2.39	.01	.04	1	5
S-65-7	6	52	34	88	1.7	19	13	718	7.89	49	5	ND	1	8	1	3	2	75	.05	.102	13	31	.37	48	.04	2	3.91	.01	.05	1	9
S-65-8	4	123	14	339	2.5	65	23	1760	6.40	459	5	ND	1	49	2	3	2	39	.60	.120	30	31	.75	104	.05	5	1.26	.02	.05	1	9
S-65-9 P	5	90	27	123	1.5	16	12	448	9.08	36	5	ND	2	40	1	2	2	64	.59	.078	25	36	.23	88	.29	12	2.53	.03	.06	1	7
STD C/AU-5	18	62	43	131	6.6	71	31	1914	4.95	41	22	8	37	47	18	15	22	58	.51	.088	38	52	.95	173	.07	34	2.03	.06	.14	12	51

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Tb PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	V PPM	Au# PPM
S-65-10	6	98	37	158	3.2	17	16	495	10.20	241	5	ND	3	11	1	3	3	52	.03	.116	13	21	.16	66	.05	2	3.98	.01	.04	1	8
S-65-11	2	52	11	82	.4	7	6	107	3.05	33	5	ND	1	5	1	2	2	81	.02	.033	8	14	.28	74	.01	5	2.26	.01	.06	1	3
S-65-12	4	34	17	57	.9	7	9	273	6.86	46	5	ND	2	11	1	2	2	91	.15	.085	9	20	.21	38	.09	2	3.31	.02	.03	2	4
S-65-13	6	41	3	72	.3	8	7	74	3.79	59	5	ND	1	5	1	2	2	97	.04	.056	13	11	.10	35	.05	2	1.16	.01	.05	1	5
S-65-14	3	49	10	82	.7	5	7	97	6.46	62	5	ND	1	15	1	2	2	84	.06	.045	10	13	.13	51	.09	2	1.36	.01	.04	1	10
S-65-15	5	21	24	79	1.5	4	7	318	9.40	25	5	ND	6	9	1	2	2	43	.06	.059	23	13	.09	25	.23	2	1.38	.03	.05	2	2
S-65-16	2	55	15	54	2.3	9	6	227	5.56	48	5	ND	1	15	1	2	2	69	.04	.272	9	15	.22	52	.03	3	1.87	.01	.03	1	3
S-65-17	3	144	11	103	.4	6	20	800	15.04	21	5	ND	2	5	1	2	4	98	.05	.146	5	31	.27	81	.03	2	2.05	.01	.02	1	4
S-66-1	2	83	20	123	.3	55	26	1565	5.96	21	5	ND	2	15	1	2	2	120	.23	.153	21	62	1.59	80	.09	9	2.69	.01	.06	1	5
S-66-2	3	111	44	141	.4	100	52	3873	7.19	34	5	ND	2	27	1	5	2	67	.36	.102	19	42	1.07	463	.02	4	1.55	.01	.13	1	3
S-66-3	5	141	36	132	.3	83	49	1350	6.64	35	5	ND	2	45	1	5	4	77	.42	.137	17	50	.88	142	.01	13	2.29	.01	.13	1	1
S-66-4	5	95	21	119	.3	79	34	1288	6.23	19	5	ND	2	52	1	2	3	64	.63	.117	20	35	1.11	341	.12	11	2.02	.08	.10	1	3
S-66-5	3	93	34	124	.4	67	37	1964	7.32	43	5	ND	2	81	1	6	2	53	.65	.137	25	29	.93	307	.01	2	1.87	.01	.11	1	3
S-66-6	2	93	22	135	.4	69	29	1344	5.99	21	6	ND	3	54	1	4	6	49	.63	.165	23	27	.34	205	.01	6	1.03	.01	.14	1	1
S-66-7	3	108	31	155	.4	62	33	2346	6.73	24	5	ND	3	54	1	4	3	73	.63	.136	29	30	.95	324	.01	6	2.14	.01	.14	1	4
S-66-8	1	90	17	127	.1	90	25	848	5.38	50	5	ND	1	64	1	2	2	44	.79	.122	18	20	.30	277	.01	19	.98	.01	.22	1	1
S-66-9	2	97	28	164	.1	48	33	5394	8.78	110	5	ND	2	49	1	2	2	97	.60	.140	45	46	.71	193	.02	2	1.55	.01	.10	1	3
S-66-10	1	86	14	144	.1	68	28	2431	7.13	44	5	ND	3	37	1	2	2	145	.63	.129	34	129	1.74	118	.11	12	2.68	.01	.06	1	3
S-66-11	2	119	14	159	.4	160	52	1299	8.24	98	5	ND	1	78	1	2	2	135	1.99	.114	16	150	1.94	122	.03	2	2.30	.03	.06	1	3
S-66-12	2	59	15	125	.2	49	20	963	5.12	157	5	ND	1	20	1	2	2	60	.51	.106	18	46	.95	75	.01	16	1.50	.01	.10	1	4
S-66-13	2	107	21	137	.2	42	24	1445	7.38	68	5	ND	1	17	1	2	2	76	.33	.122	19	20	.54	93	.01	9	1.19	.01	.05	1	4
S-67-1	3	68	21	148	.4	77	21	390	4.20	14	5	ND	1	13	1	2	3	41	.05	.106	9	49	.73	78	.01	6	2.31	.01	.07	1	1
S-67-2	2	47	20	142	.3	76	23	753	4.10	14	5	ND	1	11	1	2	2	38	.05	.100	7	49	.73	86	.01	2	2.40	.01	.07	1	3
S-67-3	2	41	16	147	.2	73	22	1320	4.82	21	5	ND	1	12	1	2	2	37	.08	.091	6	39	.50	140	.01	3	2.28	.01	.08	1	2
S-67-4	2	59	26	152	.1	108	24	1015	5.04	35	5	ND	1	13	1	2	2	34	.06	.065	5	41	.71	70	.01	6	1.72	.01	.05	1	2
S-67-5	2	53	15	140	.2	86	22	855	4.91	15	5	ND	1	16	1	2	2	41	.06	.103	7	51	.39	105	.01	1	2.86	.01	.09	1	1
S-67-6	2	65	23	158	.3	111	22	594	5.31	21	5	ND	3	23	1	3	2	40	.11	.081	6	55	.92	115	.01	2	2.44	.01	.09	1	3
S-67-7	3	61	19	152	.1	117	27	773	5.33	26	5	ND	1	10	1	2	2	34	.02	.093	6	48	.70	65	.01	2	2.18	.01	.06	1	3
S-67-8	2	59	22	149	.2	104	21	890	4.99	21	5	ND	2	11	1	2	2	39	.05	.078	9	52	.89	97	.01	4	2.51	.01	.09	1	1
S-67-9	2	60	46	182	.3	109	22	600	4.80	32	5	ND	1	37	1	2	4	26	.22	.087	3	41	.65	84	.01	11	1.36	.01	.05	1	1
S-67-10	3	151	25	273	.3	232	74	3205	7.53	43	5	ND	2	32	1	3	2	36	.12	.114	4	41	.74	169	.01	3	2.18	.01	.06	1	2
S-68-1	8	175	2341	3996	17.6	29	53	8262	11.97	508	5	ND	1	40	30	35	10	95	.32	.107	13	30	1.11	102	.01	2	2.31	.01	.08	1	36
S-68-2	2	389	1239	1411	12.6	22	49	7900	8.91	247	5	ND	1	55	7	33	2	210	.63	.110	13	17	2.53	104	.03	2	4.06	.01	.06	1	69
S-68-3	1	336	70	198	.1	6	33	7389	7.40	24	5	ND	1	87	1	2	3	215	.96	.084	8	15	2.19	219	.08	6	3.67	.01	.04	1	13
S-68-4	2	116	203	479	6.6	11	28	2556	7.93	57	5	ND	4	22	3	13	2	130	.39	.137	18	12	1.10	72	.14	2	2.81	.02	.06	1	46
S-68-5	2	162	463	590	12.5	14	29	1725	6.44	62	5	ND	1	40	3	17	2	100	.95	.147	10	11	1.06	71	.09	3	2.05	.01	.06	1	16
STD C/AU-3	18	61	38	133	6.7	66	31	1013	4.18	43	18	7	37	48	18	15	18	59	.50	.089	38	55	.92	175	.07	33	2.05	.06	.14	12	53

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Hg PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	V PPM	Au* PPB
S-68-6	5	179	196	395	1.2	17	22	1058	7.25	349	5	ND	1	15	2	66	3	78	.24	.127	13	9	.69	41	.05	4	1.55	.01	.10	1	26
S-68-7	3	61	33	173	.3	91	22	886	4.95	32	5	ND	2	43	1	3	2	31	.21	.081	13	38	.76	145	.01	5	1.30	.01	.06	1	4
S-68-8	3	85	26	193	.3	154	44	2043	5.60	33	5	ND	2	63	1	2	2	31	.39	.097	5	44	.92	223	.01	2	2.03	.01	.05	1	8
S-68-9	1	112	33	209	.2	167	52	2631	6.54	31	5	ND	1	37	1	2	2	38	.15	.086	4	52	.79	248	.01	1	2.37	.01	.09	1	3
S-68-10	2	63	24	154	.5	88	30	1114	4.86	42	5	ND	2	27	1	3	2	46	.02	.146	9	50	.74	98	.01	9	3.30	.01	.07	1	15
S-68-11	2	73	27	170	.3	92	30	1271	5.36	40	5	ND	2	16	1	6	2	47	.02	.078	7	45	.79	144	.01	2	3.25	.01	.06	1	14
S-69-1	6	76	22	155	.1	32	24	3280	5.55	23	5	ND	2	29	1	10	2	86	.20	.101	30	17	.99	100	.09	5	3.44	.02	.06	1	34
S-69-2	1	187	24	146	.2	23	41	7387	6.95	28	5	ND	2	54	1	3	2	113	.89	.190	52	13	1.30	233	.01	2	3.48	.01	.06	2	11
S-69-3	1	182	7	135	.1	31	30	1324	7.92	10	5	ND	1	75	1	2	2	227	1.48	.249	10	9	2.12	66	.24	9	4.05	.02	.01	1	15
S-69-4	1	171	12	140	.1	17	34	1610	8.77	17	5	ND	2	60	2	2	2	260	1.24	.261	18	16	2.34	38	.13	2	3.98	.01	.86	1	8
S-69-5	1	146	13	129	.1	13	30	1327	7.96	11	5	ND	2	79	1	2	2	272	1.79	.251	16	20	2.25	61	.23	4	3.60	.01	.01	1	2
S-69-6	1	169	10	170	.1	12	39	1815	10.36	13	5	ND	2	65	1	2	2	347	1.16	.255	14	14	2.25	42	.26	3	3.92	.01	.01	1	1
S-69-7	17	246	24	292	2.0	68	48	2023	9.48	24	5	ND	2	51	2	9	2	159	.38	.183	29	66	1.18	80	.20	2	3.05	.08	.16	1	25
S-69-8	2	93	11	133	.1	22	24	1261	7.21	15	5	ND	2	31	1	2	2	198	.58	.136	15	29	1.91	47	.32	4	3.82	.03	.24	1	10
S-69-9	2	139	19	125	.1	20	25	1698	7.02	19	5	ND	2	32	1	2	2	185	.62	.175	22	27	1.83	52	.24	2	3.65	.02	.15	1	13
S-69-10	1	96	9	107	.1	18	21	1247	6.47	11	5	ND	2	34	1	2	2	125	.68	.210	11	25	2.13	59	.15	6	3.50	.02	.15	1	7
S-69-11	2	77	7	126	.1	72	20	351	5.37	16	5	ND	2	34	1	2	2	136	.60	.150	12	101	2.54	55	.14	3	3.03	.01	.06	1	5
S-69-12	1	72	6	92	.3	54	17	596	4.24	14	5	ND	1	72	1	2	2	101	.52	.108	10	66	1.59	100	.11	2	2.59	.01	.06	1	7
S-69-13	1	95	12	93	.1	43	21	1000	5.17	12	5	ND	1	30	1	2	2	126	.44	.134	10	57	1.47	97	.15	3	2.67	.01	.07	1	7
S-69-14	1	102	10	97	.1	15	22	1061	6.32	8	5	ND	1	50	1	2	2	179	1.05	.156	17	23	2.19	58	.33	4	4.51	.03	.45	1	2
S-69-15	1	80	13	122	.1	13	24	1411	6.68	16	5	ND	4	79	1	2	2	213	1.53	.320	32	26	2.49	72	.25	4	3.66	.01	.35	2	1
S-69-16	1	86	9	95	.1	22	22	1122	5.35	5	5	ND	2	100	1	2	2	210	1.48	.275	35	58	2.31	100	.25	8	3.35	.02	.58	2	2
S-69-17	1	120	23	147	.1	30	32	1537	7.19	19	5	ND	3	65	1	2	2	213	1.35	.337	35	76	3.12	157	.24	13	3.07	.02	.22	1	7
S-69-18	1	102	13	122	.1	24	18	875	5.68	10	5	ND	3	74	1	2	2	163	1.21	.251	23	19	2.36	87	.24	2	3.17	.05	.32	1	3
S-69-19	1	124	14	138	.1	25	21	1120	6.55	18	5	ND	2	68	1	2	2	202	1.05	.266	22	52	2.36	148	.29	2	3.76	.02	.36	1	7
S-69-20	2	79	21	103	.3	22	17	1046	6.19	19	5	ND	2	120	1	2	1	142	.43	.163	19	33	1.19	228	.12	6	2.73	.02	.11	2	6
S-69-21	5	145	23	185	.7	82	29	1144	6.96	20	5	ND	2	34	1	8	2	116	.49	.144	26	53	1.63	76	.10	5	2.46	.02	.11	1	11
S-69-22	43	135	38	336	1.0	86	23	1960	7.64	89	5	ND	1	19	6	21	3	134	.28	.126	22	22	.67	163	.05	4	1.97	.03	.15	1	15
S-69-23	2	92	11	110	.2	39	27	1044	6.34	22	5	ND	2	94	1	2	2	136	1.53	.132	11	45	2.26	98	.36	8	3.14	.23	.39	1	6
S-69-24	2	155	32	145	.7	27	17	870	5.40	23	5	ND	1	26	1	2	2	151	.41	.127	26	32	1.02	51	.05	8	1.50	.02	.05	1	18
S-69-25	1	111	11	94	.1	40	26	979	5.16	11	5	ND	1	42	1	2	2	169	1.25	.144	7	70	2.44	75	.25	20	3.70	.01	.47	1	8
S-72-1	1	80	21	116	.1	32	17	959	5.13	24	5	ND	2	20	1	2	2	118	.33	.106	11	37	1.29	108	.13	4	3.14	.01	.08	1	16
S-72-2	1	122	5	88	.1	53	28	975	6.32	7	5	ND	2	56	1	2	2	177	1.48	.216	7	76	3.04	83	.29	22	3.58	.01	.67	1	2
S-72-3	1	102	11	85	.1	36	21	828	5.61	3	5	ND	1	62	1	2	2	141	1.30	.168	5	60	2.50	72	.27	8	3.47	.08	.82	1	4
S-72-4	1	95	19	109	.2	37	19	603	5.61	10	5	ND	1	32	1	2	2	126	.59	.096	10	54	1.95	61	.25	13	3.09	.05	.32	1	11
S-72-5	2	114	9	69	.1	17	21	856	4.99	6	5	ND	2	41	1	2	2	154	1.00	.182	7	28	1.82	69	.26	6	2.66	.01	.53	1	6
STD C/AU-S	19	62	43	132	7.0	71	31	1016	4.16	44	22	8	39	48	19	15	23	60	.50	.091	39	55	.92	175	.07	34	2.06	.06	.13	12	52

Granges Exploration Ltd PROJECT 134 FILE # 89-3395

SAMPLE#	NO PPM	CU PPM	PB PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	V PPM	Au ² PPM
S-72-6	1	122	11	87	.2	28	26	977	5.99	13	5	ND	1	59	1	2	2	171	1.20	.232	8	53	2.33	93	.29	6	2.98	.06	.50	3	8
S-72-7	1	122	8	91	.1	23	24	1079	6.30	8	5	ND	1	44	1	2	2	192	.86	.180	8	46	2.77	121	.21	7	2.74	.03	.29	1	1
S-72-8	1	117	12	93	.1	26	24	984	5.60	7	5	ND	1	35	1	2	2	141	.95	.133	6	35	2.05	68	.21	16	3.03	.01	.57	1	1
S-72-9	1	99	4	89	.1	23	21	983	5.33	9	5	ND	1	32	1	2	2	160	.77	.134	8	43	1.92	116	.16	5	2.68	.01	.20	1	1
S-72-11	1	103	53	275	.6	34	26	1131	6.91	23	5	ND	1	41	1	2	2	164	.75	.130	10	70	2.36	117	.22	14	2.82	.06	.18	1	11
S-72-12	1	130	16	94	.3	24	24	958	5.95	16	5	ND	1	35	1	2	2	159	.83	.149	7	44	2.51	76	.23	8	3.02	.03	.45	1	1
S-72-13	1	128	7	77	.1	19	22	865	5.21	3	5	ND	1	53	1	2	2	186	1.06	.197	7	33	2.37	78	.17	13	2.50	.01	.53	2	1
S-72-14	1	115	10	94	.1	23	25	976	7.03	9	5	ND	1	89	1	2	2	209	1.36	.208	7	31	2.93	84	.21	2	2.95	.08	.51	1	1
S-72-15	1	118	8	78	.1	12	23	939	6.42	5	5	ND	1	131	1	2	2	222	1.54	.277	8	13	2.24	107	.17	6	2.52	.08	.63	1	1
S-73-1	9	180	9	<u>288</u>	<u>2.5</u>	82	28	1515	7.12	<u>28</u>	5	ND	2	67	4	3	2	98	.76	.132	21	33	1.41	100	.33	1	3.23	.16	.13	1	2
S-73-2	12	163	24	<u>213</u>	<u>2.3</u>	161	34	2981	7.79	<u>200</u>	5	ND	2	21	2	9	2	48	.26	.108	10	15	.40	63	.04	3	1.34	.04	.06	1	2
S-73-3	8	<u>195</u>	28	<u>307</u>	<u>1.5</u>	101	48	1925	9.82	<u>42</u>	5	ND	6	77	1	2	2	96	.23	.158	24	47	.95	61	.19	13	4.09	.04	.07	1	<u>15</u>
S-73-4	8	<u>260</u>	44	<u>257</u>	<u>.8</u>	67	37	2426	8.43	<u>33</u>	5	ND	2	50	2	2	2	71	.30	.138	19	21	1.10	59	.12	6	2.89	.03	.07	1	<u>1</u>
S-73-5	5	<u>210</u>	43	<u>201</u>	<u>.5</u>	38	44	3280	6.74	<u>43</u>	5	ND	7	65	1	7	2	97	.21	.169	33	18	.97	249	.15	5	1.73	.02	.05	1	9
S-73-6	1	55	11	124	.2	17	18	1306	4.79	11	5	ND	2	37	1	2	2	80	.44	.129	19	14	1.19	109	.17	5	3.29	.04	.07	1	1
S-73-7	2	78	18	137	.1	35	22	755	5.36	16	5	ND	2	125	2	2	2	94	.78	.129	14	24	1.54	92	.39	9	3.21	.22	.16	1	5
S-73-8	4	188	19	<u>242</u>	<u>.4</u>	113	39	1327	6.79	<u>21</u>	5	ND	1	97	2	2	2	94	.67	.119	8	37	1.28	74	.17	7	3.35	.03	.06	1	8
S-73-9	3	188	16	<u>219</u>	<u>1.1</u>	81	33	1416	7.11	<u>29</u>	5	ND	1	64	2	2	2	88	.52	.124	8	33	1.51	86	.15	6	3.22	.03	.05	2	10
S-73-10	3	143	14	<u>186</u>	<u>.7</u>	51	28	1208	5.89	<u>27</u>	5	ND	1	63	1	2	2	82	.51	.112	11	29	1.24	90	.18	7	3.12	.07	.07	1	<u>23</u>
S-73-11	4	151	14	<u>202</u>	<u>.9</u>	69	32	1279	6.51	<u>24</u>	5	ND	1	75	1	2	2	91	.66	.117	10	28	1.51	91	.24	5	3.15	.14	.11	1	3
S-73-12	5	140	14	<u>201</u>	<u>.7</u>	62	25	1326	5.81	23	5	ND	2	43	2	2	2	76	.36	.124	14	29	1.19	91	.17	3	3.14	.06	.07	1	12
S-73-13	5	131	12	<u>198</u>	<u>.8</u>	62	24	1291	5.53	<u>23</u>	5	ND	2	29	3	2	2	71	.27	.120	15	27	1.12	90	.16	5	3.19	.04	.06	1	<u>17</u>
S-73-14	5	98	13	115	.5	30	23	1515	3.39	10	5	ND	1	54	1	2	2	61	.51	.128	6	13	.48	85	.09	4	1.35	.05	.07	1	8
S-73-15	5	29	5	57	<u>1.0</u>	14	8	327	2.00	5	5	ND	1	30	1	2	2	43	.27	.119	5	7	.30	94	.09	4	.38	.04	.06	1	12
S-73-16	10	98	13	<u>199</u>	<u>1.5</u>	52	17	874	4.55	<u>16</u>	5	ND	1	29	1	4	2	69	.26	.134	9	24	.95	89	.15	2	2.56	.06	.06	2	<u>23</u>
S-75-1	1	110	9	136	.3	159	40	1201	5.41	27	5	ND	1	63	1	2	2	170	.90	.151	9	251	2.83	67	.27	5	2.80	.15	.09	1	6
S-75-2	2	134	23	132	.2	76	28	1454	7.02	199	5	ND	1	39	1	2	2	170	.54	.166	18	103	1.96	97	.10	2	2.88	.04	.07	1	93
S-75-3	1	103	15	116	.1	100	27	1523	6.30	36	5	ND	1	48	1	2	2	211	.77	.174	13	186	2.54	136	.15	4	2.85	.01	.05	1	19
S-75-4	1	109	21	131	.1	88	34	2185	6.99	121	5	ND	1	39	1	2	2	232	.55	.175	11	168	2.01	222	.10	7	3.13	.01	.04	1	14
S-75-5	2	144	31	153	.1	69	38	1764	8.02	30	5	ND	1	48	1	2	2	261	.65	.182	29	135	1.87	725	.13	6	3.25	.01	.03	1	8
S-75-6	1	121	12	101	.1	33	23	1308	5.09	28	5	ND	1	26	1	2	2	174	.43	.157	9	53	2.17	181	.08	6	3.11	.02	.08	1	7
S-75-7	2	122	27	130	.3	134	61	3354	8.82	87	5	ND	2	44	1	13	2	214	.58	.186	15	143	1.43	579	.01	1	2.19	.01	.03	2	8
S-75-8	2	115	24	140	.3	84	52	3463	7.20	52	5	ND	1	50	2	12	2	150	.68	.167	17	107	1.59	493	.01	2	2.63	.01	.07	1	4
STD C/AU-5	18	57	45	132	7.0	69	31	1019	4.11	42	20	7	38	49	19	14	18	60	.49	.093	39	55	.90	177	.07	38	2.02	.06	.14	12	53

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Kg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
SS-56-2 P	5	60	39	200	4.6	61	13	982	4.88	77	5	ND	2	21	2	25	2	27	.28	.063	10	18	.34	156	.01	5	.78	.01	.19	1	7
SS-56-3 P	5	65	46	215	5.5	64	14	1209	4.87	75	5	ND	1	22	2	30	2	22	.34	.063	9	13	.26	170	.01	5	.63	.01	.14	1	5
SS-56-4	6	88	75	257	12.9	77	17	1542	5.38	94	5	ND	1	32	3	41	3	19	.54	.082	8	11	.23	182	.01	12	.49	.01	.07	1	11
SS-56-5 P	4	75	54	188	17.0	61	12	1157	4.47	64	5	ND	2	17	2	44	2	21	.26	.049	7	12	.26	174	.01	3	.50	.01	.13	1	3
SS-56-6	5	73	55	193	8.8	54	16	1764	4.90	93	5	ND	1	35	2	28	2	25	.66	.101	11	20	.38	170	.02	4	.87	.01	.07	1	8
SS-56-7 P	3	59	46	191	5.2	46	15	1512	4.47	67	5	ND	1	40	2	19	2	26	.94	.094	11	21	.42	193	.02	8	.94	.02	.06	1	9
SS-56-8 P	5	61	52	180	6.3	43	15	1694	4.82	91	5	ND	1	27	2	26	2	24	.51	.076	9	14	.30	168	.01	7	.73	.02	.12	1	15
SS-56-9	3	85	33	151	5.2	36	15	1217	4.47	50	5	ND	1	31	1	27	2	27	.62	.087	10	17	.39	191	.01	11	.98	.02	.16	1	19
SS-56-10 P	1	44	14	152	1.0	42	19	887	5.00	20	5	ND	2	106	1	4	2	62	1.62	.077	13	24	1.52	147	.29	4	2.08	.29	.19	1	7
SS-56-11 P	1	42	14	180	.1	41	14	612	4.27	11	5	ND	1	31	1	2	2	55	1.39	.070	15	32	1.34	124	.19	3	2.10	.20	.15	1	6
SS-56-12	1	42	14	196	.3	50	14	1023	3.65	18	5	ND	1	39	1	2	2	34	.91	.079	15	34	.79	156	.06	9	1.64	.04	.06	1	5
SS-67-1	1	42	9	118	.3	94	27	1096	3.19	20	5	ND	2	39	1	2	2	14	.12	.057	4	16	.22	94	.01	2	.68	.01	.04	1	5
SS-67-2 P	1	43	23	113	.2	92	24	995	4.20	18	5	ND	2	21	1	2	2	32	.19	.078	7	17	.78	65	.02	2	1.35	.01	.04	1	4
SS-67-3 P	1	31	9	85	.1	67	14	573	2.99	15	5	ND	2	16	1	2	2	24	.13	.054	4	29	.59	42	.01	5	.97	.01	.02	1	6
SS-67-4 P	2	51	21	133	.2	101	22	891	4.61	17	5	ND	2	20	1	3	2	35	.15	.073	5	43	.86	61	.01	4	1.57	.01	.03	1	5
STD C/AU-9	18	63	38	131	6.7	69	30	921	3.94	42	15	7	38	48	18	14	21	58	.47	.093	38	56	.88	176	.07	35	1.83	.06	.14	12	49

Granges Exploration Ltd PROJECT 134 FILE # 89-3395

Five Assay - 1/2 AT

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Hg %	Ba PPM	Tl %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
R-40-17	3	206	1131	2929	6.9	5	12	104	6.80	29832	5	ND	3	7	9	104	2	4	.23	.074	5	3	.03	21	.01	10	.29	.01	.17	1	2.10
R-40-18	5	112	3556	7352	9.0	7	5	167	4.86	15288	5	ND	2	5	27	52	2	2	.13	.009	4	5	.02	26	.01	9	.20	.01	.14	1	1.28
R-56-1	1	69	3	84	.2	51	22	1058	7.21	21	5	ND	1	146	1	2	2	110	5.46	.049	6	77	2.69	125	.01	9	2.35	.02	.11	1	.01
R-56-5	1	5	69	24	.7	5	7	1642	3.14	30	5	ND	1	18	1	2	2	6	.52	.038	2	2	.25	49	.01	16	.45	.01	.24	1	.01
R-56-6	6	27	168	17	4.6	7	7	605	4.06	122	5	ND	2	8	1	16	2	10	.13	.054	2	25	.02	76	.01	14	.35	.01	.20	1	.01
R-58-1	1	22	4	314	.2	14	20	1501	6.21	34	5	ND	1	436	3	3	2	62	9.02	.058	4	66	2.06	60	.01	6	.87	.01	.12	1	.01
R-58-2	4	94	17	102	.2	15	23	1460	6.31	98	5	ND	2	51	1	2	2	153	2.03	.109	4	11	1.76	87	.18	9	2.68	.06	.11	1	.01
R-59-1	1	124	19	101	.2	12	18	724	5.52	52	5	ND	2	62	1	2	2	90	.89	.318	4	15	1.86	83	.17	14	2.85	.08	.13	1	.03
R-59-2	2	144	3	53	.1	17	17	458	4.17	7	5	ND	1	31	1	2	2	85	2.21	.109	2	36	1.18	36	.12	11	1.80	.04	.04	1	.01
R-59-3	2	92	3	51	.2	13	14	626	4.28	7	5	ND	1	42	1	2	2	85	2.20	.094	3	39	1.61	51	.10	6	1.78	.03	.08	1	.01
R-59-4	5	58	2	101	.1	7	17	695	6.40	2	5	ND	1	16	1	2	2	117	.64	.114	5	25	1.46	49	.22	6	2.43	.04	.07	1	.01
R-59-5	3	258	5	17	.4	11	15	152	3.55	14	5	ND	1	19	1	2	2	69	.54	.045	2	32	.38	90	.26	9	.63	.04	.12	1	.02
R-59-6	2	91	2	54	.2	13	17	544	3.98	7	5	ND	1	29	1	2	2	71	1.72	.094	3	16	1.20	38	.15	8	1.37	.04	.06	1	.02
R-59-7	1	114	2	33	.1	16	18	355	3.74	2	5	ND	1	21	1	2	2	77	.57	.127	2	29	1.25	73	.16	7	1.31	.02	.17	1	.31
R-59-8	1	166	2	44	.1	22	26	588	4.84	7	5	ND	1	31	1	2	2	96	1.48	.111	2	57	2.09	36	.13	7	2.10	.02	.04	1	.01
R-62-1	1	100	2	96	.1	16	16	886	5.75	17	5	ND	2	29	1	2	2	143	.63	.138	4	54	2.40	43	.16	10	3.20	.03	.07	1	.01
R-62-2	1	85	2	87	.1	15	20	900	5.56	3	5	ND	1	27	1	2	2	123	.73	.123	4	27	2.17	77	.18	5	2.85	.04	.12	1	.01
R-62-3	1	98	2	83	.1	12	19	952	5.97	4	5	ND	1	32	1	2	2	157	.57	.112	3	24	2.44	45	.15	7	3.44	.04	.08	1	.01
R-62-4	1	112	2	53	.1	16	23	765	5.52	26	5	ND	1	27	1	2	2	88	.78	.102	3	22	1.62	67	.19	12	1.75	.06	.10	1	.01
R-62-5	2	181	3	87	.2	20	30	870	6.23	24	5	ND	1	30	1	2	2	148	1.06	.112	3	29	2.14	99	.20	9	2.58	.05	.14	1	.01
R-62-6	1	100	6	133	.1	21	22	897	5.20	15	5	ND	1	31	1	2	2	114	1.25	.115	3	52	2.41	90	.15	6	2.63	.04	.21	1	.01
R-62-7	2	29	6	29	.2	7	6	390	2.20	3	5	ND	1	30	1	2	2	30	1.61	.042	2	33	.73	35	.04	7	.90	.02	.07	1	.04
R-62-8	2	48	2	34	.2	13	10	285	2.64	6	5	ND	1	86	1	2	2	53	1.02	.058	2	27	1.17	10	.17	8	1.52	.02	.01	2	.01
R-62-9	1	100	19	40	.5	24	24	633	5.30	13361	5	ND	1	31	1	58	2	83	1.25	.115	3	30	1.55	45	.07	10	1.92	.05	.25	1	.30
R-63-1	3	16	13	15	2.1	6	17	12	5.13	106	5	ND	3	1	1	11	7	8	.01	.001	3	2	.03	25	.01	10	.37	.01	.24	1	.04
R-63-2	7	7	7	40	.3	7	1	19	.67	17	5	ND	6	2	1	2	2	1	.01	.001	4	5	.01	80	.01	5	.29	.01	.18	2	.01
R-63-3	2	6	13	5	.1	5	3	19	2.22	57	5	ND	2	2	1	2	2	3	.01	.022	10	26	.01	58	.01	5	.18	.01	.14	1	.03
R-63-4	3	5	6	12	.6	6	3	14	.98	14	5	ND	4	1	1	2	2	2	.01	.002	8	4	.02	59	.01	7	.26	.01	.18	2	.01
R-63-5	4	25	51	24	3.2	6	13	8	5.59	63	5	ND	3	2	1	3	2	7	.01	.003	12	12	.02	22	.01	9	.32	.01	.24	1	.01
R-63-6	7	18	19	33	1.8	7	14	17	6.59	77	5	ND	3	1	1	4	2	7	.01	.005	2	22	.02	15	.05	5	.30	.01	.23	1	.05
R-63-7	4	135	2	1528	.4	14	24	653	7.91	19	5	ND	1	7	9	2	2	56	.37	.152	10	54	2.49	35	.15	6	3.06	.02	1.41	1	.01
R-63-8	2	5	11	5	.2	5	2	13	2.19	14	5	ND	3	3	1	2	2	2	.01	.004	10	24	.01	53	.01	7	.21	.01	.18	1	.02
R-63-9	5	114	5	1679	.6	12	27	837	8.20	18	5	ND	1	7	18	2	15	46	.28	.152	53	53	2.11	35	.21	10	2.83	.02	1.37	1	.02
R-63-10	6	17	15	51	.4	6	1	58	2.38	11	5	ND	3	3	1	2	5	3	.08	.002	9	28	.06	80	.01	7	.23	.01	.13	1	.04
R-63-11	3	8	9	36	.6	5	2	26	2.29	45	5	ND	4	1	1	2	2	1	.01	.001	10	4	.02	56	.01	3	.21	.01	.14	3	.04
R-63-12	3	22	13	19	1.0	6	3	20	5.15	80	5	ND	5	1	1	2	2	1	.01	.001	6	31	.01	20	.01	6	.16	.01	.12	2	.02
STD C	18	62	41	132	6.9	74	31	1009	4.11	42	21	8	39	49	18	15	21	59	.50	.090	39	55	.90	175	.07	16	2.01	.06	.13	12	-

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SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Hg	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	GM/T	
R-63-13	4	16	13	21	1.0	3	3	14	5.55	104	5	ND	3	1	1	2	2	1	.01	.001	9	4	.01	15	.01	2	.21	.01	.15	1	.09
R-63-14	2	18	8	21	.6	1	3	61	4.52	31	5	ND	4	1	1	2	2	1	.01	.001	11	15	.03	41	.01	2	.40	.01	.27	1	.32
R-63-15	3	6	10	11	.3	3	1	15	1.44	16	5	ND	4	1	1	2	2	1	.01	.001	12	4	.01	110	.01	2	.22	.01	.15	1	.04
R-63-16	13	22	26	44	1.5	4	7	98	13.14	321	8	ND	3	1	1	5	2	1	.01	.001	9	29	.02	15	.01	2	.27	.01	.17	1	.08
R-63-17	7	9	10	32	.6	4	1	21	2.16	61	5	ND	5	1	1	2	2	1	.01	.001	12	6	.01	152	.01	2	.21	.01	.15	1	.04
R-63-18	10	10	11	31	.8	5	2	19	3.42	15	8	ND	5	1	1	7	2	1	.01	.001	17	5	.01	116	.01	4	.19	.01	.15	2	.04
R-63-19	9	9	10	12	.5	3	4	14	4.86	71	8	ND	2	1	1	2	2	1	.01	.001	9	27	.01	23	.01	2	.28	.01	.21	1	.05
R-63-20	14	14	41	1622	1.1	6	3	166	3.62	95	5	ND	3	1	4	5	2	1	.02	.014	11	5	.02	52	.01	8	.25	.01	.18	1	.02
R-63-21	3	8	8	9	.8	3	3	21	3.00	49	6	ND	1	1	1	2	2	1	.01	.004	10	19	.01	34	.01	3	.23	.01	.20	1	.02
R-63-22	10	14	16	35	1.3	8	2	27	3.42	31	5	ND	3	1	1	5	5	1	.01	.002	12	7	.01	38	.01	2	.18	.01	.15	2	.02
R-64-1	1	74	4	36	.2	75	21	526	4.71	3	5	ND	2	11	1	2	2	161	7.32	.036	2	182	1.89	3	.34	9	6.26	.01	.01	1	.01
R-64-2	15	32	3	25	.1	42	12	312	4.05	7	5	ND	1	8	1	2	2	251	.24	.052	7	52	.83	29	.19	2	1.17	.03	.06	1	.05
R-64-3	4	27	8	52	.1	10	8	343	3.53	2	5	ND	2	5	1	2	2	65	.15	.084	8	15	.97	59	.15	3	1.18	.04	.08	1	.01
R-64-4	1	52	2	95	.4	35	27	934	1.91	10	5	ND	1	8	1	2	2	169	1.42	.051	3	37	3.08	12	.34	2	4.68	.03	.01	1	.03
R-64-5	7	39	10	28	.9	2	1	352	2.09	2	5	ND	1	2	1	2	2	65	.10	.011	3	18	.75	70	.29	2	.86	.01	.15	1	.02
R-64-6	1	41	2	123	.3	11	17	1006	10.13	16	5	ND	1	7	2	2	2	315	.77	.086	4	31	3.79	42	.60	2	4.92	.03	.02	1	.02
R-64-7	1	97	8	86	.2	6	14	825	5.07	5	6	ND	2	97	1	2	2	153	2.86	.114	9	10	1.41	63	.19	2	2.35	.05	.06	1	.05
R-65-1	2	14	10	60	.3	2	7	373	5.56	3	5	ND	1	15	1	2	2	36	.47	.153	7	19	.60	73	.02	2	1.93	.02	.06	1	.01
R-65-2	16	20	12	93	.4	2	9	242	8.02	93	7	ND	2	16	1	2	2	44	.12	.127	7	5	1.07	77	.02	7	1.75	.02	.11	1	.01
R-66-1	1	15	4	34	.1	6	4	325	1.86	203	5	ND	1	835	1	2	2	20	17.25	.033	5	5	5.42	97	.01	5	.32	.01	.03	1	.01
R-66-2	3	47	6	51	.3	14	6	821	2.48	30	5	ND	3	316	1	2	2	31	11.00	.052	8	10	1.96	56	.01	13	.45	.01	.05	1	.03
R-67-1	2	27	6	62	.1	11	4	330	2.46	3	5	ND	1	55	1	2	2	6	.92	.019	2	55	.13	51	.01	3	.22	.01	.05	1	.02
R-67-2	3	32	7	70	.4	62	11	265	2.34	8	7	ND	2	30	1	2	2	14	.19	.034	2	69	.45	44	.01	4	.86	.01	.05	1	.02
R-67-3	1	6	4	50	.1	40	4	353	1.98	2	5	ND	1	79	1	2	2	11	.90	.036	2	23	.43	35	.01	3	.63	.01	.04	1	.01
R-68-1	8	202	10948	77721	95.1	15	19	7309	8.06	95	5	ND	1	73	793	162	2	9	1.01	.021	2	32	.21	21	.01	5	.37	.01	.09	4	.04
R-68-2	1	53	211	837	6.7	8	33	2959	9.06	53	5	ND	1	401	6	14	2	83	6.52	.247	8	4	1.77	49	.01	2	.64	.01	.28	1	.03
R-69-1	3	62	8	44	.3	11	3	180	1.11	3	5	ND	1	10	1	2	2	21	.13	.017	3	11	.23	12	.01	4	.37	.03	.01	1	.01
R-69-2	2	33	17	78	.9	14	12	944	7.05	63	5	ND	1	48	1	3	2	39	1.79	.038	5	37	.43	8	.01	2	.69	.01	.02	1	.01
R-69-3	1	39	482	1282	2.8	15	12	1038	6.50	93	5	ND	1	123	12	11	3	72	4.59	.093	7	38	.56	8	.01	5	.68	.01	.04	1	.05
R-69-4	3	72	21	48	.1	14	12	86	3.60	18	5	ND	1	3391	1	2	2	122	.63	.160	15	21	.18	92	.01	5	.50	.06	.23	1	.01
R-71-5	1	8	5	55	.2	11	6	847	.79	4	5	ND	1	23	1	2	2	6	.26	.010	2	9	.28	411	.04	21	.33	.01	.05	2	.03
STD C	19	62	36	132	6.5	68	31	960	4.08	41	18	7	37	49	18	18	22	59	.49	.088	39	52	.89	177	.07	36	2.00	.06	.13	11	-

regular Assay suggested.

SAMPLE#	Ko PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Si PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Hg %	Ba PPM	Tl %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
R-71-6	2	23	3	112	.3	12	10	1146	1.60	2	5	ND	1	35	1	2	2	14	.25	.033	5	7	.42	55	.10	2	.50	.01	.06	1	.01
R-71-7	2	12	6	153	.3	3	15	1464	1.82	2	5	ND	1	40	1	2	2	14	.39	.058	4	6	.80	73	.15	3	.77	.01	.10	1	.01
R-72-1	1	29	2	28	.2	13	7	644	2.60	13	5	ND	3	192	1	2	2	48	8.79	.025	2	17	2.55	21	.01	2	.24	.01	.02	1	.01
R-72-2	1	57	4	51	.3	7	10	864	4.15	27	5	ND	3	517	1	4	2	116	10.12	.065	5	8	2.55	87	.01	5	.25	.01	.03	1	.01
R-72-3	1	45	7	41	.1	5	11	3758	2.65	26	5	ND	4	500	1	2	2	129	19.66	.119	12	6	1.83	64	.01	2	.68	.01	.07	1	.07
R-72-4	1	47	6	39	.2	8	10	986	4.42	14	8	ND	4	304	1	2	2	101	12.12	.082	4	10	3.63	64	.01	2	.38	.01	.04	1	.01
R-72-5	1	39	4	47	.3	3	15	1009	4.14	16	5	ND	4	737	1	2	2	97	12.25	.086	5	5	4.46	613	.01	2	.25	.01	.12	1	.01
R-75-1	19	58	24	56	.6	24	12	608	8.30	29	5	ND	3	65	1	12	2	210	1.11	.152	7	69	1.36	41	.16	3	1.44	.02	.05	1	.04
R-75-2	1	10	3	118	.2	11	4	1958	2.36	37	9	ND	4	643	1	2	2	55	16.67	.050	7	16	2.76	446	.01	21	.23	.01	.01	1	.01
R-75-3	1	11	3	32	.3	15	5	1676	3.66	35	7	ND	4	204	1	2	2	27	23.01	.010	7	15	.54	724	.01	2	.13	.01	.01	1	.01

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	V PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	Sa PPM	Cr PPM	Mg %	Ba PPM	Tl %	B PPM	Al %	Na %	K %	W PPM	Au** GWT
AP ZONE TRENCH-3 16	5	46	512	254	1.2	5	1	235	1.82	121	5	ND	2	5	1	2	2	1	.07	.004	7	38	.02	78	.01	2	.10	.01	.11	3	.08
AP ZONE TRENCH-3 17	4	46	402	241	1.2	7	2	140	2.39	125	5	ND	3	6	1	4	2	1	.10	.006	8	6	.03	55	.01	2	.16	.01	.14	1	.07
AP ZONE TRENCH-3 18	3	50	238	423	.8	4	2	500	2.18	135	5	ND	2	3	2	2	2	1	.19	.004	8	19	.07	37	.01	8	.22	.01	.18	1	.09
AP ZONE TRENCH-3 19	3	200	925	3133	3.7	4	1	1124	2.55	182	5	ND	2	23	13	5	2	1	1.14	.003	5	3	.35	18	.01	8	.19	.01	.15	1	.15
AP ZONE TRENCH-3 20	3	148	3787	2247	7.0	1	1	751	3.06	216	5	ND	1	11	10	11	2	1	1.10	.004	5	18	.46	47	.01	2	.16	.01	.15	1	.18
AP ZONE TRENCH-3 21	3	493	21670	1391	110.9	2	5	227	11.50	692	5	ND	3	27	6	138	5	1	.18	.003	3	3	.06	17	.01	7	.11	.01	.25	1	1.40
AP ZONE TRENCH-3 22	4	93	3569	2119	4.4	2	1	963	2.94	255	5	ND	1	24	7	4	2	1	1.33	.003	4	23	.22	61	.01	2	.11	.01	.11	1	.26
AP ZONE TRENCH-3 23	6	339	3831	1623	8.0	5	1	1578	1.35	280	5	ND	1	13	15	27	3	1	1.09	.004	5	6	.30	57	.01	3	.16	.01	.07	1	.24
AP ZONE TRENCH-3 24	3	153	1350	2493	6.2	4	1	1200	2.75	248	5	ND	2	24	10	14	3	1	2.16	.003	4	29	.79	49	.01	2	.08	.01	.08	1	.20
AP ZONE TRENCH-3 25	5	39	1588	164	3.6	3	2	96	1.51	403	5	ND	1	5	1	4	2	1	.05	.006	6	3	.02	50	.01	5	.16	.01	.15	1	.27
AP ZONE TRENCH-3 26	3	20	547	259	.8	3	2	63	3.37	334	5	ND	2	3	1	2	2	1	.02	.005	7	21	.01	72	.01	2	.18	.01	.13	1	.22
AP ZONE TRENCH-3 27	6	46	1191	241	3.5	1	1	27	2.28	933	5	ND	1	1	1	15	13	1	.02	.002	13	1	.02	39	.01	10	.31	.01	.20	1	.19
AP ZONE TRENCH-3 28	3	12	828	97	15.4	1	1	11	1.45	1168	5	ND	1	3	1	15	6	1	.01	.002	11	7	.02	88	.01	2	.28	.01	.19	1	.21
AP ZONE TRENCH-3 29	3	6	88	54	6.9	1	1	10	.91	66	5	ND	1	1	1	2	2	1	.01	.001	12	1	.02	82	.01	2	.29	.01	.19	1	.06
AP ZONE TRENCH-3 30	5	15	70	155	5.7	3	2	32	2.98	82	5	ND	1	3	1	2	2	2	.02	.015	13	6	.02	81	.01	3	.33	.01	.21	1	.04
AP ZONE TRENCH-4 1	5	48	699	111	1.7	1	1	31	2.36	85	5	ND	2	2	1	2	2	1	.01	.004	8	2	.01	35	.01	2	.25	.01	.20	1	.09
AP ZONE TRENCH-4 2	4	128	857	476	2.2	1	2	439	3.87	138	5	ND	1	3	1	7	2	1	.20	.005	6	11	.08	48	.01	4	.23	.01	.16	1	.08
AP ZONE TRENCH-4 3	3	34	1075	413	2.1	3	2	259	2.42	127	5	ND	2	3	2	3	2	1	.23	.009	7	3	.08	36	.01	8	.22	.01	.16	1	.06
AP ZONE TRENCH-4 4A	6	701	7753	5083	30.1	1	6	750	23.68	754	5	ND	3	7	14	51	2	2	.67	.006	5	3	.31	31	.01	2	.21	.01	.19	1	.27
AP ZONE TRENCH-4 4B	6	132	4980	14488	7.0	1	3	1454	8.28	483	5	ND	2	15	47	12	2	1	2.02	.007	5	1	.97	14	.01	2	.21	.01	.15	1	.19
AP ZONE TRENCH-4 5	4	30	216	278	.7	1	1	113	2.39	279	5	ND	1	2	1	2	2	1	.10	.008	9	12	.04	28	.01	3	.26	.01	.18	1	.12
AP ZONE TRENCH-4 6	2	18	211	522	.8	2	3	56	3.06	469	5	ND	1	2	2	3	3	1	.05	.003	6	2	.03	21	.01	19	.24	.01	.16	1	.12
AP ZONE TRENCH-4 7	1	16	154	892	1.6	1	2	395	3.46	144	5	ND	1	6	3	3	2	1	.24	.002	6	10	.14	34	.01	5	.29	.01	.19	1	.07
AP ZONE TRENCH-4 8	5	27	197	198	13.4	1	1	17	1.62	38	5	ND	1	2	1	3	13	1	.02	.003	6	1	.02	90	.01	22	.28	.01	.18	1	.03
AP ZONE TRENCH-4 9	3	41	32	325	1.6	1	12	782	5.01	38	5	ND	1	15	2	3	5	7	.88	.153	13	3	.22	26	.01	26	.51	.01	.28	1	.03
AP ZONE TRENCH-4 10	2	23	34	178	1.3	1	14	2242	5.60	36	5	ND	1	40	1	2	3	9	3.04	.191	11	1	1.04	27	.01	11	.41	.01	.23	1	.01
AP ZONE TRENCH-5 1	5	21	72	578	.7	3	2	753	2.82	11	5	ND	2	8	2	2	2	1	.53	.007	8	15	.25	60	.01	6	.29	.01	.18	2	.02
AP ZONE TRENCH-5 2	4	14	23	372	.1	2	1	1058	2.23	10	5	ND	1	13	1	2	2	1	.93	.009	8	2	.39	63	.01	2	.24	.01	.17	1	.02
AP ZONE TRENCH-5 3	4	22	32	207	.4	2	2	612	2.52	20	5	ND	1	9	1	2	2	1	.67	.007	9	15	.34	60	.01	4	.32	.01	.19	1	.01
AP ZONE TRENCH-5 4	5	25	315	232	.9	4	2	183	3.02	114	5	ND	2	3	1	2	2	1	.10	.008	8	4	.04	49	.01	3	.22	.01	.15	1	.06
AP ZONE TRENCH-5 5	7	28	471	269	2.5	3	2	82	2.61	80	5	ND	1	2	1	2	2	1	.08	.008	8	23	.04	66	.01	2	.25	.01	.16	1	.06
AP ZONE TRENCH-5 6	5	19	73	112	.3	4	2	37	2.94	168	5	ND	1	2	1	3	2	1	.02	.007	7	3	.01	38	.01	5	.21	.01	.16	1	.07
AP ZONE TRENCH-5 7	4	15	128	80	1.0	3	2	41	2.90	221	5	ND	1	2	1	2	2	1	.02	.005	8	19	.01	42	.01	3	.23	.01	.18	1	.16
AP ZONE TRENCH-5 8	5	15	98	117	1.4	3	2	63	2.71	72	5	ND	2	3	1	2	2	1	.02	.007	8	4	.01	79	.01	6	.23	.01	.16	1	.17
AP ZONE TRENCH-5 9	4	44	1400	565	40.8	1	2	355	2.79	142	5	ND	1	6	3	17	2	1	.41	.007	7	16	.17	65	.01	18	.26	.01	.17	1	.17
AP ZONE TRENCH-5 10	4	334	2145	5807	28.7	3	4	2462	4.21	225	5	ND	1	16	21	16	2	2	1.81	.009	6	2	.79	58	.01	9	.53	.01	.13	1	.65
STD C	19	61	42	132	7.0	55	31	1016	4.26	42	22	8	38	48	19	16	22	60	.52	.094	39	55	.93	175	.07	35	2.03	.06	.14	12	-

Regular Assay suggested.

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	S PPM	Al %	Na %	K %	V PPM	Au** GM/T
AP ZONE TRENCH-5 11	1	192	453	3638	4.8	1	3	7833	4.91	141	5	ND	2	129	18	9	2	2	12.99	.013	6	1	4.04	81	.01	2	.21	.01	.03	1	.12
AP ZONE TRENCH-5 12A	1	19	292	1177	2.0	1	2	7971	4.07	111	9	ND	2	192	1	5	2	1	15.82	.010	6	1	4.55	50	.01	2	.07	.01	.04	1	.10
AP ZONE TRENCH-5 12B	2	46	296	1426	4.0	4	6	2507	4.42	109	5	ND	1	60	8	10	2	5	5.08	.066	4	1	1.89	40	.01	2	.36	.01	.19	1	.04
AP ZONE TRENCH-5 13	3	24	477	475	2.1	3	1	110	2.63	125	5	ND	1	5	2	2	2	1	.22	.013	7	3	.08	16	.01	3	.26	.01	.18	1	.05
AP ZONE TRENCH-5 14	2	42	1435	238	3.7	2	1	58	1.25	44	5	ND	1	3	1	3	2	1	.09	.006	5	1	.04	64	.01	2	.27	.01	.22	1	.01
AP ZONE TRENCH-6 1	4	23	17	449	.3	2	2	2307	3.23	16	5	ND	1	20	1	8	3	1	2.61	.007	5	2	.38	59	.01	2	.24	.01	.12	1	.01
AP ZONE TRENCH-6 2	4	24	34	238	.5	2	3	1976	3.00	21	5	ND	1	27	1	2	2	1	2.67	.007	4	2	.74	46	.01	3	.23	.01	.12	1	.01
AP ZONE TRENCH-6 3	4	19	9	149	.5	2	1	1342	2.05	13	5	ND	1	35	1	3	2	1	2.97	.007	5	2	1.04	37	.01	2	.21	.01	.14	1	.01
AP ZONE TRENCH-6 4	4	13	50	159	.6	1	3	75	3.51	116	5	ND	2	2	1	6	2	1	.07	.006	6	2	.02	31	.01	2	.21	.01	.15	1	.02
AP ZONE TRENCH-6 5	4	14	1257	443	1.7	3	2	258	2.89	57	5	ND	1	7	3	3	2	1	.37	.007	7	3	.14	42	.01	4	.21	.01	.16	1	.01
AP ZONE TRENCH-6 6	4	17	69	147	.9	3	2	262	2.62	79	5	ND	1	7	1	3	2	1	.37	.007	8	3	.15	39	.01	4	.22	.01	.16	1	.02
AP ZONE TRENCH-6 7	4	11	41	61	.8	3	2	347	2.94	118	5	ND	1	11	1	3	2	1	.52	.007	7	3	.19	41	.01	4	.22	.01	.15	1	.03
AP ZONE TRENCH-6 8	4	13	47	74	.8	3	2	255	3.40	145	5	ND	1	5	1	3	2	1	.23	.006	7	3	.09	45	.01	5	.20	.01	.15	1	.03
AP ZONE TRENCH-6 9	4	13	55	173	.4	3	2	511	2.38	55	5	ND	1	9	1	5	2	1	.48	.008	7	3	.19	52	.01	2	.23	.01	.14	1	.02
AP ZONE TRENCH-6 10	4	12	45	132	.5	2	1	92	2.67	107	5	ND	1	2	1	5	2	1	.03	.006	10	2	.01	63	.01	2	.21	.01	.14	1	.03
AP ZONE TRENCH-6 11	5	25	129	176	.7	1	3	710	3.47	103	5	ND	2	3	1	7	3	1	.04	.008	12	1	.01	147	.01	2	.27	.01	.15	1	.01
AP ZONE TRENCH-6 12	5	17	30	149	.6	2	2	225	2.97	85	5	ND	1	3	1	6	3	1	.07	.008	9	2	.03	67	.01	2	.27	.01	.15	1	.04
AP ZONE TRENCH-6 13	4	17	9	240	.3	3	1	760	2.53	35	5	ND	1	7	1	2	2	1	.31	.005	7	4	.09	59	.01	2	.23	.01	.14	1	.01
AP ZONE TRENCH-6 14	4	10	5	195	.3	4	2	985	2.15	28	5	ND	1	28	1	2	2	1	1.47	.006	5	3	.46	34	.01	5	.19	.01	.13	1	.03
AP ZONE TRENCH-6 15	5	9	10	159	.1	3	2	337	2.57	24	5	ND	1	5	1	2	2	1	.16	.007	8	4	.06	63	.01	2	.34	.01	.13	1	.01
AP ZONE TRENCH-6 16	5	11	12	192	.4	3	2	588	2.46	30	5	ND	2	6	1	2	2	1	.22	.005	8	3	.09	73	.01	2	.25	.01	.14	1	.01
AP ZONE TRENCH-6 17	5	13	13	198	.4	3	2	392	2.71	60	5	ND	1	3	1	2	2	1	.06	.009	11	3	.03	93	.01	4	.26	.01	.16	1	.01
AP ZONE TRENCH-6 18	5	11	5	210	.3	5	2	414	2.52	27	5	ND	1	4	1	2	3	1	.15	.008	12	3	.07	64	.01	4	.28	.01	.17	1	.01
AP ZONE TRENCH-6 19	6	13	3	208	.1	2	2	389	2.69	26	5	ND	1	6	1	3	2	1	.30	.009	12	3	.11	83	.01	2	.27	.01	.14	1	.01
AP ZONE TRENCH-6 20	5	16	11	206	.4	3	2	589	2.61	30	5	ND	2	5	1	2	2	1	.17	.008	11	3	.08	55	.01	2	.26	.01	.15	1	.02
AP ZONE TRENCH-6 21	5	14	9	157	.3	4	2	418	2.48	32	5	ND	1	7	1	2	2	1	.33	.008	9	4	.14	47	.01	2	.24	.02	.14	1	.01
AP ZONE TRENCH-7 1	1	20	5	125	.1	1	23	1166	7.95	11	5	ND	1	79	1	2	2	196	2.66	.119	12	2	1.47	34	.17	3	2.58	.04	.17	1	.01
AP ZONE TRENCH-7 2	2	56	13	66	.1	1	21	2541	3.14	15	5	ND	1	38	1	2	2	148	1.95	.113	12	2	2.23	45	.01	2	1.20	.01	.07	1	.02
AP ZONE TRENCH-7 3	3	23	241	61	.8	5	8	569	4.60	79	5	ND	1	29	1	7	3	10	.93	.104	7	4	.26	30	.01	35	.30	.01	.14	1	.05
AP ZONE TRENCH-7 4	5	396	2665	3017	4.5	1	12	426	7.74	189	5	ND	1	48	12	16	2	32	1.31	.249	9	1	.30	17	.01	42	.23	.01	.14	1	.08
AP ZONE TRENCH-7 5	5	917	9712	11221	9.7	3	7	518	6.04	.204	5	ND	1	48	44	11	2	21	1.38	.254	9	2	.31	26	.01	40	.19	.01	.15	1	.11
AP ZONE TRENCH-7 6	7	757	6430	5981	8.7	2	7	500	5.60	165	5	ND	1	40	23	17	2	28	1.23	.234	9	3	.35	21	.01	3	.35	.01	.16	1	.09
AP ZONE TRENCH-7 7	11	571	2915	3275	7.0	6	5	490	4.86	221	5	ND	1	43	14	13	2	19	1.23	.217	8	5	.30	27	.01	2	.30	.01	.19	1	.11
AP ZONE TRENCH-7 8	8	32	183	222	.7	4	2	89	1.37	69	5	ND	2	4	1	2	3	2	.03	.013	9	4	.02	72	.01	2	.20	.01	.15	1	.03
AP ZONE TRENCH-7 9	8	177	1253	440	2.0	3	3	130	2.59	117	5	ND	1	5	2	11	2	4	.09	.036	8	5	.02	62	.01	4	.22	.01	.15	1	.09
AP ZONE TRENCH-7 10	4	35	105	164	.9	3	3	134	1.98	95	5	ND	3	3	1	2	2	2	.01	.014	10	3	.01	70	.01	3	.23	.01	.15	1	.04
STD C	19	59	41	133	7.0	72	31	1023	4.18	45	23	8	39	50	19	14	24	61	.51	.092	40	55	.91	179	.07	38	2.05	.06	.13	12	-

SAMPLE#	No	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tb	Str	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	V	Au**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	GM/T
AP ZONE TRENCH-7 11	5	50	204	315	.7	4	4	75	2.81	180	5	ND	1	9	1	3	2	1	.14	.009	7	4	.02	29	.01	2	.23	.01	.12	1	.06
AP ZONE TRENCH-7 12	7	75	297	532	1.3	2	6	70	1.90	136	5	ND	1	4	2	2	2	5	.09	.015	5	13	.02	14	.01	3	.26	.01	.17	1	.15

GEOCHEMICAL/ASSAY CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR NH PR SR CA P LA CR MG BA TI H W AND LIMITED FOR NA K ASO AL. NO DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK AU** BY FIRE ASSAY FROM 1 A.T.

DATE RECEIVED: SEP 11 1989

DATE REPORT MAILED: *Sept 14, 1989*

SIGNED BY *Al [Signature]* . . . G. TUTE, C. LEONG, J. BANG: CERTIFIED B.C. ASSAYERS

Granges Exploration Ltd. PROJECT 134 File # 89-3587

SAMPLE#	Kc	Co	Pb	Zn	Ag	Hg	Cr	Mn	Zr	As	S	Au	Tl	Bi	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	Y	AU**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	%	PPM	GM/T
C-2-1	29	55	250	535	85.9	12	7	31	10.49	7636	5	4	2	1	2	65	2	3	.01	.015	2	5	.01	5	.01	2	.16	.01	.10	1	6.12
C-2-2	6	41	52	245	4.2	6	3	33	4.91	1110	5	ND	1	4	2	27	6	1	.06	.002	5	6	.01	20	.01	9	.27	.01	.13	1	.59
C-2-3	7	130	218	524	23.7	15	9	38	17.08	5849	5	ND	2	1	2	71	3	23	.01	.011	2	5	.01	1	.01	3	.18	.01	.09	1	3.58
C-2-4	6	51	64	26	8.9	16	10	79	5.27	1027	5	ND	1	10	1	27	2	12	.13	.041	2	3	.03	20	.01	20	.33	.01	.16	1	.98
C-2-5	32	104	95	950	12.2	35	11	37	16.45	5992	5	ND	3	5	2	51	2	7	.26	.021	2	5	.01	1	.01	3	.25	.01	.12	1	1.65
C-2-6	2	34	9	79	.3	16	26	415	3.13	79	5	ND	2	63	1	6	6	10	1.58	.105	10	1	.56	186	.01	5	.49	.01	.25	1	.70
C-2-7	4	22	66	1028	7.6	3	3	1428	5.99	48311	5	ND	1	135	6	372	2	1	7.16	.002	2	1	3.23	10	.01	2	.11	.01	.05	1	.97
C-2-8	12	494	303	3840	209.4	17	9	56	16.41	7656	5	ND	2	3	15	111	2	3	.03	.004	2	4	.02	2	.01	8	.33	.01	.05	1	7.33
C-2-9	3	36	14	166	1.3	11	25	858	6.48	287	5	ND	1	104	1	2	2	16	2.98	.102	5	2	1.66	31	.01	9	.52	.01	.25	1	.06
C-2-10	13	50	31	217	4.0	19	5	1199	4.30	115	5	ND	2	85	2	5	5	4	3.75	.041	4	1	2.74	13	.01	4	.35	.01	.20	1	.98
C-2-11	2	9	13	27	1.5	3	2	2050	4.01	107	5	ND	1	186	1	2	2	4	12.23	.008	2	1	5.56	18	.01	3	.16	.01	.08	2	.02
C-2-12	2	22	77	926	6.4	3	2	2417	6.32	37845	5	ND	1	188	9	302	6	2	9.30	.002	2	1	4.51	16	.01	8	.08	.01	.03	1	.05
C-2-13	12	26	15	49	.1	9	3	213	3.32	137	5	ND	3	17	1	3	2	5	.38	.021	15	7	.26	46	.01	4	.17	.04	.05	1	.01
C-2-14	5	25	174	94	10.2	6	2	44	1.61	3292	5	ND	1	9	1	15	2	1	.07	.010	7	5	.03	179	.01	4	.13	.01	.14	1	.58
C-2-15	4	15	63	693	5.6	6	3	856	4.80	27952	5	ND	1	74	2	227	2	1	4.17	.008	2	3	2.02	15	.01	2	.18	.01	.08	1	.04
C-2-16	13	71	209	1461	50.2	18	10	49	11.86	5177	5	ND	2	3	4	74	2	6	.05	.008	2	4	.01	6	.01	2	.21	.01	.10	1	2.30
1-45M 315W	13	223	120	2190	36.5	25	9	49	5.50	3461	5	ND	1	2	12	127	2	3	.05	.005	2	5	.01	11	.01	2	.22	.01	.12	1	2.18
1-44M 535W	9	37	34	81	14.9	15	4	53	3.10	10885	5	ND	1	1	1	138	2	6	.01	.005	2	9	.01	32	.01	3	.14	.01	.08	1	3.06
STD C	18	52	38	132	7.2	58	11	1038	3.99	41	21	?	37	47	18	15	20	57	.48	.090	37	55	.88	175	.07	14	1.93	.06	.14	12	-

101 P02

COAL

ACME LABS

SEP 15 '89 11:24

GEOCHEMICAL/ASSAY CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK AU** BY FIRE ASSAY FROM 1/2 A.T.

DATE RECEIVED: SEP 15 1989 DATE REPORT MAILED: *Sept 20/89* SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Granges Exploration Ltd. PROJECT 134 File # 89-3692

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	AU	Pb	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	AU**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	GM/T
AP ZONE TRENCH-7 10	5	408	1579	8215	9.1	2	15	52	9.00	817	5	ND	1	5	30	7	2	7	.11	.037	3	2	.02	10	.01	3	.23	.01	.12	1	.51
AP ZONE TRENCH-7 11	2	750	1855	10986	17.0	4	21	31	12.59	1188	5	ND	2	9	40	18	2	3	.25	.062	3	2	.04	1	.01	7	.23	.01	.14	1	1.06
AP ZONE TRENCH-7 15	4	865	1592	29153	37.6	2	12	59	11.13	321	5	ND	5	5	97	21	6	8	.11	.027	2	2	.04	2	.01	5	.26	.01	.13	1	.27
AP ZONE TRENCH-7 16	3	2675	14823	26242	212.9	2	7	2525	12.75	326	5	ND	1	55	136	145	2	5	5.20	.019	3	1	2.83	1	.01	2	.15	.01	.09	3	.20
AP ZONE TRENCH-7 17	3	1107	11851	20555	216.5	2	10	1785	9.50	355	5	ND	1	36	69	142	2	5	3.05	.034	3	2	1.37	11	.01	2	.18	.01	.11	1	.42
AP ZONE TRENCH-7 18	2	4978	1546	30615	204.7	1	10	345	18.22	295	5	ND	1	4	101	132	5	5	.70	.033	2	1	.32	1	.01	2	.15	.01	.05	2	.36
AP ZONE TRENCH-7 19	4	187	2023	2435	12.5	3	14	219	6.27	441	5	ND	1	14	8	10	2	10	.80	.073	4	3	.29	12	.01	8	.25	.01	.15	1	.29
AP ZONE TRENCH-7 20	2	57	535	247	2.8	7	9	435	3.58	12	5	ND	1	11	1	2	2	17	.45	.071	4	3	.51	41	.01	2	.96	.01	.25	1	.92
AP ZONE TRENCH-7 21	3	17	30	262	.5	4	8	1258	3.48	13	5	ND	1	21	1	2	2	11	1.65	.950	9	3	.91	51	.01	2	1.09	.01	.21	1	.92
AP ZONE TRENCH-7 22	1	16	434	369	2.1	4	7	1420	3.70	12	5	ND	1	21	1	3	2	11	1.70	.068	10	3	.36	50	.01	2	1.18	.01	.19	1	.62
AP ZONE TRENCH-7 23	3	12	11	152	.5	2	8	1456	4.22	12	5	ND	1	17	1	2	2	15	1.47	.081	9	3	.98	56	.01	2	1.49	.01	.20	1	.91
AP ZONE TRENCH-7 24	4	11	22	265	.1	2	7	1365	4.18	15	5	ND	1	13	1	2	2	16	1.03	.095	11	2	.84	73	.01	5	1.59	.01	.19	1	.92
AP ZONE TRENCH-7 25	2	15	11	188	.3	2	8	1255	4.70	9	5	ND	1	11	1	2	4	15	.55	.086	11	2	.80	69	.01	2	1.76	.01	.17	1	.91
AP ZONE TRENCH-7 26	1	21	19	167	.5	1	9	1142	4.55	19	5	ND	1	21	1	2	2	24	.81	.158	11	2	.65	54	.01	2	1.40	.01	.15	1	.93
STD C	18	52	40	134	6.5	68	31	1004	4.02	38	19	9	38	49	18	14	19	55	.49	.090	39	54	.88	174	.07	22	1.97	.06	.14	13	-

- ASSAY REQUIRED FOR CORRECT RESULT -

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MM FE SR CA P LA CR NG BA TI B V AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 1 PPM.
 - SAMPLE TYPE: P1-P8 SOIL P9-P10 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GR SAMPLE. P - pulverized.

DATE RECEIVED: SEP 18 1989 DATE REPORT MAILED: Sept 27/89 SIGNED BY: C. Long, D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Granges Exploration Ltd. PROJECT 134 UNUK RIVER File # 89-3735 Page 1

SAMPLE#	NO	Cu	Pb	Zn	Ag	Hg	Co	Ni	Fe	As	U	Au	Tb	Er	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Va	K	W	AU*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
C-S 300N 975W	1	5	3	38	.3	7	7	434	1.35	2	5	ND	1	59	1	2	2	27	.75	.092	6	7	.36	159	.13	13	.75	.06	.05	3	2
C-S 300N 950X	2	22	13	50	.5	9	7	344	3.72	4	5	ND	1	19	1	2	2	96	.11	.092	9	23	.33	211	.16	9	3.47	.02	.03	2	4
C-S 300N 925W	2	16	17	55	.4	17	6	219	4.35	19	5	ND	1	23	1	2	2	57	.22	.072	12	21	.39	198	.12	8	2.13	.02	.05	1	1
C-S 300X 900W	6	18	18	66	.4	10	5	280	8.55	50	5	ND	1	5	1	2	4	117	.03	.022	17	24	.19	54	.38	6	2.59	.01	.04	4	7
C-S 300N 850W	9	11	25	83	.1	7	2	458	10.18	17	5	ND	11	1	1	2	2	15	.63	.029	41	19	.06	12	.17	2	3.44	.04	.07	3	2
C-S 300N 325W	1	22	16	55	.9	11	5	185	8.13	37	5	ND	1	14	1	2	2	111	.19	.060	21	28	.19	59	.49	6	4.58	.03	.06	4	4
C-S 300N 775W	6	19	28	97	2.2	15	8	471	9.25	19	5	ND	1	11	1	2	2	77	.18	.078	16	26	.18	37	.20	2	1.96	.02	.05	2	2
C-S 300N 750W	9	33	13	155	2.3	12	6	254	5.08	39	5	ND	1	19	1	3	3	26	.20	.105	18	5	.19	63	.07	2	.75	.04	.08	1	3
C-S 300N 725W	3	23	13	61	.8	13	10	480	7.37	42	5	ND	1	5	1	4	2	34	.06	.092	9	11	.08	65	.01	4	1.86	.01	.07	3	5
C-S 300X 475W	2	19	18	150	.9	17	17	1393	4.67	2	5	ND	2	51	1	2	2	103	.64	.107	24	26	.41	161	.67	10	5.82	.06	.06	5	2
C-S 300N 450W	1	15	5	29	.4	11	5	200	2.72	9	5	ND	1	177	1	3	2	44	2.51	.099	13	18	.43	360	.13	15	1.44	.12	.07	2	2
C-S 300N 425W P	1	9	2	11	.1	5	2	18	.46	2	5	ND	1	141	1	2	2	3	2.21	.091	2	3	.14	346	.01	18	.34	.01	.01	2	1
C-S 300X 400W	2	10	17	43	.6	8	3	109	4.43	3	5	ND	1	13	1	2	2	105	.11	.091	8	17	.13	60	.27	3	1.40	.01	.04	2	5
C-S 300N 375W	8	9	14	56	.1	6	3	199	6.72	2	5	ND	1	7	1	2	2	117	.08	.032	19	30	.16	19	.53	5	2.04	.02	.04	2	4
C-S 300N 350W	2	18	17	87	1.1	10	9	515	10.26	4	5	ND	2	12	1	2	2	138	.17	.198	6	36	.53	33	.63	6	5.26	.03	.05	2	1
C-S 300N 325W	3	9	11	50	.6	6	5	173	7.42	2	5	ND	1	8	1	2	2	170	.05	.038	7	20	.08	71	.77	2	1.12	.01	.03	1	2
C-S 300N 300W	1	12	2	76	.3	16	18	665	5.54	2	5	ND	1	98	1	2	2	90	1.24	.105	7	17	1.49	72	.50	5	2.22	.10	.17	1	2
C-S 300X 275W	2	21	7	92	.4	20	21	8322	7.75	2	5	ND	1	26	1	2	2	114	.32	.058	19	41	.53	204	.49	3	4.90	.04	.05	1	2
C-S 300X 250W	1	23	14	96	.1	15	19	887	6.80	2	5	ND	1	24	1	2	2	123	.33	.108	26	32	.68	56	.66	2	5.76	.06	.09	1	2
C-S 300X 225W	1	14	9	63	.3	12	10	305	7.19	2	5	ND	1	23	1	2	2	129	.32	.072	16	28	.83	27	.69	2	3.73	.06	.06	3	2
C-S 300N 200W	1	25	9	90	1.4	24	19	2333	7.04	3	5	ND	1	40	1	2	2	104	.61	.082	35	36	.98	160	.49	3	4.79	.05	.05	3	2
C-S 300N 175W	3	20	18	84	.3	29	35	2113	5.87	7	5	ND	1	9	1	2	2	36	.07	.063	14	42	.49	51	.12	6	2.99	.02	.06	1	1
C-S 300N 150W	2	14	15	82	.3	12	10	421	8.08	3	5	ND	1	32	1	2	2	130	.36	.049	11	32	.75	41	.62	2	2.67	.09	.09	3	17
C-S 300N 125W	1	21	18	77	.1	13	9	242	8.62	2	5	ND	2	24	1	2	2	142	.35	.124	21	29	.78	43	.85	1	4.97	.06	.08	1	1
C-S 300N 100W	3	25	10	94	.2	44	7	347	9.35	16	5	ND	1	7	1	2	2	78	.06	.064	12	.66	.56	46	.16	2	2.34	.01	.04	1	1
C-S 300N 075W	3	11	19	72	.3	8	5	284	7.51	2	5	ND	1	20	1	2	2	105	.17	.061	12	24	.31	61	.48	2	2.46	.05	.05	2	2
C-S 300N 050W	4	14	41	62	.8	7	4	134	4.31	18	5	ND	1	8	1	2	2	44	.05	.033	9	11	.19	56	.02	2	2.25	.01	.07	1	5
C-S 300N 025W	1	11	11	66	.1	12	12	294	4.49	2	5	ND	1	58	1	2	2	90	.61	.093	6	18	.87	31	.51	2	1.61	.15	.11	3	5
C-S 300W 00	1	19	15	77	.1	12	9	321	7.84	2	5	ND	1	24	1	2	2	145	.30	.072	7	27	.67	38	.67	2	2.57	.05	.06	1	2
C-S 200N 1000W	1	38	16	57	.7	13	8	241	3.52	123	5	ND	1	43	1	3	2	59	.44	.098	6	11	.40	65	.22	5	1.22	.08	.09	1	9
C-S 200N 975W	8	18	25	80	.4	8	5	311	6.47	18	5	ND	2	8	1	2	2	68	.08	.053	35	32	.15	35	.35	3	3.40	.02	.07	2	2
C-S 200N 950W	3	22	22	50	2.6	7	4	382	9.42	192	5	ND	1	12	1	31	2	75	.10	.078	8	20	.21	62	.22	8	2.61	.02	.04	1	48
C-S 200N 925W	5	17	13	48	.6	6	5	206	6.79	58	5	ND	1	15	1	4	2	143	.11	.032	12	20	.18	34	.38	2	1.76	.03	.03	2	12
C-S 200N 900W	1	10	3	53	.5	16	16	393	4.56	2	5	ND	1	89	1	2	2	80	.92	.085	6	15	1.26	71	.49	7	1.82	.25	.14	1	6
C-S 200N 875W	1	10	12	48	.7	9	11	402	3.46	235	5	ND	1	61	1	1	2	47	.60	.096	8	10	.65	92	.26	10	1.48	.13	.12	2	3
C-S 230N 300W	2	9	15	34	.9	3	6	163	2.56	10	5	ND	1	21	1	2	2	74	.17	.056	10	12	.29	129	.16	2	1.16	.04	.07	1	4
STD C/AU-S	18	58	43	133	7.1	69	29	999	4.15	39	19	8	36	46	17	15	17	53	.49	.089	36	54	.89	174	.06	34	1.99	.06	.14	12	48

AS

As/As

I? Ag

AW/As/As

AS

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	V	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	PPM	%	%	%	PPM	PPM	
C-S 200N 775W	3	22	20	191	.1	15	6	150	2.80	25	5	ND	4	43	2	2	2	99	.43	.074	24	20	.43	115	.85	2	5.74	.04	.06	2	4
C-S 200N 750W	4	27	11	76	1.3	11	11	221	8.17	14	5	ND	2	27	2	2	2	156	.21	.037	6	20	.39	50	.71	2	2.02	.06	.05	1	104
C-S 200N 725W	5	35	55	209	5.8	18	11	536	7.20	458	5	ND	3	16	1	9	2	67	.16	.060	20	30	.34	66	.25	2	4.09	.02	.04	1	24
C-S 200N 700W	8	28	46	96	7.9	8	9	256	6.57	441	5	ND	1	27	1	14	2	106	.28	.142	6	14	.27	122	.28	4	1.12	.04	.12	1	4
C-S 200N 675W	7	38	20	96	2.7	8	8	187	10.28	21	5	ND	5	5	1	2	2	97	.04	.045	39	47	.15	19	.38	6	5.38	.01	.03	1	4
C-S 200N 650W	1	23	9	89	.9	10	11	254	6.72	10	5	ND	4	14	2	2	2	119	.17	.045	15	10	.59	19	.64	2	4.28	.03	.03	1	3
C-S 200N 625W	8	14	9	108	.3	5	4	79	2.89	52	5	ND	1	13	1	2	2	61	.10	.026	30	8	.13	41	.04	2	1.23	.02	.04	1	1
C-S 200N 600W	10	26	36	85	.3	4	3	247	9.26	24	5	ND	4	14	1	2	2	82	.14	.037	17	21	.21	40	.20	2	3.49	.03	.03	1	5
C-S 200N 550W	1	28	16	98	1.6	15	19	1303	6.54	14	5	ND	3	21	2	2	2	108	.31	.058	31	29	.79	56	.63	3	5.12	.04	.07	2	2
C-S 200N 525W	9	21	22	92	.2	6	6	315	7.89	16	5	ND	3	24	1	2	5	62	.26	.031	26	17	.12	58	.32	2	1.61	.02	.04	1	3
C-S 200N 500W	6	25	15	186	.3	20	26	6442	10.36	17	5	ND	4	55	3	2	2	101	.69	.066	13	22	.48	205	.66	2	3.94	.03	.07	1	5
C-S 200N 475W	6	23	17	85	.8	10	7	251	6.34	13	5	ND	1	8	1	2	2	39	.05	.224	9	15	.10	56	.03	2	1.49	.01	.05	1	2
C-S 200N 450W	12	28	15	97	.3	7	8	331	12.66	19	5	ND	5	11	1	2	2	93	.07	.117	15	22	.09	41	.29	2	1.73	.03	.04	2	4
C-S 200N 425W	3	24	18	177	.7	20	6	1034	5.70	18	5	ND	9	14	1	3	2	18	.27	.056	51	13	.15	186	.10	2	4.27	.03	.07	1	3
C-S 200N 400W	8	27	20	86	.4	9	8	382	9.22	25	5	ND	4	4	1	2	2	102	.05	.044	49	27	.29	67	.21	2	3.90	.01	.03	2	4
C-S 200N 375W	2	23	4	58	.2	12	11	244	4.95	10	5	ND	4	24	1	2	2	108	.13	.085	19	22	.82	47	.72	6	5.77	.06	.07	2	2
C-S 200N 350W	7	29	15	100	.6	16	9	326	9.58	20	5	ND	4	6	1	2	3	146	.05	.106	13	49	.33	26	.29	2	3.03	.01	.04	1	4
C-S 200N 325W	7	29	22	91	.1	10	8	238	10.54	21	5	ND	8	4	1	2	2	71	.04	.034	31	44	.21	19	.33	2	3.67	.01	.04	1	3
C-S 200N 250W	6	34	16	61	1.0	7	9	215	9.90	19	5	ND	7	8	2	2	2	111	.09	.039	16	26	.37	21	.51	2	3.27	.02	.03	1	3
C-S 200N 225W	9	24	16	90	.5	11	3	380	9.68	19	5	ND	8	3	1	3	4	54	.03	.029	26	33	.28	13	.27	2	2.86	.01	.04	1	2
C-S 200N 200W	3	20	22	96	.1	4	5	413	5.74	20	5	ND	9	4	1	2	2	26	.07	.056	101	12	.15	43	.17	3	5.45	.04	.06	1	1
C-S 200N 175W	2	36	9	73	.3	14	23	4118	6.85	9	5	ND	5	23	2	2	2	124	.35	.060	14	32	1.05	123	.79	4	4.77	.05	.09	1	2
C-S 200N 150W	8	27	25	59	.4	3	7	288	9.23	13	5	ND	8	4	1	6	5	78	.02	.104	23	32	.09	35	.28	2	3.48	.01	.03	1	2
C-S 200N 125W	2	26	3	80	.2	32	9	213	6.95	13	5	ND	2	14	1	2	6	79	.14	.104	7	53	.53	47	.16	2	2.59	.02	.04	1	2
C-S 200N 100W	3	21	18	81	2.7	8	19	6059	6.26	11	5	ND	3	25	1	2	2	98	.28	.092	11	24	.44	73	.36	8	2.80	.07	.07	1	2
C-S 200N 075W	8	37	21	99	2.4	16	50	15448	6.05	12	5	ND	1	16	2	2	2	88	.25	.121	24	40	.67	134	.23	2	5.37	.03	.06	1	3
C-S 200N 050W	4	29	20	92	.9	13	13	1004	7.56	14	5	ND	4	15	1	2	2	119	.17	.037	15	38	.55	34	.51	5	3.36	.03	.04	1	4
C-S 200N 025W	2	33	17	77	.4	34	9	243	9.08	15	5	ND	3	10	1	2	2	71	.06	.146	7	58	.55	43	.13	2	3.74	.01	.02	1	3
C-S 200N 00	6	28	9	80	.6	21	9	283	10.00	21	5	ND	8	7	1	2	2	58	.06	.063	13	48	.40	39	.17	2	2.71	.01	.04	1	3
C-S 100N 850W P	1	3	4	17	.1	6	3	100	.71	2	5	ND	1	88	1	2	2	6	.74	.056	2	4	.13	141	.02	52	.18	.04	.03	1	3
C-S 100N 875W	6	36	17	103	1.2	30	9	278	8.57	58	6	ND	4	6	1	2	2	50	.04	.030	16	49	.45	31	.07	3	2.89	.01	.05	1	12
C-S 100N 850W	7	34	23	97	1.1	26	8	254	9.02	66	5	ND	4	5	1	2	2	50	.03	.029	17	47	.38	31	.08	2	2.87	.01	.04	1	7
C-S 100N 825W	1	11	20	65	.7	10	13	315	4.25	9	5	ND	2	70	1	2	2	89	.77	.049	9	10	1.01	50	.42	2	2.05	.24	.13	1	2
C-S 100N 800W	2	28	16	92	.2	41	8	226	6.25	18	5	ND	4	7	1	2	2	42	.03	.046	9	67	.64	35	.04	2	5.75	.01	.03	1	2
C-S 100N 575W	1	26	7	70	.1	9	11	190	6.53	18	5	ND	5	16	2	2	2	133	.25	.071	15	26	.69	38	.91	5	4.88	.04	.05	1	1
C-S 100N 550W P	7	18	25	113	.5	6	7	137	5.45	10	5	ND	5	8	1	2	2	97	.07	.028	33	35	.14	52	.45	6	2.96	.02	.04	1	2
C-S 100N 525W	4	20	12	69	.7	6	7	234	6.60	6	5	ND	6	15	1	2	2	84	.08	.052	24	14	.14	93	.24	3	1.83	.01	.04	1	4
STD C/AU-S	18	57	40	131	7.2	68	30	953	3.89	38	17	7	16	47	18	16	19	57	.49	.047	37	53	.87	173	.07	34	1.98	.06	.14	13	53

Aw/Ag/As/Sb
(Zn)(Pb)

Aw Ag As

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Tb PPM	St PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU* PPB
C-S 100N 500W	7	22	11	92	1.0	8	6	170	5.55	4	5	ND	2	9	1	2	2	98	.08	.039	21	15	.10	44	.23	2	1.64	.01	.03	1	1
C-S 100N 475W	4	26	10	71	.1	41	7	256	5.73	10	5	ND	1	5	1	2	2	67	.03	.029	9	48	.53	35	.06	3	2.37	.01	.04	1	3
C-S 100N 450W	13	29	22	91	.3	12	9	353	13.15	15	5	ND	6	4	1	2	2	103	.04	.061	27	34	.23	19	.35	2	2.97	.01	.03	1	2
C-S 100N 425W	5	18	20	69	.5	9	8	259	6.86	9	5	ND	3	7	1	2	2	104	.07	.037	20	38	.17	32	.40	2	3.31	.01	.02	1	6
C-S 100N 400W	5	27	26	90	.6	7	14	2250	7.31	18	5	ND	4	5	1	3	3	48	.05	.065	.65	23	.15	27	.18	2	3.31	.02	.05	1	5
C-S 100N 375W	5	37	19	83	.6	25	9	287	10.32	21	5	ND	4	7	1	2	2	48	.04	.049	11	53	.44	34	.12	2	3.90	.01	.03	1	2
C-S 100N 350W	4	37	20	89	.7	37	8	359	5.33	18	5	ND	1	6	1	2	2	39	.04	.052	39	39	.53	52	.07	6	3.83	.01	.04	2	3
C-S 100N 325W	4	46	12	77	1.6	17	14	604	4.87	32	5	ND	2	4	1	17	2	128	.03	.056	7	29	.14	45	.06	6	2.52	.01	.03	1	3
C-S 100N 300W	4	35	21	76	.4	27	10	291	4.91	19	5	ND	2	9	1	2	2	94	.37	.056	10	58	.42	41	.15	4	3.21	.01	.03	1	1
C-S 100N 275W	7	28	14	74	.5	28	8	361	7.87	19	5	ND	9	4	1	3	2	41	.02	.044	20	35	.40	16	.18	2	2.62	.01	.05	1	3
C-S 100N 275W (A)	3	23	10	53	.4	9	7	139	6.93	14	5	ND	4	8	1	2	2	99	.09	.045	10	21	.33	49	.29	2	2.54	.01	.02	1	1
C-S 100N 250W	5	23	11	54	2.1	21	7	128	10.59	13	6	ND	3	11	1	2	11	97	.08	.045	9	49	.29	37	.19	2	3.18	.01	.02	2	1
C-S 100N 025E	9	25	20	65	.4	5	4	225	7.98	17	5	ND	7	3	1	2	2	37	.02	.030	35	23	.06	10	.22	2	2.64	.02	.04	1	3
C-S 100N 050E	3	19	24	46	.3	4	4	103	6.29	15	5	ND	6	3	1	2	2	52	.03	.030	27	25	.12	18	.25	5	2.59	.02	.03	2	1
C-S 100N 075E	5	24	17	91	.6	26	3	319	10.34	17	5	ND	7	4	1	2	2	70	.02	.069	12	49	.39	26	.24	2	3.03	.01	.03	1	1
C-S 100N 100E	1	11	7	91	.1	19	17	437	4.53	5	5	ND	1	127	2	2	2	98	1.59	.070	12	12	1.28	99	.34	3	2.57	.44	.22	1	1
C-S 100N 125E	2	17	11	63	.1	12	9	177	5.90	5	5	ND	6	16	2	2	3	142	.25	.093	26	24	.66	37	.97	5	5.10	.04	.06	2	2
C-S 100N 150E	8	26	18	89	.3	9	6	304	11.60	22	5	ND	12	3	1	2	3	15	.32	.030	38	29	.14	20	.34	2	3.47	.02	.03	2	1
C-S 100N 175E	8	27	17	77	.1	10	6	291	10.62	17	5	ND	10	3	1	2	2	43	.02	.029	29	31	.16	13	.24	2	3.24	.01	.03	1	2
C-S 100N 200E	7	25	15	90	.1	23	8	342	9.56	18	5	ND	12	4	1	2	2	38	.02	.025	27	35	.33	20	.20	3	2.26	.01	.03	1	3
C-S 100N 225E	7	27	9	102	.2	34	8	774	6.13	20	5	ND	7	5	1	2	2	33	.05	.047	24	33	.58	30	.10	2	3.62	.02	.06	1	2
C-S 100N 250E	5	19	11	51	.1	6	6	142	4.31	3	5	ND	3	6	1	2	2	138	.02	.016	10	22	.10	57	.50	6	1.09	.01	.02	1	3
C-S 100N 275E	8	40	9	76	.3	25	9	199	14.52	21	5	ND	7	4	1	2	2	120	.01	.052	9	57	.38	43	.22	2	2.98	.01	.04	1	1
C-S 100N 300E	4	39	12	71	.4	34	7	178	7.09	13	5	ND	3	7	1	2	2	56	.04	.030	12	52	.45	48	.08	2	3.25	.01	.02	1	5
C-S 100N 325E	4	21	11	59	.2	34	6	177	5.35	11	5	ND	4	5	1	2	3	73	.03	.022	18	52	.57	30	.15	2	2.90	.01	.03	1	1
C-S 100N 350E	4	26	10	63	.2	51	8	240	5.86	16	5	ND	4	5	1	2	2	51	.01	.018	20	59	.74	42	.06	6	2.94	.01	.02	1	3
C-S 100N 375E	3	20	14	58	.2	42	7	195	5.56	15	5	ND	4	4	1	2	2	59	.02	.019	19	36	.66	35	.09	2	2.90	.01	.03	1	4
C-S 100N 400E	3	16	11	44	.2	8	5	76	4.83	6	5	ND	4	7	1	2	2	102	.05	.025	11	36	.25	35	.36	3	2.36	.01	.02	2	6
C-S 100S 250W	4	22	15	53	.7	20	7	153	7.22	14	5	ND	4	8	1	3	3	98	.06	.047	8	39	.32	30	.26	4	1.81	.01	.03	1	1
C-S 200S 700W	11	27	16	69	.3	6	7	226	10.56	16	5	ND	7	4	1	3	2	124	.02	.023	15	36	.10	30	.56	2	2.73	.01	.02	2	1
C-S 200S 675W	1	44	25	102	.4	16	7	185	2.06	7	5	ND	2	22	2	3	2	84	.24	.096	24	31	.49	91	.45	3	3.86	.03	.03	1	3
C-S 200S 625W	3	17	4	81	.5	15	15	440	3.81	13	5	ND	2	51	1	2	2	71	.51	.077	8	10	.90	63	.37	4	1.40	.15	.09	1	1
C-S 200S 600W	9	40	23	100	1.5	21	11	818	11.28	23	5	ND	3	5	1	3	2	79	.03	.063	14	43	.30	41	.12	2	2.97	.01	.04	1	3
C-S 200S 575W	8	27	21	72	1.7	7	8	345	7.98	16	5	ND	6	5	1	2	2	95	.03	.035	21	31	.10	39	.35	3	3.12	.01	.04	2	4
C-S 200S 550W	6	21	20	78	.4	6	6	174	6.73	11	5	ND	3	8	1	2	2	70	.09	.033	16	25	.16	35	.26	5	2.16	.02	.06	1	2
C-S 200S 525W	3	11	16	54	.4	7	4	161	2.99	10	5	ND	4	24	1	2	2	92	.13	.039	10	10	.34	110	.45	2	.38	.05	.06	1	2
C-S 200S 500W	2	42	23	115	.4	66	10	315	4.43	24	5	ND	4	8	1	2	2	36	.03	.044	9	68	.93	42	.04	2	4.12	.01	.04	2	3
STD C/AU-3	19	61	40	131	5.5	68	30	970	3.91	39	22	7	38	47	18	15	18	57	.49	.087	38	56	.87	174	.07	32	1.89	.06	.14	12	48

J Ag Sb
weak As, Au

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Ku PPM	Fe %	As PPM	V PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	F %	La PPM	Cr PPM	Mg %	Ba PPM	Tl %	B PPM	Al %	Na %	K %	W PPM	Au PPB
C-S 200S 475W	2	18	13	64	.5	15	12	211	6.79	3	5	ND	7	15	2	3	2	174	.22	.070	13	27	.83	30	1.13	6	3.96	.04	.06	1	1
C-S 200S 450W	4	25	15	69	.6	11	10	296	7.00	2	5	ND	6	8	1	1	2	142	.09	.032	14	36	.23	27	.63	5	2.55	.02	.03	1	1
C-S 230S 425W	7	31	18	81	.4	10	9	356	8.94	2	6	ND	9	5	1	2	2	89	.04	.053	17	41	.23	23	.47	9	4.16	.01	.03	2	1
C-S 200S 400W	3	26	25	115	.1	50	9	393	5.97	4	5	ND	10	5	1	3	2	32	.03	.047	18	55	.63	37	.07	3	5.73	.01	.04	1	2
C-S 200S 375W	2	52	21	91	.2	24	22	552	12.64	6	5	ND	3	9	1	2	2	92	.07	.129	8	51	.48	84	.15	8	4.04	.01	.03	1	1
C-S 200S 350W	2	25	8	59	.3	16	12	249	7.98	2	5	ND	8	18	2	2	2	151	.29	.099	12	26	.93	48	.99	6	4.54	.05	.09	1	1
C-S 300S 750W	1	18	10	67	.3	15	13	233	3.85	4	5	ND	2	67	1	2	2	64	.71	.087	8	9	.73	57	.45	5	1.75	.16	.10	1	1
C-S 300S 725W	5	19	20	56	.8	6	6	160	5.64	2	5	ND	3	10	1	2	2	88	.09	.036	23	34	.26	17	.40	2	2.43	.02	.04	1	1
C-S 300S 760W	8	27	26	68	.9	7	6	266	11.36	15	5	ND	13	6	1	2	2	49	.03	.035	17	58	.10	22	.24	2	3.19	.01	.03	1	1
C-S 300S 575W	2	23	8	59	1.0	13	13	659	5.97	2	5	ND	4	16	1	2	2	113	.27	.092	15	25	.81	38	.75	9	4.80	.04	.06	1	1
C-S 300S 650W	6	19	15	87	.5	13	11	450	5.36	6	5	ND	8	13	1	2	2	64	.19	.075	44	22	.42	52	.37	5	5.07	.04	.07	1	1
C-S 300S 625W	6	24	25	74	.2	10	5	225	3.83	7	5	ND	7	6	1	3	2	24	.08	.050	43	14	.12	37	.16	4	3.55	.02	.06	1	1
C-S 300S 600W	1	16	6	88	.1	14	13	278	3.39	2	5	ND	1	56	1	2	2	56	.56	.075	9	9	.82	80	.35	2	1.34	.13	.09	1	1
C-S 300S 575W	3	13	14	64	.3	11	7	218	3.03	3	5	ND	1	18	1	2	2	94	.19	.057	9	28	.24	48	.23	2	1.17	.03	.05	1	1
C-S 300S 550W	7	35	16	99	.8	44	10	355	8.52	13	5	ND	5	5	1	2	2	55	.04	.046	20	54	.73	38	.13	5	3.12	.01	.06	1	1
C-S 300S 525W	4	17	25	89	.3	7	4	306	6.08	3	5	ND	8	2	1	2	3	20	.03	.050	46	17	.12	8	.15	2	3.56	.03	.07	1	1
C-S 300S 475W	6	25	19	98	1.6	21	9	330	7.99	7	5	ND	5	7	1	2	2	102	.03	.039	12	50	.37	48	.32	7	3.51	.01	.03	2	3
C-S 300S 475W (A)	9	20	25	49	.9	7	5	125	6.07	14	5	ND	8	2	1	3	2	35	.02	.022	30	26	.12	19	.18	9	2.33	.02	.05	2	2
C-S 300S 425W	4	27	17	74	.4	43	8	230	7.49	5	5	ND	3	6	1	2	2	67	.02	.024	15	56	.67	35	.13	7	2.92	.01	.04	1	1
C-S 300S 400W P	1	12	3	92	.2	33	6	177	1.44	2	5	ND	1	67	1	2	2	17	2.05	.103	7	22	.44	116	.02	5	1.27	.02	.04	1	1
C-S 400S 850W	11	49	28	133	4.2	22	11	515	7.84	76	5	ND	1	7	1	5	2	70	.08	.301	13	22	.14	24	.05	9	.82	.01	.05	1	3
C-S 400S 825W	9	58	67	154	3.0	24	14	766	8.91	97	5	ND	1	5	1	12	2	65	.05	.188	14	31	.10	30	.02	5	.98	.01	.05	1	22
C-S 400S 800W	6	37	41	111	1.5	38	13	447	9.55	54	5	ND	4	5	1	2	2	86	.05	.060	12	43	.35	43	.23	5	1.32	.01	.04	1	10
C-S 400S 775W	9	55	34	103	2.4	26	26	1226	8.20	74	5	ND	1	14	1	2	2	77	.19	.181	14	37	.40	76	.05	6	2.38	.01	.04	1	11
C-S 400S 725W	2	38	19	74	.3	31	9	182	10.45	14	5	ND	3	9	1	3	8	70	.07	.037	6	80	.53	79	.05	5	3.12	.01	.03	2	2
C-S 400S 700W	3	27	14	77	1.5	10	9	256	6.48	2	5	ND	5	14	1	4	2	131	.12	.045	7	25	.29	41	.64	6	2.43	.02	.04	1	3
C-S 400S 700W (A)	2	16	18	46	.1	12	7	248	3.62	9	5	ND	1	15	1	2	3	193	.25	.030	7	33	.21	65	.37	3	1.06	.02	.03	1	3
C-S 400S 675W	5	17	10	77	.4	9	6	111	3.26	6	5	ND	4	13	1	2	2	79	.11	.032	19	12	.14	55	.26	4	.89	.02	.06	1	6
C-S 400S 650W	6	30	13	234	2.2	33	23	3055	3.37	5	5	ND	1	80	3	2	2	41	1.06	.147	79	25	.42	136	.13	4	5.75	.03	.06	3	2
C-S 400S 625W	4	21	24	59	.8	19	8	253	6.03	14	5	ND	2	14	1	2	2	94	.13	.095	13	38	.30	72	.24	5	1.76	.02	.05	1	4
C-S 400S 600W	5	43	34	110	.6	32	11	319	9.86	30	5	ND	4	12	1	4	2	58	.08	.120	11	50	.47	65	.10	9	3.01	.01	.05	3	1
C-S 400S 575W	7	28	13	75	.2	19	15	173	5.60	33	5	ND	1	10	1	3	2	100	.10	.025	11	14	.08	72	.05	3	2.17	.01	.03	2	2
C-S 400S 550W	3	17	20	51	.4	7	7	122	5.76	4	5	ND	3	10	1	2	3	122	.07	.033	9	23	.14	38	.45	6	1.51	.01	.04	1	1
C-S 400S 525W P	1	11	10	32	.3	4	5	76	5.51	2	5	ND	1	8	1	1	2	77	.07	.023	12	19	.10	33	.32	2	1.28	.01	.02	1	5
C-S 400S 500W	2	34	19	74	1.0	38	8	181	6.51	2	5	ND	3	14	1	2	9	84	.07	.047	6	56	.62	76	.20	4	3.15	.01	.03	1	2
C-S 400S 475W	2	19	11	58	.1	14	13	220	7.43	2	5	ND	6	17	1	2	2	141	.19	.043	17	27	.80	24	.85	3	1.58	.05	.05	1	1
STD C/AU-S	18	52	43	131	6.6	68	30	964	3.89	39	21	6	27	47	18	16	21	57	.50	.087	38	54	.69	172	.07	15	1.93	.06	.14	12	51

Aw, Ag, As
Sb, Zn, Pb
± Mo

Zn/Ag

Granges Exploration Ltd. PROJECT 134 LNUK RIVER FILE # 89-3735

SAMPLE#	MO PPM	CU PPM	PB PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	AU PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Hg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU* PPB
C-S 500S 815W	7	31	30	79	.9	10	4	251	4.48	135	5	ND	1	13	1	4	3	48	.06	.164	15	10	.04	56	.05	2	.50	.01	.06	1	7
C-S 500S 850W	6	38	57	123	1.2	41	10	746	3.18	56	5	ND	1	13	1	2	2	41	.17	.040	12	40	.60	39	.09	2	2.11	.01	.04	1	1
C-S 500S 825W	5	91	334	421	2.6	25	11	1173	10.81	201	5	ND	1	11	1	3	2	82	.12	.261	8	39	.21	57	.11	2	.88	.02	.05	1	37
C-S 500S 800W	7	29	79	73	4.5	12	6	395	6.14	125	5	ND	1	27	1	4	2	51	.27	.096	7	11	.26	121	.10	2	1.19	.05	.07	1	4
C-S 500S 775W	2	18	25	50	3.4	10	4	138	6.57	9	5	ND	1	12	1	2	2	95	.11	.039	8	27	.24	37	.36	2	2.23	.02	.03	1	3
C-S 500S 750W	3	22	23	78	2.3	13	8	703	4.07	2	5	ND	1	19	1	2	2	74	.44	.090	22	50	.31	35	.37	2	6.39	.03	.03	3	7
C-S 500S 725W	3	13	15	55	.3	9	4	223	5.31	5	5	ND	2	16	1	2	2	95	.13	.047	16	23	.25	74	.28	2	1.95	.03	.04	1	3
C-S 500S 700W	1	22	13	53	.4	11	9	294	6.32	5	5	ND	2	24	1	2	2	115	.35	.106	14	25	.82	51	.72	2	5.10	.07	.08	4	2
C-S 500S 675W	5	14	15	49	.1	5	3	170	5.93	2	5	ND	1	5	1	2	2	89	.05	.025	15	32	.12	20	.38	2	2.20	.01	.02	2	2
C-S 500S 650W	3	18	20	62	.4	10	7	867	6.48	2	5	ND	1	10	1	2	2	84	.14	.049	20	27	.41	28	.42	2	3.52	.03	.05	2	7
C-S 500S 625W	3	14	15	53	.3	9	4	237	8.58	5	5	ND	1	12	1	2	3	93	.11	.037	9	24	.18	49	.33	2	2.65	.02	.03	1	3
C-S 500S 600W	4	33	27	91	.5	12	11	1068	8.05	12	5	ND	1	13	1	2	2	77	.16	.095	8	22	.39	53	.20	3	2.40	.03	.06	1	1
C-S 500S 575W	1	11	2	96	.1	7	10	1090	1.22	2	5	ND	1	57	1	2	2	18	1.13	.083	6	5	.22	199	.07	2	.95	.04	.05	1	2
C-S 500S 550W	6	11	23	60	.1	11	4	245	7.48	9	5	ND	1	4	1	2	3	105	.04	.020	19	46	.21	18	.38	2	2.45	.01	.02	1	4
JS 1400N 575W	1	55	20	90	.2	16	12	939	5.21	18	5	ND	1	15	1	3	2	91	.22	.130	13	23	.68	96	.07	2	3.03	.02	.05	1	5
JS 1400N 550W	1	66	19	84	.2	19	15	898	4.84	17	5	ND	1	16	1	2	2	94	.22	.082	10	27	.99	92	.06	6	2.47	.01	.05	1	10
JS 1400N 500W	7	44	25	135	.1	16	12	917	5.54	9	5	ND	1	15	1	2	2	90	.18	.097	14	24	.81	112	.17	2	3.38	.02	.06	1	10
JS 1400N 425W	1	47	34	118	.1	20	19	1385	5.80	21	5	ND	1	16	1	2	2	77	.22	.103	8	25	.71	100	.04	2	2.78	.01	.04	1	5
JS 1400N 400W	1	93	19	105	.2	27	17	1202	5.28	13	5	ND	1	28	1	2	2	107	.42	.146	12	31	1.25	103	.10	5	2.99	.01	.09	1	6
JS 1400N 375W	1	83	22	90	.1	23	15	863	4.60	22	5	ND	1	37	1	2	2	85	.42	.123	10	25	1.07	112	.08	2	2.53	.01	.08	1	6
JS 1400N 350W	1	90	12	90	.1	23	15	885	4.67	19	5	ND	1	40	1	2	2	87	.45	.130	10	25	1.10	114	.08	3	2.56	.01	.08	1	10
JS 1400N 325W	1	73	18	95	.2	22	15	978	5.29	16	5	ND	1	26	1	2	2	99	.36	.110	10	30	1.26	128	.12	2	2.62	.03	.03	1	8
JS 1400N 300W	1	74	26	111	.2	19	17	1373	6.36	19	5	ND	1	14	1	2	2	103	.19	.150	16	33	1.00	76	.16	3	3.47	.02	.10	1	1
JS 1400N 275W	2	41	19	84	.1	14	8	669	4.96	16	5	ND	1	12	1	2	2	89	.15	.076	14	29	.68	67	.11	2	3.28	.02	.05	1	8
JS 1400N 250W	3	58	24	113	.1	17	11	753	5.52	17	5	ND	2	10	1	2	2	87	.17	.116	24	31	.92	45	.15	2	3.99	.03	.10	1	7
JS 1400N 225W	1	69	24	93	.1	22	18	1493	5.62	18	5	ND	1	20	1	2	2	96	.33	.109	9	29	1.15	192	.07	2	3.00	.01	.07	1	7
JS 1400N 200W	4	142	27	207	.3	26	23	1126	6.24	39	5	ND	1	26	1	2	2	94	.40	.125	26	35	1.04	84	.12	2	3.64	.01	.07	1	22
JS 1400N 175W	1	96	19	98	.2	21	16	856	5.00	23	5	ND	1	27	1	3	2	103	.47	.146	12	29	1.21	101	.10	12	2.75	.01	.09	1	11
JS 1400N 150W	1	36	16	87	.2	8	9	885	4.96	9	5	ND	1	14	1	2	2	114	.14	.090	6	23	.33	60	.11	4	2.28	.01	.04	1	8
JS 1400N 125W	1	45	17	102	.2	14	13	1104	5.72	8	5	ND	1	22	1	2	2	138	.19	.079	5	24	.91	70	.17	2	2.48	.01	.06	1	4
JS 1400N 075W	1	90	20	120	.2	11	11	730	5.70	9	5	ND	1	35	1	2	2	107	.33	.065	13	20	1.05	39	.15	4	3.39	.01	.06	2	4
JS 1400N 050W	1	131	20	123	.1	33	25	1051	6.10	19	5	ND	1	34	1	3	2	116	.62	.168	11	33	1.71	76	.13	5	2.85	.01	.15	1	6
JS 1400N 025W	1	177	23	138	.2	30	22	1059	5.65	22	5	ND	1	34	1	3	2	84	.50	.140	14	26	1.27	98	.08	3	2.20	.01	.10	1	11
JS 1400N 00	1	136	36	133	.1	28	22	992	5.56	18	5	ND	1	24	1	2	2	83	.36	.105	12	26	1.11	69	.08	3	2.60	.01	.05	1	8
JS 1400N 00 (A)	1	109	20	106	.1	19	15	891	5.38	31	5	ND	1	16	1	3	2	93	.23	.104	8	28	.86	68	.05	2	2.72	.01	.05	1	7
STD C/AU-S	18	60	42	133	7.1	69	29	997	4.19	38	16	6	37	45	17	14	19	55	.48	.088	35	53	.89	174	.06	33	2.01	.06	.14	12	49

Au, Ag, As
Zn, Pb
± Mo

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	Co PPM	Ni PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
JS 1300N 675W	4	51	13	109	.1	15	10	908	5.02	27	5	ND	1	6	1	2	2	93	.06	.077	9	24	.82	62	.05	4	3.48	.01	.06	1	4
JS 1300N 650W	2	59	12	119	.1	14	13	1269	5.26	22	5	ND	1	18	1	2	2	75	.22	.098	13	18	1.71	218	.03	11	2.88	.01	.24	1	4
JS 1300N 625W	1	72	13	101	.4	18	13	2019	5.58	22	5	ND	1	133	1	4	2	76	1.90	.130	13	21	2.18	175	.04	6	2.28	.01	.20	1	8
JS 1300N 600W	1	38	17	105	.2	11	11	1204	5.54	9	5	ND	1	20	1	2	2	90	.20	.104	8	15	.37	122	.10	2	2.16	.01	.05	1	4
JS 1300N 575W	1	39	21	150	.2	31	20	1500	5.92	29	5	ND	1	29	1	3	2	61	.48	.155	19	21	.81	135	.05	2	2.05	.01	.11	1	9
JS 1300N 550W	2	54	17	196	.1	20	21	2221	6.38	20	5	ND	1	26	1	2	2	86	.35	.114	16	25	.92	115	.10	7	3.51	.01	.06	1	4
JS 1300N 525W	2	48	29	180	.2	19	25	2168	6.12	18	5	ND	1	26	1	3	2	79	.33	.121	15	24	.81	119	.09	5	3.15	.01	.06	1	5
JS 1300N 500W	7	54	18	104	.3	19	20	4702	6.13	81	5	ND	1	79	1	6	2	56	1.08	.237	20	15	1.59	102	.01	7	3.34	.01	.09	3	2
JS 1300N 475W	2	64	20	138	.1	24	17	1320	6.02	23	5	ND	1	20	1	2	2	50	.30	.110	13	22	1.32	112	.03	4	2.60	.01	.07	1	2
JS 1300N 450W	1	56	26	130	.1	23	20	1507	6.09	20	5	ND	1	35	1	4	2	102	.37	.103	9	30	1.20	155	.06	4	3.42	.01	.08	2	7
JS 1300N 425W	4	41	19	102	.1	9	10	900	6.36	16	5	ND	1	6	1	2	2	43	.07	.082	25	19	.35	46	.08	7	4.65	.04	.06	1	5
JS 1300N 400W	1	55	17	125	.1	20	15	1108	6.07	16	5	ND	1	19	1	2	2	126	.19	.079	8	35	.90	141	.09	5	3.16	.01	.06	1	5
JS 1300N 375W	1	72	12	102	.1	21	14	980	5.45	16	5	ND	1	55	1	2	2	114	.24	.080	7	30	1.09	127	.13	2	3.12	.01	.07	1	5
JS 1300N 350W	1	74	14	111	.1	23	17	931	5.45	15	5	ND	1	22	1	2	2	110	.34	.120	8	31	1.17	90	.08	5	3.38	.01	.08	1	7
JS 1300N 325W	1	107	14	118	.1	29	19	997	5.34	22	5	ND	1	29	1	6	2	106	.52	.148	11	33	1.33	116	.10	3	2.94	.02	.12	1	9
JS 1300N 300W	1	31	17	113	.1	14	11	820	5.31	12	5	ND	1	15	1	2	2	114	.28	.068	7	35	.81	108	.10	2	2.62	.01	.06	2	3
JS 1300N 275W	1	90	18	142	.1	23	18	1342	5.88	24	5	ND	1	16	1	2	2	105	.28	.138	19	35	1.22	74	.11	4	3.25	.01	.11	1	11
JS 1300N 225W	1	91	16	174	.2	21	18	1271	6.87	34	5	ND	2	33	1	2	2	128	.54	.168	20	35	1.37	85	.23	14	3.78	.93	.14	1	8
JS 1300N 200W	1	142	12	157	.1	7	19	1255	7.72	9	5	ND	1	55	1	2	2	153	.84	.193	14	18	1.74	40	.21	14	4.29	.03	.71	1	1
JS 1300N 175W	3	31	17	158	.1	15	22	1746	7.63	51	5	ND	1	22	1	3	2	98	.31	.129	19	27	.91	89	.05	4	3.51	.01	.08	1	1
JS 1300N 150W	1	128	23	166	.1	20	19	1286	6.29	388	7	ND	1	48	1	2	2	105	.84	.131	23	27	1.20	86	.12	2	3.04	.02	.13	1	5
JS 1300N 125W	1	129	20	144	.1	19	22	1262	6.19	24	5	ND	1	47	1	3	2	131	.70	.133	21	25	1.52	55	.15	3	3.55	.01	.12	3	1
JS 1300N 100W	2	85	31	114	.2	15	25	1405	4.75	17	5	ND	1	23	1	3	2	107	.27	.107	11	22	.84	91	.07	3	3.00	.01	.06	1	8
JS 1300N 075W	5	70	26	163	.1	16	26	1593	5.48	21	5	ND	1	33	1	2	2	110	.42	.133	16	26	.86	67	.13	6	3.45	.01	.05	2	9
JS 1300N 050W	3	132	20	147	.1	16	17	980	5.70	21	5	ND	1	51	1	2	2	109	.71	.090	16	25	1.16	52	.16	2	3.49	.01	.08	1	4
JS 1300N 025W	1	100	28	167	.1	19	21	1122	5.48	11	5	ND	1	42	1	2	2	104	.59	.114	14	26	1.23	60	.14	2	3.01	.02	.07	1	15
JS 1300N 00	1	136	19	125	.1	11	15	804	5.26	5	5	ND	2	59	1	3	2	133	1.26	.148	21	17	1.35	60	.21	2	3.55	.01	.20	2	1
JS 1200N 700W	7	98	37	133	.2	15	24	2938	7.10	35	5	ND	1	17	1	4	2	53	.14	.095	21	17	2.14	166	.03	3	3.64	.01	.08	1	1
JS 1200N 675W	3	38	20	73	.1	10	17	1502	5.24	16	5	ND	1	11	1	2	2	66	.11	.094	11	21	.55	64	.14	2	3.60	.02	.06	3	4
JS 1200N 650W	1	93	17	116	.1	26	15	1041	4.95	21	5	ND	1	21	1	2	2	91	.33	.138	13	26	1.07	127	.09	3	2.30	.02	.13	1	4
JS 1200N 625W	1	107	16	134	.1	29	18	1113	5.37	25	5	ND	1	19	1	2	2	94	.27	.129	17	31	1.18	136	.09	5	2.68	.03	.16	2	15
JS 1200N 600W	1	85	28	129	.1	29	20	1138	5.34	26	5	ND	1	19	1	2	2	91	.33	.133	21	32	1.04	96	.06	3	2.76	.01	.08	2	8
JS 1200N 575W	1	62	19	108	.1	27	16	1041	5.62	24	5	ND	1	18	1	2	2	97	.31	.101	11	29	1.06	88	.07	6	3.00	.01	.08	1	6
JS 1200N 550W	1	105	19	103	.1	27	15	1010	4.85	26	5	ND	1	31	1	2	2	92	.50	.159	13	29	1.08	212	.08	2	2.01	.02	.11	2	7
JS 1200N 525W	1	103	22	123	.1	26	17	1039	5.16	22	5	ND	1	27	1	2	2	100	.39	.136	15	32	1.21	148	.10	14	2.55	.03	.16	1	10
JS 1300N 300W	1	56	18	131	.2	16	11	746	5.21	16	5	ND	1	13	1	2	2	102	.11	.088	9	32	.77	100	.05	2	3.49	.01	.07	2	2
STD C/AU-S	18	57	42	132	7.1	67	28	976	4.10	39	20	7	36	48	17	15	17	55	.48	.086	35	53	.89	173	.06	32	1.97	.06	.14	12	51

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	Co PPM	Ni PPM	Fe %	As PPM	U PPM	Au PPM	Tl PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Ce PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Mo %	K %	W PPM	Au* PPB
JS 1200N 475W	1	88	30	174	.1	28	24	1275	6.40	27	5	ND	1	27	1	3	2	121	.29	.128	13	37	1.37	121	.10	2	3.85	.01	.10	3	9
JS 1200N 450W	1	57	24	122	.2	17	12	728	5.04	15	5	ND	1	33	1	2	2	114	.26	.103	7	33	1.09	98	.10	4	2.31	.03	.09	2	3
JS 1200N 425W	5	24	18	96	.3	4	2	419	6.30	14	5	ND	2	5	1	2	2	22	.07	.090	33	11	.09	29	.12	3	5.44	.04	.06	1	6
JS 1200N 400W	1	34	18	85	.7	9	19	1834	5.05	9	5	ND	1	22	1	2	2	121	.24	.091	10	28	.52	61	.27	8	1.22	.03	.07	3	8
JS 1200N 375W	1	76	28	89	.2	24	16	919	4.86	19	5	ND	1	23	1	2	2	112	.40	.114	9	36	1.29	77	.12	5	3.20	.01	.08	1	18
JS 1200N 350W	1	78	23	127	.2	20	16	1015	5.99	19	5	ND	2	36	1	2	2	104	.50	.138	22	28	1.32	74	.22	6	3.23	.09	.15	3	11
JS 1200W 325W	2	85	32	112	.3	18	15	910	5.90	18	5	ND	2	29	1	2	2	115	.38	.164	17	30	1.29	68	.19	9	3.41	.03	.12	3	9
JS 1200W 300W	1	109	20	109	.1	14	17	1249	5.11	16	5	ND	1	38	1	2	2	122	.43	.095	17	25	1.59	73	.15	2	3.63	.01	.10	2	9
JS 1200W 275W	1	79	44	147	.2	12	18	3007	6.65	17	5	ND	1	31	1	2	3	107	.52	.171	15	26	1.56	516	.13	6	3.90	.02	.10	4	5
JS 1200W 250W	3	60	31	164	.1	18	13	1374	6.44	19	5	ND	5	28	1	2	2	75	.33	.099	46	25	.98	145	.18	2	3.78	.05	.11	1	9
JS 1200W 225W	1	62	15	88	.1	14	13	744	4.63	24	5	ND	1	70	1	2	2	63	.66	.156	14	19	.94	90	.10	3	1.83	.01	.06	1	7
JS 1200W 200W	1	70	13	101	.2	14	15	802	5.18	33	5	ND	1	65	1	2	2	92	.81	.155	14	22	1.26	71	.14	2	2.12	.03	.09	1	5
JS 1200N 175W	2	98	25	130	.3	14	18	981	5.83	60	5	ND	1	66	1	2	2	110	.85	.154	18	24	1.39	96	.13	5	2.39	.01	.11	1	8
JS 1200N 150W	1	57	15	86	.1	13	12	608	4.70	23	5	ND	1	52	1	2	2	66	.55	.135	13	18	.97	67	.09	2	1.84	.01	.06	1	2
JS 1200N 125W	1	153	16	117	.4	14	21	1091	6.59	21	5	ND	1	69	1	2	2	160	.98	.192	16	29	1.70	86	.20	5	3.09	.01	.12	2	9
JS 1200N 075W	1	115	20	149	.3	13	19	1335	8.30	9	5	ND	2	42	1	2	2	208	.55	.151	25	21	2.24	96	.24	2	3.99	.02	.39	1	3
JS 1200N 050W	1	119	23	106	.3	18	21	1033	6.22	21	5	ND	1	70	1	2	2	146	.97	.204	18	33	1.66	102	.19	5	2.99	.02	.13	2	16
JS 1200N 025W	1	95	30	124	.2	16	23	999	5.67	29	5	ND	1	53	1	2	2	131	.68	.159	13	29	1.33	67	.20	2	3.04	.02	.11	1	9
JS 1200N 00	1	152	28	123	.2	19	24	1284	5.95	36	5	ND	1	54	1	2	2	131	.93	.199	19	28	1.42	82	.15	3	2.56	.01	.14	1	17
JS 1100N 675W	25	68	51	157	.7	27	42	2410	7.28	51	5	ND	1	58	1	2	2	23	2.42	.093	23	17	1.52	100	.01	8	2.34	.01	.07	1	8
JS 1100N 650W	5	66	42	202	.4	44	21	2799	6.80	40	5	ND	2	30	1	2	2	24	.35	.118	22	17	1.02	411	.01	2	1.92	.01	.08	1	5
JS 1100N 625W	1	87	24	154	.3	27	19	1119	6.07	70	5	ND	1	28	1	3	2	108	.34	.118	19	32	1.24	114	.13	4	3.11	.03	.11	1	11
JS 1100N 600W	1	109	20	138	.3	29	22	1487	5.83	26	5	ND	1	36	1	2	2	97	.44	.136	24	32	1.33	198	.09	3	2.79	.01	.14	2	9
JS 1100N 575W	1	96	28	143	.1	26	21	1220	6.12	32	5	ND	1	24	1	2	2	94	.32	.165	15	27	1.19	84	.11	3	2.99	.04	.17	1	14
JS 1100N 550W	1	132	28	139	.3	28	21	1275	5.85	27	5	ND	1	30	1	2	2	108	.43	.143	15	29	1.29	178	.09	20	2.62	.02	.12	1	15
JS 1100N 525W	3	58	21	129	.1	20	14	992	6.00	20	5	ND	1	15	1	2	2	77	.16	.143	26	26	.94	70	.11	4	3.40	.03	.08	1	9
JS 1100N 500W	1	85	26	155	.1	28	21	1366	5.51	26	5	ND	1	20	1	2	2	100	.31	.135	21	34	1.27	100	.08	4	3.17	.01	.10	3	13
JS 1100N 475W	1	47	23	91	.2	14	9	561	4.51	17	5	ND	1	12	1	2	2	99	.12	.079	11	28	.78	87	.07	4	3.08	.01	.07	1	1
JS 1100N 450W	1	89	25	137	.3	24	15	750	5.71	22	5	ND	2	39	1	2	2	110	.55	.154	20	37	1.35	102	.22	4	3.33	.04	.14	1	7
JS 1100N 425W	1	140	30	147	.4	26	21	1285	6.21	27	5	ND	1	29	1	2	2	127	.45	.178	16	36	1.55	138	.15	6	3.30	.02	.20	1	10
JS 1100N 400W	1	49	21	98	.2	17	11	610	5.04	11	5	ND	1	18	1	2	2	121	.36	.069	12	38	1.29	84	.18	12	3.29	.02	.11	3	1
JS 1100N 375W	1	94	29	137	.4	26	20	1339	5.28	22	5	ND	1	20	1	2	2	105	.32	.125	15	36	1.24	64	.11	9	3.42	.01	.08	2	13
JS 1100N 350W	1	76	26	121	.1	14	18	1633	5.90	25	5	ND	1	37	1	2	2	99	.57	.155	12	22	1.54	159	.11	7	2.94	.01	.09	2	14
JS 1100N 325W	1	68	30	96	.4	16	15	940	5.93	21	5	ND	1	30	1	2	2	114	.36	.112	12	29	1.20	100	.10	10	3.59	.01	.08	2	5
JS 1100N 275W	1	78	15	112	.3	17	19	1120	6.03	30	5	ND	1	69	1	2	2	88	.73	.160	16	24	1.33	127	.14	2	2.54	.04	.11	1	8
JS 1100N 225W	1	60	16	110	.2	15	18	891	5.69	25	5	ND	1	66	1	2	2	79	.75	.140	14	20	1.37	162	.15	3	2.26	.07	.09	1	7
STD C/AU-5	17	58	40	132	6.6	69	29	959	4.09	39	18	7	37	47	17	13	23	55	.48	.088	36	52	.89	173	.06	34	1.96	.06	.14	13	51

Granges Exploration Ltd. PROJECT 134 JNUK RIVER FILE # 89-3735

SAMPLE	Mo	Cu	Pb	Zn	Ag	Bi	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Tl	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM	PPM	
JS 1100N 200W	1	72	17	104	.2	17	17	882	5.53	24	5	ND	1	75	1	2	2	78	.85	.136	12	21	1.44	97	.19	3	2.06	.09	.12	1	8
JS 1100N 175W	1	83	16	113	.1	19	18	960	5.79	21	5	ND	1	65	1	2	2	90	.75	.138	12	24	1.52	76	.18	2	2.11	.06	.11	1	4
JS 1100N 150W	2	80	15	109	.2	17	15	708	5.08	22	5	ND	1	56	1	2	2	58	.56	.131	13	18	1.11	68	.10	2	1.81	.04	.07	1	6
JS 1100N 125W	3	101	18	124	.2	21	18	836	5.31	23	5	ND	1	55	1	2	2	54	.52	.141	11	19	1.08	76	.07	2	1.74	.03	.07	1	4
JS 1100N 100W	3	102	19	123	.1	22	18	791	5.48	19	5	ND	3	50	1	2	2	56	.49	.138	11	21	1.11	77	.07	2	1.77	.02	.07	1	8
JS 1100N 075W	1	92	12	118	.2	19	16	728	5.16	15	5	ND	1	51	1	2	2	56	.56	.137	11	19	1.11	75	.09	2	1.77	.04	.08	1	8
JS 1100N 050W	2	77	17	105	.2	16	13	642	4.67	23	5	ND	1	49	1	2	2	50	.53	.135	11	16	.98	65	.07	2	1.62	.02	.06	1	5
JS 1100N 025W	3	100	19	123	.2	22	17	784	5.48	23	5	ND	1	56	1	2	2	54	.49	.124	12	22	1.10	132	.05	2	2.17	.01	.13	1	8
JS 1100N 00	3	105	19	128	.1	22	18	789	5.53	36	5	ND	1	53	1	2	2	55	.47	.124	12	22	1.11	126	.05	6	2.14	.01	.13	1	14
JS 1000N 600W	4	81	32	195	.2	44	51	2958	8.23	29	5	ND	1	21	1	2	2	50	.29	.143	37	29	1.43	325	.03	1	3.36	.01	.07	1	2
JS 1000N 575W	2	63	29	201	.2	30	23	761	7.53	22	5	ND	1	13	1	3	2	28	.25	.111	17	20	1.23	121	.01	2	2.28	.01	.04	1	5
JS 1000N 550W	2	48	29	145	.2	24	20	736	7.08	20	5	ND	1	79	1	2	2	23	2.87	.127	14	23	1.42	85	.01	2	1.99	.01	.04	1	2
JS 1000N 525W	2	44	23	106	.2	11	14	1561	6.31	23	5	ND	1	12	1	2	2	91	.08	.121	10	25	1.07	127	.02	2	3.16	.01	.05	2	8
JS 1000N 500W	1	76	38	119	.2	27	17	1076	5.17	24	5	ND	1	16	1	2	2	110	.21	.105	8	37	1.18	107	.05	4	3.24	.01	.08	4	13
JS 1000N 475W	1	90	21	111	.2	20	17	1038	6.25	18	5	ND	1	22	1	2	2	136	.20	.081	7	37	1.14	121	.09	6	3.13	.01	.07	1	5
JS 1000N 450W	1	38	15	95	.2	14	14	1058	5.56	11	5	ND	1	18	1	2	2	128	.13	.089	8	27	.49	91	.13	4	2.45	.01	.06	2	8
JS 1000N 425W	1	107	22	135	.2	22	20	1398	5.74	18	5	ND	1	47	1	2	2	123	.71	.161	9	31	1.75	88	.13	4	2.91	.01	.15	1	9
JS 1000N 400W	1	91	20	103	.1	16	18	1062	5.40	27	5	ND	1	71	1	2	2	115	.69	.159	11	27	1.54	109	.14	3	2.59	.01	.11	1	6
JS 1000N 375W	2	68	21	110	.3	17	15	1140	5.33	13	5	ND	1	49	1	2	2	91	.48	.130	16	28	1.12	145	.13	2	2.74	.02	.09	1	5
JS 1000N 350W	1	83	15	113	.2	18	16	1098	5.21	13	5	ND	1	67	1	2	2	68	.61	.142	15	23	1.11	105	.10	4	2.09	.02	.09	1	4
JS 1000N 325W	1	65	17	99	.2	16	15	869	5.15	24	5	ND	1	73	1	2	2	66	.71	.148	13	21	1.15	102	.13	10	2.00	.05	.10	2	6
JS 1000N 300W	1	65	15	93	.2	18	15	959	5.05	23	5	ND	1	65	1	2	2	59	.54	.138	13	23	1.08	155	.09	3	2.15	.03	.15	1	6
JS 1000N 275W	1	64	23	94	.3	18	14	922	5.05	22	5	ND	1	67	1	2	2	60	.55	.142	13	23	1.09	152	.08	3	2.13	.03	.14	1	9
JS 1000N 250W	1	58	17	98	.2	15	14	724	4.74	21	5	ND	1	64	1	2	2	58	.62	.145	13	20	1.03	97	.10	2	1.77	.03	.07	1	6
JS 1000N 225W	1	57	11	89	.2	16	14	770	5.03	19	5	ND	1	81	1	2	2	59	.66	.141	12	21	1.14	122	.12	2	1.98	.05	.10	1	7
JS 1000N 200W	3	95	16	110	.2	22	17	809	5.44	21	5	ND	1	61	1	2	2	57	.56	.148	12	20	1.11	84	.08	2	1.78	.03	.08	1	6
JS 1000N 175W	1	62	14	94	.3	16	15	794	5.11	32	5	ND	1	86	1	2	2	56	.84	.150	13	22	1.04	123	.10	2	1.91	.02	.07	1	3
JS 1000N 150W	1	56	15	95	.3	17	13	719	4.91	29	5	ND	1	76	1	1	2	57	.65	.163	13	20	.96	93	.09	6	1.75	.02	.06	1	18
JS 1000N 125W	1	63	18	92	.2	18	14	853	4.95	29	5	ND	1	91	1	2	2	55	.68	.149	12	24	.99	181	.08	13	2.14	.03	.17	1	9
JS 1000N 100W	1	43	11	73	.2	17	11	736	4.33	16	5	ND	1	63	1	2	2	47	.55	.137	11	21	.90	93	.09	3	1.71	.02	.06	1	4
JS 1000N 075W	1	64	16	97	.3	21	14	902	5.10	26	5	ND	1	104	1	2	2	54	.80	.132	12	29	1.01	214	.06	17	2.31	.03	.21	1	7
JS 1000N 050W	1	61	20	97	.3	20	14	805	4.78	28	5	ND	2	76	1	2	2	54	.56	.145	13	27	.95	150	.07	10	1.98	.03	.14	1	5
JS 1000N 025W	1	70	16	98	.2	18	16	903	5.23	33	5	ND	1	81	1	2	2	61	.62	.144	13	23	1.05	182	.07	5	2.24	.03	.18	1	7
JS 1000N 00	1	58	16	95	.2	18	14	753	5.00	26	5	ND	1	73	1	2	2	57	.60	.144	12	24	1.02	149	.08	11	2.06	.02	.14	1	6
S-69-25	1	79	10	86	.2	33	20	813	6.04	7	5	ND	1	28	1	3	2	166	.67	.109	6	73	2.70	85	.23	3	2.83	.02	.15	1	4
JSS 1000N 200W	2	85	12	112	.2	19	15	641	4.86	19	5	ND	1	55	1	2	2	52	.55	.140	12	19	1.03	64	.07	19	1.72	.03	.07	1	1
STD C/AU-S	17	58	42	132	6.5	67	30	974	4.08	42	21	6	37	48	17	15	22	56	.48	.091	37	56	.96	174	.07	33	1.96	.06	.14	12	48

GEOCHEMICAL/ASSAY CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 1ML 1-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1-P8 SOIL P9-P10 ROCK AU** BY FIRE ASSAY FROM 1/2 A.T.

DATE RECEIVED: SEP 18 1989 DATE REPORT MAILED: *Sept 27/89* SIGNED BY: *C. Long* D. TOYS, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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SAMPLE#	No PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	AU PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	I %	W PPM	AU** G/T
AP ZONE TRENCH 9 1	3	261	2192	6324	11.5	5	7	593	9.92	637	5	ND	1	27	20	46	2	6	1.55	.079	3	14	.56	11	.01	4	.33	.01	.18	5	.78
AP ZONE TRENCH 9 2	3	764	5552	6172	17.8	5	13	395	10.44	22544	5	ND	1	19	19	149	2	8	1.12	.074	3	12	.41	11	.01	2	.29	.01	.15	3	2.20
AP ZONE TRENCH 9 3	4	579	6484	4509	17.1	5	4	1156	8.40	973	5	ND	1	37	14	95	4	5	2.98	.026	2	13	1.25	17	.01	2	.24	.01	.12	2	.85
AP ZONE TRENCH 9 4	2	452	3481	12334	19.1	2	4	1417	7.66	19286	5	ND	1	33	33	77	2	3	2.69	.031	2	22	.93	16	.01	2	.21	.01	.11	1	2.98
AP ZONE TRENCH 9 5	2	134	7331	11055	18.7	3	7	2097	9.59	37377	5	3	1	44	29	106	2	4	3.39	.052	2	14	1.13	18	.01	2	.22	.01	.13	1	5.38
AP ZONE TRENCH 9 6	4	153	5472	13428	13.3	5	5	794	7.91	39124	5	ND	1	19	35	102	2	2	1.36	.036	3	9	.43	18	.01	5	.21	.01	.12	1	2.66
AP ZONE TRENCH 9 7	3	47	202	233	1.7	4	3	1013	3.04	770	5	ND	1	28	1	11	2	1	1.36	.021	4	7	.42	41	.01	2	.22	.01	.12	1	.10
AP ZONE TRENCH 9 8	2	25	219	368	.9	7	2	664	2.31	383	5	ND	1	18	1	6	2	1	.68	.012	6	29	.24	42	.01	2	.23	.01	.15	1	.11
AP ZONE TRENCH 9 9	3	21	56	138	.8	4	3	790	3.30	263	5	ND	1	15	1	5	2	1	.73	.021	5	4	.26	26	.01	2	.24	.01	.15	1	.10
AP ZONE TRENCH 9 10	4	18	85	138	.6	7	3	1051	3.39	407	5	ND	1	23	1	5	2	1	1.23	.024	5	3	.46	39	.01	13	.27	.01	.16	1	.14
AP ZONE TRENCH 10 1	4	9	317	47	2.7	5	1	60	2.63	1821	8	ND	3	3	1	17	2	1	.05	.006	17	1	.02	34	.01	2	.15	.01	.13	1	.39
AP ZONE TRENCH 10 2	3	11	314	602	2.5	3	1	26	3.48	6132	5	ND	3	3	2	24	2	1	.01	.008	16	22	.01	20	.01	2	.15	.01	.14	1	.78
AP ZONE TRENCH 10 3	4	5	46	22	.4	4	1	24	2.10	426	5	ND	3	3	1	4	2	3	.01	.009	19	1	.01	49	.01	4	.17	.01	.14	1	.15
AP ZONE TRENCH 10 4	4	9	23	40	.4	4	1	69	2.45	376	5	ND	4	2	1	5	2	1	.01	.010	21	2	.02	101	.01	4	.23	.01	.15	1	.24
AP ZONE TRENCH 10 5	4	7	261	248	1.0	4	1	401	2.38	586	5	ND	4	5	1	6	2	1	.14	.010	21	3	.15	71	.01	4	.38	.01	.17	1	.18
AP ZONE TRENCH 10 6	3	4	113	74	.5	2	1	550	2.84	1031	5	ND	3	12	1	12	3	1	.28	.011	20	17	.24	58	.01	7	.39	.01	.17	1	.47
AP ZONE TRENCH 10 7	3	13	98	322	.4	3	1	634	2.91	368	5	ND	3	4	1	7	2	1	.10	.012	20	3	.24	64	.01	2	.47	.01	.16	1	.17
AP ZONE TRENCH 10 8	3	14	87	416	.9	4	1	749	3.02	448	5	ND	1	9	2	6	2	1	.17	.010	18	3	.23	48	.01	7	.33	.01	.14	1	.17
AP ZONE TRENCH 10 9	4	92	3702	2644	18.8	5	1	128	4.29	445	5	ND	2	4	9	11	2	1	.05	.008	13	2	.05	26	.01	2	.27	.01	.15	1	5.30
AP ZONE TRENCH 10 10	3	381	12219	5108	32.0	2	1	37	5.56	10428	5	29	1	2	14	71	2	1	.01	.006	10	19	.01	14	.01	2	.14	.01	.10	7	58.59
AP ZONE TRENCH 10 11	4	264	5511	1594	9.9	5	1	28	3.90	7295	5	ND	2	3	5	45	2	1	.01	.005	12	1	.01	21	.01	2	.15	.01	.13	1	2.57
AP ZONE TRENCH 10 12	4	44	2469	181	6.7	4	1	40	3.34	1010	5	ND	3	3	1	8	2	1	.01	.008	18	1	.01	45	.01	2	.16	.01	.16	1	.79
AP ZONE TRENCH 10 13	4	27	8231	172	16.5	4	1	22	3.68	9020	5	ND	2	4	1	45	2	1	.01	.005	15	1	.01	26	.01	3	.15	.01	.15	1	3.11
AP ZONE TRENCH 10 14	3	29	989	224	3.8	3	1	42	2.67	6098	5	ND	3	3	1	29	2	1	.01	.006	16	26	.01	42	.01	7	.14	.01	.14	1	2.21
AP ZONE TRENCH 10 15	3	13	197	72	1.8	4	1	22	1.71	2491	5	ND	1	5	1	10	2	1	.01	.006	11	1	.01	123	.01	4	.23	.01	.18	1	.48
AP ZONE TRENCH 10 16	4	9	93	88	.7	4	2	344	2.56	494	5	ND	2	8	1	4	2	1	.22	.008	15	2	.01	38	.01	13	.17	.01	.13	1	.29
AP ZONE TRENCH 10 17	7	9	507	51	1.5	4	1	53	2.48	1888	7	ND	3	3	1	10	2	1	.01	.008	18	2	.01	43	.01	3	.20	.01	.14	1	.45
AP ZONE TRENCH 10 18	3	27	28	50	.4	3	1	805	1.62	260	5	ND	3	29	1	5	2	1	1.08	.009	18	20	.01	50	.01	2	.23	.01	.17	2	.06
AP ZONE TRENCH 10 19	4	7	33	68	.3	4	1	322	2.29	1128	5	ND	3	13	1	12	2	1	.31	.008	18	2	.01	53	.01	2	.24	.01	.17	1	.46
AP ZONE TRENCH 10 20	4	14	397	168	1.5	4	1	148	2.37	1096	5	ND	3	10	1	6	2	1	.14	.010	16	2	.01	51	.01	11	.19	.01	.15	1	.28
AP ZONE TRENCH 10 21	4	11	471	79	5.2	3	1	25	1.74	467	5	ND	1	7	1	8	3	2	.01	.010	13	2	.02	217	.01	2	.28	.01	.23	1	.21
AP ZONE TRENCH 10 22	4	10	15	119	.4	2	1	593	2.78	39	5	ND	2	22	1	2	2	1	.47	.010	16	25	.20	51	.01	7	.50	.01	.19	1	.01
AP ZONE TRENCH 10 23	3	4	10	122	.2	4	2	749	2.34	37	5	ND	2	27	1	2	2	1	.54	.011	20	3	.15	99	.01	3	.63	.01	.22	1	.02
AP ZONE TRENCH 10 24	4	4	9	197	.1	4	1	815	2.11	15	5	ND	2	39	1	2	2	1	.91	.010	16	4	.17	43	.01	2	.51	.01	.20	1	.02
AP ZONE TRENCH 10 25	5	5	30	56	.2	6	1	669	2.58	31	5	ND	2	22	1	2	2	1	.46	.009	15	5	.16	54	.01	2	.66	.01	.22	1	.03
AP ZONE TRENCH 10 26	4	5	9	32	.1	4	1	670	2.41	15	5	ND	3	25	1	2	2	1	.54	.009	21	25	.15	72	.01	3	.67	.01	.23	1	.01
STD C	18	56	43	133	7.1	69	29	995	4.12	29	18	7	36	47	17	15	21	55	.48	.087	36	55	.89	174	.37	32	1.96	.06	.14	12	-

Granges Exploration Ltd. PROJECT 13, UNUK RIVER FILE # 89-3735

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	AU	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Tl	B	Al	Na	K	V	AU**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	%	PPM	GM/2
R-40-26	4	54	224	6283	3.9	1	6	5915	6.76	75	5	ND	1	172	21	21	2	5	11.49	.004	6	10	5.33	34	.01	2	.11	.01	.54	3	.04
R-40-27	1	78	1971	4317	11.1	1	3	8160	12.71	214	5	ND	1	91	13	104	2	1	10.42	.003	4	15	6.43	11	.01	2	.05	.01	.51	3	.09
R-40-28	1	63	75	1179	1.3	2	3	6297	4.79	65	5	ND	1	122	3	3	2	1	10.73	.005	8	20	3.53	32	.01	2	.13	.01	.55	1	.02
R-40-29	1	86	1941	14734	6.4	1	6	8573	9.34	208	5	ND	1	70	54	2	3	1	11.90	.004	6	11	6.51	20	.01	4	.11	.01	.52	1	.14
R-40-30	1	32	13	183	.3	7	7	875	3.94	3	5	ND	1	45	1	2	2	26	1.29	.044	6	12	.46	96	.01	3	1.10	.01	.16	1	.03
R-40-31	1	204	22035	6684	38.8	1	8	7475	8.26	156	5	ND	1	79	23	61	5	2	9.37	.004	3	11	5.60	14	.01	2	.06	.01	.02	3	.20
R-40-32	2	41	44	50	.2	6	9	2132	4.79	11	5	ND	1	61	1	3	2	41	3.37	.104	11	23	1.94	41	.01	2	.47	.01	.16	1	.02
R-40-33	5	13	1393	372	2.1	6	1	231	2.02	219	5	ND	2	5	2	2	2	1	.29	.006	10	5	.12	64	.01	3	.17	.01	.17	1	.13
R-40-34	1	6	25	70	.2	3	2	305	4.27	299	5	ND	1	3	1	2	2	2	.06	.022	6	4	.13	49	.01	2	.57	.01	.16	1	.12
R-40-35	4	35	658	175	1.1	4	1	308	2.59	12	5	ND	3	5	1	2	2	1	.13	.010	14	7	.35	68	.01	6	.55	.01	.11	1	.03
R-40-36	1	12	64	297	.8	4	2	881	1.99	51	5	ND	1	5	1	7	2	1	.72	.014	5	18	.36	29	.01	5	.32	.01	.19	1	.04
R-40-37	2	19	35	129	.1	4	1	759	1.72	3	5	ND	1	27	1	2	2	1	1.25	.015	8	4	.06	100	.01	12	.34	.01	.17	1	.05
R-40-38	7	3	39	69	.2	5	1	197	3.29	14	5	ND	1	2	1	2	3	1	.04	.009	9	4	.11	58	.01	14	.50	.01	.15	1	.07
C-R 135N 460W	8	23	61	224	1.2	10	5	26	3.91	1223	7	ND	1	4	1	36	2	2	.05	.023	3	3	.01	25	.01	3	.25	.01	.12	1	.04
C-R 225N 590W	1	60	10	115	.6	89	26	1658	6.39	801	5	ND	1	215	1	3	2	49	5.65	.241	14	60	2.23	34	.01	9	.49	.01	.23	1	.02
C-R 1470N 1475W	8	34	13	144	.8	30	13	1162	5.22	31	5	ND	1	158	1	2	2	18	5.90	.105	6	18	1.40	42	.01	5	.42	.01	.19	1	.10
C-R 105N 710W	5	2	10	39	.1	7	1	669	.97	4	5	ND	1	3	1	2	2	1	.03	.007	3	4	.01	36	.01	3	.07	.02	.02	1	.03
C-R 100N 520W	4	7	14	65	.1	7	1	156	1.74	3	5	ND	5	3	1	2	1	1	.01	.011	34	4	.01	33	.01	5	.27	.02	.25	1	.07
C-R 300S 750W	19	21	21	43	.3	34	10	203	4.28	55	5	ND	1	15	1	2	2	61	.20	.089	9	25	.49	27	.01	2	.58	.03	.03	2	.24
C-R 330S 715W	3	4	14	11	.2	7	1	84	.51	18	5	ND	4	4	1	2	2	1	.03	.006	16	5	.01	56	.01	18	.14	.05	.32	1	.05
C-R 375S 525W	8	7	14	39	.1	6	1	57	1.37	68	5	ND	3	5	1	2	2	2	.05	.010	17	19	.02	61	.01	4	.15	.03	.08	2	.03
C-R 375S 522W	4	3	17	23	.1	10	1	94	1.43	38	5	ND	4	4	1	2	2	1	.03	.014	17	5	.01	62	.01	18	.13	.02	.11	1	.01
C-R 378S 550W	5	4	11	9	.1	4	1	23	3.19	31	5	ND	4	3	1	2	2	1	.01	.005	17	2	.01	37	.01	4	.13	.04	.34	2	.05
C-R 3480S 6480W	6	5	22	30	.2	8	2	305	1.87	32	5	ND	3	37	1	2	2	1	.29	.008	18	5	.01	117	.01	2	.18	.04	.11	1	.06
C-R 425S 925W	4	11	10	23	.5	9	2	589	3.32	51	5	ND	1	262	1	2	2	3	4.18	.024	2	34	.63	38	.01	11	.18	.01	.09	1	.12
C-R 427S 925W	3	8	8	109	.4	8	2	746	1.98	32	5	ND	1	367	1	2	2	1	6.58	.018	2	8	.41	34	.01	14	.12	.01	.07	1	.03
C-R 450S 930W	4	34	44	139	1.2	19	9	647	5.04	1050	6	ND	1	105	1	16	2	5	1.91	.050	2	10	.60	21	.01	5	.18	.01	.10	1	.24
C-R 455S 930S	4	28	11	53	1.2	34	18	239	2.32	187	5	ND	1	73	1	3	2	6	1.15	.084	7	8	.37	64	.01	3	.32	.01	.17	1	.06
JR 1100N 255W	11	4	26	64	.2	3	10	485	5.16	5	5	ND	1	5	1	2	3	22	.12	.014	4	18	1.40	80	.08	2	2.01	.01	.11	1	.02
JR 1099N 652W	1	13	28	97	.2	2	3	162	9.02	7	5	ND	1	5	1	2	2	4	.07	.036	12	10	3.63	34	.01	4	3.46	.01	.08	1	.01
JR 1056N 024W	95	109	194	129	1.1	16	46	309	8.69	165	6	ND	2	12	4	21	4	22	.39	.142	5	10	.39	21	.09	3	1.14	.01	.15	1	.29
R-C 150N 600W	11	93	100	1263	62.7	27	8	66	14.22	7291	28	ND	1	5	3	75	3	6	.07	.009	2	6	.01	5	.01	5	.14	.01	.08	1	5.80
STD C	17	57	41	133	7.1	67	29	1019	1.09	40	19	6	36	47	17	15	23	57	.48	.091	38	36	.91	170	.07	34	1.92	.06	.14	12	

Assay Recommended for: - Pb, Zn > 1%
Ag > 20ppm.

GEOCHEMICAL/ASSAY CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK AU** BY FIRE ASSAY FROM 1/2 A.T.

DATE RECEIVED: SEP 27 1989 DATE REPORT MAILED: *Oct 4/89* SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B %	Al %	Na %	K %	W PPM	Au** GM/T
AP ZONE TRENCH-11 1	3	3	8	182	.5	2	3	2325	3.41	24	5	ND	1	34	1	2	2	6	4.30	.050	6	2	1.20	71	.01	3	.58	.01	.19	1	.08
AP ZONE TRENCH-11 2	3	3	8	67	.4	4	5	1228	3.58	12	5	ND	1	23	1	3	2	16	1.62	.077	7	5	1.10	41	.01	8	.89	.01	.18	1	.02
AP ZONE TRENCH-11 3	1	1	7	50	.5	4	6	1671	3.70	15	5	ND	1	33	1	2	2	15	2.42	.081	7	3	1.39	38	.01	9	.73	.01	.19	1	.14
AP ZONE TRENCH-11 4	3	4	7	51	.4	3	7	1949	4.00	17	5	ND	1	31	1	2	2	17	2.57	.092	6	2	1.36	53	.01	2	.81	.01	.22	1	.07
AP ZONE TRENCH-11 5	2	3	9	36	.5	4	5	2053	4.11	41	5	ND	1	35	1	3	2	15	2.97	.081	6	5	1.45	49	.01	4	.71	.01	.19	1	.13
AP ZONE TRENCH-11 6	3	6	11	28	.4	5	5	1705	3.19	18	5	ND	1	27	1	2	2	15	2.23	.086	8	6	.91	43	.01	11	.64	.01	.26	1	.19
AP ZONE TRENCH-11 7	3	6	14	30	.6	3	7	1861	3.68	31	5	ND	1	31	1	2	2	14	2.51	.081	7	2	1.25	49	.01	11	.65	.01	.19	1	.21
AP ZONE TRENCH-11 8	7	7	9	58	.7	3	8	2052	4.14	24	5	ND	1	38	1	2	2	18	3.00	.150	8	2	1.32	75	.01	2	.65	.01	.25	1	.18
AP ZONE TRENCH-11 9	1	1	6	66	.5	1	3	4991	5.76	186	5	ND	1	90	1	4	2	6	10.42	.051	6	1	3.38	27	.01	8	.23	.01	.13	1	.02
AP ZONE TRENCH-11 10	5	8	12	71	.8	4	7	2617	3.92	70	5	ND	1	54	1	2	2	10	3.53	.075	5	4	.94	54	.01	3	.37	.01	.21	1	.07
AP ZONE TRENCH-12 1	3	15	18	25	1.3	2	9	1973	4.50	41	5	ND	1	33	1	4	2	13	2.18	.076	6	1	1.17	34	.01	2	.39	.01	.21	1	.09
AP ZONE TRENCH-12 2	2	12	27	31	1.3	2	6	2313	4.54	89	5	ND	1	61	1	9	2	7	3.46	.059	5	1	1.55	20	.01	2	.31	.01	.19	1	.10
AP ZONE TRENCH-12 3	2	29	53	85	1.8	4	5	766	3.61	151	5	ND	1	22	1	3	2	1	.83	.051	5	5	.33	13	.01	12	.26	.01	.19	1	.14
AP ZONE TRENCH-12 4	2	21	38	48	1.6	2	11	1762	4.28	91	5	ND	1	39	1	3	2	15	1.93	.079	6	1	1.14	24	.01	6	.63	.01	.25	1	.17
AP ZONE TRENCH-12 5	2	49	196	418	4.2	3	14	1635	5.43	303	5	ND	1	54	1	9	2	15	1.80	.086	6	1	1.03	15	.01	12	.71	.01	.28	1	.18
AP ZONE TRENCH-12 6	2	1236	11945	43099	65.7	3	4	1260	14.04	60704	5	4	1	18	121	263	2	3	2.31	.027	2	10	.98	1	.01	3	.14	.01	.09	2	12.20
AP ZONE TRENCH-12 7	1	671	14254	44142	45.7	5	5	1123	14.85	64102	5	2	1	19	135	178	2	2	1.79	.031	2	8	.71	1	.01	2	.14	.01	.10	3	4.59
AP ZONE TRENCH-12 8	1	504	11457	15746	18.8	3	4	2173	8.03	15512	5	ND	1	72	48	71	2	4	6.54	.034	3	4	2.82	10	.01	16	.22	.01	.12	2	2.03
AP ZONE TRENCH-12 9	3	739	4254	5666	15.6	1	2	5445	5.66	3342	5	ND	1	162	19	88	2	10	10.34	.021	3	3	4.58	18	.01	2	.17	.01	.06	1	.54
AP ZONE TRENCH-12 10	5	425	13571	8784	45.0	3	4	1361	8.69	18868	5	ND	1	42	26	77	2	4	2.80	.050	3	1	1.18	11	.01	2	.25	.01	.16	3	3.01
AP ZONE TRENCH-12 11	4	80	562	1163	3.9	5	7	1317	5.19	2254	7	ND	2	39	3	15	2	4	2.06	.064	5	5	.83	9	.01	3	.30	.01	.22	4	.43
AP ZONE TRENCH-13 1	4	13	90	134	1.2	7	9	2161	4.59	126	5	ND	1	40	1	7	2	8	2.21	.097	9	4	.82	24	.01	4	.56	.01	.35	1	.04
AP ZONE TRENCH-13 2	3	9	29	106	.9	4	8	2038	4.29	85	5	ND	1	37	1	2	2	6	2.11	.089	9	1	.87	26	.01	12	.47	.01	.34	1	.02
AP ZONE TRENCH-13 3	3	5	27	105	1.4	4	8	1910	6.15	57	5	ND	2	44	1	3	2	13	2.07	.119	9	2	.87	11	.01	5	.47	.01	.31	1	.02
AP ZONE TRENCH-13 4	2	8	34	95	1.7	5	11	2616	6.88	51	5	ND	2	41	1	6	2	24	2.41	.159	10	5	1.34	11	.01	2	.71	.01	.29	1	.04
AP ZONE TRENCH-13 5	1	5	30	147	1.6	3	10	2605	6.51	49	5	ND	1	41	1	2	2	64	2.57	.205	11	3	1.52	14	.01	2	1.67	.01	.19	1	.06
AP ZONE TRENCH-14 1	1	11	15	148	.3	8	14	1648	6.26	28	5	ND	1	17	1	2	2	45	1.28	.107	7	6	1.48	34	.01	4	2.52	.01	.24	1	.05
AP ZONE TRENCH-14 2	1	37	1312	1924	2.2	9	16	1854	7.00	32	5	ND	1	18	9	4	2	39	1.44	.103	6	7	1.42	37	.01	2	2.23	.01	.24	2	.75
AP ZONE TRENCH-14 3	1	9	135	540	.5	10	19	1723	6.79	41	5	ND	2	16	2	2	2	45	1.19	.114	7	7	1.44	51	.01	2	2.52	.01	.24	1	.03
AP ZONE TRENCH-14 4	1	18	196	499	.8	12	19	1465	7.34	33	5	ND	2	15	3	2	2	47	.95	.125	7	12	1.40	47	.01	2	2.64	.01	.27	1	.06
AP ZONE TRENCH-14 5	1	4	66	452	.4	6	10	1424	5.59	31	5	ND	2	15	1	2	2	34	1.00	.117	7	5	1.18	61	.01	2	2.00	.01	.26	1	.09
AP ZONE TRENCH-14 6	2	28	683	461	1.6	11	14	1952	7.03	209	5	ND	2	25	2	7	2	25	1.90	.137	8	8	1.28	22	.01	11	1.62	.01	.30	1	.19
AP ZONE TRENCH-14 7	1	19	34	115	1.4	5	13	1497	5.76	30	5	ND	2	18	1	4	2	23	.97	.136	8	2	.93	43	.01	4	1.62	.01	.26	1	.08
AP ZONE TRENCH-14 8	3	9	15	169	.5	4	5	2143	3.74	26	5	ND	2	28	1	2	2	23	1.98	.135	11	5	1.23	71	.01	2	1.50	.01	.28	1	.03
AP ZONE TRENCH-14 9	3	14	42	206	.9	4	8	1971	4.08	72	5	ND	2	32	1	6	2	15	1.83	.114	9	2	.83	43	.01	5	.98	.01	.27	2	.06
AP ZONE TRENCH-14 10	4	34	41	209	1.6	5	5	595	3.63	345	5	ND	1	13	1	3	2	6	.49	.096	7	3	.28	23	.01	4	.58	.01	.24	1	.07
STO C	17	57	41	132	6.6	66	30	981	3.77	39	22	7	36	47	18	15	21	58	.44	.093	37	53	.85	173	.05	35	1.80	.06	.13	12	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B %	Al %	Na %	K %	W PPM	Au** GM/T
AP ZONE TRENCH-14 11	7	16	501	1074	.8	6	1	247	.65	362	5	ND	1	8	3	3	4	1	.19	.014	7	5	.05	93	.01	2	.22	.01	.16	1	.12
AP ZONE TRENCH-14 12	7	24	1046	529	.9	7	1	51	1.42	959	5	ND	1	5	2	3	2	1	.03	.008	7	3	.01	65	.01	2	.18	.01	.15	1	.15
AP ZONE TRENCH-14 13	4	32	888	398	2.6	7	1	80	1.65	1131	5	ND	1	6	2	2	2	1	.05	.006	7	3	.02	43	.01	2	.13	.01	.13	1	.37
AP ZONE TRENCH-14 14	3	27	1223	1989	3.1	4	2	1208	3.21	1304	5	ND	1	19	8	3	2	1	1.17	.005	5	7	.45	19	.01	9	.17	.01	.16	1	.63
AP ZONE TRENCH-14 15	6	16	62	181	.4	7	1	55	1.25	208	5	ND	1	3	1	2	2	1	.02	.005	6	5	.01	71	.01	12	.19	.01	.14	1	.05
AP ZONE TRENCH-14 16	6	14	77	105	.6	6	1	122	2.23	350	5	ND	1	4	1	3	2	1	.07	.007	5	3	.02	31	.01	2	.17	.01	.14	1	.13
AP ZONE TRENCH-14 17	5	31	44	72	.5	5	1	228	2.26	558	5	ND	1	6	1	2	2	1	.23	.006	4	4	.09	38	.01	8	.17	.01	.13	1	.12
AP ZONE TRENCH-14 18	5	38	208	322	1.3	4	2	99	2.99	870	5	ND	1	6	1	4	2	1	.11	.004	5	2	.02	19	.01	2	.17	.01	.13	1	.47
AP ZONE TRENCH-14 19	5	45	441	552	1.4	5	1	52	2.77	696	5	ND	1	7	2	2	2	1	.05	.006	5	2	.01	22	.01	8	.16	.01	.15	1	.37
AP ZONE TRENCH-14 20	7	24	634	214	1.4	6	1	19	1.94	539	5	ND	1	5	1	2	2	1	.01	.006	6	3	.01	36	.01	2	.21	.01	.18	1	.23
BLOO 1	7	138	469	1306	19.6	24	9	161	6.28	1010	5	ND	1	6	6	18	2	5	.09	.037	4	4	.01	6	.01	2	.22	.01	.11	1	.98
BLOO 2	6	378	1569	2906	72.8	15	4	448	14.99	3822	5	ND	1	2	13	68	2	4	.01	.002	4	3	.01	1	.01	12	.13	.01	.07	3	7.55
RC-21	22	85	23	84	40.9	30	18	2103	9.27	540	5	ND	1	242	1	30	2	6	11.57	.025	3	10	4.60	21	.01	2	.38	.01	.04	1	.49
C-A-1	3	70	44	335	2.9	17	17	1231	6.60	126	5	ND	1	279	2	2	2	16	3.92	.112	3	10	.96	26	.01	5	.36	.01	.18	1	.17
C-B-1	5	7	4	25	.2	22	2	83	.80	4	5	ND	1	8	1	2	2	5	.13	.015	2	16	.20	11	.01	2	.30	.01	.01	1	.02
C-7-1	1	22	50	51	1.3	42	28	1014	12.18	296	5	ND	1	74	1	2	2	120	2.40	.123	8	67	1.83	8	.01	2	1.67	.03	.03	1	.03
CR-A-2	1	68	2	55	1.0	24	28	1285	7.04	72	5	ND	1	66	1	17	2	47	2.21	.168	8	17	1.03	102	.01	15	.71	.01	.27	1	.01
CR-A-3	2	6	124	107	2.0	6	1	471	1.00	179	5	ND	1	71	1	6	2	2	.85	.010	12	6	.05	66	.01	11	.23	.01	.13	1	.50
CR-A-4	2	6	32	59	.1	3	2	961	2.39	25	5	ND	6	29	1	2	2	1	1.42	.021	29	5	.58	128	.01	6	.33	.01	.17	1	.01
CR 440S 585W	6	69	5	154	.2	34	19	924	5.41	9	5	ND	1	61	1	2	2	45	1.86	.134	9	25	1.12	79	.01	5	.82	.01	.17	1	.01
CR 450S 600W	2	26	6	105	.3	30	15	741	4.77	12	5	ND	1	132	1	3	2	50	4.86	.123	10	38	1.64	64	.01	8	1.73	.01	.13	1	.02
CR 460S 610W	2	24	10	71	.2	23	13	776	3.45	4	5	ND	1	122	1	2	2	29	6.25	.120	10	32	1.06	102	.01	2	1.15	.01	.14	1	.01
STD C	17	57	41	133	6.7	67	30	991	4.05	40	22	7	36	47	18	15	19	57	.48	.093	38	55	.91	175	.05	35	1.90	.06	.14	12	-

Assay Recommended for Ag > 30ppm
As, Pb, Zn > 1%

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1 SOIL P2-P4 ROCK P5-P12 CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 2 1989 DATE REPORT MAILED: *Oct 10/89* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AP 9+25N 7+25W	1	79	25	146	.3	23	13	782	3.84	33	5	ND	2	103	1	2	2	82	2.62	.138	11	24	1.03	113	.09	10	1.77	.03	.21	1	15
AP 9+25N 6+75W	1	75	19	131	.3	20	13	762	3.68	29	5	ND	2	100	1	2	2	78	2.63	.135	10	21	.95	115	.09	6	1.59	.03	.20	1	37
AP 9+25N 6+25W	1	74	16	128	.3	22	13	677	3.56	30	5	ND	2	92	1	2	2	78	2.42	.144	10	21	.97	99	.10	10	1.51	.04	.18	1	50
AP 8+75N 7+25W	1	73	21	131	.4	22	13	738	3.68	30	5	ND	3	86	1	3	2	81	2.18	.141	10	22	.99	123	.10	6	1.65	.04	.21	1	12
AP 8+75N 6+75W	2	37	20	66	.1	10	6	367	2.16	9	5	ND	1	48	1	2	2	46	1.10	.095	6	11	.57	54	.06	2	.89	.04	.12	4	223
AP 8+75N 6+25W	2	59	20	106	.1	19	10	576	3.04	25	5	ND	1	78	1	2	2	62	2.04	.115	8	17	.78	80	.08	5	1.27	.03	.14	1	18
STD C/AU-S	19	62	40	132	6.5	65	31	1009	3.92	40	24	7	38	48	18	15	21	59	.49	.089	38	55	.87	176	.05	36	1.94	.06	.14	12	47

GEOCHEMICAL/ASSAY CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1 SOIL P2-P4 ROCK P5-P12 CORE AU** BY FIRE ASSAY FROM 1/2 A.T.

DATE RECEIVED: OCT 2 1989 DATE REPORT MAILED: *Oct 10/89* SIGNED BY: *C. Leung* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Granges Exploration Ltd. PROJECT 134 File # 89-4025 Page 2

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
89GNR-1	2	5	5	52	.1	7	4	347	2.02	2	5	ND	1	3	1	2	2	25	.15	.028	2	10	.61	26	.05	2	.86	.01	.01	1	.02
89GNR-2	1	6	72	114	.7	4	8	815	5.88	3	5	ND	6	5	1	2	2	51	.22	.058	4	10	1.65	89	.07	2	2.41	.02	.09	1	.01
89GNR-3	3	5	19	138	.4	4	9	1068	6.10	4	5	ND	1	26	1	2	2	47	.70	.218	7	10	1.11	66	.12	2	2.33	.02	.06	1	.06
89GNR-4	8	9	66	20	2.2	3	1	22	1.32	148	5	ND	1	13	1	8	2	3	.01	.014	15	3	.02	156	.01	6	.25	.01	.16	1	.07
89GNR-5	3	7	17	65	.7	3	1	768	1.35	127	5	ND	1	18	1	2	2	1	.34	.010	19	3	.09	45	.01	2	.17	.01	.11	1	.06
89GNR-6	5	9	40	81	1.6	6	1	36	1.72	9086	5	ND	1	6	1	39	2	1	.01	.007	8	4	.01	103	.01	2	.16	.01	.17	1	.92
89GNR-7	5	18	37	63	22.0	5	1	20	1.90	951	5	ND	1	15	1	15	2	1	.02	.020	8	2	.01	146	.01	6	.15	.01	.21	1	.27
89GNR-8	5	25	344	241	17.7	5	1	33	2.13	2503	5	ND	1	3	1	19	2	1	.01	.013	5	2	.01	39	.01	2	.14	.01	.13	1	.45
89GNR-9	1	13	16	472	.8	4	9	1500	6.39	53	5	ND	1	6	1	2	2	40	.34	.115	15	9	.53	64	.01	2	2.06	.01	.15	1	.12
89GNR-10	2	11	7	71	.7	3	4	524	4.25	30	5	ND	1	7	1	2	2	18	.17	.129	11	6	.19	63	.01	2	.90	.01	.22	1	.10
89GNR-11	2	5	10	54	.8	2	2	131	3.68	200	5	ND	1	5	1	2	2	11	.15	.107	8	2	.12	51	.01	2	.53	.01	.19	1	.12
89GNR-12	2	5	26	75	1.2	2	1	77	3.35	21	5	ND	1	9	1	2	2	12	.12	.094	9	2	.08	103	.01	2	.45	.01	.26	1	.09
89GNR-13	2	5	31	26	.7	2	2	133	3.67	97	5	ND	1	6	1	2	2	17	.16	.103	9	3	.22	93	.01	11	.82	.01	.20	1	.10
89GNR-14	2	6	36	55	.8	1	2	119	3.35	205	5	ND	1	6	1	2	2	14	.14	.113	10	3	.12	102	.01	2	.58	.01	.26	1	.30
89GNR-15	2	8	11	30	.8	2	3	282	3.69	19	5	ND	1	8	1	2	2	12	.27	.104	9	1	.13	55	.01	16	.52	.01	.27	1	.16
89GNR-16	2	7	13	48	.8	2	3	256	3.71	15	5	ND	1	8	1	2	3	15	.26	.111	9	2	.15	67	.01	11	.64	.01	.26	1	.22
89GNR-17	2	4	21	19	.9	2	4	140	3.10	92	5	ND	1	6	1	2	2	15	.24	.082	8	1	.16	42	.01	8	.56	.01	.20	2	.07
89GNR-18	3	8	16	173	.4	5	8	1566	4.37	19	5	ND	1	48	1	4	2	28	2.93	.159	6	9	.91	34	.01	4	.24	.01	.16	1	.01
89GNR-19	1	92	7	57	.2	8	15	1127	4.92	16	5	ND	1	191	1	2	2	170	7.60	.141	8	17	1.61	29	.08	2	1.86	.01	.04	1	.01
89GNR-20	2	42	31	236	1.3	17	10	1345	2.75	769	5	ND	1	160	1	9	2	28	7.66	.060	7	7	.17	869	.01	2	.30	.01	.12	1	.98
89GNR-21	1	25	10	24	.5	10	4	1445	3.27	436	5	ND	1	620	1	4	2	28	12.34	.033	5	13	2.94	819	.01	10	.21	.01	.07	1	.76
89GNR-22	2	18	25	93	1.6	12	4	578	2.05	2094	5	2	1	45	1	14	2	19	6.40	.032	4	7	.13	168	.01	2	.14	.01	.07	25	5.57
89GNR-23	1	66	6881	1347	44.5	11	4	5710	3.39	1223	5	ND	1	125	12	62	4	19	5.89	.025	3	5	.20	265	.01	2	.13	.01	.07	1	.42
89GNR-24	3	28	126	635	2.6	27	8	6304	5.52	284	5	ND	1	139	3	11	2	22	9.31	.040	5	12	.32	457	.01	2	.19	.01	.11	1	.02
89GNR-25	9	10	194	205	5.2	3	1	113	1.90	121	5	ND	2	4	1	3	2	3	.07	.008	13	4	.23	60	.01	2	.37	.01	.11	3	.02
89GNR-26	8	6	104	193	2.6	4	1	89	1.71	179	5	ND	3	3	1	2	2	4	.06	.016	13	5	.26	47	.01	7	.43	.01	.13	1	.04
89GNR-27	9	9	30	152	2.6	7	1	45	1.87	122	5	ND	2	5	1	2	2	4	.04	.010	13	7	.12	64	.01	2	.27	.01	.09	3	.04
89GNR-28	6	46	46	121	3.4	4	8	204	6.49	238	5	ND	1	48	1	14	2	173	.36	.167	6	14	2.15	27	.01	7	2.12	.01	.09	2	.05
89GNR-29	7	5	30	110	1.4	3	4	138	1.93	79	5	ND	2	6	1	4	2	8	.20	.068	14	4	.20	36	.01	2	.52	.01	.19	2	.02
89GNR-30	4	22	84	5834	6.0	9	5	62	7.74	178	5	ND	1	18	27	15	3	79	.32	.136	3	10	.49	7	.01	8	.51	.03	.02	1	.04
89GNR-31	2	88	29	21	5.0	10	19	184	6.86	199	5	ND	1	20	1	11	3	131	.72	.264	6	6	.39	16	.01	17	.64	.02	.20	3	.10
STD C	18	59	44	133	6.6	68	31	1008	4.11	42	19	8	39	49	18	16	20	59	.48	.091	39	55	.87	173	.06	33	1.97	.06	.13	12	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W Au** PPM GM/T	
CR 115N 685W	13	8	14	21	1.2	6	1	25	1.64	264	5	ND	2	4	1	3	2	1	.01	.012	9	2	.01	84	.01	4	.20	.01	.11	1	.06
CR 181N 677W	1	25	9	118	.1	29	16	1170	6.45	8	5	ND	5	168	1	2	2	89	4.20	.235	39	37	1.78	77	.01	2	1.83	.02	.12	1	.02
CR 202N 661W	5	11	14	108	.2	7	3	911	1.77	32	5	ND	1	3	1	2	2	2	.04	.023	11	3	.01	83	.01	2	.40	.01	.14	1	.04
CR 050N 580W	20	20	23	74	.1	18	2	103	1.52	16	5	ND	1	20	1	2	2	10	.21	.087	8	5	.03	68	.01	2	.20	.02	.08	1	.02
CR 011N 591W	1	35	4	92	.1	19	12	442	4.32	12	5	ND	1	66	1	2	2	45	1.98	.133	18	15	1.01	85	.01	3	.68	.02	.17	1	.01
CR 226N 690W	3	41	38	47	2.3	15	6	70	2.63	312	9	ND	1	22	1	17	2	10	.18	.106	7	8	.01	51	.01	2	.24	.03	.08	1	.04
CR 225N 690W	3	19	15	15	1.8	3	1	97	1.36	144	5	ND	1	7	1	12	2	3	.03	.031	19	3	.01	205	.01	9	.22	.02	.12	2	.05
CR 221N 690W	5	351	1214	4120	14.0	6	3	173	3.52	612	12	ND	1	13	23	63	2	3	.20	.032	3	4	.08	22	.01	3	.19	.01	.12	1	.43
CR 132N 634W	7	45	37	1709	4.6	5	1	22	3.05	791	20	ND	1	1	7	13	2	1	.01	.002	3	2	.01	16	.01	2	.10	.01	.07	1	.62
CR 189N 680W	4	7	19	5395	.3	8	2	1001	2.03	36	5	ND	1	178	45	2	2	5	3.33	.016	2	9	1.06	17	.01	2	.05	.01	.03	2	.03
CR 275N 575W	1	38	9	146	.1	69	18	880	4.33	9	5	ND	1	246	1	2	2	81	4.93	.094	8	88	3.11	164	.01	6	2.94	.02	.05	1	.01
CR 054N 634W	2	6	13	45	1.1	7	1	52	1.25	196	5	ND	1	6	1	3	2	1	.05	.002	5	4	.02	64	.01	3	.13	.01	.14	3	.09
CR 290N 560W	2	4	17	20	.2	3	1	49	.82	102	5	ND	1	7	1	2	2	2	.11	.009	25	4	.07	71	.01	3	.24	.01	.13	1	.02
CR 22	3	7	16	7	2.7	4	1	17	.73	186	5	ND	1	2	1	9	2	1	.01	.005	8	2	.01	103	.01	2	.12	.01	.14	1	.08
CR 23	5	6	13	213	.1	6	2	755	1.81	327	5	ND	1	138	1	2	2	1	2.45	.011	4	6	.52	65	.01	4	.23	.01	.15	2	.03
CR 24	4	182	110	996	3.8	12	4	1132	1.55	171	5	ND	1	10	9	46	2	2	.14	.014	4	2	.04	36	.01	2	.22	.01	.11	1	.04

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
89JMR-1	2	13	8	56	.1	3	5	533	3.32	2	5	ND	1	35	1	2	2	57	.77	.133	5	8	.77	103	.01	2	1.15	.03	.04	1	.02
89JMR-2	4	8	27	87	2.3	6	2	320	1.41	50	5	ND	1	21	1	2	2	1	.24	.011	11	5	.09	85	.01	3	.25	.01	.15	1	.08
89JMR-3	4	7	25	21	2.7	3	1	18	1.34	64	5	ND	1	12	1	2	2	1	.02	.014	10	3	.01	198	.01	4	.20	.01	.16	1	.03
89JMR-4	5	8	319	134	1.4	7	1	25	1.21	53	5	ND	1	7	1	2	2	1	.01	.008	11	5	.01	127	.01	3	.17	.01	.19	1	.09
89JMR-5	4	4	29	4	.5	4	1	23	.97	25	5	ND	1	12	1	2	2	1	.01	.011	14	3	.01	263	.01	2	.20	.01	.20	1	.03
89JMR-6	6	39	403	237	47.4	7	1	30	4.05	1193	6	ND	1	18	1	25	2	2	.01	.026	11	5	.01	65	.01	2	.21	.01	.36	1	.18
89JMR-7	1	105	248	623	1.2	5	5	3445	7.56	36	5	ND	1	239	6	105	2	24	15.61	.035	4	11	4.38	61	.01	14	.19	.01	.10	1	.01
89JMR-8	6	11	123	112	1.2	5	1	269	2.59	35	5	ND	2	4	1	2	2	1	.03	.014	17	4	.10	165	.01	9	.59	.01	.18	1	.10
89JMR-9	4	6	15	139	.2	3	1	701	2.76	9	5	ND	2	9	1	2	2	2	.22	.016	17	4	.20	126	.01	5	.89	.01	.15	1	.02
89JMR-10	3	4	12	57	.2	5	1	538	3.10	19	5	ND	2	6	1	2	2	2	.06	.021	19	7	.25	121	.01	4	1.04	.01	.14	1	.02
89JMR-11	2	8	51	31	.5	4	1	34	1.06	10	5	ND	3	6	1	2	2	1	.04	.022	24	3	.01	146	.01	10	.23	.01	.20	1	.14
89JMR-12	3	4	21	18	.2	5	1	28	.98	3	5	ND	3	6	1	2	2	1	.02	.018	28	5	.02	99	.01	3	.30	.01	.23	1	.06
89JMR-13	4	38	60	72	1.0	4	3	521	4.10	44	5	ND	4	11	1	2	2	3	.12	.013	17	32	.12	75	.01	5	.27	.01	.14	1	.01
89JMR-14	5	10	131	33	1.9	3	3	181	2.91	99	5	ND	2	13	1	17	2	7	.05	.065	9	3	.02	105	.01	3	.30	.01	.22	1	.01
89JMR-15	3	22	38	149	1.2	3	24	893	5.31	92	5	ND	1	17	1	20	2	27	.44	.132	5	12	.08	21	.01	6	.53	.01	.28	1	.01
89JMR-16	6	9	62	146	1.3	4	5	101	3.04	64	5	ND	2	13	1	12	3	8	.06	.094	7	1	.01	65	.01	5	.40	.01	.23	1	.01
89JMR-17	3	13	27	93	1.1	3	6	503	3.10	60	5	ND	3	19	1	12	2	10	.29	.081	17	8	.07	99	.01	14	.52	.01	.32	1	.07
89JMR-18	3	17	19	164	.6	5	10	1242	4.29	9	5	ND	2	29	1	5	2	14	.65	.129	19	3	.12	79	.01	11	.69	.01	.32	2	.02
89JMR-19	5	8	25	34	1.4	3	4	276	1.61	62	5	ND	3	11	1	12	2	8	.09	.074	18	6	.03	78	.01	6	.48	.01	.29	2	.01
89JMR-20	3	8	29	21	.4	4	7	343	6.46	91	5	ND	1	50	1	16	2	19	.14	.207	8	3	.02	17	.01	2	.31	.01	.42	2	.01
89JMR-21	2	7	19	13	.3	2	2	104	4.03	64	5	ND	2	48	1	13	2	15	.05	.134	9	6	.02	42	.01	5	.28	.01	.41	1	.01
89JMR-22	3	7	34	11	.4	4	8	293	3.96	61	5	ND	1	12	1	15	2	16	.17	.078	7	2	.04	18	.01	7	.32	.01	.23	1	.01
89JMR-23	2	12	15	58	2.1	5	5	35	3.18	125	5	ND	1	7	1	13	2	5	.04	.021	5	40	.01	20	.01	8	.16	.01	.14	2	.06
89JMR-24	2	8	18	61	1.7	3	9	715	4.31	177	5	ND	1	11	1	46	2	32	.19	.099	10	2	.03	30	.01	3	.26	.01	.23	2	.19
89JMR-25	1	60	22	80	.5	16	6	974	3.11	45	5	ND	1	395	1	10	2	38	11.32	.054	6	21	3.40	29	.01	13	.33	.01	.03	1	.02
89JMR-26	5	27	61	1115	3.1	6	5	94	5.99	142	5	ND	1	20	3	13	2	5	.29	.061	6	5	.06	17	.01	6	.10	.05	.01	1	.06
89JMR-27	2	15	16	128	.7	3	9	171	4.78	57	5	ND	1	15	1	2	2	72	.47	.158	10	10	1.57	27	.01	3	1.86	.02	.11	1	.02
89JMR-28	1	84	10	64	.8	12	17	1095	5.45	27	5	ND	1	278	1	16	2	81	7.24	.174	6	14	2.33	70	.01	7	.46	.01	.16	1	.02
89JMR-29	1	10	4	51	.5	2	5	315	2.05	12	5	ND	1	238	1	2	2	22	6.47	.030	2	8	1.68	28	.01	2	.33	.01	.08	1	.04
89JMR-30	1	59	11	32	.8	5	9	2201	5.35	17	5	ND	1	623	1	3	2	60	15.68	.075	3	7	4.07	43	.01	5	.28	.01	.06	1	.01
89JMR-31	6	8	152	465	4.5	5	2	18	1.77	84	5	ND	1	6	1	4	2	4	.07	.010	8	2	.02	22	.01	5	.12	.02	.07	1	.06
89JMR-32	1	13	10	41	.4	9	6	317	1.78	25	5	ND	1	55	1	9	2	14	.78	.033	2	7	.30	36	.01	7	.14	.02	.06	2	.01
89JMR-33	4	15	17	373	2.2	5	7	2084	6.48	79	5	ND	1	196	1	29	2	16	6.48	.034	4	13	1.11	16	.01	11	.22	.01	.06	1	.03
89JMR-34	6	7	35	153	3.4	5	2	71	2.02	125	5	ND	1	13	1	2	2	9	.03	.019	13	9	1.02	40	.01	5	.82	.01	.09	1	.06
89JMR-35	6	2	28	119	1.9	2	1	118	2.42	66	5	ND	2	5	1	2	2	13	.05	.021	21	8	1.69	49	.01	3	1.31	.01	.11	2	.01
89JMR-36	4	32	63	354	4.5	5	11	66	4.23	125	5	ND	1	9	3	14	2	29	.30	.139	7	6	.34	17	.01	7	.79	.01	.24	1	.04
STD C	18	58	41	134	6.6	68	31	1035	4.08	44	22	7	38	48	18	15	20	58	.48	.093	38	55	.91	171	.06	32	1.97	.06	.13	13	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W Au** PPM GM/T	
1 G	3	4	42	114	.1	1	2	591	2.67	74	5	ND	2	18	1	2	2	3	1.15	.006	7	16	.53	37	.01	2	.70	.01	.16	1	.04
2 G	4	7	31	25	.4	2	2	778	2.60	80	5	ND	2	28	1	2	2	1	1.17	.006	8	4	.69	48	.01	4	.89	.01	.16	1	.02
3 G	5	7	36	68	.2	3	2	526	2.80	93	5	ND	2	14	1	2	2	1	.78	.007	7	3	.44	25	.01	4	.75	.01	.15	1	.03
4 G	4	4	25	82	.2	1	2	554	2.14	65	5	ND	2	21	1	2	2	1	1.01	.006	8	2	.29	22	.01	2	.55	.01	.13	1	.09
5 G	4	4	28	73	.3	1	2	744	2.57	94	5	ND	3	17	1	2	3	1	1.16	.007	10	14	.55	33	.01	3	.48	.01	.17	1	.04
6 G	4	4	12	122	.2	3	1	631	2.06	66	5	ND	2	23	1	2	4	1	.78	.006	9	5	.45	25	.01	9	.57	.01	.14	1	.09
7 G	4	6	24	88	.2	1	2	752	2.89	67	5	ND	2	22	1	2	2	2	.83	.009	10	3	.67	21	.01	2	.94	.01	.11	1	.03
8 G	4	3	31	30	.1	2	2	648	2.58	47	5	ND	2	25	1	2	2	1	.66	.007	10	2	.62	18	.01	2	.94	.01	.10	1	.03
9 G	3	7	16	28	.2	1	3	924	3.33	31	5	ND	3	36	1	2	4	1	.60	.007	11	20	1.26	37	.01	2	1.56	.01	.14	2	.03
10 G	4	7	29	70	.4	1	3	3253	7.08	139	5	ND	3	41	1	2	2	2	3.18	.007	12	3	3.39	29	.01	2	3.28	.01	.10	3	.06
11 G	3	7	9	75	.2	2	3	2837	5.58	27	5	ND	4	49	1	2	2	2	3.02	.007	15	3	3.14	24	.01	2	3.28	.01	.08	1	.03
12 G	3	8	9	64	.2	1	3	1986	5.72	42	5	ND	3	34	1	2	2	2	1.70	.007	12	13	2.84	34	.01	8	3.35	.01	.08	1	.03
13 G	6	8	16	54	.6	4	4	1396	3.61	3	5	ND	4	31	1	2	2	6	1.43	.011	18	5	1.93	33	.01	4	2.19	.01	.04	6	.03
14 G	2	5	7	40	.1	1	5	793	2.73	2	5	ND	1	20	1	2	3	31	.93	.022	7	1	1.09	14	.01	2	1.25	.01	.03	3	.01
15 G	1	14	2	59	.2	1	11	794	3.64	11	5	ND	1	25	1	2	2	73	1.09	.050	5	1	1.06	15	.02	2	1.36	.01	.04	1	.01
16 G	1	5	4	44	.3	1	9	502	2.64	12	5	ND	1	18	1	5	3	59	.76	.040	4	1	.65	10	.02	3	.93	.01	.01	1	.01
17 G	1	9	13	136	.3	1	3	1468	5.32	5	5	ND	4	44	1	2	5	2	2.39	.006	14	14	1.86	39	.01	2	2.54	.01	.03	1	.01
18 G	2	9	19	131	.5	3	3	1458	5.15	7	5	ND	4	66	1	2	3	3	3.02	.005	12	3	1.53	25	.01	2	2.11	.01	.03	1	.01
19 G	3	9	14	155	.2	2	3	1627	4.71	5	5	ND	3	66	1	2	6	5	3.40	.007	13	4	1.35	31	.01	4	2.00	.01	.04	1	.02
20 G	3	9	12	214	.2	1	2	1532	4.68	5	5	ND	2	65	1	2	2	2	2.59	.006	12	23	1.49	31	.01	14	1.99	.01	.04	1	.02
21 G	2	9	39	238	.4	2	3	1455	4.64	5	5	ND	3	56	1	3	2	6	2.22	.008	11	3	1.59	28	.01	4	2.09	.01	.03	1	.01
22 G	4	10	14	410	.4	2	3	1987	6.12	8	5	ND	4	70	2	2	2	3	3.17	.007	14	3	2.17	28	.01	3	2.94	.01	.03	1	.01
23 G	10	12	61	831	.3	1	4	2807	5.51	8	5	ND	2	79	4	2	2	4	4.14	.006	15	3	2.38	44	.01	3	2.61	.01	.04	1	.01
24 G	9	20	278	4844	.9	2	4	1599	6.00	19	5	ND	2	39	21	2	2	3	1.59	.007	9	23	1.88	26	.01	8	2.10	.01	.04	1	.01
25 G	6	8	14	132	.2	2	4	1357	4.07	5	5	ND	1	35	1	2	2	33	1.33	.079	11	2	1.26	30	.01	2	1.62	.01	.09	1	.01
26 G	8	8	13	53	.2	5	4	1040	3.27	5	5	ND	1	31	1	2	3	8	.93	.031	9	5	.83	43	.01	2	1.05	.01	.11	1	.01
27 G	10	7	6	72	.3	3	3	1094	2.64	5	5	ND	1	18	1	2	2	5	.94	.015	12	5	.77	51	.01	2	.90	.01	.14	1	.01
28 G	5	10	20	401	.1	2	2	1232	2.69	2	5	ND	1	27	2	2	2	2	1.05	.010	12	29	.90	48	.01	9	1.04	.01	.13	1	.01
29 G	5	19	147	340	.3	2	6	1636	4.29	4	5	ND	1	27	1	2	2	34	1.22	.084	11	3	1.34	35	.01	9	1.64	.02	.06	1	.03
30 G	4	10	17	70	.2	3	6	1352	5.46	5	5	ND	1	15	1	2	2	34	.73	.105	9	3	1.33	40	.01	3	1.98	.02	.06	1	.02
31 G	3	12	20	120	.2	3	10	1702	6.05	7	5	ND	1	36	1	2	3	81	1.13	.137	10	3	1.68	21	.01	18	2.39	.02	.04	1	.01
32 G	3	18	23	364	.3	2	13	1973	7.27	11	5	ND	1	57	2	2	2	121	1.37	.215	9	10	1.92	17	.01	4	2.96	.02	.04	1	.01
33 G	3	12	46	206	.3	5	11	1942	6.63	8	5	ND	1	52	2	3	2	75	1.26	.140	11	3	1.81	17	.01	3	2.84	.01	.09	1	.02
34 G	4	13	28	353	.3	4	6	1707	4.49	6	5	ND	1	87	2	2	5	43	2.17	.102	9	4	1.10	26	.01	2	1.76	.01	.07	1	.02
35 G	3	15	106	392	.2	3	6	1627	4.87	6	5	ND	1	50	2	2	5	39	1.74	.113	10	4	1.28	25	.01	4	2.07	.01	.10	1	.01
36 G	4	7	74	166	.3	1	4	1079	3.17	32	5	ND	1	15	1	2	2	4	.84	.012	10	23	.84	27	.01	2	.96	.01	.13	1	.01
STD C	18	62	39	133	6.5	67	31	1016	4.07	43	17	7	38	48	19	15	22	59	.50	.091	39	55	.90	173	.06	36	1.97	.06	.13	12	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
37 G	4	10	57	327	.1	1	2	1424	3.36	29	5	ND	1	13	1	2	2	2	1.21	.008	12	2	1.28	27	.01	3	1.25	.01	.12	1	.03
38 G	6	9	27	179	.1	2	2	727	2.56	3	5	ND	1	11	1	2	2	1	.65	.009	10	4	.62	30	.01	11	.83	.01	.15	1	.02
39 G	5	11	32	143	.1	1	2	1110	2.59	6	5	ND	1	20	1	2	2	1	1.51	.008	12	4	.83	21	.01	2	.70	.01	.15	1	.01
40 G	3	16	36	127	.2	1	8	1348	5.33	2	5	ND	1	25	1	2	2	39	1.01	.103	10	22	1.32	23	.01	4	1.84	.01	.10	2	.01
41 G	3	19	117	188	.3	4	14	1974	6.27	13	5	ND	1	26	1	2	2	45	1.73	.135	14	4	1.81	23	.01	3	2.21	.01	.11	1	.01
42 G	4	24	52	300	.4	3	8	1694	4.65	3	5	ND	1	79	1	2	2	29	2.52	.098	10	4	1.19	42	.01	2	1.42	.01	.11	1	.03
43 G	5	15	45	306	.2	3	4	950	2.14	2	5	ND	1	29	1	2	2	5	.96	.016	8	4	.50	61	.01	9	.71	.01	.12	1	.01
44 G	4	19	36	166	.1	3	3	814	2.70	2	5	ND	1	26	1	2	2	6	.96	.023	8	31	.64	37	.01	3	.81	.01	.12	2	.01
45 G	4	13	28	249	.2	3	1	664	1.82	10	5	ND	1	7	1	2	2	1	.51	.010	9	3	.39	47	.01	4	.47	.01	.15	1	.13
46 G	4	18	32	407	.2	4	2	593	2.39	5	5	ND	1	7	1	2	2	3	.20	.013	11	3	.39	53	.01	5	.60	.01	.16	1	.01
47 G	4	18	39	169	.2	2	2	487	1.74	2	5	ND	1	7	1	2	2	1	.48	.004	10	4	.46	32	.01	2	.50	.01	.16	1	.01
48 G	3	9	79	279	.1	3	5	1076	3.59	4	5	ND	1	24	1	2	2	18	.80	.050	9	31	.95	24	.01	3	1.46	.01	.09	1	.02
49 G	3	8	26	82	.1	2	1	478	1.30	2	5	ND	1	7	1	2	2	2	.52	.002	7	3	.48	23	.01	2	.44	.01	.13	1	.03
50 G	4	6	22	52	.1	3	1	572	1.86	3	5	ND	1	10	1	2	2	1	.62	.003	9	4	.64	41	.01	4	.60	.01	.16	1	.02
51 G	5	15	57	87	.4	3	2	732	2.31	3	5	ND	1	10	1	2	2	1	.81	.006	9	4	.73	28	.01	10	.63	.01	.18	1	.01
52 G	5	45	69	406	.3	2	2	578	2.59	7	5	ND	1	7	2	2	2	1	.50	.007	8	26	.65	41	.01	4	.64	.01	.15	1	.01
53 G	5	44	162	168	.6	3	2	253	2.40	13	5	ND	1	10	1	3	2	1	.24	.007	8	4	.25	44	.01	6	.28	.01	.09	1	.01
54 G	6	119	3355	2307	4.6	6	3	200	4.62	68	5	ND	1	10	9	8	2	1	.23	.006	5	6	.29	13	.01	3	.39	.01	.08	1	.12
55 G	5	228	3630	7970	12.4	5	4	84	5.26	59	5	ND	1	2	31	19	2	1	.01	.004	2	6	.51	15	.01	5	.74	.01	.05	1	.07
56 G	5	33	43	378	.9	3	3	540	2.27	113	5	ND	1	38	1	9	2	1	1.05	.005	6	34	.25	35	.01	4	.15	.01	.11	1	.09
57 G	3	44	126	308	1.2	3	2	372	2.82	89	5	ND	1	34	1	5	2	1	.78	.003	6	3	.20	27	.01	4	.22	.01	.14	1	.05
58 G	5	34	1408	1723	6.5	3	2	957	2.51	77	5	ND	1	23	6	11	4	1	1.36	.003	3	5	.57	39	.01	3	.13	.01	.08	1	.08
59 G	6	27	27	47	.5	6	1	273	1.99	91	5	ND	1	38	1	3	2	2	.52	.005	7	7	.22	42	.01	11	.16	.01	.12	1	.06
60 G	5	25	95	390	.6	6	1	572	1.55	78	5	ND	1	33	2	2	2	1	1.21	.004	7	59	.46	60	.01	6	.12	.01	.10	2	.04
61 G	4	36	76	254	1.2	4	1	2694	2.34	37	5	ND	1	75	1	7	2	1	5.54	.003	4	4	2.30	47	.01	6	.08	.01	.07	1	.01
62 G	7	22	171	181	1.2	7	2	576	1.34	23	5	ND	1	22	1	7	2	1	1.18	.003	6	8	.52	51	.01	2	.09	.01	.09	1	.01
63 G	6	24	100	210	.9	7	1	330	.66	8	5	ND	1	17	1	2	2	1	.65	.002	6	7	.29	113	.01	2	.10	.01	.10	1	.01
64 G	7	19	41	336	.6	4	1	241	1.22	20	5	ND	1	20	1	6	2	1	.44	.004	7	57	.20	79	.01	2	.13	.01	.12	2	.03
65 G	3	12	63	176	.3	4	1	765	1.25	4	5	ND	1	27	1	2	2	2	1.02	.002	7	5	.68	49	.01	2	.29	.01	.09	1	.01
66 G	7	26	164	296	.6	5	1	444	1.48	13	5	ND	1	16	1	2	2	3	.65	.002	7	6	.62	60	.01	2	.33	.01	.08	1	.01
67 G	7	73	41	84	.8	8	1	534	2.10	7	5	ND	1	23	1	7	2	2	.94	.005	9	7	.49	32	.01	2	.19	.01	.13	1	.01
68 G	4	39	403	216	1.3	5	2	672	2.01	12	5	ND	1	32	1	9	2	1	1.09	.006	7	47	.51	47	.01	15	.14	.01	.11	2	.01
69 G	4	30	176	363	1.5	3	1	807	2.00	21	5	ND	1	27	1	6	2	3	1.32	.003	7	5	.89	53	.01	6	.35	.01	.07	1	.02
70 G	5	57	777	2285	4.2	6	1	540	2.27	35	5	ND	1	23	9	9	2	1	.97	.003	5	6	.44	36	.01	2	.11	.01	.09	1	.03
71 G	5	62	247	1535	1.6	9	2	549	2.19	30	5	ND	1	29	6	8	2	1	1.13	.004	5	8	.49	47	.01	3	.10	.01	.09	1	.02
72 G	4	7	9	28	.1	5	2	557	2.35	19	5	ND	3	32	1	2	2	1	.85	.006	15	5	.18	51	.01	2	.30	.01	.19	1	.01
STD C	18	62	37	132	6.7	68	31	1013	4.00	39	22	8	38	48	19	15	22	59	.49	.088	39	57	.89	176	.06	35	1.95	.06	.14	13	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W Au** PPM GM/T	
73 G	7	44	144	466	.7	3	2	396	1.45	29	5	ND	1	15	2	2	2	1	.74	.003	5	46	.30	81	.01	2	.12	.01	.10	1	.04
74 G	5	29	92	279	.6	5	2	260	1.75	40	5	ND	1	9	1	6	2	1	.35	.004	6	6	.15	70	.01	2	.12	.01	.10	1	.01
75 G	4	21	13	15	.4	3	1	188	.99	33	5	ND	1	10	1	2	2	2	.36	.001	5	51	.16	54	.01	3	.13	.01	.10	1	.04
76 G	2	33	56	79	.4	4	1	129	1.38	103	5	ND	1	10	1	2	2	1	.18	.001	7	43	.07	67	.01	2	.12	.01	.10	1	.08
77 G	4	67	1002	1232	2.0	5	2	647	2.17	51	5	ND	1	32	4	7	2	1	1.42	.003	5	5	.59	51	.01	2	.10	.01	.08	1	.04
78 G	4	24	82	230	.7	6	1	779	1.36	28	5	ND	1	20	1	2	2	1	1.57	.001	4	8	.67	73	.01	2	.11	.01	.09	1	.04
79 G	3	52	74	100	1.6	3	2	456	2.56	77	5	ND	1	22	1	10	2	1	.86	.002	4	37	.37	37	.01	4	.12	.01	.09	1	.10
80 G	4	43	44	117	.8	7	2	135	1.53	40	5	ND	1	7	1	7	2	1	.23	.001	4	7	.10	48	.01	2	.10	.01	.08	1	.19
81 G	4	226	1007	1799	4.5	2	3	321	2.78	64	5	ND	1	16	7	33	2	1	.58	.001	2	41	.26	39	.01	2	.11	.01	.09	1	.06
82 G	5	58	116	237	1.0	7	1	645	1.34	42	5	ND	1	18	1	7	2	1	1.06	.001	3	8	.47	38	.01	3	.13	.01	.13	1	.06
83 G	4	45	36	248	.7	5	1	261	1.55	30	5	ND	1	32	1	5	2	1	.57	.003	4	57	.23	66	.01	2	.12	.01	.10	1	.04
84 G	3	18	174	275	1.4	1	2	7335	3.36	43	5	ND	1	126	1	8	2	1	11.25	.001	6	3	4.01	29	.01	4	.05	.01	.05	1	.04
85 G	5	47	26	125	.7	5	2	836	1.98	19	5	ND	1	21	1	3	2	1	1.45	.002	5	41	.56	47	.01	12	.12	.01	.12	1	.01
86 G	7	68	61	629	.9	8	2	288	2.11	58	5	ND	1	9	2	8	2	1	.44	.004	6	8	.18	54	.01	8	.09	.01	.09	1	.03
87 G	5	58	94	33	1.8	3	2	385	2.43	72	5	ND	1	12	1	8	2	1	.63	.005	5	42	.25	41	.01	8	.13	.01	.13	1	.08
88 G	6	44	140	40	2.7	4	2	682	2.17	57	5	ND	1	23	1	9	2	1	1.29	.003	4	7	.48	47	.01	7	.11	.01	.11	1	.06
89 G	5	37	27	17	1.2	2	2	563	2.37	69	5	ND	1	115	1	7	2	1	2.74	.002	3	32	.45	39	.01	5	.15	.01	.14	1	.03
90 G	4	30	10	14	.9	2	1	724	1.41	23	5	ND	1	58	1	5	2	1	2.05	.006	5	3	.54	20	.01	4	.16	.01	.15	1	.05
91 G	4	40	26	25	.5	3	2	584	1.72	17	5	ND	1	185	1	2	2	1	3.95	.006	5	24	.42	35	.01	2	.27	.01	.13	2	.03
92 G	5	47	34	13	1.6	5	2	829	2.06	37	5	ND	1	178	1	8	2	1	3.97	.006	6	7	.58	54	.01	5	.11	.01	.10	4	.14
93 G	5	25	22	10	1.1	2	1	1474	1.99	19	5	ND	1	105	1	6	2	1	3.68	.005	7	26	1.30	60	.01	2	.11	.01	.10	1	.02
94 G	5	63	55	428	1.1	4	2	366	2.19	13	5	ND	1	49	2	8	2	1	.79	.005	6	6	.33	52	.01	2	.11	.01	.10	8	.02
95 G	5	64	227	332	1.2	4	2	306	1.87	8	5	ND	1	36	1	7	2	1	.64	.003	5	40	.28	58	.01	2	.15	.01	.12	1	.01
96 G	5	87	395	484	2.0	9	2	165	2.25	28	5	ND	1	28	2	13	2	1	.47	.003	4	7	.12	49	.01	2	.10	.01	.10	1	.01
97 G	3	561	10659	11719	24.5	3	3	583	4.32	37	5	ND	1	49	38	82	2	1	1.24	.001	3	21	.44	29	.01	2	.13	.01	.11	1	.01
98 G	4	145	527	522	3.5	3	4	226	3.01	29	5	ND	1	13	2	8	2	1	.30	.004	6	4	.16	28	.01	2	.17	.01	.14	1	.03
100 G	5	103	511	782	4.5	6	2	237	2.19	12	5	ND	1	25	3	14	3	1	.55	.006	6	39	.18	57	.01	3	.09	.01	.11	1	.02
151 G	6	212	3039	3934	7.6	5	2	623	4.30	18	5	ND	1	30	13	19	2	1	1.18	.005	4	5	.42	32	.01	3	.15	.01	.13	1	.02
152 G	4	142	2867	4190	6.7	2	3	313	3.91	28	5	ND	1	104	14	10	2	1	1.87	.006	3	19	.19	31	.01	2	.31	.01	.16	1	.03
153 G	4	375	5467	14093	14.3	3	7	555	9.08	42	5	ND	1	6	49	17	4	1	.12	.004	2	4	.17	18	.01	3	.21	.01	.13	1	.03
154 G	4	56	156	192	1.0	2	2	179	2.38	27	5	ND	1	10	1	6	2	1	.24	.008	7	25	.13	34	.01	4	.21	.01	.17	1	.03
155 G	5	1939	16883	21464	69.1	5	4	572	7.16	252	5	ND	1	43	75	451	2	1	1.26	.001	2	4	.36	15	.01	2	.18	.01	.13	1	.06
156 G	4	34	804	2383	1.5	2	2	1499	2.12	58	5	ND	1	53	9	7	2	1	2.91	.003	4	28	1.04	29	.01	2	.14	.01	.11	1	.05
157 G	4	42	211	278	1.6	4	2	2305	3.08	70	5	ND	1	97	1	13	2	1	4.68	.008	5	4	1.53	35	.01	2	.14	.01	.10	1	.03
158 G	5	16	49	235	2.0	4	2	1362	2.57	83	5	ND	1	48	1	5	2	1	2.74	.013	8	13	.99	37	.01	2	.27	.01	.16	1	.01
159 G	5	17	23	86	1.6	3	8	1328	3.59	456	5	ND	1	97	1	7	2	7	3.55	.112	10	3	.92	33	.01	7	.41	.01	.18	1	.04
STD C	18	61	35	134	6.6	67	31	1007	4.04	39	21	7	38	49	17	15	20	59	.49	.091	39	55	.90	177	.06	33	1.94	.06	.13	13	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
160 G	3	11	21	1118	1.7	3	4	4785	3.45	162	5	ND	1	169	3	3	2	4	9.70	.040	7	3	2.74	38	.01	2	.22	.01	.14	1	.02
161 G	2	21	67	4497	1.5	2	2	7283	3.89	35	5	ND	1	354	14	2	5	3	13.07	.035	8	2	2.37	44	.01	5	.21	.01	.11	1	.01
162 G	3	27	34	415	.6	3	2	2339	2.71	37	5	ND	1	395	2	2	2	1	9.92	.006	5	3	1.04	43	.01	15	.24	.01	.10	1	.01
163 G	4	37	49	337	.6	3	1	1525	2.69	51	5	ND	1	199	1	2	2	1	4.70	.007	5	4	.85	46	.01	2	.40	.01	.13	1	.01
164 G	5	31	46	77	.5	5	2	260	2.67	97	5	ND	1	11	1	2	2	1	.36	.008	8	4	.42	44	.01	2	.57	.01	.14	1	.03
165 G	5	38	19	121	.4	5	1	385	2.34	52	5	ND	1	10	1	2	2	1	.51	.008	10	5	.32	47	.01	4	.40	.01	.18	1	.01
166 G	4	37	24	137	.3	5	2	550	2.03	12	5	ND	1	12	1	2	2	1	.72	.008	10	5	.32	37	.01	2	.32	.01	.17	1	.01
167 G	6	31	11	24	.4	7	2	198	2.08	18	5	ND	2	11	1	3	2	1	.25	.007	8	7	.18	44	.01	2	.33	.01	.14	1	.01
168 G	5	45	26	71	.5	5	2	616	2.52	28	5	ND	1	19	1	2	2	1	1.06	.007	8	4	.44	38	.01	2	.27	.01	.15	1	.01
169 G	6	51	207	250	.7	4	2	2005	4.04	67	5	ND	1	131	1	2	2	1	4.31	.005	5	4	1.12	24	.01	2	.22	.01	.13	1	.03
170 G	5	22	12	114	.5	4	2	590	1.98	13	5	ND	1	13	1	2	2	1	.63	.006	10	5	.30	41	.01	2	.32	.01	.16	1	.02
171 G	8	18	19	77	.5	4	1	869	2.34	21	5	ND	1	16	1	2	2	1	.98	.007	10	5	.44	34	.01	2	.41	.01	.19	1	.01
172 G	6	15	18	50	.9	4	1	872	2.51	36	5	ND	1	19	1	2	2	1	1.16	.007	8	5	.44	29	.01	2	.28	.01	.16	1	.01
173 G	4	9	14	62	.7	5	1	838	2.42	52	5	ND	1	21	1	2	2	1	1.27	.007	10	5	.53	34	.01	2	.30	.01	.17	1	.01
174 G	4	9	9	116	.8	5	2	968	2.22	24	5	ND	1	19	1	3	2	1	1.28	.008	10	3	.54	31	.01	3	.29	.01	.16	1	.02
175 G	8	18	31	144	.9	3	1	1005	2.99	45	5	ND	1	21	1	2	2	1	1.12	.008	9	5	.47	46	.01	10	.36	.01	.17	5	.02
176 G	5	9	22	103	.8	4	2	987	2.64	32	5	ND	1	18	1	2	2	1	1.03	.010	9	4	.42	45	.01	15	.34	.01	.18	3	.02
177 G	5	5	11	42	.7	4	2	885	2.32	15	5	ND	1	131	1	2	2	1	2.76	.006	6	5	.41	38	.01	13	.22	.01	.16	1	.01
178 G	6	5	10	37	.4	7	2	690	2.16	7	5	ND	1	13	1	2	2	1	.59	.006	11	5	.33	32	.01	3	.39	.01	.15	1	.01
179 G	5	7	5	44	.3	6	2	901	2.76	12	5	ND	1	20	1	2	2	1	.87	.006	10	6	.47	43	.01	7	.45	.01	.16	1	.01
180 G	5	8	10	52	.4	5	2	849	2.81	9	5	ND	1	23	1	2	2	1	.66	.009	10	4	.45	37	.01	3	.50	.01	.14	1	.01
181 G	4	8	7	90	.4	7	2	1192	2.76	7	5	ND	1	25	1	2	2	1	1.50	.010	9	5	.70	30	.01	2	.56	.01	.15	1	.01
182 G	4	6	11	164	.5	4	1	843	2.58	6	5	ND	1	16	1	2	2	1	.98	.009	8	4	.47	31	.01	4	.44	.01	.16	1	.02
101 V	2	10	12	119	.5	6	8	1280	5.19	8	5	ND	1	85	1	2	2	27	2.04	.086	11	5	.64	59	.01	4	1.73	.01	.17	1	.03
102 V	1	9	8	104	.4	6	7	1460	4.53	7	5	ND	2	115	1	2	2	39	2.74	.088	15	5	.71	46	.01	5	1.70	.01	.16	1	.01
103 V	2	7	8	101	.4	6	8	917	3.86	3	5	ND	2	66	1	3	2	32	1.73	.124	18	5	.54	62	.01	2	1.49	.01	.20	1	.02
104 V	1	6	4	106	.3	3	8	1055	4.79	6	5	ND	2	68	1	2	2	35	1.98	.102	17	4	.65	51	.01	2	1.80	.01	.17	1	.01
105 V	2	8	7	83	.4	7	5	1023	3.31	6	5	ND	3	82	1	2	2	20	2.29	.042	13	6	.45	44	.01	2	1.10	.02	.11	1	.01
106 V	1	11	10	125	.3	5	11	1442	5.92	2	5	ND	1	109	1	2	3	64	3.07	.141	12	5	.81	47	.01	20	2.19	.02	.18	1	.02
107 V	3	10	13	161	.3	6	10	1259	5.15	5	5	ND	1	96	1	2	2	32	2.63	.069	12	5	.63	42	.01	2	1.75	.01	.14	1	.02
108 V	1	15	22	128	.5	4	12	1229	6.22	7	6	ND	2	93	1	2	2	57	2.31	.119	16	3	.91	57	.01	5	2.40	.01	.18	1	.01
109 V	1	12	24	155	.6	1	12	1571	6.53	4	5	ND	2	141	1	3	2	85	3.47	.165	14	3	.96	40	.01	2	2.47	.02	.15	1	.02
110 V	1	15	22	193	.5	3	12	1473	6.35	7	5	ND	2	106	1	3	2	66	2.81	.133	14	3	.86	49	.01	8	2.27	.02	.13	1	.03
111 V	1	15	20	132	.5	4	11	1552	6.19	6	5	ND	1	132	1	2	2	65	2.96	.132	13	5	.85	56	.01	6	2.19	.02	.15	1	.02
112 V	1	12	21	145	.4	4	12	1314	5.88	6	5	ND	2	117	1	2	2	65	2.59	.132	15	4	.82	54	.01	7	2.16	.02	.15	1	.05
113 V	1	18	18	155	.6	5	12	1700	6.75	7	6	ND	2	167	1	2	2	91	3.40	.151	13	6	.95	36	.01	13	2.45	.02	.11	1	.03
STD C	18	58	40	132	6.6	67	31	1023	3.90	43	24	7	37	47	18	16	22	57	.48	.087	37	55	.87	175	.05	33	1.87	.06	.14	13	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
114 V	1	9	16	147	.1	5	9	1249	6.32	4	5	ND	1	108	1	2	2	54	2.85	.104	14	12	.77	46	.01	2	2.10	.01	.13	2	.02
115 V	3	6	16	109	.1	4	8	1124	5.74	3	5	ND	1	111	1	2	3	52	2.49	.107	16	11	.76	51	.01	2	1.95	.01	.16	1	.03
116 V	1	12	19	107	.3	3	10	1648	6.69	3	5	ND	1	179	1	2	2	90	3.90	.158	9	12	.96	29	.01	3	2.11	.02	.08	1	.01
117 V	1	10	27	120	.4	3	11	2127	7.25	7	5	ND	1	244	1	2	2	66	5.46	.141	8	13	.93	35	.01	2	2.00	.03	.06	1	.02
118 V	1	8	17	129	.4	5	11	1500	7.10	6	5	ND	1	130	1	2	2	101	3.65	.151	10	13	1.07	30	.01	2	2.35	.02	.08	1	.01
119 V	1	15	21	114	.4	5	14	1451	6.85	9	5	ND	1	131	1	2	2	106	4.07	.185	10	11	.83	26	.01	2	1.85	.03	.08	1	.01
120 V	2	14	28	204	.4	4	13	998	4.05	54	5	ND	1	95	1	2	2	71	3.14	.187	9	7	.35	24	.01	3	.89	.03	.06	1	.04
121 V	1	8	19	191	.4	4	13	1382	8.87	10	5	ND	1	81	1	2	2	96	2.64	.139	12	15	1.09	40	.01	2	2.92	.02	.12	1	.03
122 V	1	11	14	165	.4	5	14	1241	7.83	18	5	ND	1	79	1	2	2	111	2.50	.152	11	12	.96	36	.01	2	2.54	.02	.11	1	.04
123 V	1	14	16	162	.6	5	14	1582	8.17	7	5	ND	1	110	1	2	2	86	3.41	.174	13	12	.93	106	.01	5	2.60	.02	.14	2	.03
124 V	1	10	15	169	.5	4	11	1712	8.63	32	5	ND	1	118	1	2	2	92	3.54	.121	10	15	1.05	38	.01	2	2.60	.02	.09	1	.12
125 V	1	7	14	144	.4	5	12	1350	8.80	12	5	ND	1	87	1	2	2	86	2.59	.138	14	16	1.19	43	.01	2	3.04	.02	.16	1	.07
126 V	3	7	15	121	.7	4	13	1304	7.47	26	5	ND	1	95	1	2	2	74	2.85	.121	11	14	1.08	32	.01	2	2.47	.02	.08	1	.03
127 V	1	11	11	114	.5	4	12	1029	5.99	11	5	ND	1	73	1	2	2	94	2.22	.143	11	11	1.02	50	.01	4	1.99	.03	.08	1	.02
128 V	1	10	11	103	.5	3	12	1743	7.06	11	5	ND	1	148	1	3	2	115	5.14	.156	10	12	1.64	48	.01	3	2.41	.02	.06	1	.01
129 V	2	7	11	125	.2	4	13	955	7.38	9	5	ND	1	74	1	2	2	132	2.91	.165	10	13	1.44	59	.07	2	2.19	.03	.16	1	.01
130 V	4	8	28	449	.2	3	2	628	3.16	69	5	ND	2	24	2	2	2	1	1.01	.009	6	5	.25	29	.01	2	.51	.01	.12	1	.02
131 V	4	5	24	185	.1	2	2	946	2.98	77	5	ND	3	36	1	3	2	1	.82	.011	9	21	.53	49	.01	3	.64	.02	.12	3	.02
132 V	2	3	38	88	.2	2	2	913	2.56	36	5	ND	1	7	1	3	2	2	.52	.010	7	6	1.02	28	.01	2	.92	.01	.18	1	.01
133 V	2	3	55	50	.2	1	3	1920	3.28	94	5	ND	1	34	1	2	2	2	2.02	.008	9	11	1.86	22	.01	4	1.14	.01	.20	1	.09
134 V	2	3	92	173	.2	3	2	1061	2.08	34	5	ND	1	9	1	2	2	2	.53	.008	8	7	.89	53	.01	11	.84	.01	.20	1	.03
135 V	3	20	980	510	.6	1	2	764	2.63	80	5	ND	1	4	2	2	2	1	.20	.007	8	11	.59	36	.01	6	.74	.01	.20	1	.02
136 V	4	4	72	336	.2	4	2	784	1.87	39	5	ND	1	6	2	2	2	1	.40	.007	8	7	.49	36	.01	3	.55	.01	.18	1	.03
137 V	4	7	116	168	.4	3	2	452	2.19	62	5	ND	1	4	1	2	2	1	.21	.008	7	17	.29	49	.01	8	.51	.01	.20	2	.02
138 V	4	5	78	180	.2	2	1	708	1.84	47	5	ND	1	13	1	2	2	1	.65	.006	8	6	.63	23	.01	5	.62	.01	.17	2	.03
139 V	4	13	34	343	.3	2	2	487	3.35	118	5	ND	1	22	1	2	2	1	.35	.007	5	16	.48	26	.01	4	.71	.01	.16	1	.03
140 V	4	4	28	161	.2	3	2	839	2.31	95	5	ND	1	54	1	2	2	1	.74	.008	6	5	.44	36	.01	2	.69	.01	.14	1	.01
141 V	7	7	134	264	.6	2	2	647	4.57	216	9	ND	2	3	1	2	2	2	.06	.007	6	16	.47	21	.01	8	.78	.01	.14	1	.12
142 V	4	5	394	116	.3	4	1	1137	2.21	45	5	ND	2	35	1	2	2	1	1.05	.010	10	8	.66	44	.01	4	.72	.01	.09	1	.02
143 V	5	12	134	324	.2	2	1	1173	3.66	23	5	ND	2	33	1	2	2	1	1.28	.009	7	21	1.02	30	.01	2	1.30	.01	.13	1	.01
144 V	5	10	38	225	.2	3	2	706	2.95	49	5	ND	3	9	1	2	2	1	.23	.010	11	5	.34	41	.01	3	.69	.01	.14	1	.01
145 V	4	20	36	87	.2	3	2	903	4.21	45	5	ND	1	22	1	2	2	2	.91	.009	7	21	.54	33	.01	2	.99	.02	.11	1	.02
146 V	4	7	19	135	.1	4	1	701	2.42	34	5	ND	2	19	1	2	2	1	.87	.009	8	7	.40	32	.01	4	.75	.01	.10	1	.01
147 V	4	7	14	127	.1	3	2	639	2.76	50	5	ND	2	16	1	2	2	1	.75	.008	7	23	.35	35	.01	2	.74	.01	.11	1	.01
148 V	6	11	25	418	.2	4	1	730	3.10	84	5	ND	2	27	1	2	2	1	1.19	.009	6	6	.37	33	.01	2	.68	.01	.14	1	.02
149 V	5	6	26	210	.1	3	2	624	3.07	81	5	ND	2	15	1	2	2	1	.75	.009	6	5	.36	36	.01	2	.73	.01	.11	1	.01
150 V	5	4	78	270	.2	3	2	1018	3.90	102	5	ND	2	27	1	2	2	1	1.47	.009	6	8	.92	26	.01	8	1.02	.01	.16	1	.01
STD C	18	58	43	132	6.5	67	31	997	4.13	41	20	8	38	48	18	16	22	58	.48	.092	38	56	.91	171	.05	34	1.97	.06	.14	12	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
9013	1	41	16	231	.7	9	18	1959	7.31	28	5	ND	1	37	1	2	2	18	2.20	.087	5	13	1.11	14	.01	4	.48	.01	.26	1	.03
9014	1	18	43	103	1.6	12	14	616	6.07	282	5	ND	1	142	1	5	2	8	2.30	.049	2	9	.88	24	.01	14	.49	.01	.28	1	.25
9015	1	25	11	86	.7	6	8	1170	2.70	14	5	ND	3	27	1	2	2	7	1.41	.040	14	14	.80	62	.01	17	.43	.01	.24	1	.01
9016	8	18	16	78	.6	4	5	1632	5.13	86	5	ND	1	32	1	2	2	7	1.83	.057	6	10	1.35	51	.01	8	1.12	.01	.16	1	.06
9017	5	25	100	629	.7	3	3	1022	3.76	82	5	ND	1	28	3	3	2	5	1.39	.035	5	23	.68	43	.01	13	.62	.01	.15	1	.06
9018	5	82	893	2188	3.4	6	2	1016	4.06	313	5	ND	1	49	10	8	2	1	2.19	.019	3	10	.80	35	.01	4	.16	.01	.14	1	.86
9019	5	169	3544	4780	8.2	4	3	638	4.74	4522	7	ND	1	65	20	34	2	1	2.10	.012	2	33	.35	27	.01	4	.15	.01	.13	5	.52
9020	4	12	80	533	1.6	5	1	206	3.09	1785	9	ND	2	20	7	8	2	1	.28	.006	12	4	.10	29	.01	4	.22	.01	.16	1	.11
9021	3	20	35	32	.2	3	1	553	2.02	90	5	ND	3	12	1	2	2	1	.60	.008	16	31	.25	40	.01	9	.27	.01	.21	2	.01
9022	7	17	67	25	.5	6	2	600	2.05	409	5	ND	3	18	1	4	2	1	.74	.009	16	6	.29	51	.01	5	.25	.01	.20	1	.03
9023	10	12	11	18	.2	3	1	650	2.14	113	5	ND	2	15	1	2	2	1	.74	.009	14	25	.31	41	.01	6	.24	.01	.20	1	.03
9024	11	7	9	122	.2	4	1	541	2.28	167	6	ND	3	14	1	2	2	1	.60	.007	14	5	.27	42	.01	7	.24	.01	.19	1	.01
9025	3	5	14	244	.1	3	1	790	2.14	405	7	ND	2	15	1	2	2	1	.98	.009	14	29	.40	41	.01	8	.27	.01	.20	1	.09
15593	3	4	9	20	.2	5	2	895	2.58	2	5	ND	2	58	1	2	2	1	1.50	.009	20	5	.15	35	.01	3	.56	.01	.17	1	.04
15594	3	3	8	39	.2	4	1	724	2.36	2	5	ND	2	50	1	2	2	1	1.08	.008	18	34	.11	45	.01	9	.43	.01	.18	2	.02
15595	5	3	11	50	.1	5	1	849	2.78	2	5	ND	3	53	1	2	2	1	1.24	.010	25	4	.14	49	.01	2	.36	.01	.22	1	.02
15596	4	4	6	58	.2	3	1	808	2.48	2	5	ND	2	53	1	2	2	1	1.26	.009	23	33	.13	43	.01	11	.28	.02	.20	1	.03
15597	5	2	10	24	.1	5	1	797	2.36	2	5	ND	2	54	1	2	2	1	1.35	.010	23	4	.13	39	.01	4	.43	.01	.18	1	.03
15598	3	3	6	28	.1	3	1	812	2.48	2	5	ND	2	62	1	2	2	1	1.76	.009	21	28	.13	35	.01	2	.55	.01	.20	2	.01
15599	4	5	8	33	.1	3	1	660	2.41	2	5	ND	1	51	1	2	2	1	1.21	.009	18	3	.07	39	.01	2	.36	.01	.20	1	.01
15600	3	7	6	37	.1	3	1	757	2.08	2	5	ND	2	54	1	2	2	1	1.36	.009	24	26	.08	37	.01	2	.46	.01	.20	1	.01
15601	4	5	8	48	.1	4	1	816	2.19	2	5	ND	2	57	1	2	2	1	1.46	.008	22	5	.08	45	.01	3	.51	.01	.20	2	.01
15602	3	5	4	43	.1	10	1	755	2.47	4	5	ND	2	58	1	2	2	1	1.42	.009	21	29	.08	42	.01	9	.50	.01	.22	1	.03
15603	5	3	8	43	.1	5	1	1011	2.51	2	5	ND	2	64	1	2	2	1	1.84	.008	24	5	.09	43	.01	2	.75	.01	.19	1	.01
15604	4	3	11	49	.1	4	2	942	2.52	4	5	ND	2	56	1	2	2	1	1.53	.009	25	30	.09	44	.01	5	.76	.01	.19	1	.01
15605	5	2	4	49	.1	4	1	801	2.70	4	5	ND	2	52	1	2	2	1	1.38	.009	25	5	.09	41	.01	4	.76	.01	.19	1	.01
15606	3	2	10	41	.2	3	1	830	2.67	4	5	ND	2	60	1	2	2	1	1.65	.008	23	29	.08	41	.01	5	.70	.01	.21	1	.01
15607	4	2	7	49	.1	4	1	731	2.49	2	5	ND	2	54	1	2	3	1	1.41	.009	23	4	.08	64	.01	7	.59	.01	.19	1	.01
15608	4	3	4	53	.1	3	1	718	2.35	2	5	ND	2	77	1	2	2	1	1.74	.009	21	26	.08	42	.01	4	.46	.01	.21	1	.01
15609	4	2	4	59	.1	4	1	696	2.26	3	5	ND	1	58	1	2	4	1	1.39	.009	19	4	.08	45	.01	4	.28	.01	.19	1	.01
15610	8	4	6	68	.1	3	1	489	1.98	19	5	ND	3	35	1	2	2	2	.89	.011	24	25	.09	44	.01	4	.31	.01	.23	1	.01
15611	4	4	5	88	.2	5	2	709	2.58	9	5	ND	3	45	1	2	2	1	1.20	.009	25	5	.10	50	.01	2	.35	.01	.16	1	.02
15612	4	3	4	68	.1	4	1	508	1.66	5	5	ND	3	43	1	2	4	1	1.11	.008	24	30	.08	44	.01	2	.25	.01	.18	1	.01
15613	15	19	9	121	.5	4	1	563	2.81	44	5	ND	2	47	1	8	3	1	1.17	.008	20	4	.08	64	.01	5	.33	.01	.18	1	.02
15614	3	3	7	85	.1	3	2	459	2.62	2	5	ND	2	38	1	2	2	1	.85	.009	21	28	.12	44	.01	6	.48	.01	.15	1	.01
15615	3	6	6	170	.1	3	2	442	2.53	2	5	ND	2	28	1	2	3	1	.69	.012	25	3	.19	51	.01	2	.35	.01	.21	1	.01
STD C	18	57	41	132	6.6	68	31	944	3.96	43	21	7	37	48	17	15	20	58	.48	.089	38	55	.91	174	.05	35	1.97	.06	.14	12	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
15616	4	6	4	106	.1	5	1	646	2.54	2	5	ND	1	54	1	2	2	1	1.42	.007	17	5	.11	65	.01	2	.36	.02	.12	1	.01
15617	4	5	6	120	.1	4	1	385	1.96	2	5	ND	1	31	1	2	2	1	.75	.008	23	5	.06	36	.01	7	.28	.02	.17	1	.01
15618	5	7	7	93	.1	5	5	522	2.48	2	5	ND	1	23	1	2	2	1	.70	.008	15	5	.07	48	.01	6	.24	.01	.14	1	.01
15619	3	16	12	223	.4	3	11	1405	6.91	13	5	ND	1	79	1	2	2	54	2.58	.172	13	3	.42	76	.01	4	.63	.01	.11	1	.01
15620	3	4	3	33	.1	3	1	312	1.26	2	5	ND	2	27	1	2	2	1	.75	.003	18	3	.07	52	.01	9	.24	.02	.13	1	.01
15621	3	4	3	35	.1	5	1	411	1.12	2	5	ND	1	46	1	2	2	1	1.15	.004	18	5	.07	51	.01	4	.24	.02	.14	1	.01
15622	2	7	8	90	.1	7	4	828	2.98	2	5	ND	1	67	1	2	2	16	2.10	.060	17	6	.25	48	.01	14	.50	.02	.12	1	.01
15623	4	6	5	73	.1	6	2	693	2.67	2	5	ND	1	41	1	2	2	1	1.63	.010	15	6	.18	65	.01	2	.63	.02	.10	1	.01
15624	3	18	9	159	.5	3	8	1152	5.23	2	5	ND	1	71	1	2	2	24	2.16	.113	17	4	.61	92	.01	11	.52	.01	.17	1	.01
15625	6	17	8	158	.2	7	4	981	4.58	2	5	ND	1	51	1	2	2	6	1.55	.039	11	6	.45	92	.01	5	1.22	.03	.06	2	.01
15626	3	7	6	117	.2	4	3	1310	4.09	2	5	ND	1	104	1	2	2	7	2.45	.025	13	4	.40	65	.01	6	1.22	.01	.12	1	.01
15627	2	14	13	189	.5	3	8	1406	5.49	5	5	ND	1	94	1	3	2	32	2.76	.058	12	4	.82	121	.01	5	1.64	.01	.13	3	.01
15628	3	9	15	175	.3	4	9	1338	5.51	3	5	ND	1	94	1	2	2	45	2.73	.142	14	5	.86	52	.01	7	1.78	.02	.12	1	.01
15629	2	11	12	133	.2	3	10	1165	4.76	4	5	ND	1	76	1	2	2	45	2.61	.158	11	3	.64	105	.01	4	1.57	.01	.18	1	.02
15630	1	10	11	161	.3	2	8	1776	5.10	3	5	ND	1	108	1	2	2	34	3.61	.090	8	3	.69	32	.01	6	1.67	.02	.08	1	.01
15631	2	11	10	107	.3	5	7	1588	5.49	9	5	ND	1	91	1	2	2	21	2.98	.052	5	5	.63	25	.01	3	1.71	.03	.05	1	.02
15632	5	13	12	172	.2	4	4	1071	4.75	11	5	ND	1	54	1	2	2	5	1.70	.042	5	4	.43	48	.01	2	1.17	.02	.04	1	.04
47291	2	21	4	122	.5	6	10	1080	4.91	8	5	ND	1	36	1	2	2	23	1.49	.072	19	5	.51	53	.01	7	1.40	.01	.16	1	.01
47292	4	22	10	154	.7	7	11	920	4.74	14	5	ND	1	36	1	2	2	20	1.53	.059	14	4	.38	52	.01	2	1.12	.01	.14	1	.02
47293	2	16	5	148	.1	3	3	967	3.22	2	5	ND	1	43	1	2	2	1	2.64	.027	20	2	.43	75	.01	2	.79	.01	.15	1	.01
47294	3	13	6	129	.3	5	6	1045	3.75	5	5	ND	1	38	1	2	2	6	1.77	.038	18	2	.37	48	.01	5	.93	.01	.13	1	.01
47295	3	19	7	227	.5	8	11	1273	5.46	10	5	ND	1	41	1	2	2	19	1.91	.074	17	6	.62	53	.01	2	1.70	.01	.15	1	.02
47296	3	31	10	174	1.0	12	14	1242	5.25	20	5	ND	1	54	1	2	2	23	1.90	.073	10	6	.73	54	.01	2	1.24	.01	.16	1	.02
47297	2	30	9	103	.9	11	15	1646	5.44	19	5	ND	1	76	1	2	2	25	3.24	.081	11	5	.81	55	.01	6	1.12	.01	.16	1	.08
47298	2	37	9	137	.7	7	14	1599	5.74	17	5	ND	1	73	1	2	2	26	2.69	.095	10	4	.72	54	.01	7	1.00	.01	.16	1	.03
47299	1	24	2	119	.4	5	16	2270	6.65	8	5	ND	1	42	1	2	2	28	2.46	.117	9	5	1.06	54	.01	7	.71	.01	.17	1	.07
42857	3	8	14	180	.2	3	1	972	2.32	56	5	ND	1	19	1	2	2	1	1.19	.008	13	3	.49	48	.01	3	.26	.01	.18	1	.10
42858	5	9	33	251	.4	4	2	982	2.72	41	5	ND	2	20	1	2	2	1	1.16	.010	12	4	.52	38	.01	4	.48	.01	.19	1	.10
42859	9	7	20	265	.2	4	1	771	2.54	7	5	ND	2	13	1	2	2	1	.69	.008	14	5	.41	38	.01	5	.52	.01	.18	1	.01
42860	16	10	195	238	.6	4	3	1210	4.23	67	5	ND	1	23	3	2	2	1	1.23	.007	9	4	.55	29	.01	2	.49	.01	.18	1	.80
42861	11	6	8	52	.1	4	1	717	2.58	14	5	ND	2	23	1	2	2	1	1.04	.007	16	3	.34	38	.01	3	.43	.01	.18	1	.21
42862	8	7	10	32	.1	4	1	650	2.45	7	5	ND	2	23	1	2	2	1	.86	.007	16	6	.31	33	.01	5	.34	.01	.18	2	.02
42863	6	7	11	62	.1	4	2	630	2.85	15	5	ND	1	19	1	2	2	1	.61	.008	15	4	.25	36	.01	3	.29	.01	.21	1	.02
42864	5	24	712	620	.2	4	3	411	3.92	582	5	ND	3	7	2	2	2	1	.14	.019	19	5	.07	41	.01	2	.30	.01	.21	1	.01
42865	5	15	106	349	.2	5	3	321	2.72	118	5	ND	3	5	1	2	2	1	.11	.008	19	5	.07	41	.01	5	.25	.01	.18	1	.01
42866	3	10	10	27	.2	4	1	549	2.39	21	5	ND	2	31	1	2	2	1	.88	.007	14	5	.18	48	.01	2	.30	.01	.20	1	.02
STD C	18	61	41	132	6.7	67	31	985	4.01	40	22	8	37	48	18	16	22	57	.50	.089	37	56	.91	174	.05	33	1.93	.06	.14	13	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
42867	3	5	9	20	.1	2	1	566	2.50	13	5	ND	3	44	1	2	2	1	1.15	.008	15	4	.19	45	.01	9	.43	.01	.27	2	.02
42868	3	8	28	255	.1	1	1	580	2.55	29	5	ND	3	36	1	2	2	1	.94	.008	16	2	.14	41	.01	11	.34	.01	.24	1	.03
42869	3	6	10	22	.1	5	1	607	1.84	16	5	ND	3	46	1	2	2	1	1.17	.008	20	6	.17	47	.01	6	.37	.01	.21	2	.01
42870	3	7	14	42	.1	2	1	612	2.32	24	5	ND	2	55	1	2	3	1	1.31	.008	14	3	.14	35	.01	2	.38	.01	.21	2	.02
42871	5	9	19	72	.2	5	1	624	2.44	49	5	ND	3	48	1	2	2	1	1.27	.009	18	5	.20	44	.01	8	.53	.01	.22	1	.01
42872	4	7	20	62	.3	4	2	604	3.00	42	5	ND	2	57	1	2	2	1	1.69	.008	12	5	.17	37	.01	6	.47	.01	.20	1	.02
42873	4	8	20	173	.2	6	1	688	2.56	46	5	ND	2	53	1	2	2	1	1.50	.008	16	6	.19	37	.01	2	.54	.01	.20	1	.01
42874	3	3	11	18	.2	5	2	547	3.14	459	7	ND	3	36	1	2	2	1	.95	.009	16	6	.22	41	.01	3	.64	.01	.21	1	.01
42875	4	3	14	8	.1	5	1	566	1.41	5	5	ND	3	63	1	2	2	1	1.61	.006	18	5	.14	39	.01	7	.36	.01	.17	1	.02
42876	4	2	9	18	.1	1	1	559	2.76	87	5	ND	2	40	1	2	2	1	.99	.007	14	3	.23	54	.01	4	.63	.01	.19	2	.02
42877	5	3	8	17	.2	5	1	589	2.29	15	5	ND	3	20	1	2	2	1	.61	.008	20	8	.27	37	.01	5	.58	.01	.18	1	.01
42878	3	2	9	107	.1	3	1	858	2.53	19	5	ND	3	18	1	2	3	1	.91	.008	18	5	.39	31	.01	4	.62	.01	.19	1	.02
42879	5	3	10	140	.2	5	1	796	2.99	14	5	ND	4	15	1	2	2	1	.74	.009	18	6	.36	36	.01	3	.69	.01	.22	1	.01
42880	4	4	7	166	.1	5	1	746	2.19	9	5	ND	3	18	1	2	2	1	.83	.008	17	6	.38	45	.01	3	.53	.01	.17	1	.02
42881	5	6	4	90	.3	5	1	699	2.20	13	5	ND	3	21	1	2	2	1	.99	.009	17	8	.41	38	.01	5	.31	.01	.20	1	.02
42882	5	6	9	194	.2	4	1	682	1.96	23	5	ND	3	23	1	2	2	1	1.01	.009	16	6	.37	39	.01	9	.24	.01	.20	1	.02
42883	5	8	48	1021	.5	6	1	1810	2.76	285	5	ND	1	69	3	2	2	1	3.76	.007	7	13	1.06	31	.01	10	.21	.01	.16	1	.33
42884	6	8	13	106	.3	4	1	733	2.72	110	5	ND	3	25	1	2	2	1	.96	.008	14	7	.39	39	.01	3	.26	.01	.21	1	.04
42885	4	9	7	184	.2	4	1	902	2.18	47	5	ND	2	37	1	2	2	1	1.38	.007	13	8	.43	42	.01	4	.24	.01	.20	1	.01
42886	5	8	19	309	.2	4	2	987	2.74	36	5	ND	3	21	1	2	2	1	1.01	.008	17	7	.44	51	.01	3	.32	.01	.23	1	.01
42887	8	34	109	842	.2	7	3	1649	2.63	52	5	ND	4	5	3	2	2	1	.06	.009	24	5	.04	144	.01	2	.38	.01	.20	1	.07
42888	6	13	12	276	.3	4	1	834	2.55	27	5	ND	3	44	1	2	2	1	.94	.012	15	5	.38	35	.01	7	.26	.01	.18	1	.01
42889	6	67	763	855	1.5	6	2	753	3.17	296	5	ND	2	20	3	13	2	1	.82	.007	12	8	.27	37	.01	3	.23	.01	.16	1	.12
42890	7	8	5	104	.3	5	1	565	2.14	44	5	ND	2	25	1	2	2	1	.59	.007	13	5	.21	38	.01	8	.18	.01	.13	1	.03
42891	6	8	17	160	.1	6	1	643	2.83	33	5	ND	3	21	1	2	2	1	.70	.009	17	6	.26	38	.01	2	.28	.01	.18	1	.02
42892	6	6	8	120	.1	4	1	616	2.35	17	5	ND	3	22	1	2	3	1	.72	.009	15	4	.24	32	.01	4	.23	.01	.16	1	.01
42893	7	6	4	117	.2	7	1	589	2.54	19	5	ND	3	23	1	2	2	1	.65	.008	16	6	.26	43	.01	2	.31	.01	.17	1	.02
42894	10	5	7	153	.2	4	1	627	2.28	14	5	ND	3	20	1	2	2	1	.61	.007	16	5	.25	33	.01	9	.44	.01	.14	1	.01
42895	9	6	10	134	.1	6	1	761	2.49	6	5	ND	3	38	1	2	2	1	.88	.008	17	8	.25	44	.01	2	.57	.01	.15	1	.02
42896	5	4	10	104	.1	4	1	692	2.35	37	5	ND	2	36	1	2	2	1	.94	.008	17	4	.17	70	.01	2	.53	.01	.16	1	.05
42897	4	5	5	14	.1	6	1	685	1.98	3	5	ND	2	59	1	2	2	1	1.29	.009	20	5	.13	40	.01	2	.45	.01	.19	1	.03
42898	5	5	13	56	.1	4	1	710	2.24	3	5	ND	3	47	1	2	2	1	1.07	.008	21	3	.14	64	.01	6	.59	.01	.18	1	.04
42899	5	6	9	25	.1	6	2	815	2.74	3	5	ND	3	45	1	2	2	1	1.02	.009	20	6	.15	117	.01	4	.76	.01	.20	1	.04
STD C	18	58	42	132	6.7	67	31	948	4.11	41	19	7	38	49	18	14	23	58	.48	.091	39	56	.87	172	.06	32	1.97	.06	.13	12	-

ASSAY RECOMMENDED for Pb, Zn > 1%
Ag > 30 ppm

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: P1-P3 SOIL P4 SLUDGE P5-P6 ROCK P7-P13 CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. P - pulverized.

RECEIVED: OCT 11 1989 DATE REPORT MAILED: Oct 16/89 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Granges Exploration Ltd. PROJECT 134 File # 89-4233 Page 1

Table with columns: No PPM, Cu PPM, Pb PPM, Zn PPM, Ag PPM, Ni PPM, Co PPM, Mn PPM, Fe %, As PPM, U PPM, Au PPM, Th PPM, Sr PPM, Cd PPM, Sb PPM, Bi PPM, V PPM, Ca %, P %, La PPM, Cr PPM, Mg %, Ba PPM, Ti %, B PPM, Al %, Na %, K %, W PPM, Au* PPM. Rows include various sample IDs like 6+00W, 5+75W, etc.

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	AU PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au ⁺ PPB			
CS 5+00N 3+25W	13	19	26	75	.1	4	2	245	10.50	6	5	ND	3	6																				
CS 5+00N 3+00W	9	15	19	82	.2	9	4	391	10.69	8	5	ND	2	6	1	2	2	73	.06	.043	23	30	.06	18	.33	4	2.89	.01	.04		3	1		
CS 5+00N 2+75W	2	41	26	65	.4	8	7	213	9.51	3	5	ND	1	18	1	2	2	93	.05	.032	20	26	.16	19	.36	2	2.05	.02	.04		1	4		
CS 5+00N 2+50W	3	36	6	51	.2	7	6	150	6.32	3	5	ND	1	8	1	2	2	182	.11	.054	9	32	.27	45	.27	4	3.23	.02	.03		1	2		
CS 5+00N 2+00W	3	39	28	87	.7	7	7	360	9.26	91	5	ND	1	16	1	2	2	221	.04	.016	12	22	.15	36	.22	3	2.53	.01	.02		1	2		
CS 5+00N 1+75W	5	17	29	78	.5	10	5	548	7.63	3	5	ND	1	8	1	2	2	89	.16	.113	8	14	.16	85	.08	6	2.17	.02	.05		1	1		
CS 5+00N 1+50W	4	18	33	100	.4	12	11	946	6.04	5	5	ND	3	15	1	2	2	63	.06	.050	21	25	.18	34	.17	3	3.22	.02	.05		1	8		
CS 5+00N 1+25W	3	25	11	85	.7	14	11	600	7.08	5	5	ND	2	16	1	7	2	83	.34	.077	35	40	.42	40	.41	7	4.73	.06	.07		2	3		
CS 5+00N 1+00W	6	10	26	86	.1	4	2	404	7.35	6	5	ND	4	4	1	2	2	101	.23	.079	19	32	.55	30	.41	7	4.52	.04	.06		2	2		
CS 5+00N 0+75W P	6	19	36	62	.1	10	3	122	6.19	6	5	ND	1	7	1	2	2	40	.04	.031	33	12	.08	17	.23	4	2.40	.05	.07		1	9		
CS 5+00N 0+50W	5	28	25	116	.1	35	6	466	7.67	10	5	ND	1	5	1	2	2	74	.05	.054	14	29	.15	22	.20	3	3.03	.01	.04		1	2		
CS 5+00N 0+25W	3	12	11	41	.1	6	3	106	2.63	2	5	ND	1	5	1	2	2	83	.04	.029	20	55	.49	49	.22	6	3.09	.03	.09		1	1		
CS 5+00N 0+00W	6	14	18	56	.1	11	3	146	7.78	8	5	ND	1	6	1	2	2	67	.04	.022	18	25	.16	35	.12	4	2.50	.01	.03		1	1		
CS 4+00N 6+75W	11	8	20	77	.2	4	3	220	9.49	17	5	ND	4	3	1	2	2	111	.05	.034	18	40	.16	30	.20	4	2.26	.01	.04		1	2		
CS 4+00N 6+50W	8	14	14	78	.1	7	6	211	9.71	13	5	ND	2	8	1	2	2	49	.02	.046	29	15	.09	26	.20	7	2.58	.02	.06		1	2		
CS 4+00N 6+25W	5	28	24	102	.7	47	8	367	10.30	20	5	ND	2	8	1	3	2	128	.03	.039	17	16	.07	44	.41	2	2.02	.01	.03		1	5		
CS 4+00N 6+00W P	8	21	31	99	.3	21	6	469	11.38	18	5	ND	2	6	1	2	2	56	.04	.055	11	63	.69	58	.08	4	3.00	.01	.05		1	9		
CS 4+00N 5+75W	4	34	24	96	1.9	24	7	210	7.68	67	5	ND	1	15	1	6	3	79	.03	.071	25	48	.34	38	.24	6	3.13	.02	.09		1	1		
CS 4+00N 5+50W	6	30	30	103	2.0	14	11	728	6.82	18	5	ND	2	7	1	2	2	82	.11	.137	10	38	.38	48	.10	7	2.90	.02	.06		1	2		
CS 4+00N 5+25W	8	18	21	74	2.0	8	5	338	10.75	19	5	ND	3	11	1	2	2	59	.06	.070	21	23	.27	38	.15	5	3.14	.02	.07		1	6		
CS 4+00N 5+00W	6	32	23	113	2.4	23	20	3324	7.08	62	5	ND	1	11	1	4	2	93	.09	.055	18	28	.21	21	.36	2	3.32	.03	.04		3	1		
CS 4+00N 4+75W	2	17	19	55	2.8	8	6	278	6.83	2	5	ND	3	14	1	2	2	85	.08	.105	25	53	.35	56	.17	4	3.13	.01	.06		1	11		
CS 4+00N 4+50W	12	16	27	81	.9	3	3	345	16.12	15	5	ND	6	7	1	2	2	112	.17	.064	16	25	.41	30	.50	7	4.67	.03	.04		2	2		
CS 4+00N 4+25W P	6	73	44	175	3.1	36	22	1829	6.30	38	5	ND	1	27	1	13	2	86	.05	.072	12	22	.06	14	.65	6	2.67	.02	.03		2	3		
CS 4+00N 4+00W	9	17	22	88	.8	8	4	382	12.11	8	5	ND	1	12	1	2	2	54	.25	.110	14	29	.59	137	.07	8	2.22	.06	.23		1	9		
CS 4+00N 3+75W	4	56	25	138	5.8	21	17	898	8.29	28	5	ND	1	15	1	15	2	76	.11	.062	20	29	.20	25	.26	2	2.91	.02	.04		2	1		
CS 4+00N 3+50W	2	23	20	124	1.1	17	17	1263	6.96	3	5	ND	2	36	1	3	2	69	.16	.330	10	23	.30	163	.03	7	2.32	.02	.10		1	4		
CS 4+00N 3+25W	1	33	12	107	.6	80	9	359	4.17	32	5	ND	1	13	1	3	2	104	.45	.092	29	25	.66	107	.60	2	5.29	.07	.07		4	5		
CS 4+00N 3+00W	2	12	21	101	.3	29	5	236	3.55	9	5	ND	3	37	1	2	2	41	.09	.040	20	66	1.23	95	.03	8	2.99	.01	.06		1	4		
CS 4+00N 2+75W	5	77	18	138	2.1	20	9	153	3.24	20	5	ND	1	6	1	6	2	34	.37	.065	26	35	.48	155	.11	7	4.66	.02	.04		1	1		
CS 4+00N 2+50W	3	27	27	88	.2	34	5	207	8.05	5	5	ND	2	9	1	6	2	39	.08	.169	5	10	.08	49	.01	6	1.21	.01	.06		1	2		
CS 4+00N 2+25W	7	18	26	85	.1	12	4	233	12.01	9	5	ND	4	5	1	2	2	66	.06	.075	14	47	.52	43	.14	3	3.94	.02	.04		1	3		
CS 4+00N 2+00W	2	18	17	47	.2	24	4	130	5.18	8	5	ND	1	5	1	2	2	104	.03	.036	16	42	.18	39	.29	4	3.36	.01	.04		1	1		
CS 4+00N 1+75W	6	12	12	65	.2	3	3	103	5.17	10	5	ND	2	4	1	2	2	97	.03	.037	11	65	.38	60	.18	6	2.89	.01	.03		1	10		
CS 4+00N 1+50W	2	71	26	109	1.5	16	9	563	6.36	22	5	ND	1	6	1	2	2	77	.03	.028	19	6	.16	43	.03	4	4.09	.01	.03		2	1		
CS 4+00N 1+25W	5	24	23	105	.2	15	14	833	8.19	5	5	ND	1	8	1	2	2	50	.03	.328	11	15	.10	91	.04	3	2.09	.01	.10		1	9		
STD C/AU-S	18	59	38	132	6.7	67	30	993	4.10	41	20	8	36	47	18	14	22	104	.07	.056	17	48	.26	42	.35	4	3.16	.03	.07		2	4		
																																		49

529 P02

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au ^P PPB
CS 4+00N 1+00W	4	18	16	58	4	8	8	344	6.25	10	5	ND	4	8	1	2	2	109	.05	.042	14	32	.16	31	.36	4	2.61	.02	.04	1	4
CS 4+00N 0+75W	4	25	18	74	1	19	8	233	10.88	19	8	ND	4	6	1	2	2	88	.04	.057	12	43	.31	39	.20	5	3.07	.01	.04	1	6
CS 4+00N 0+50W	10	7	18	51	1	4	3	186	4.43	11	5	ND	3	3	1	2	2	83	.02	.022	32	18	.08	15	.32	3	1.33	.01	.03	1	4
CS 4+00N 0+25W	8	17	15	81	1	8	6	418	7.87	11	15	ND	7	4	1	2	3	56	.05	.030	36	25	.14	13	.20	3	3.80	.04	.04	1	3

529 P03

FILE LINDS

DATE

GEOCHEMICAL/ASSAY CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1-P3 SOIL P4 SLUDGE P5-P6 ROCK P7-P13 CORE AU** BY FIRE ASSAY FROM 1/2 A.T.

DATE RECEIVED: OCT 11 1989 DATE REPORT MAILED:

SIGNED BY.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Granges Exploration Ltd. PROJECT 134 File # 89-4233 Page 4

AMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	GM/T
DH AP3 39-49	28	38	17	79	10.4	16	7	1304	7.14	5	5	ND	1	49	1	2	2	7	2.17	.008	9	11	.55	50	.01	19	2.17	.06	.31	20	.10
DH AP3 49-59	7	33	40	200	4.0	11	12	1502	7.07	15	5	ND	1	82	1	2	2	73	2.86	.161	10	12	.98	90	.01	22	2.56	.06	.36	10	.06
DH AP3 59-79	58	75	18	111	21.8	11	13	1570	7.81	14	5	ND	1	99	1	3	2	98	3.76	.184	9	14	1.11	99	.02	2	2.62	.07	.23	22	.05
DH AP3 79-89	7	78	25	158	2.3	39	12	1020	6.55	8	5	ND	1	93	1	2	2	88	2.93	.152	10	28	1.24	232	.06	9	2.30	.07	.29	44	.02
DH AP3 89-99	11	91	16	179	4.0	29	13	1003	6.12	15	5	ND	1	84	1	2	2	77	2.69	.141	9	25	1.12	197	.06	23	2.05	.06	.27	68	.03
DH AP3 99-109	7	68	1192	1302	4.6	16	14	1343	7.96	62	5	ND	1	79	4	2	2	75	2.63	.157	8	14	1.05	47	.02	4	2.17	.05	.27	31	.16
DH AP3 109-119	14	64	203	305	4.9	13	12	1233	6.15	30	5	ND	1	52	1	2	2	51	1.93	.121	9	13	.96	67	.02	16	1.90	.04	.32	63	.08
DH AP3 119-129	14	61	343	568	6.6	11	11	1044	5.47	51	5	ND	1	36	2	2	2	23	1.28	.080	9	10	.75	43	.01	9	1.52	.03	.37	18	.08
DH AP3 129-139	54	154	156	311	41.0	12	10	1389	5.13	22	5	ND	1	34	1	2	2	34	1.66	.109	9	14	1.01	68	.01	4	1.57	.03	.30	215	.08
DH AP3 139-149	34	87	67	201	20.1	18	9	1541	5.39	20	5	ND	1	33	1	2	2	25	1.90	.101	10	15	1.10	87	.01	11	1.59	.05	.34	75	.13
DH AP3 149-159	31	104	55	181	21.7	18	18	1508	6.45	32	5	ND	1	30	1	2	2	46	1.48	.078	8	15	.99	40	.01	4	1.93	.04	.42	62	.09
DH AP3 159-169	13	73	40	178	7.0	23	14	1342	7.04	51	5	ND	1	39	1	4	2	32	1.84	.078	6	17	.98	35	.01	10	1.26	.04	.29	56	.12
DH AP3 169-179	23	96	52	305	8.8	22	14	1930	8.52	53	5	ND	1	50	1	5	2	50	3.22	.162	7	20	1.58	40	.01	11	1.53	.05	.35	43	.13
DH AP3 179-189	90	191	425	784	37.2	24	10	2139	7.36	1257	6	ND	1	66	2	19	2	28	6.68	.357	4	24	1.65	38	.02	17	.72	.02	.19	123	.36
DH AP3 189-199	51	155	84	268	26.7	29	10	1708	6.79	155	5	ND	1	69	1	5	2	23	3.66	.076	5	23	1.42	36	.01	4	.87	.02	.30	157	.12
DH AP3 199-209	32	133	140	1118	18.6	17	10	1675	6.70	114	5	ND	1	76	4	5	2	18	3.54	.059	4	21	1.31	27	.02	2	.60	.01	.24	123	.07
DH AP3 209-219	24	249	65	546	9.4	36	14	1599	7.36	68	5	ND	1	75	1	3	2	25	3.15	.069	6	36	1.13	41	.02	8	.82	.02	.24	282	.07
DH AP3 219-229	54	104	35	272	29.9	19	8	1904	6.18	47	5	ND	1	59	1	3	2	14	2.41	.068	6	20	1.06	49	.01	6	.63	.01	.26	109	.15
DH AP3 229-239	28	117	35	255	18.7	29	12	1942	9.48	58	5	ND	1	62	1	2	2	29	2.42	.082	6	32	1.09	40	.01	3	1.12	.02	.27	122	.07
DH AP3 239-249	15	67	26	205	6.2	17	11	1796	9.10	69	8	ND	1	64	1	19	2	22	2.30	.080	5	22	1.02	30	.01	5	.88	.02	.28	55	.46
DH AP3 249-259	12	87	44	670	7.4	8	11	1705	9.07	177	5	ND	1	56	2	9	2	43	2.36	.132	7	18	1.29	40	.01	16	1.47	.03	.29	34	.21
DH AP3 259-263	34	94	57	435	18.0	19	12	1711	8.30	147	5	ND	1	60	1	4	2	44	2.50	.114	9	24	1.22	52	.02	8	1.76	.04	.48	69	.11
TD C	18	59	44	135	6.7	67	30	957	4.17	59	19	7	37	48	18	15	23	58	.48	.097	38	55	.88	177	.06	36	1.94	.06	.14	13	-

SOL 423

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Li PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Me %	K %	U PPM	Au ²⁴ GM/T
89JNR-37	1	1990	19295	99999	72.9	7	20	674	4.43	271	5	ND	1	14	979	43	2	9	.43	.003	2	3	.10	9	.01	19	.07	.01	.01	2	1.27
89JNR-38	1	1678	18293	99999	120.7	7	12	1192	3.06	234	5	ND	1	100	653	100	2	4	2.69	.001	2	2	.16	8	.01	2	.08	.01	.01	2	.90
89JNR-39	3	1504	17067	99999	52.5	9	12	841	3.09	171	5	ND	1	107	652	38	2	6	2.79	.003	2	5	.33	11	.01	2	.10	.01	.03	3	2.15
89JNR-40	7	29	448	839	1.3	5	10	77	4.67	54	5	ND	1	30	3	4	2	14	.61	.289	8	3	.03	28	.01	9	.59	.01	.33	1	.03
89JNR-41	6	11	99	443	.6	6	5	104	4.50	30	5	ND	2	15	2	4	2	15	.15	.350	10	3	.03	92	.01	21	.44	.01	.37	1	.01
89JNR-42	7	14	56	95	.8	4	7	558	9.24	60	5	ND	1	21	1	18	2	24	.61	.320	7	2	.21	51	.01	20	.36	.01	.32	1	.01
89JNR-43	8	16	36	96	.7	5	7	164	6.63	45	5	ND	1	15	1	11	7	17	.23	.375	7	3	.02	26	.01	21	.37	.01	.31	1	.01
89JNR-44	3	16	20	52	.5	4	8	537	6.29	46	5	ND	1	29	1	3	2	17	1.19	.347	9	1	.30	37	.01	3	.59	.01	.34	2	.01
89JNR-45	4	14	21	71	.5	7	11	583	6.23	37	5	ND	2	20	1	4	4	17	.59	.324	9	4	.17	21	.01	2	.65	.01	.34	1	.01
89JNR-46	3	9	18	52	.3	3	5	153	4.16	46	5	ND	1	46	1	3	2	20	.81	.241	13	2	.21	113	.01	8	.90	.02	.38	1	.01
89JNR-47	6	3	23	39	.5	6	2	26	1.50	28	5	ND	1	10	1	2	2	7	.04	.071	13	5	.01	215	.01	27	.26	.01	.29	1	.02
89JNR-48	4	11	21	45	.5	6	7	68	8.48	44	5	ND	1	7	1	13	2	9	.16	.034	2	3	.05	10	.01	13	.24	.01	.21	1	.01
89JNR-49	18	9	21	259	.3	7	3	181	3.96	21	5	ND	2	13	1	3	2	4	.29	.022	12	5	.08	65	.01	13	.20	.01	.18	1	.01
89JNR-50	2	20	26	48	1.5	8	22	144	13.71	184	5	ND	1	11	1	9	8	12	.32	.037	2	2	.06	12	.01	24	.39	.01	.17	1	.08
89JNR-51	2	18	17	104	1.1	5	25	11	12.88	128	5	ND	1	6	1	4	2	13	.12	.040	2	1	.02	8	.01	2	.45	.01	.20	1	.05
89JNR-52	2	17	10	42	.6	4	26	26	11.76	103	5	ND	1	16	1	4	2	19	.28	.119	4	1	.03	13	.01	5	.58	.01	.24	1	.03
89JNR-53	1	15	5	45	.5	3	21	2774	7.96	101	5	ND	1	167	1	4	2	32	4.42	.087	3	1	1.84	28	.01	2	.35	.01	.16	1	.05
89JNR-54	1	15	10	45	.6	4	24	1961	8.50	114	5	ND	1	133	1	6	3	31	3.88	.380	3	1	1.36	30	.01	23	.45	.01	.19	1	.03
89JNR-55	1	23	3	32	.5	7	9	1284	6.81	17	5	ND	3	230	1	2	2	18	11.00	.133	11	4	1.46	137	.01	2	.68	.02	.19	1	.10
89JNR-56	2	10	20	39	.5	2	14	1417	6.97	18	5	ND	1	68	1	3	4	29	2.12	.081	4	1	.65	39	.01	5	.51	.01	.21	1	.21
89JNR-57	2	14	2	100	.5	2	25	1686	8.53	32	5	ND	1	60	1	3	2	44	1.65	.325	7	1	.91	68	.01	3	1.67	.01	.24	1	.03
89JNR-58	2	15	4	128	.2	1	23	2022	6.26	10	5	ND	1	19	1	3	2	30	.48	.144	9	1	.35	66	.01	20	.97	.01	.30	1	.01
89JNR-59	2	6	30	101	.1	8	3	622	2.19	9	5	ND	1	99	1	2	2	4	2.64	.053	2	6	.73	61	.01	2	.20	.01	.09	1	.01
89JNR-60	2	22	10	99	.7	12	6	98	4.46	7	5	ND	1	7	1	2	2	19	.08	.033	2	8	.61	35	.01	21	1.49	.01	.08	1	.01
89JNR-61	2	65	5	49	.1	11	12	382	2.98	719	5	ND	1	52	1	119	2	67	.84	.088	4	9	.60	31	.01	28	.65	.01	.09	1	.01
89JNR-62	1	2841	15	79	2.3	102	74	752	8.02	11	5	ND	1	65	2	2	2	103	2.36	.071	5	34	.86	43	.01	3	2.44	.07	.06	1	.02
89JNR-63	1	3769	9	111	3.1	335	218	569	18.12	9	9	ND	2	64	3	2	3	174	1.06	.061	4	56	1.32	16	.01	4	3.37	.18	.15	1	.04
89JNR-64	1	87	31	17	.8	5	18	2393	14.86	23	5	ND	1	79	1	4	2	14	3.64	.056	2	2	2.05	21	.01	22	.22	.01	.06	1	.02
89JNR-65	2	67	51	21	1.1	5	16	2556	19.68	19	5	ND	2	103	1	10	2	11	4.95	.038	3	1	2.32	24	.01	10	.24	.01	.06	1	.02
89GNR-32	2	106	14	59	.2	12	15	703	5.23	25	5	ND	1	143	1	3	2	238	.86	.259	10	12	.76	83	.01	10	1.36	.01	.11	1	.01
89GNR-33	1	106	4	104	.1	10	20	1173	9.03	13	5	ND	1	184	1	2	2	380	.82	.285	11	8	2.23	41	.01	11	3.86	.02	.06	1	.01
89GNR-34	2	29	6	28	.2	5	6	1440	1.84	24	5	ND	2	1843	1	2	3	53	21.92	.046	5	3	.59	37	.01	23	.35	.01	.05	1	.02
89GNR-35	6	131	2	59	.3	13	19	1310	6.22	1708	5	ND	2	367	1	91	2	75	9.31	.210	7	5	1.46	100	.01	19	.39	.01	.16	1	.02
89GNR-36	2	120	9	69	.1	12	21	1239	6.31	148	5	ND	2	371	1	31	2	52	9.18	.394	6	3	2.13	52	.01	10	.53	.01	.24	1	.01
89GNR-37	1	142	2	77	.2	8	17	1072	5.84	14	5	ND	2	369	1	2	2	183	4.81	.167	9	6	2.57	38	.01	4	3.06	.01	.13	1	.02
89GNR-38	6	20	39	198	12.9	6	6	180	4.82	70	5	ND	1	13	1	6	4	16	.12	.037	7	4	.03	46	.01	16	.21	.01	.16	1	.04
STD C	18	59	38	133	7.1	68	31	1022	4.07	42	18	7	36	47	18	15	18	57	.49	.089	37	54	.87	174	.06	35	1.94	.06	.14	13	.

✓ ASSAY RECOMMENDED

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	V PPM	Au** GM/T
89GNR-39	7	18	30	67	2.6	2	6	581	27.72	184	5	ND	3	1	1	52	2	69	.01	.017	2	12	.05	21	.01	2	.29	.01	.03	3	.01
89GNR-40	4	1	20	54	5.0	4	1	30	2.26	233	5	ND	2	11	1	12	3	1	.01	.016	11	3	.01	276	.01	3	.13	.01	.14	2	.10
89GNR-41	4	6	10	87	4.1	5	3	66	1.71	928	5	ND	1	4	1	20	2	6	.05	.039	8	4	.02	65	.01	6	.22	.01	.15	1	.12
89GNR-42	1	7	21	80	6.1	1	7	93	3.45	183	5	ND	1	9	1	17	4	44	.12	.097	9	6	.14	94	.01	4	.55	.01	.19	2	.10
89GNR-43	2	4	12	16	5.5	4	1	33	2.65	187	5	ND	1	4	1	13	3	4	.01	.041	6	3	.01	52	.01	14	.16	.01	.17	1	.06
89GNR-44	3	3	9	115	1.6	3	3	111	2.72	377	5	ND	2	7	1	11	2	7	.10	.066	11	25	.05	53	.01	7	.30	.01	.17	1	.10
89GNR-45	1	3	10	159	1	2	13	2093	5.79	50	5	ND	3	7	1	14	2	90	.24	.143	12	1	.41	52	.01	2	1.08	.01	.19	1	.01
89GNR-46	2	4	15	51	1.5	2	4	44	3.85	48	5	ND	2	7	1	14	2	7	.15	.104	9	14	.02	26	.01	8	.31	.01	.19	1	.09
89GNR-47	2	4	10	52	1.3	3	3	50	2.23	28	5	ND	2	8	1	4	2	6	.12	.080	11	3	.02	67	.01	15	.25	.01	.15	1	.03
89GNR-48	1	6	12	125	1.1	2	10	141	4.45	699	5	ND	2	8	1	20	2	45	.17	.139	9	7	.22	62	.01	5	.74	.01	.19	1	.08
89GNR-49	1	12	15	189	1.3	2	15	968	6.69	45	5	ND	3	6	1	12	2	73	.16	.150	10	2	.28	194	.01	9	.88	.01	.16	1	.03
89GNR-50	9	10	27	263	4.2	3	9	179	5.96	98	5	ND	2	9	1	15	4	176	.07	.105	3	14	.01	52	.04	2	.18	.01	.15	1	.09
89GNR-51	2	8	1621	109	29.8	3	4	215	4.12	1109	5	ND	2	9	1	93	2	19	.11	.068	5	3	.04	65	.01	16	.25	.01	.24	1	.71
89GNR-52	2	6	21	76	5	4	9	2479	5.56	48	5	ND	3	22	1	15	3	51	1.14	.144	9	12	.50	72	.01	7	1.33	.01	.18	2	.01
89GNR-53	2	8	22	85	2	3	5	690	4.01	28	5	ND	3	21	1	6	2	29	.29	.138	18	4	.28	110	.01	7	.92	.01	.28	1	.01
89GNR-54	3	2	24	34	2.5	2	3	386	2.66	47	5	ND	3	13	1	12	2	8	.16	.089	14	14	.05	109	.01	18	.38	.01	.24	2	.04
CR 027S 753W	10	9	155	113	13	4	1	27	.95	93	5	ND	3	5	1	2	2	1	.01	.007	18	3	.01	127	.01	2	.15	.01	.12	1	.01
CR 003W 685W	1	22	26	240	3	2	1	19	1.29	428	5	ND	2	7	2	2	2	2	.01	.006	18	18	.01	177	.01	20	.18	.01	.16	1	.02
CR 057W 672W	3	3	33	15	1.5	5	1	17	1.13	244	5	ND	2	19	1	2	2	3	.01	.012	13	4	.01	248	.01	2	.15	.01	.18	1	.03
CR 012S 775W	2	3	5	62	2	5	1	738	1.12	15	5	ND	2	26	1	2	2	1	.47	.011	16	28	.11	45	.01	2	.15	.04	.05	2	.01
CR 450M 545W	4	4	7	62	1	6	1	384	.97	54	5	ND	2	116	1	2	2	2	.85	.015	7	4	.12	114	.01	4	.14	.01	.12	1	.01
CR 031S 674W	2	4	11	9	1.2	4	1	22	1.03	123	5	ND	2	5	1	2	2	1	.01	.005	16	37	.01	95	.01	2	.11	.02	.11	2	.01
CR 560M 510W	3	4	98	38	2	6	1	23	1.03	125	5	ND	2	22	1	2	2	1	.01	.008	14	5	.01	160	.01	6	.12	.01	.18	1	.02
STD C	18	58	43	131	6.6	68	30	949	3.78	42	22	8	40	48	19	20	24	60	.44	.097	39	57	.88	175	.06	34	1.85	.06	.15	13	-

529 P06

FILE LHD

000 41 00 00.00

SAMPLE#	No PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	U PPM	Au** GM/T
101 G	2	3	6	53	1.0	2	8 2133	6.54	8	5	ND	1	33	1	6	2	49	2.04	.185	9	8	1.34	34	.01	2	1.83	.02	.16	1	.01	
102 G	3	3	11	90	.3	2	1 1190	2.51	3	5	ND	1	17	1	2	2	1	1.35	.008	9	21	.78	51	.01	2	.56	.01	.14	1	.01	
103 G	3	3	8	70	.3	4	1 1075	2.51	4	5	ND	1	19	1	2	2	1	1.07	.010	9	6	.65	51	.01	3	.47	.01	.14	1	.01	
104 G	4	9	8	128	1.2	3	2 1066	2.76	20	5	ND	1	23	1	2	2	1	1.43	.007	7	25	.69	46	.01	2	.24	.01	.14	1	.01	
105 G	4	6	17	30	1.5	2	1 1752	2.92	33	5	ND	1	59	1	4	2	1	4.02	.009	7	8	1.43	46	.01	2	.21	.01	.15	1	.02	
106 G	4	7	9	23	1.5	4	1 610	2.08	32	5	ND	1	19	1	2	2	1	1.19	.009	9	32	.44	33	.01	2	.24	.01	.18	1	.01	
107 G	4	6	9	62	1.0	5	1 784	2.20	17	5	ND	1	19	1	2	2	1	1.33	.009	9	6	.50	41	.01	2	.25	.01	.18	1	.01	
108 G	3	8	7	70	.9	1	1 772	2.29	14	5	ND	1	19	1	2	2	1	1.27	.008	9	28	.47	31	.01	2	.27	.01	.19	1	.01	
109 G	4	8	9	99	.4	4	1 880	2.27	11	5	ND	1	17	1	2	2	1	1.27	.008	8	6	.53	32	.01	3	.24	.01	.18	1	.01	
110 G	3	13	3	146	.5	2	1 857	2.43	11	5	ND	1	16	1	2	2	1	1.23	.009	9	26	.51	36	.01	4	.27	.01	.19	1	.01	
111 G	3	13	9	197	.4	3	1 793	2.36	16	5	ND	1	12	1	2	2	1	1.02	.010	9	5	.45	33	.01	4	.22	.01	.17	1	.01	
112 G	3	11	5	13	.5	2	1 1615	1.83	30	5	ND	1	40	1	2	2	1	2.96	.008	9	26	.97	31	.01	2	.18	.01	.15	1	.01	
113 G	3	4	14	24	.6	7	2 967	2.27	109	5	ND	1	31	1	2	2	1	1.73	.010	11	9	.48	30	.01	4	.20	.01	.15	1	.01	
114 G	3	5	6	61	.2	3	1 688	2.12	22	5	ND	1	18	1	2	2	1	.88	.009	11	25	.34	35	.01	5	.25	.01	.17	1	.01	
115 G	8	9	6	81	.2	3	1 839	2.39	11	5	ND	1	40	1	2	2	1	1.37	.012	11	7	.53	34	.01	5	.25	.01	.16	1	.01	
116 G	3	8	3	68	.2	2	1 1043	2.37	4	5	ND	1	21	1	2	2	1	1.10	.010	14	25	.54	47	.01	2	.42	.01	.16	2	.02	
117 G	7	6	12	184	.6	4	2 1426	2.72	12	5	ND	1	48	1	2	2	1	2.31	.009	6	11	.91	29	.01	7	.44	.01	.12	1	.01	
118 G	4	8	14	81	.6	4	1 791	2.76	12	5	ND	1	22	1	2	2	1	1.05	.010	8	23	.55	27	.01	9	.40	.01	.13	1	.01	
119 G	5	4	12	13	.5	3	1 1207	2.02	22	5	ND	1	35	1	2	2	1	1.94	.009	7	7	.80	42	.01	2	.17	.01	.12	1	.01	
120 G	3	7	47	139	.8	2	1 1456	2.23	17	5	ND	1	99	1	2	2	1	3.17	.007	5	7	.91	34	.01	6	.21	.01	.12	1	.01	
121 G	3	5	12	149	.3	4	1 1517	2.18	15	5	ND	1	39	1	2	2	1	2.01	.009	7	7	.79	32	.01	2	.21	.01	.14	1	.01	
122 G	2	13	31	104	.4	4	8 1134	4.89	10	5	ND	1	42	1	2	2	23	1.94	.090	5	10	.76	29	.01	8	1.78	.01	.18	1	.01	
123 G	3	9	6	168	.2	4	1 931	2.05	30	5	ND	1	44	1	2	2	1	1.47	.008	5	4	.22	54	.01	2	.40	.01	.14	1	.01	
124 G	3	7	2	23	.1	5	1 851	1.67	6	5	ND	1	39	1	2	2	1	1.44	.009	7	4	.18	47	.01	7	.44	.01	.15	3	.01	
125 G	5	9	9	39	.4	5	4 1074	4.82	36	5	ND	1	41	1	2	2	1	1.49	.045	4	5	.40	38	.01	3	1.18	.01	.18	1	.16	
126 G	4	23	4	42	.4	2	5 1831	6.49	16	5	ND	1	54	1	2	2	1	3.08	.083	6	8	.54	25	.01	2	1.71	.02	.15	1	.11	
127 G	6	29	12	50	.8	1	7 1370	9.44	21	5	ND	1	42	1	2	2	1	1.96	.085	4	13	.60	27	.01	9	2.10	.02	.25	1	.01	
128 G	3	13	11	45	.3	2	5 1385	6.45	42	5	ND	1	42	1	2	2	1	2.14	.080	6	8	.51	31	.01	2	1.84	.03	.20	1	.03	
129 G	1	14	29	180	.7	2	13 2112	7.52	16	5	ND	1	75	1	6	2	87	2.92	.228	7	13	1.26	74	.01	2	2.23	.02	.14	1	.02	
130 G	2	52	10280	5591	11.1	3	15 1514	10.48	365	6	ND	1	58	39	14	2	45	2.04	.183	4	15	1.11	25	.01	3	1.55	.02	.16	1	.58	
131 G	2	11	43	1093	.8	2	12 1609	7.04	18	5	ND	1	32	3	5	2	79	1.84	.237	7	12	1.38	39	.01	6	2.21	.02	.17	1	.02	
132 G	1	6	23	123	.3	2	12 1594	7.71	11	5	ND	1	70	1	2	2	94	2.51	.237	9	11	1.30	48	.01	2	2.66	.02	.14	1	.01	
133 G	1	16	528	372	.7	2	13 1699	7.83	4	5	ND	1	86	1	2	2	98	2.49	.222	10	11	1.52	55	.01	2	2.67	.02	.10	1	.01	
134 G	1	37	53	342	.9	3	14 1686	8.08	34	5	ND	1	41	1	4	2	80	1.94	.220	9	12	1.32	36	.01	2	2.02	.03	.14	1	.06	
135 G	2	18	18	131	.3	5	6 1190	4.05	8	5	ND	1	36	1	2	2	27	1.34	.115	9	10	1.00	45	.01	13	1.55	.01	.16	1	.01	
136 G	2	25	88	79	.6	5	11 1803	6.20	11	5	ND	1	35	1	4	2	27	2.37	.161	8	13	1.33	40	.01	2	1.49	.01	.20	1	.04	
STD C	17	59	42	133	6.8	67	30 997	4.14	41	22	7	37	47	18	15	21	57	.48	.097	37	55	.87	175	.06	34	1.93	.06	.14	13	-	

✓ ASSAY RECOMMENDED

529 P07

Granges Exploration Ltd. PROJECT 134 FILE # 89-4233

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE X	AS PPM	U PPM	ALU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA X	P X	LA PPM	CR PPM	Mg X	Ba PPM	Ti X	B PPM	Al X	Na X	K X	W PPM	Al ₂ O ₃ GM/T
137 G	5	8	9	155	.3	4	6	1543	4.32	13	5	ND	1	29	1	2	2	25	1.94	.093	9	10	1.31	47	.01	2	1.63	.01	.19	2	.02
138 G	1	28	39	71	.7	3	13	2101	7.52	15	5	ND	1	45	1	2	2	62	3.22	.202	8	9	1.79	50	.01	3	1.68	.02	.15	1	.11
139 G	2	30	28	157	1.0	4	12	2151	7.50	67	5	ND	1	56	1	5	2	31	3.88	.330	6	11	1.93	31	.01	5	1.07	.01	.18	1	.11
140 G	3	29	12	77	.7	8	10	1484	4.86	23	5	ND	1	43	1	2	2	22	2.40	.120	4	11	1.31	42	.01	3	.80	.01	.25	1	.04
141 G	4	32	22	106	1.1	6	9	1881	6.17	34	5	ND	1	56	1	10	2	15	4.23	.077	3	9	2.33	32	.01	2	.94	.01	.21	1	.06
142 G	1	16	18	33	.9	7	8	1388	4.99	94	5	ND	1	47	1	4	2	12	3.45	.103	4	13	1.80	40	.01	8	.54	.01	.28	1	.08
143 G	1	16	26	12	1.7	8	10	713	5.53	170	5	ND	1	31	1	4	2	9	2.14	.091	4	10	.83	38	.01	2	.44	.01	.27	1	.14
144 G	2	13	806	566	4.3	5	4	3062	5.63	3362	8	ND	1	124	2	23	2	6	7.15	.038	2	9	2.48	49	.01	14	.18	.01	.10	1	.50
145 G	3	11	391	705	1.9	5	3	1058	4.12	1167	7	ND	1	56	2	9	2	5	3.11	.049	2	9	1.29	44	.01	10	.21	.01	.09	1	.56
146 G	2	9	64	212	1.5	2	3	4028	4.77	154	5	ND	1	94	1	13	2	5	11.91	.033	2	4	3.27	54	.01	2	.23	.01	.10	1	.06
147 G	1	58	368	1268	1.9	2	3	6188	5.18	179	5	ND	1	116	3	13	2	3	15.47	.039	3	1	5.10	21	.01	8	.17	.01	.09	1	.12
148 G	1	18	84	1281	1.1	3	2	5810	4.35	127	5	ND	1	104	1	4	3	3	14.04	.021	3	1	4.67	21	.01	2	.21	.01	.12	1	.08
149 G	1	31	73	67	1.2	6	5	1994	3.36	544	5	ND	1	46	1	11	2	6	3.95	.032	2	7	1.47	33	.01	2	.44	.01	.25	1	.26
150 G	1	27	100	217	1.4	9	6	1620	2.68	100	5	ND	1	43	1	5	2	6	3.33	.036	2	9	1.28	58	.01	3	.42	.01	.22	1	.07
183 G	5	6	6	152	.2	6	1	947	2.72	7	5	ND	1	17	1	2	2	1	1.11	.009	10	10	.64	36	.01	5	.70	.01	.16	1	.01
184 G	5	9	8	255	.3	5	1	689	2.61	7	5	ND	1	15	1	2	2	1	.94	.010	9	8	.53	36	.01	4	.56	.01	.17	1	.02
185 G	5	25	6	210	1.4	5	1	696	3.00	22	5	ND	1	20	1	2	2	1	1.06	.010	7	7	.48	41	.01	3	.44	.01	.18	1	.09
186 G	4	20	9	64	.4	6	1	807	2.30	10	5	ND	1	22	1	4	2	1	1.18	.011	9	10	.49	60	.01	2	.29	.01	.20	1	.01
187 G	4	20	1899	2855	6.3	3	1	801	4.57	108	5	ND	1	36	1	10	2	1	2.04	.010	6	7	.74	39	.01	3	.21	.01	.16	1	.02
188 G	4	6	117	167	2.7	4	1	550	3.20	94	5	ND	1	29	1	3	2	1	1.20	.009	7	4	.38	42	.01	2	.20	.01	.15	1	.04
189 G	5	10	36	42	2.1	4	1	226	3.08	75	5	ND	1	9	1	2	2	1	.43	.009	9	2	.17	43	.01	3	.28	.01	.20	2	.03
190 G	3	12	15	51	1.0	3	1	1174	3.08	44	5	ND	1	55	1	2	2	1	2.68	.011	7	7	.85	44	.01	5	.27	.01	.20	1	.06
191 G	4	25	17	42	1.6	3	1	508	2.57	26	5	ND	1	24	1	3	2	1	.79	.010	11	3	.30	45	.01	3	.34	.01	.23	1	.02
192 G	5	14	13	67	.5	3	1	769	2.61	14	5	ND	1	14	1	2	2	1	.95	.012	12	4	.42	45	.01	2	.33	.01	.22	1	.01
193 G	4	5	8	53	.2	3	1	852	1.90	3	5	ND	1	22	1	2	2	1	.98	.010	12	4	.43	41	.01	7	.33	.01	.20	1	.02
194 G	4	4	3	76	.3	6	1	1320	2.17	5	5	ND	1	82	1	2	2	1	2.48	.010	12	10	.55	59	.01	3	.36	.01	.20	1	.01
195 G	4	8	6	125	.2	3	2	1407	3.45	6	5	ND	1	20	1	2	2	1	1.40	.012	13	6	.65	44	.01	2	.37	.01	.22	1	.26
196 G	3	5	2	45	.1	2	2	1267	2.21	3	5	ND	1	18	1	2	3	1	1.34	.014	15	4	.60	52	.01	5	.31	.01	.20	1	.03
197 G	3	5	2	72	.2	3	1	1282	2.15	2	5	ND	1	39	1	2	3	1	1.89	.015	18	7	.66	44	.01	3	.35	.01	.23	1	.01
198 G	3	5	6	107	.2	3	1	1105	2.20	4	5	ND	1	25	1	2	2	1	1.86	.014	16	7	.80	52	.01	2	.45	.01	.21	1	.02
199 G	4	7	7	107	.3	3	3	1377	2.61	10	5	ND	1	26	1	2	2	1	1.85	.015	14	6	.76	43	.01	2	.40	.01	.20	1	.02
200 G	3	8	18	60	1.1	3	12	2019	7.16	14	5	ND	1	30	1	2	2	37	1.78	.176	13	9	1.19	44	.01	7	1.58	.01	.24	1	.07
201 G	3	13	9	261	.7	3	12	1844	6.10	16	5	ND	1	52	1	2	2	40	2.34	.102	7	9	1.21	44	.01	2	.62	.01	.17	1	.04
202 G	3	7	12	69	.4	3	8	1512	5.08	13	5	ND	1	51	1	2	2	19	2.27	.098	7	8	1.25	48	.01	18	.49	.01	.16	1	.03
203 G	4	6	11	76	.2	5	7	1444	5.48	10	5	ND	1	37	1	2	2	25	2.09	.104	11	10	1.52	35	.01	2	1.32	.01	.17	1	.01
204 G	2	7	8	73	.2	4	7	1353	5.25	8	5	ND	1	34	1	2	2	26	2.14	.097	11	9	1.55	33	.01	2	1.48	.01	.16	1	.02
STD C	17	58	43	133	6.7	67	30	943	4.16	39	21	8	37	47	18	15	21	57	.48	.096	37	55	.88	173	.06	34	1.93	.06	.14	13	-

529 P08

UNW

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	V ALUM GM/T	
205 G	3	8	22	80	.3	2	8	1635	4.87	.8	5	ND	1	38	1	2	2	24	2.46	.077	9	9	1.59	40	.01	2	1.51	.01	.13	1	.03
206 G	1	10	7	158	.5	2	10	2131	6.56	.2	5	ND	1	52	1	3	2	61	3.11	.161	8	12	1.99	30	.01	4	2.21	.01	.12	1	.06
207 G	3	5	11	78	.4	4	9	1695	6.08	.8	5	ND	1	40	1	2	2	38	2.21	.112	10	12	1.64	40	.01	6	1.96	.01	.15	1	.04
208 G	4	12	20	191	.4	4	9	1676	4.86	.10	5	ND	1	48	1	5	2	20	2.32	.117	9	9	1.27	34	.01	3	.94	.01	.16	1	.13
209 G	3	21	8	48	.5	4	6	1218	4.01	.13	5	ND	1	31	1	3	3	8	1.65	.050	8	9	.93	42	.01	2	.79	.01	.13	2	.05
210 G	2	7	2	104	.3	3	7	1695	5.16	.8	5	ND	1	52	1	2	2	18	2.39	.100	8	8	1.52	41	.01	3	.47	.01	.18	1	.15
211 G	3	5	2	43	.1	5	4	1349	3.40	.5	5	ND	1	30	1	2	2	6	2.08	.033	8	10	1.10	40	.01	4	.93	.02	.10	1	.03
212 G	2	4	3	59	.4	2	9	1839	5.90	.7	5	ND	1	42	1	3	2	50	2.79	.148	8	11	1.69	45	.01	5	1.83	.02	.16	1	.04
213 G	1	6	5	67	.5	1	8	3097	6.77	.2	5	ND	1	66	1	7	2	59	4.59	.126	8	11	2.35	73	.01	9	1.98	.02	.12	1	.03
214 G	1	4	6	32	.8	1	6	4995	4.94	.13	5	ND	1	170	1	7	2	27	14.92	.105	6	8	2.93	29	.01	2	1.04	.01	.10	1	.01
215 G	1	21	2	71	1.1	1	9	3228	5.18	.22	5	ND	1	74	1	9	2	32	6.20	.166	6	8	2.81	38	.01	7	1.35	.02	.16	1	.11
216 G	2	14	13	1022	1.5	1	8	1697	6.69	.73	5	ND	1	41	3	7	2	29	3.28	.171	6	11	1.88	37	.01	3	1.50	.01	.23	1	.08
217 G	2	21	30	2161	3.6	2	9	3049	9.48	.135	5	ND	1	65	5	12	2	21	5.67	.144	5	13	2.90	23	.01	12	1.16	.01	.16	1	.09
218 G	3	7	8	43	1.0	2	4	1281	3.78	.35	5	ND	1	32	1	2	2	5	2.03	.066	5	8	1.16	56	.01	3	.61	.01	.25	1	.86
219 G	2	5	3	73	1.2	1	3	5771	4.70	.60	5	ND	1	111	1	8	2	3	9.89	.029	4	7	3.33	40	.01	2	.44	.01	.12	1	.31
220 G	1	11	21	295	1.9	2	6	5164	7.41	.102	5	ND	1	76	1	12	2	13	7.61	.066	4	10	3.27	23	.01	3	.51	.01	.12	1	.41
221 G	3	11	13	281	1.8	3	8	1388	5.45	.36	5	ND	1	27	1	7	2	12	1.45	.113	6	8	1.05	48	.01	5	.52	.01	.24	1	.05
222 G	5	9	2	236	.1	2	2	1053	2.27	.3	5	ND	1	11	1	2	2	1	.52	.008	10	3	.24	58	.01	2	.30	.01	.15	1	1.02
223 G	4	9	2	101	.2	2	1	1088	2.40	.4	5	ND	1	66	1	2	2	1	2.08	.011	7	7	.77	57	.01	2	.28	.01	.17	1	.32
224 G	5	13	3	83	.1	4	1	982	2.25	.4	5	ND	1	12	1	2	2	1	.75	.012	9	6	.40	51	.01	2	.33	.01	.16	1	.02
225 G	5	17	2	125	.1	3	1	1000	2.20	.3	5	ND	1	17	1	2	2	1	.88	.011	9	6	.45	51	.01	2	.26	.01	.16	1	.01
226 G	5	20	3	266	.2	3	2	938	2.28	.5	5	ND	1	11	1	2	2	1	.48	.012	9	5	.35	90	.01	2	.33	.01	.15	1	.03
227 G	5	29	39	220	.1	4	2	771	2.24	.4	5	ND	1	10	1	2	2	1	.45	.013	9	6	.40	66	.01	2	.56	.01	.18	1	.04
228 G	5	22	40	237	.3	4	2	651	2.11	.35	5	ND	1	13	1	2	2	1	.44	.012	9	6	.38	54	.01	7	.41	.01	.19	1	.08
229 G	5	18	35	243	.4	3	1	810	2.47	.138	5	ND	1	23	1	3	2	1	1.03	.012	6	7	.55	49	.01	4	.24	.01	.18	1	.15
230 G	5	22	378	321	.9	5	2	209	3.14	.230	5	ND	1	9	1	3	2	1	.14	.008	6	3	.08	54	.01	3	.26	.01	.21	1	.22
231 G	5	18	15	123	.2	3	1	751	2.10	.59	5	ND	1	31	1	2	2	1	1.02	.008	6	6	.44	48	.01	2	.22	.01	.16	1	.02
232 G	4	13	5	18	.1	3	1	1034	2.28	.7	5	ND	1	24	1	2	2	1	.97	.009	8	6	.51	51	.01	4	.22	.01	.15	1	.02
233 G	5	10	2	17	.1	2	2	967	2.40	.3	5	ND	1	14	1	2	2	1	.62	.012	9	6	.47	51	.01	8	.39	.01	.18	1	.01
234 G	5	19	2	15	.1	3	1	600	2.26	.11	5	ND	1	12	1	2	2	1	.34	.011	8	5	.34	55	.01	6	.41	.01	.16	1	.05
235 G	5	26	6	88	.3	4	2	482	2.18	.51	5	ND	1	15	1	2	2	1	.41	.013	8	5	.35	53	.01	2	.28	.01	.18	1	.03
236 G	6	13	23	47	.3	3	2	612	2.61	.99	5	ND	1	18	1	2	2	1	.56	.012	7	7	.50	46	.01	6	.29	.01	.17	1	.09
237 G	6	354	6992	2720	15.4	2	2	1633	4.26	.177	5	ND	1	67	10	21	2	1	3.11	.015	7	9	1.35	30	.01	2	.23	.01	.16	1	.14
238 G	6	20	20	39	.2	4	2	466	2.18	.102	5	ND	1	21	1	2	2	1	.51	.008	7	6	.37	54	.01	2	.25	.01	.19	1	.61
239 G	5	19	32	296	.3	3	2	860	2.90	.43	5	ND	1	23	1	2	2	1	.96	.011	8	7	.51	44	.01	2	.27	.01	.19	1	.03
240 G	6	21	2	186	.1	3	1	737	2.19	.8	5	ND	1	18	1	2	2	1	.66	.012	9	4	.31	51	.01	6	.24	.01	.18	1	.01
STD C	18	59	37	132	6.7	67	30	990	4.11	.40	18	7	36	47	18	15	19	57	.48	.096	37	55	.88	175	.06	33	1.92	.06	.14	12	-

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Granges Exploration Ltd. PROJECT 134 FILE # 89-4233

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe X	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca X	P X	La PPM	Cr PPM	Mg X	Ba PPM	Ti X	B PPM	Al X	Na X	K X	V PPM	AM** G/T
241 G	6	10	6	201	.1	5	1	743	2.58	6	5	ND	1	11	1	2	2	1	.39	.013	11	4	.31	46	.01	4	.37	.01	.18	1	.02
242 G	6	8	4	84	.1	5	1	1059	2.50	4	5	ND	1	19	1	2	2	1	.82	.014	13	6	.43	65	.01	3	.31	.01	.19	2	.01
243 G	5	8	8	82	.1	5	2	1118	3.00	7	5	ND	1	19	1	2	2	2	.96	.021	11	7	.55	41	.01	3	.41	.01	.18	1	.02
244 G	5	15	16	171	.1	4	1	1193	2.48	5	5	ND	1	19	1	2	2	1	.83	.011	11	5	.36	38	.01	2	.30	.01	.19	1	.01
245 G	5	8	38	170	.2	5	1	921	2.45	6	5	ND	1	26	1	2	2	1	.93	.012	9	5	.45	31	.01	2	.32	.01	.20	1	.02
246 G	7	6	216	696	.4	6	2	1395	3.25	73	5	ND	1	72	3	2	2	1	1.88	.010	6	8	1.00	49	.01	9	.31	.01	.19	1	.12
247 G	7	7	114	446	.3	4	2	999	2.79	32	5	ND	1	25	2	2	2	1	1.00	.010	9	5	.44	33	.01	6	.35	.01	.21	1	.20
248 G	8	5	34	446	.4	7	2	907	2.84	33	5	ND	1	18	2	2	2	1	.84	.011	9	6	.39	41	.01	2	.32	.01	.19	1	.04
249 G	6	6	38	291	.1	4	1	1711	3.15	47	5	ND	1	35	1	2	2	1	1.99	.010	12	8	1.14	36	.01	2	.32	.01	.20	1	.07
250 G	6	18	32	222	.2	4	1	1093	2.20	5	5	ND	1	65	1	2	2	1	1.50	.009	11	6	.75	31	.01	4	.35	.01	.20	1	.04
251 G	6	22	36	492	.6	4	1	1061	2.96	18	5	ND	1	17	2	2	2	1	.43	.007	11	3	.24	29	.01	6	.35	.01	.18	1	.03
252 G	4	14	7	272	.4	17	10	1130	3.89	13	5	ND	1	22	1	3	2	1	.83	.042	8	4	.49	36	.01	2	.51	.01	.24	1	.01
253 G	5	7	8	336	.1	3	4	1019	2.41	4	5	ND	1	15	1	2	2	1	.49	.024	13	2	.25	177	.01	7	.43	.01	.22	1	.15
254 G	4	6	7	264	.1	3	3	1297	2.64	5	5	ND	1	16	1	2	2	1	.68	.022	15	3	.32	83	.01	3	.44	.01	.19	2	.02
255 G	5	5	7	127	.1	5	3	986	1.70	10	5	ND	1	22	1	2	2	1	1.01	.016	15	5	.45	115	.01	3	.41	.01	.19	1	.03
256 G	2	17	13	52	.3	9	12	1927	5.83	22	5	ND	1	56	1	2	2	21	2.23	.068	5	10	1.39	39	.01	3	.54	.01	.19	1	.03
257 G	1	28	4	64	.5	7	12	2829	6.92	24	5	ND	1	78	1	2	2	34	3.08	.098	8	10	1.63	45	.01	2	.52	.01	.12	1	.04
258 G	3	8	7	567	.2	4	4	1513	3.07	16	5	ND	1	53	1	3	2	5	2.02	.026	7	6	.78	38	.01	3	.41	.01	.20	1	.02
259 G	3	9	7	632	.2	6	9	1697	4.32	13	5	ND	1	35	1	2	2	30	1.84	.063	10	6	.75	42	.01	3	.59	.01	.18	1	.05
260 G	1	6	5	301	.3	9	14	1790	7.48	8	5	ND	1	32	1	2	2	25	1.78	.109	13	10	1.12	60	.01	6	.72	.01	.28	1	.03
261 G	1	12	15	260	.4	9	14	1897	7.61	6	5	ND	1	30	1	2	2	29	1.45	.110	12	10	1.11	53	.01	9	.77	.01	.27	1	.07
262 G	1	10	6	123	.3	8	15	1591	7.15	9	5	ND	1	23	1	2	2	24	1.25	.112	12	9	1.05	51	.01	10	.71	.01	.29	1	.03
263 G	3	12	7	128	.2	4	4	975	2.12	17	5	ND	1	79	1	2	2	1	1.72	.013	5	7	.72	36	.01	6	.39	.01	.22	1	.06
264 G	5	10	79	180	.4	6	1	549	1.32	7	5	ND	1	34	1	2	2	1	.61	.002	15	7	.32	67	.01	11	.30	.01	.16	1	.01
265 G	4	12	19	160	.1	6	1	669	1.16	6	5	ND	1	27	1	2	2	1	.95	.001	21	8	.42	25	.01	2	.31	.01	.19	1	.08
266 G	3	11	16	66	.2	4	1	747	1.09	6	5	ND	1	54	1	2	2	1	1.48	.002	19	8	.52	68	.01	2	.23	.01	.16	1	.01
267 G	6	10	24	165	.2	5	1	473	1.05	6	5	ND	1	35	1	3	2	1	.88	.001	24	8	.32	31	.01	2	.24	.01	.15	1	.05
268 G	4	13	19	231	.1	5	1	527	.94	12	5	ND	1	23	1	2	2	1	.81	.001	23	8	.33	25	.01	4	.29	.01	.16	1	.03
269 G	4	2	63	208	.1	3	1	894	1.29	22	5	ND	1	53	1	2	2	1	1.60	.002	19	7	.71	21	.01	4	.33	.01	.21	1	.05
270 G	4	44	276	248	1.4	6	1	347	2.17	48	5	ND	1	17	1	14	2	1	.68	.003	9	6	.28	34	.01	2	.25	.01	.15	1	.06
271 G	4	67	713	1357	5.4	6	3	1257	5.88	95	5	ND	1	68	5	31	2	1	3.07	.004	4	11	1.26	17	.01	2	.09	.01	.06	1	.19
272 G	4	100	579	1916	9.0	5	2	1006	3.47	68	5	ND	1	39	7	47	2	1	2.37	.003	4	10	.99	16	.01	5	.18	.01	.12	1	.31
273 G	6	31	169	497	1.0	8	1	1205	2.02	41	5	ND	1	40	2	11	2	1	3.44	.003	5	11	1.46	18	.01	9	.21	.01	.12	1	.07
274 G	5	22	112	611	.3	7	1	133	1.38	42	5	ND	1	6	1	3	2	1	.10	.003	10	5	.04	66	.01	4	.18	.01	.14	1	.05
275 G	5	27	28	316	.4	7	1	100	1.43	42	5	ND	1	18	1	2	2	1	.14	.002	10	5	.07	31	.01	6	.23	.01	.15	1	.06
276 G	5	20	72	285	.3	4	1	60	1.09	29	5	ND	1	5	1	2	2	1	.08	.001	11	3	.05	21	.01	4	.29	.01	.18	1	.09
STD C	17	58	41	133	6.7	67	30	997	4.13	38	19	7	37	47	18	15	22	57	.48	.097	37	52	.87	175	.06	35	1.93	.06	.14	11	-

529 P10

SAMPLE#	No PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	AU PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	U PPM	Au** G/T
277 G	5	23	27	154	1	3	1	179	1.07	36	5	ND	1	10	1	2	3	1	.21	.002	8	1	.10	29	.01	4	.32	.01	.19	1	.03
278 G	5	40	146	362	4	3	1	837	1.53	57	5	ND	1	42	1	2	2	1	1.02	.003	7	7	.56	73	.01	2	.22	.01	.14	1	.03
279 G	5	7	41	172	3	3	1	771	1.60	71	5	ND	1	31	1	2	2	1	.81	.008	7	5	.57	25	.01	5	.36	.01	.21	1	.02
280 G	5	6	30	256	1	1	1	1197	1.94	64	5	ND	1	38	1	2	2	1	1.05	.003	10	6	.80	23	.01	2	.35	.01	.21	1	.05
281 G	4	33	19	142	3	5	3	1061	2.15	20	5	ND	1	44	1	3	2	2	1.23	.032	6	5	.56	29	.01	4	.32	.01	.21	1	.02
282 G	6	43	13	123	4	7	7	1741	3.27	26	5	ND	1	68	1	2	2	5	2.06	.042	7	7	.99	45	.01	8	.42	.01	.25	1	.02
283 G	4	12	8	80	1	4	2	1667	1.83	13	5	ND	1	84	1	2	2	1	2.10	.015	5	7	.89	38	.01	2	.26	.01	.17	1	.01
284 G	3	28	12	179	3	4	5	1611	2.55	20	5	ND	1	56	1	2	2	3	1.65	.030	6	6	.83	38	.01	9	.36	.01	.22	1	.01
285 G	3	22	9	137	4	9	9	2371	4.33	19	5	ND	1	78	1	2	2	8	2.28	.053	7	8	1.32	41	.01	2	.41	.01	.22	1	.01
286 G	4	19	534	1188	8	4	2	1491	2.12	32	5	ND	1	91	4	2	2	1	2.26	.011	6	7	.97	57	.01	5	.24	.01	.16	1	.02
287 G	4	5	25	192	3	4	2	1041	2.00	92	5	ND	1	56	1	2	3	1	1.79	.013	6	7	.72	50	.01	2	.30	.01	.19	1	.08
288 G	4	4	18	141	2	3	2	1988	2.15	74	5	ND	1	107	1	2	2	1	3.06	.011	7	8	1.25	57	.01	7	.24	.01	.17	1	.08
289 G	3	30	20	106	7	7	9	2122	3.92	51	5	ND	1	83	1	5	2	5	2.69	.055	5	7	1.38	26	.01	3	.39	.01	.21	1	.03
290 G	2	18	27	161	6	6	5	2788	3.94	43	5	ND	1	73	1	5	2	3	4.29	.032	5	7	2.08	25	.01	3	.33	.01	.18	1	.04
291 G	3	11	207	53	2.0	9	6	2013	4.70	242	5	ND	1	66	1	2	2	4	3.90	.043	5	6	1.77	26	.01	4	.35	.01	.20	1	.19
292 G	4	52	8	129	3	5	4	2696	2.69	16	5	ND	1	75	1	13	2	3	3.83	.038	8	6	1.79	52	.01	2	.34	.01	.20	1	.02
293 G	1	24	11	64	3	11	8	1634	3.96	12	5	ND	1	35	1	2	2	8	2.34	.057	7	8	1.27	47	.01	6	.43	.01	.24	1	.03
294 G	1	17	2	43	5	6	6	2755	3.95	11	5	ND	1	78	1	2	2	4	4.52	.040	9	6	2.00	29	.01	2	.35	.01	.19	1	.01
295 G	3	17	12	28	4	8	6	1325	3.20	16	5	ND	1	37	1	2	2	5	1.91	.047	7	7	.96	32	.01	8	.42	.01	.21	1	.01
296 G	5	8	16	27	2	2	3	1575	3.31	57	5	ND	1	58	1	2	2	1	2.76	.020	8	6	1.19	24	.01	4	.30	.01	.16	1	.05
297 G	4	16	6	42	4	7	8	1678	4.19	24	5	ND	1	41	1	2	2	4	2.26	.042	9	6	1.10	35	.01	2	.38	.01	.21	1	.02
298 G	4	10	7	35	2	2	1	1133	2.44	51	5	ND	1	40	1	2	2	1	1.81	.007	6	6	.75	45	.01	2	.29	.01	.18	1	.04
299 G	2	8	12	13	1	2	3	1009	2.95	79	5	ND	1	30	1	2	2	1	1.64	.013	7	6	.72	48	.01	5	.32	.01	.20	1	.07
300 G	3	16	8	36	3	8	5	1302	2.74	34	5	ND	1	27	1	2	2	3	1.74	.038	8	7	.83	32	.01	2	.33	.01	.19	1	.02
301 G	8	23	12	20	2	3	2	1097	2.32	7	5	ND	1	26	1	3	2	1	1.57	.017	7	6	.73	55	.01	2	.36	.01	.22	1	.01
302 G	7	35	12	27	3	2	2	1625	3.21	13	5	ND	1	64	1	2	3	1	2.21	.018	5	5	1.01	33	.01	2	.35	.01	.21	1	.05
303 G	2	22	5	19	4	5	5	1669	2.44	10	5	ND	1	47	1	2	2	3	1.79	.039	7	6	.89	34	.01	4	.38	.01	.20	1	.01
304 G	1	68	5	51	6	6	10	1498	4.43	56	5	ND	1	36	1	15	2	10	1.85	.103	7	6	.90	35	.01	2	.52	.01	.27	1	.03
305 G	9	5	13	78	6	4	3	730	2.13	94	5	ND	1	31	1	3	2	2	1.31	.014	5	4	.53	60	.01	2	.38	.01	.21	1	.07
306 G	5	9	21	46	5	5	3	957	2.22	131	5	ND	1	41	1	2	2	2	1.60	.028	5	6	.59	32	.01	3	.36	.01	.19	1	.09
307 G	4	83	269	1699	2.1	5	3	658	5.51	208	5	ND	1	31	5	14	2	1	.91	.005	3	5	.35	23	.01	2	.31	.01	.18	1	.18
308 G	2	610	7484	7730	21.8	3	9	805	16.89	571	6	ND	1	59	26	84	2	1	1.33	.001	2	11	.63	11	.01	5	.10	.01	.06	1	.72
309 G	3	1453	17498/15050	76.2	4	4	8	2145	17.20	621	7	2	1	80	49	248	2	1	2.35	.002	2	17	1.57	1	.01	6	.11	.01	.05	3	1.01
310 G	19	164	797	1248	6.0	12	18	298	15.07	1839	8	ND	1	23	3	19	2	4	.48	.023	2	8	.18	11	.01	10	.22	.01	.12	1	1.48
311 G	18	72	459	298	3.2	10	13	297	4.84	366	5	ND	1	25	1	18	2	4	.58	.032	2	4	.22	27	.01	5	.30	.01	.17	1	.36
312 G	9	44	82	311	2.1	10	9	252	3.85	312	8	ND	1	22	1	13	2	5	.53	.023	2	4	.21	31	.01	3	.31	.01	.18	1	.36
STD C	17	58	42	139	6.7	66	30	1027	4.12	37	21	7	36	48	17	15	20	56	.48	.093	37	56	.88	175	.06	33	1.92	.06	.14	12	-

✓ ASSAY RECOMMENDED

529 P11

529 P11

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
313 G	2	66	405	458	2.9	11	11	389	5.52	341	6	ND	1	49	2	22	2	4	1.23	.064	2	7	.46	27	.01	2	.42	.01	.22	1	.28
314 G	13	45	386	363	2.8	21	16	566	6.65	439	5	ND	1	38	2	17	4	8	1.12	.075	2	8	.50	14	.01	9	.49	.01	.24	1	.34
315 G	1	37	2	98	.6	6	16	1197	6.60	24	5	ND	1	20	1	2	2	20	1.12	.062	3	9	.99	39	.01	5	.54	.01	.22	1	.25
316 G	1	16	4	88	.2	7	7	1066	2.84	8	5	ND	1	28	1	2	3	5	1.80	.033	7	7	.86	37	.01	2	.41	.01	.20	1	.01
317 G	1	19	4	99	.1	4	6	861	3.05	9	5	ND	1	21	1	2	2	4	1.33	.028	8	6	.71	63	.01	3	.35	.01	.19	1	.01
318 G	1	7	2	96	.1	4	4	677	1.69	3	5	ND	2	19	1	2	2	3	1.15	.031	13	6	.63	68	.01	4	.37	.01	.21	2	.01
319 G	1	10	2	85	.1	4	6	721	2.18	6	5	ND	1	21	1	2	2	4	1.15	.041	11	6	.63	83	.01	2	.40	.01	.21	1	.01
320 G	2	19	2	95	.1	7	11	1296	3.96	6	5	ND	1	43	1	2	2	12	2.00	.085	9	9	.91	67	.01	7	.62	.01	.20	1	.01
321 G	2	23	10	86	.2	5	10	1526	5.33	5	5	ND	1	51	1	2	2	20	2.19	.115	7	11	1.00	35	.01	2	.73	.02	.16	1	.02
322 G	3	16	2	100	.1	7	11	1271	5.13	7	5	ND	1	38	1	2	2	17	1.44	.136	9	9	.74	52	.01	9	.65	.02	.23	1	.01
323 G	2	19	6	104	.2	5	10	901	3.99	9	5	ND	1	105	1	2	2	11	1.32	.107	5	9	.70	124	.01	2	.53	.01	.24	1	.02
324 G	1	78	7	135	1.0	7	19	627	6.66	65	5	ND	1	111	1	2	2	9	1.76	.094	2	10	.95	34	.01	15	.51	.01	.23	1	.02
325 G	1	71	219	330	2.0	6	12	547	4.88	106	5	ND	1	169	1	4	2	10	3.19	.089	2	9	1.29	25	.01	7	.47	.01	.23	1	.06
326 G	7	987	2135	30526	38.5	17	11	454	15.19	606	7	ND	1	37	100	28	2	6	.67	.027	2	12	.34	8	.01	2	.32	.01	.18	1	.90
327 G	4	41	65	194	2.1	14	10	1134	4.32	179	5	ND	1	50	1	5	2	6	1.73	.079	3	7	.83	38	.01	5	.45	.01	.23	1	.08
328 G	5	1059	21003	13979	47.4	10	8	1272	10.02	469	6	ND	1	85	48	233	2	4	2.85	.023	2	14	1.03	19	.01	3	.29	.01	.15	1	.58
329 G	8	110	609	423	6.0	26	11	629	4.86	77	5	ND	1	47	2	22	2	11	.91	.052	2	9	.80	51	.01	3	.58	.01	.31	1	.08
330 G	5	36	72	144	1.1	17	12	1357	4.96	43	5	ND	1	46	1	10	2	15	2.33	.084	4	11	1.47	51	.01	3	.50	.01	.21	1	.03
331 G	12	57	30	139	1.3	28	10	853	4.25	49	5	ND	1	52	1	13	3	8	1.61	.078	2	8	.97	46	.01	7	.46	.01	.25	1	.05
332 G	10	58	47	164	1.4	27	10	684	4.75	66	5	ND	1	33	1	13	2	9	.84	.068	2	9	.84	48	.01	9	.51	.01	.27	1	.02
333 G	9	51	32	165	1.4	27	11	657	4.47	53	5	ND	1	60	1	10	2	9	.82	.053	2	7	.76	35	.01	9	.47	.01	.25	1	.04
334 G	9	47	52	140	2.1	29	9	523	4.06	54	5	ND	1	36	1	12	2	8	.58	.064	2	7	.54	52	.01	4	.49	.01	.26	1	.04
335 G	7	42	58	142	2.5	23	10	893	3.69	56	5	ND	1	44	1	10	3	6	1.15	.079	2	8	.68	38	.01	6	.38	.01	.20	1	.06
336 G	18	27	28	271	1.3	14	11	1841	5.52	81	5	ND	1	126	1	8	2	11	3.61	.081	3	11	1.80	29	.01	3	.52	.01	.20	1	.04
337 G	4	6	10	57	.3	4	2	2294	2.71	78	5	ND	1	141	1	2	2	1	4.00	.010	3	10	1.66	46	.01	3	.16	.02	.07	1	.02
338 G	9	11	134	185	2.3	7	5	2477	3.71	161	5	ND	1	163	1	4	2	2	6.38	.020	2	10	2.51	37	.01	6	.24	.01	.13	1	.29
339 G	2	29	21	559	2.0	11	8	1820	2.61	56	5	ND	1	112	2	7	2	4	3.70	.036	2	10	1.40	47	.01	4	.34	.01	.17	1	.04
340 G	2	62	26	95	1.2	17	12	782	4.62	67	5	ND	1	37	1	8	2	15	1.13	.069	3	9	.95	47	.01	4	.51	.01	.23	1	.03
341 G	1	52	13	94	.3	13	11	600	2.72	26	5	ND	1	26	1	4	2	12	.99	.058	8	9	.77	118	.01	4	.42	.01	.21	1	.02
AP-1	12	21	25	24	1.2	4	8	1962	4.71	77	5	ND	1	35	1	7	2	10	2.05	.096	5	10	1.14	53	.01	4	.48	.01	.21	1	.05
AP-2	3	15	47	120	.8	2	8	1551	5.32	86	5	ND	1	31	1	2	2	16	1.67	.117	6	10	1.18	48	.01	3	.76	.01	.23	1	.11
AP-3	1	24	5	56	.6	5	10	1896	5.62	19	5	ND	1	34	1	3	2	21	2.24	.098	6	10	1.38	44	.01	2	1.14	.01	.22	1	.02
AP-4	2	15	10	41	.4	4	6	1170	3.37	8	5	ND	1	26	1	2	2	12	1.45	.096	7	9	.86	76	.01	3	.56	.01	.21	1	.01
AP-5	2	41	307	642	1.1	4	9	1352	5.32	17	5	ND	1	33	3	2	2	13	1.64	.097	8	9	1.01	49	.01	4	.65	.01	.26	1	.01
AP-6	4	35	8	57	1.0	3	9	1605	6.09	15	5	ND	1	44	1	4	2	19	2.24	.181	7	11	1.17	55	.01	3	.57	.01	.26	1	.01
AP-7	2	28	16	325	.6	5	8	1953	3.92	27	5	ND	1	67	1	5	2	7	3.61	.101	5	9	1.44	42	.01	12	.48	.01	.27	1	.01
STD C	18	58	37	136	6.6	67	30	993	4.07	44	17	7	37	47	18	15	17	57	.48	.097	37	55	.89	173	.06	34	1.94	.06	.14	13	-

✓ ASSAY RECOMMENDED

GEOCHEMICAL/ASSAY CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1 ROCK P2-P5 CORE AU** BY FIRE ASSAY FROM 1/2 A.T.

DATE RECEIVED: OCT 16 1989 DATE REPORT MAILED: *Oct 24/89*, SIGNED BY: *C. Leung* D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Granges Exploration Ltd. PROJECT 134 File # 89-4300 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W Au** PPM GM/T	
C-R 704W 186N	5	30	49	9	2.1	7	3	11	1.33	157	5	ND	1	4	1	2	2	4	.01	.022	8	20	.01	105	.01	3	.13	.01	.12	1	.03
C-R 182N 724W	6	39	28	167	.2	17	8	522	2.83	57	5	ND	1	69	1	3	2	7	2.40	.063	4	2	.24	53	.01	2	.27	.01	.14	1	.01
C-R 182N 721W	3	13	6	139	.3	6	1	621	2.27	21	5	ND	1	73	1	2	2	2	2.42	.021	9	3	.41	103	.01	2	.31	.01	.17	1	.01
C-R 206N 720W	7	8	19	12	.1	8	1	27	1.13	40	5	ND	1	20	1	2	2	1	.03	.026	7	5	.01	174	.01	4	.14	.01	.14	1	.01
C-R 31	1	79	245	2279	9.0	10	7	17028	21.07	6	5	ND	3	47	19	57	2	47	.40	.197	5	12	.21	113	.01	3	.42	.01	.21	1	.01
C-R 705W 186N	5	15	73	46	2.8	6	1	171	1.46	132	5	ND	1	3	1	2	2	3	.01	.012	16	4	.01	106	.01	6	.18	.01	.12	1	.04
STD C	18	57	38	133	7.1	68	28	989	3.85	38	23	7	36	44	17	16	20	56	.44	.092	35	55	.88	173	.05	33	1.91	.06	.14	12	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
342 G	2	6	4	56	.2	1	2	940	3.34	2	5	ND	3	59	1	2	2	3	1.37	.010	13	24	.82	31	.01	10	1.28	.02	.05	1	.06
343 G	6	12	8	81	.2	7	1	748	2.68	2	5	ND	2	37	1	2	2	2	1.12	.008	10	10	.67	24	.01	10	.92	.02	.04	1	.01
344 G	3	7	15	85	.2	1	2	1071	3.99	12	5	ND	2	37	1	2	2	2	1.20	.008	11	27	1.19	30	.01	12	1.45	.02	.06	1	.01
345 G	5	5	19	92	.1	6	2	1201	3.48	5	5	ND	2	65	1	2	2	2	1.55	.008	11	10	1.14	30	.01	11	1.10	.02	.06	1	.01
346 G	3	3	23	80	.2	2	1	780	1.93	3	5	ND	2	24	1	2	2	1	.61	.008	16	20	.58	32	.01	7	.85	.01	.11	1	.01
347 G	5	4	42	264	.1	5	1	869	1.83	5	5	ND	1	49	2	2	2	1	.99	.005	9	6	.41	47	.01	4	.65	.02	.14	1	.01
348 G	4	7	25	269	.2	2	1	702	1.48	6	5	ND	1	39	1	2	2	1	.94	.004	10	21	.30	44	.01	6	.56	.01	.14	1	.01
349 G	7	4	17	283	.1	4	1	540	2.02	11	5	ND	1	23	1	2	2	1	.43	.005	10	7	.37	55	.01	9	.74	.01	.18	1	.01
350 G	5	5	25	292	.2	1	1	782	2.18	12	5	ND	1	33	2	2	2	1	.71	.005	9	23	.57	43	.01	2	.84	.01	.17	1	.01
351 G	4	38	390	1299	1.0	5	1	1330	2.66	16	5	ND	1	83	6	2	2	1	1.80	.008	9	10	1.01	41	.01	4	.35	.01	.16	1	.01
352 G	3	23	150	668	.3	1	1	981	2.07	19	5	ND	2	42	3	2	2	1	1.17	.008	11	22	.87	34	.01	2	.33	.01	.18	1	.29
353 G	3	27	29	631	.4	3	1	734	2.00	21	5	ND	2	30	4	2	2	1	.84	.008	11	7	.66	33	.01	8	.36	.01	.20	2	.01
354 G	4	36	9	132	.5	1	1	747	2.04	39	5	ND	1	46	1	2	2	1	.93	.008	10	20	.64	45	.01	6	.30	.01	.18	3	.02
355 G	4	17	6	93	.3	3	2	1479	2.39	45	5	ND	1	57	1	2	2	1	1.76	.008	9	9	1.03	37	.01	8	.21	.01	.18	1	.03
356 G	4	31	37	423	.3	2	2	992	2.32	66	5	ND	1	52	3	11	2	1	1.28	.005	9	21	.59	36	.01	2	.22	.01	.18	2	.03
357 G	29	242	3785	4373	17.8	3	3	2381	19.72	442	5	ND	1	84	18	387	2	1	2.79	.001	2	17	1.89	7	.01	7	.10	.01	.11	3	.36
358 G	11	430	3833	5485	14.7	4	3	2012	11.31	327	5	ND	1	66	25	191	6	1	3.09	.003	3	16	1.53	13	.01	6	.11	.01	.09	1	.27
359 G	5	66	385	869	.8	5	1	352	2.69	75	5	ND	2	16	4	10	4	1	.35	.006	8	5	.22	32	.01	5	.17	.01	.13	1	.06
360 G	9	60	353	674	.8	5	1	255	2.75	67	5	ND	2	9	3	5	2	1	.23	.007	10	4	.17	30	.01	4	.20	.01	.17	1	.02
361 G	4	85	991	1966	1.9	7	1	229	2.68	58	5	ND	1	24	9	6	2	1	.28	.006	8	4	.12	28	.01	5	.10	.01	.12	1	.02
362 G	4	38	281	339	.8	4	1	415	2.34	28	5	ND	2	25	1	2	2	1	.48	.007	9	5	.32	39	.01	8	.21	.01	.12	1	.01
363 G	4	39	182	562	.6	5	1	519	1.87	19	5	ND	2	33	3	2	2	1	.60	.008	10	6	.33	42	.01	3	.17	.01	.13	1	.02
364 G	4	41	238	743	.5	1	1	810	2.47	43	5	ND	2	13	3	2	2	1	.63	.009	9	7	.71	25	.01	2	.52	.01	.19	1	.01
365 G	4	58	231	512	.7	3	1	934	2.92	82	5	ND	2	23	2	2	2	1	.92	.008	10	8	.66	30	.01	2	.29	.01	.18	1	.03
366 G	5	29	355	381	.9	6	1	234	2.60	215	5	ND	2	20	2	6	2	1	.40	.009	8	4	.16	31	.01	7	.17	.01	.16	1	.12
367 G	2	383	1663	5662	6.5	3	2	4516	9.45	471	5	ND	1	59	23	18	2	1	5.23	.005	4	13	2.21	19	.01	2	.17	.01	.11	1	.22
368 G	4	121	1132	2951	2.8	6	2	1319	4.56	294	5	ND	1	44	12	10	2	1	2.36	.007	3	10	.84	23	.01	4	.09	.01	.09	1	.20
369 G	5	70	785	703	4.1	8	1	411	2.82	215	5	ND	1	16	3	16	2	1	.62	.005	6	9	.26	30	.01	4	.08	.01	.11	1	.12
370 G	3	591	10837	48052	21.9	4	2	2688	16.62	1012	7	ND	1	45	203	47	2	1	2.40	.003	5	17	1.60	5	.01	2	.09	.01	.06	65	.46
371 G	4	107	23954	9860	25.2	6	1	1295	3.57	309	5	ND	1	36	43	29	2	1	2.61	.005	4	10	1.17	21	.01	2	.17	.01	.13	8	.20
372 G	7	34	165	601	.6	8	1	287	1.85	185	5	ND	1	10	3	2	2	1	.45	.006	6	6	.21	33	.01	2	.16	.01	.13	1	.12
373 G	6	58	198	117	1.6	9	1	214	1.93	118	5	ND	1	10	1	6	2	1	.28	.007	7	8	.12	51	.01	2	.13	.01	.13	1	.07
374 G	5	57	618	2331	1.2	5	1	422	4.12	396	5	ND	2	21	10	2	2	1	.90	.007	5	7	.38	22	.01	5	.16	.01	.15	1	.27
375 G	6	5	38	106	.3	4	1	921	3.18	233	5	ND	1	49	1	2	2	1	2.13	.008	6	8	.94	28	.01	2	.19	.01	.17	1	.16
376 G	4	9	57	440	.3	4	1	1050	2.47	137	5	ND	2	25	2	2	2	1	1.15	.009	9	7	.73	26	.01	2	.25	.01	.19	1	.06
377 G	6	15	118	1167	.4	3	1	1167	2.59	95	5	ND	2	25	4	2	2	1	1.17	.010	11	8	.88	33	.01	2	.36	.01	.22	1	.02
STD C	19	61	43	132	7.2	71	31	1030	4.14	41	23	7	36	48	20	15	22	61	.48	.091	38	58	.89	173	.06	31	1.97	.06	.13	13	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W Au** PPM GM/T	
378 G	11	25	37	1012	.3	2	1	1296	3.02	122	5	ND	2	35	3	2	2	1	1.48	.009	9	6	1.01	32	.01	5	.33	.01	.21	1	.06
379 G	5	30	21	405	.2	1	1	661	2.70	66	5	ND	1	23	2	3	2	1	1.06	.008	9	13	.48	30	.01	5	.25	.01	.22	1	.01
380 G	5	17	4	129	.3	3	1	1168	1.99	20	5	ND	2	38	1	2	2	1	2.43	.010	12	5	.85	36	.01	7	.21	.01	.20	1	.01
381 G	5	14	15	415	.7	2	1	1486	2.76	39	5	ND	1	39	2	2	2	1	2.67	.011	11	12	1.06	24	.01	5	.23	.01	.22	1	.01
382 G	5	6	10	56	.2	2	1	907	1.70	5	5	ND	2	32	1	2	2	1	1.62	.008	14	6	.61	25	.01	7	.31	.01	.21	1	.01
383 G	4	3	27	211	.1	1	1	704	1.20	5	5	ND	1	72	1	2	2	1	1.57	.011	12	11	.54	102	.01	9	.31	.01	.20	2	.01
384 G	5	9	35	405	.2	2	1	1077	2.68	9	5	ND	1	35	1	2	2	1	1.89	.007	12	5	.62	23	.01	8	.26	.01	.21	1	.01
385 G	5	6	19	257	.1	1	1	996	1.69	4	5	ND	1	22	1	2	2	1	1.70	.009	15	11	.64	29	.01	7	.28	.01	.24	1	.01
386 G	6	12	43	195	.6	3	1	994	2.79	16	5	ND	1	50	1	2	2	1	1.73	.006	9	6	.71	26	.01	4	.25	.01	.17	1	.08
387 G	4	10	22	216	.7	1	1	745	1.80	13	5	ND	1	29	1	3	2	1	1.22	.009	10	10	.55	27	.01	5	.26	.01	.21	1	.01
388 G	6	12	609	1248	3.5	3	1	1317	3.53	126	5	ND	1	29	4	2	2	1	2.38	.007	9	7	1.13	37	.01	5	.26	.01	.21	1	.11
389 G	4	8	6	35	.3	1	1	732	1.18	15	5	ND	1	18	1	2	2	1	1.30	.006	8	10	.55	59	.01	8	.26	.01	.24	2	.03
390 G	5	3	8	9	.7	3	1	846	3.61	67	5	ND	1	25	1	3	2	1	1.85	.007	7	6	.75	32	.01	6	.24	.01	.22	1	.03
391 G	5	9	22	70	.5	1	1	760	1.20	47	5	ND	1	29	1	2	2	1	1.79	.006	5	12	.78	64	.01	7	.25	.01	.22	1	.38
392 G	5	18	86	398	.6	2	2	977	2.93	84	5	ND	1	49	2	4	2	1	1.81	.005	4	7	.71	37	.01	7	.23	.01	.18	1	.04
393 G	5	9	10	204	.5	1	1	702	2.20	36	5	ND	1	34	1	4	2	1	1.16	.007	4	11	.55	47	.01	7	.28	.01	.22	1	.01
394 G	5	25	100	347	1.4	1	2	1339	5.18	97	5	ND	1	52	1	16	2	1	3.18	.007	3	8	1.53	29	.01	8	.25	.01	.19	1	.03
395 G	6	65	14	21	1.0	1	3	571	3.62	43	5	ND	1	25	1	8	2	1	.87	.006	4	11	.55	26	.01	9	.29	.01	.22	1	.02
396 G	5	11	14	228	.4	3	1	840	2.95	68	5	ND	1	30	1	4	2	1	1.33	.008	4	7	.66	38	.01	6	.25	.01	.20	1	.54
397 G	5	5	13	120	.2	5	1	451	1.53	34	5	ND	1	21	1	2	2	1	.74	.008	6	6	.32	47	.01	5	.19	.01	.18	1	.12
398 G	11	23	43	333	1.0	4	1	1127	2.69	85	5	ND	1	49	1	8	2	1	2.43	.007	4	8	1.03	45	.01	6	.18	.01	.16	1	.49
399 G	25	20	103	327	.7	4	1	958	1.21	29	5	ND	1	34	1	4	2	1	1.63	.007	6	8	.67	42	.01	6	.20	.01	.18	1	.01
400 G	13	28	8	93	.8	2	1	986	1.82	33	5	ND	1	33	1	16	2	1	1.85	.007	6	6	.73	48	.01	6	.23	.01	.20	1	.01
551 G	6	22	13	193	.5	3	1	504	2.62	72	5	ND	2	36	1	5	2	1	1.22	.007	8	4	.37	36	.01	7	.19	.01	.16	1	.03
552 G	6	30	7	74	.3	3	1	583	2.25	39	5	ND	2	66	1	4	2	1	1.75	.007	6	2	.21	41	.01	6	.18	.01	.17	1	.08
553 G	5	14	14	88	.3	2	1	337	2.46	69	5	ND	2	17	1	2	2	1	.58	.008	9	4	.22	44	.01	6	.25	.01	.22	1	.02
554 G	6	101	59	899	.9	2	2	418	4.69	127	5	ND	2	15	4	7	2	1	.64	.009	6	3	.27	34	.01	8	.25	.01	.22	1	.04
555 G	6	33	12	23	.5	3	2	385	2.90	63	5	ND	2	12	1	2	2	1	.50	.009	7	2	.21	28	.01	4	.29	.01	.24	1	.13
556 G	5	17	5	170	.2	3	1	752	1.52	10	5	ND	1	17	1	3	2	1	1.14	.007	9	5	.44	33	.01	4	.26	.01	.23	1	.01
557 G	5	19	8	152	.3	2	2	881	1.81	9	5	ND	1	18	1	2	2	1	1.18	.008	8	5	.43	39	.01	6	.25	.01	.22	1	.01
558 G	4	12	2	283	.4	3	1	880	2.26	10	5	ND	2	15	1	3	2	1	.99	.009	10	4	.40	43	.01	6	.27	.01	.20	1	.02
559 G	3	12	10	89	.2	5	3	355	2.02	12	5	ND	1	53	1	3	2	3	1.18	.016	2	7	1.55	64	.01	8	.33	.01	.15	1	.01
560 G	4	8	5	30	.3	4	3	421	1.76	19	5	ND	1	106	1	2	2	4	2.94	.014	2	8	1.85	113	.01	8	.31	.01	.14	2	.01
561 G	3	51	22	133	.7	16	11	954	3.68	58	5	ND	1	94	1	8	2	23	3.65	.073	4	12	1.84	73	.01	8	.39	.01	.19	1	.01
562 G	5	12	9	105	.2	8	5	331	1.73	22	5	ND	1	58	1	2	2	5	1.63	.027	5	6	1.40	68	.01	8	.37	.01	.18	1	.01
563 G	2	6	12	58	.1	6	3	364	1.61	14	5	ND	1	60	1	2	2	6	1.36	.031	2	7	1.41	69	.01	6	.37	.01	.16	1	.01
STD C	19	62	36	132	7.1	69	31	1031	4.10	42	23	7	36	48	19	15	21	60	.48	.097	39	55	.87	173	.06	35	1.98	.06	.13	11	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	AU PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	BI PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Tl %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T	
564 G	2	8	10	64	.2	4	2 601	1.82	12	5	ND	1 58	1	58	1	2	2	5	2.50	.027	2	8	1.92	32	.01	2	.22	.02	.11	1	.01	
565 G	2	7	7	35	.2	5	3 770	1.74	20	5	ND	1 78	1	78	1	2	2	5	3.58	.017	2	8	2.23	25	.01	4	.23	.02	.11	1	.01	
566 G	3	7	11	29	.2	5	2 906	1.69	18	5	ND	1 96	1	96	1	2	2	4	2.98	.015	2	8	1.74	57	.01	3	.24	.02	.12	2	.01	
567 G	6	9	16	26	.3	3	2 1092	2.42	20	5	ND	1 186	1	186	1	6	3	5	5.31	.009	2	6	2.74	213	.01	4	.25	.01	.14	1	.01	
568 G	2	15	15	21	.5	5	3 449	1.73	25	5	ND	1 93	1	93	1	3	2	4	2.91	.022	2	8	1.63	37	.01	2	.28	.01	.15	1	.01	
569 G	3	28	26	111	.5	6	3 645	1.76	19	5	ND	1 83	1	83	1	11	2	5	3.54	.021	2	9	2.12	40	.01	4	.27	.01	.14	1	.01	
570 G	3	20	19	173	.4	6	4 727	2.44	22	5	ND	1 114	1	114	1	9	2	7	2.91	.022	2	9	1.91	28	.01	5	.28	.02	.14	1	.01	
571 G	12	27	13	523	.3	5	2 815	1.95	14	5	ND	1 153	3	153	3	11	2	5	4.40	.022	2	7	2.50	40	.01	5	.24	.02	.13	1	.01	
572 G	7	12	12	65	.2	5	3 208	1.66	14	5	ND	1 61	1	61	1	2	2	3	1.23	.017	2	7	1.12	41	.01	5	.34	.01	.17	1	.01	
573 G	9	39	38	188	.4	26	14 567	4.45	62	5	ND	1 66	2	66	2	16	2	19	2.42	.082	3	14	1.41	44	.01	2	.41	.01	.22	1	.01	
574 G	14	79	66	514	.6	36	12 773	5.81	105	5	ND	1 80	4	80	4	32	2	18	3.29	.057	3	11	1.78	50	.01	2	.43	.01	.24	1	.02	
575 G	1	33	12	68	.2	19	11 1507	6.61	26	5	ND	1 187	1	187	1	17	2	34	9.09	.143	10	13	4.59	63	.01	6	.50	.01	.23	1	.01	
576 G	11	89	53	48	.4	33	15 612	5.65	93	5	ND	1 60	1	60	1	29	2	21	2.28	.107	5	14	1.35	49	.01	3	.50	.01	.28	1	.02	
577 G	10	65	43	111	.2	16	15 591	5.04	75	5	ND	1 47	1	47	1	18	2	21	1.97	.073	4	10	1.33	41	.01	3	.47	.01	.26	1	.01	
578 G	7	44	31	84	.6	17	9 736	3.88	58	5	ND	1 81	1	81	1	16	2	10	3.67	.062	3	8	1.29	52	.01	6	.39	.01	.21	1	.01	
579 G	4	42	58	79	1.8	24	11 1127	5.40	86	5	ND	1 187	1	187	1	28	2	13	7.54	.097	4	12	2.23	53	.01	10	.40	.01	.21	1	.01	
580 G	2	10	19	14	.8	5	2 199	1.06	166	5	ND	1 46	1	46	1	2	2	2	.70	.007	3	4	.28	36	.01	5	.28	.01	.15	2	.08	
581 G	7	13	21	8	.7	6	3 593	1.36	68	5	ND	1 63	1	63	1	2	4	2	1.83	.023	4	6	.77	70	.01	4	.32	.01	.18	1	.07	
582 G	3	19	41	134	.8	4	3 497	1.40	49	5	ND	1 62	1	62	1	11	2	1	1.51	.019	4	6	.59	50	.01	2	.27	.01	.16	1	.03	
601 G	4	36	321	572	.4	4	1 675	2.70	37	5	ND	1 20	2	20	2	2	2	1	.57	.008	9	6	.56	48	.01	2	.51	.01	.13	1	.02	
602 G	5	37	192	353	.4	4	1 468	2.57	32	5	ND	2 13	2	13	2	2	2	1	.34	.010	11	5	.65	40	.01	3	.72	.01	.19	1	.02	
603 G	5	58	409	544	.5	3	1 342	1.97	37	5	ND	2 11	3	11	3	2	2	1	.17	.008	11	4	.40	42	.01	2	.51	.01	.19	1	.01	
604 G	4	52	404	594	.5	5	1 321	2.42	41	5	ND	2 11	3	11	3	2	3	1	.22	.010	10	8	.40	44	.01	4	.48	.01	.17	1	.02	
605 G	5	52	1004	1585	.9	3	1 779	3.73	101	5	ND	2 20	8	20	8	2	2	1	.43	.009	9	8	1.00	40	.01	4	.93	.01	.17	1	.03	
606 G	6	79	611	1018	.8	4	2 945	4.18	161	5	ND	1 35	5	35	5	2	2	1	.84	.007	7	10	.82	34	.01	4	.61	.01	.13	1	.08	
607 G	6	65	958	1142	.9	4	1 1224	3.94	180	5	ND	1 23	5	23	5	2	2	2	.82	.008	9	9	1.17	41	.01	8	.98	.01	.16	1	.10	
608 G	6	131	3983	4566	3.2	9	2 153	5.03	159	5	ND	1 6	6	6	6	3	2	1	.07	.007	6	5	.19	13	.01	5	.40	.01	.10	2	.06	
609 G	9	2099	18756	18691	49.9	3	8 162	19.81	317	5	ND	1 4	4	4	4	78	69	11	2	.03	.001	2	6	.21	2	.01	2	.52	.01	.03	3	.33
610 G	6	78	1320	2371	1.5	8	1 334	2.62	121	5	ND	1 32	12	32	12	3	3	1	.57	.007	6	4	.18	50	.01	8	.11	.01	.10	1	.05	
611 G	6	67	1500	2251	1.4	7	1 166	2.78	106	5	ND	2 9	11	9	11	2	2	1	.14	.007	7	4	.12	40	.01	5	.20	.01	.11	1	.02	
612 G	6	77	1489	2640	1.3	6	2 194	3.09	66	5	ND	1 6	13	6	13	2	4	1	.05	.007	8	5	.17	41	.01	7	.28	.01	.09	1	.02	
613 G	6	63	1600	2208	1.5	7	2 294	3.16	25	5	ND	2 9	9	9	9	2	2	1	.10	.007	9	5	.31	45	.01	4	.45	.01	.10	1	.02	
614 G	6	64	1545	2166	1.2	9	1 396	4.09	55	5	ND	1 8	10	8	10	2	2	2	.07	.007	11	9	.61	50	.01	4	.91	.01	.13	1	.03	
615 G	5	64	310	458	.3	6	1 210	2.19	26	5	ND	2 5	2	5	2	2	2	1	.04	.007	13	7	.27	38	.01	6	.52	.01	.17	2	.01	
616 G	6	55	330	712	.6	4	1 356	2.60	26	5	ND	2 23	3	23	3	2	3	1	.27	.008	10	4	.29	38	.01	4	.44	.01	.18	1	.01	
617 G	6	112	2288	2391	2.1	6	2 257	3.32	50	5	ND	2 11	12	11	12	3	2	1	.11	.007	9	5	.22	42	.01	4	.36	.01	.14	1	.01	
STD C	19	61	37	132	7.1	71	31 1028	4.18	43	22	8	37	47	19	15	21	60		.48	.090	38	57	.87	174	.06	32	1.98	.06	.13	13	-	

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W Au** PPM GM/T	
618 G	5	62	759	955	1.1	6	1	257	3.60	26	5	ND	1	10	5	3	2	1	.09	.007	7	4	.24	23	.01	5	.33	.01	.10	1	.02
619 G	6	95	1275	2070	1.5	7	1	274	3.07	5	5	ND	1	5	9	3	3	1	.04	.008	10	7	.30	50	.01	7	.52	.01	.10	1	.01
620 G	6	114	1767	2639	1.5	5	2	273	3.06	10	5	ND	1	7	11	2	2	1	.06	.007	8	3	.29	42	.01	10	.45	.01	.10	1	.01
621 G	6	112	1612	2353	1.4	6	2	243	2.90	13	5	ND	1	7	9	3	2	1	.05	.007	9	5	.25	47	.01	15	.39	.01	.10	1	.05
622 G	6	97	1033	1558	1.2	6	1	274	2.44	7	5	ND	1	12	6	2	2	1	.11	.008	9	5	.25	50	.01	12	.27	.01	.10	1	.01
623 G	6	113	1089	2324	1.3	6	1	284	2.79	18	5	ND	1	7	10	3	3	1	.06	.007	9	6	.22	49	.01	10	.33	.01	.11	1	.20
624 G	5	117	1866	2376	1.6	6	2	226	3.39	26	5	ND	1	7	10	2	2	1	.08	.007	7	5	.20	28	.01	12	.29	.01	.10	1	.01
625 G	6	88	1029	1108	1.1	6	2	218	3.48	19	5	ND	1	7	4	3	2	1	.06	.007	8	4	.24	33	.01	9	.39	.01	.11	1	.01
626 G	5	64	1137	1495	1.1	5	1	273	2.86	20	5	ND	1	26	6	2	2	1	.27	.007	7	5	.22	42	.01	8	.20	.01	.10	1	.07
627 G	6	92	2451	3203	2.1	5	3	395	4.78	32	5	ND	1	27	13	2	2	1	.34	.007	6	5	.39	18	.01	2	.50	.01	.10	2	.02
628 G	6	61	848	1883	1.2	4	4	480	4.39	25	5	ND	1	30	7	2	3	7	.31	.038	8	6	.70	36	.01	4	.79	.01	.13	1	.07
629 G	5	221	3414	5905	3.0	6	4	721	5.58	49	5	ND	1	32	23	3	2	11	.67	.067	7	11	.85	20	.01	8	.87	.01	.12	4	.24
630 G	5	137	1055	1565	1.3	5	3	375	4.94	149	5	ND	1	18	6	2	2	10	.28	.049	7	6	.45	17	.01	7	.54	.01	.12	1	.15
631 G	4	76	3578	4013	2.3	5	4	559	5.45	217	5	ND	1	36	15	2	2	6	.79	.095	8	6	.48	17	.01	8	.47	.01	.19	1	.13
632 G	5	44	656	1524	.8	6	2	548	2.36	71	5	ND	1	37	5	2	2	1	.56	.008	9	6	.48	53	.01	14	.36	.01	.11	1	.09
633 G	6	38	1214	1510	1.0	7	2	420	2.37	145	5	ND	1	33	6	3	2	1	.52	.008	8	8	.32	50	.01	14	.23	.01	.12	1	.08
634 G	5	58	2345	3348	1.6	4	1	222	2.39	95	5	ND	2	7	14	2	3	1	.13	.008	9	4	.31	30	.01	8	.43	.01	.18	2	.08
635 G	4	24	606	993	.5	3	1	533	1.89	47	5	ND	1	9	4	2	2	1	.45	.009	10	6	.73	48	.01	7	.64	.01	.20	1	.03
636 G	5	60	1854	2391	1.8	3	2	516	4.66	261	5	ND	2	10	9	2	2	1	.38	.010	8	7	.84	21	.01	3	.71	.01	.17	1	.27
637 G	6	1837	22475	27670	37.9	4	4	704	5.95	65	5	ND	1	17	98	30	2	1	1.03	.004	4	8	.67	19	.01	2	.54	.01	.12	1	.29
638 G	5	64	1087	1874	1.8	4	2	269	2.96	19	5	ND	2	10	7	2	2	2	.15	.009	10	6	.53	40	.01	8	.56	.01	.12	1	.09
639 G	6	250	1341	1763	2.7	6	1	474	2.78	10	5	ND	1	32	7	2	2	1	.40	.008	8	8	.70	47	.01	9	.55	.01	.11	1	.75
640 G	5	50	800	1536	1.6	3	1	679	2.80	11	5	ND	2	29	6	2	2	1	.73	.009	10	7	1.02	49	.01	11	.70	.01	.13	1	.12
641 G	4	22	292	737	.9	3	1	821	2.34	10	5	ND	2	26	3	2	2	1	.91	.009	11	8	1.30	41	.01	8	.78	.01	.15	1	.01
642 G	4	27	526	1096	1.4	2	1	548	2.34	37	5	ND	2	26	4	2	3	1	.50	.010	11	5	.71	51	.01	6	.47	.01	.17	1	.10
643 G	16	39	1171	1200	6.2	2	2	2557	12.16	179	5	ND	1	79	4	134	2	1	3.67	.006	3	14	1.64	17	.01	2	.20	.01	.14	1	.80
644 G	6	33	315	1043	.7	3	1	929	2.48	62	5	ND	1	30	4	2	2	1	1.20	.007	9	6	.94	28	.01	2	.46	.01	.18	1	.54
645 G	4	25	304	708	.4	2	1	930	1.93	32	5	ND	1	34	3	2	2	1	1.42	.009	11	6	.84	37	.01	2	.27	.01	.20	1	.17
646 G	4	17	416	1221	.4	2	1	1178	2.20	45	5	ND	1	35	5	2	2	1	1.78	.009	11	8	.92	32	.01	2	.27	.01	.21	1	.02
647 G	5	34	237	786	.3	3	2	820	2.07	27	5	ND	1	37	3	2	2	1	.97	.009	11	6	.65	34	.01	2	.27	.01	.22	1	.01
648 G	3	36	216	573	.5	3	1	2011	2.62	22	5	ND	1	40	3	2	2	1	2.84	.009	8	7	1.28	33	.01	3	.31	.01	.18	1	.03
649 G	4	49	723	973	1.3	4	2	1265	2.74	24	5	ND	1	66	4	2	2	1	2.79	.009	8	9	1.01	42	.01	3	.43	.01	.13	1	.03
650 G	3	59	484	1206	1.2	4	2	874	2.33	17	5	ND	2	32	5	3	3	1	.98	.010	9	7	.54	42	.01	3	.28	.01	.17	1	.02
NO NUMBER	4	117	1707	3006	2.6	5	1	389	3.35	87	5	ND	2	28	12	12	2	1	.48	.006	7	5	.26	29	.01	6	.12	.01	.11	1	.04
STD C	18	61	38	136	7.0	70	31	1030	4.18	40	21	7	37	48	20	15	22	60	.48	.100	38	57	.87	174	.06	34	1.98	.06	.13	11	-

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GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.

THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: P1 SOIL P2 ROCK P3-P12 CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. AU** BY FIRE ASSAY FROM 1/2 A.T.

P - pulverized.

DATE RECEIVED: OCT 23 1989 DATE REPORT MAILED: *Oct 31/89* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
300N 750W	9	27	14	87	.4	17	9	286	5.11	47	5	ND	3	5	1	4	2	110	.01	.043	12	15	.07	48	.04	2	1.09	.01	.05	1	1
300N 725W	5	15	20	88	.9	13	9	227	4.12	18	9	ND	6	37	1	5	4	105	.41	.053	13	13	.47	45	.21	3	1.31	.09	.11	3	1
300N 700W	2	18	11	74	.1	11	9	128	4.35	12	5	ND	2	11	1	2	2	71	.08	.136	13	10	.14	42	.02	2	2.27	.02	.05	1	1
300N 675W	1	8	12	45	3.9	7	4	149	3.59	6	5	ND	2	31	1	2	2	125	.24	.055	5	9	.23	51	.58	2	.82	.05	.05	1	2
300N 650W P	3	9	14	54	.7	6	3	68	2.20	18	5	ND	2	26	1	3	2	114	.22	.056	5	9	.08	90	.33	3	.55	.01	.04	1	1
300N 625W P	3	12	13	62	.8	13	5	188	5.58	12	5	ND	2	15	1	2	2	112	.21	.049	9	37	.25	40	.32	3	2.02	.02	.05	1	1
300N 600W P	1	8	24	120	.1	8	2	66	.88	58	5	ND	2	114	1	2	2	12	1.97	.059	2	3	.27	140	.06	2	.32	.05	.04	1	12
300N 575W	3	11	19	61	.9	23	4	163	7.15	17	5	ND	3	12	1	2	2	100	.10	.050	11	46	.38	38	.27	4	1.69	.01	.05	1	5
300N 550W P	3	12	17	56	3.1	11	4	186	6.85	11	5	ND	4	16	1	2	2	98	.15	.043	11	26	.28	43	.40	2	3.00	.02	.04	1	1
300N 525W	1	5	6	19	.4	4	2	50	1.26	13	5	ND	1	6	1	2	2	33	.05	.020	12	9	.07	32	.02	2	.94	.01	.05	1	1
300N 500W	6	37	42	165	2.9	31	21	3309	4.58	44	5	ND	2	45	1	5	2	42	.42	.111	17	24	.42	227	.03	3	2.04	.02	.07	1	2
300N 475W	3	17	17	120	1.6	17	15	2212	3.05	8	5	ND	2	65	1	3	2	43	.71	.181	33	22	.24	211	.09	2	3.44	.03	.04	1	1
300N 450W P	1	10	3	39	.3	10	3	43	.60	4	5	ND	1	145	1	2	2	8	2.14	.132	5	3	.15	375	.01	6	.58	.02	.02	1	2
300N 425W P	4	16	6	106	.5	17	34	6002	7.24	7	5	ND	2	150	1	2	2	52	1.79	.112	13	8	.53	483	.14	3	1.79	.16	.09	1	2
300N 400W	2	12	10	46	.4	9	4	255	4.71	8	5	ND	2	10	1	2	2	100	.08	.085	8	20	.15	59	.16	2	1.36	.01	.04	1	1
300N 375W	7	13	16	65	.3	7	3	202	6.42	9	5	ND	3	7	1	2	2	112	.08	.035	19	30	.20	18	.46	2	2.24	.02	.04	1	33
300N 350W	4	26	20	77	.5	27	6	257	8.81	20	5	ND	3	8	1	3	2	95	.02	.073	9	52	.44	48	.13	2	3.01	.01	.03	1	3
300N 325W	5	15	20	47	.8	6	3	223	6.10	8	5	ND	3	10	1	2	2	129	.06	.039	10	18	.10	68	.44	2	1.27	.02	.03	1	1
300N 300W	4	56	32	122	.6	15	14	992	10.56	124	5	ND	3	19	1	35	2	102	.22	.143	9	24	.19	146	.11	4	2.03	.02	.05	1	2
STD C/AU-S	18	60	40	132	6.9	67	29	1027	3.76	41	21	6	38	47	18	15	23	59	.47	.094	38	54	.85	175	.06	34	1.79	.06	.13	11	53

SAMPLE#	Mo PPM	CU PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W %	Au** PPM GM/T
C-R 490S 790W	14	43	66	178	2.2	20	5	259	2.82	91	5	ND	2	29	1	5	3	36	.56	.053	6	9	.34	63	.01	3	.35	.01	.15	1	.07

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
401 G	5	6	14	66	.1	9	4	300	1.18	41	5	ND	5	74	1	2	2	3	2.01	.061	16	3	.17	45	.01	8	.27	.02	.17	1	.02
402 G	4	37	19	25	1.6	18	10	943	2.64	34	5	ND	2	143	1	5	2	10	3.18	.073	7	5	1.30	60	.01	12	.33	.01	.24	2	.13
403 G	4	44	13	116	1.3	31	15	859	2.61	56	5	ND	2	85	1	6	2	15	2.67	.096	8	5	1.31	74	.01	7	.58	.01	.27	1	.08
404 G	11	56	38	186	4.2	39	17	426	3.66	74	5	ND	2	42	1	12	2	13	.84	.078	7	4	.62	49	.01	15	.39	.01	.29	1	.10
405 G	3	34	28	114	2.5	29	13	2750	5.17	99	5	ND	2	129	1	14	2	22	6.36	.067	5	8	2.43	46	.01	4	.40	.01	.21	1	.22
406 G	8	37	31	33	2.0	56	19	2135	5.28	89	5	ND	3	142	1	16	2	25	6.10	.097	7	9	2.32	48	.01	15	.43	.01	.29	1	.14
407 G	2	36	9	36	1.5	18	10	1643	3.68	42	7	ND	3	261	1	17	2	19	7.39	.072	5	4	2.62	98	.01	6	.35	.01	.23	1	.04
408 G	2	34	11	28	1.5	23	11	2711	5.62	69	5	ND	3	143	1	14	2	33	8.36	.077	8	7	2.99	51	.01	5	.36	.01	.22	1	1.77
409 G	5	30	11	12	1.0	29	18	259	1.25	41	5	ND	2	58	1	14	2	7	1.11	.098	9	3	.34	44	.01	7	.41	.01	.28	1	.04
410 G	9	64	36	123	.4	24	10	403	3.99	81	5	ND	3	68	1	24	2	14	1.57	.065	7	3	.80	52	.01	6	.39	.01	.27	1	.14
411 G	5	36	24	116	.5	11	6	653	2.47	51	5	ND	2	67	1	13	2	9	2.48	.045	6	2	.99	42	.01	6	.33	.01	.25	1	.04
412 G	2	11	8	51	.1	3	1	168	.97	42	5	ND	2	24	1	2	2	1	.43	.011	16	2	.21	30	.01	4	.25	.01	.18	1	.26
413 G	5	18	49	1506	3.4	4	1	120	4.29	1281	5	ND	2	24	4	25	2	1	.35	.007	9	3	.18	26	.01	5	.24	.01	.17	1	.08
414 G	70	53	67	378	3.4	31	8	107	2.46	197	5	ND	1	37	2	19	2	5	.31	.049	2	3	.11	40	.01	9	.45	.01	.30	1	.11
415 G	5	7	8	38	.1	4	1	435	.94	42	5	ND	2	45	1	3	2	1	.88	.007	14	3	.23	26	.01	4	.22	.01	.14	2	.03
416 G	26	40	52	63	4.0	35	8	117	3.18	138	5	ND	1	40	1	16	2	5	.40	.053	2	3	.09	30	.01	17	.30	.01	.19	1	.12
417 G	21	50	78	132	5.5	30	9	332	5.20	236	5	ND	1	48	1	20	2	12	.90	.077	2	4	.31	25	.01	7	.35	.01	.23	1	.14
418 G	12	40	44	76	3.2	29	11	91	2.74	217	5	ND	1	39	1	13	2	7	.34	.070	2	3	.06	37	.01	8	.34	.01	.22	1	.10
419 G	7	30	38	119	1.8	24	11	1115	2.80	313	5	ND	2	94	1	20	2	19	3.22	.080	4	7	1.19	41	.01	6	.33	.01	.21	2	.06
420 G	11	75	74	427	4.8	29	10	673	4.10	126	5	ND	1	133	2	16	2	12	2.44	.077	4	5	.83	40	.01	5	.31	.01	.20	1	.09
421 G	18	75	106	48	6.3	33	12	265	4.85	183	5	ND	1	94	1	12	2	11	.76	.068	3	3	.25	29	.01	8	.33	.01	.23	1	.15
422 G	3	26	70	144	1.2	10	10	320	4.99	150	5	ND	1	100	1	3	2	6	1.00	.085	4	4	.28	34	.01	5	.21	.01	.16	1	.08
423 G	6	32	129	768	1.9	15	9	270	4.09	134	5	ND	1	62	5	5	2	4	.64	.074	4	6	.16	39	.01	6	.18	.01	.14	1	.08
424 G	6	30	46	168	1.3	15	9	106	4.58	238	5	ND	1	28	1	4	2	5	.31	.076	5	6	.06	27	.01	5	.20	.01	.15	1	.14
425 G	3	50	51	542	1.4	13	10	166	5.47	339	5	ND	1	48	3	10	2	9	.48	.110	4	7	.11	16	.01	13	.20	.01	.17	1	.25
426 G	5	96	97	403	2.5	10	12	115	7.83	492	5	ND	2	42	2	19	2	3	.43	.100	4	4	.10	11	.01	4	.25	.01	.20	1	.67
427 G	23	75	100	258	6.8	39	11	151	4.94	227	5	ND	1	35	2	22	2	8	.36	.065	4	2	.10	19	.01	3	.29	.01	.22	1	.17
428 G	19	74	83	402	6.5	37	11	194	4.87	209	5	ND	1	40	2	26	2	7	.50	.068	4	3	.09	27	.01	4	.26	.01	.22	1	.13
429 G	23	73	79	390	5.7	38	10	211	4.17	193	5	ND	1	41	2	28	2	7	.58	.076	4	2	.12	34	.01	11	.31	.01	.22	1	.12
430 G	15	18	32	18	1.4	24	8	75	2.44	87	5	ND	1	43	1	5	2	4	.42	.058	4	2	.11	42	.01	4	.36	.01	.26	1	.04
431 G	19	48	41	187	1.8	35	8	608	3.50	111	5	ND	2	119	1	20	2	6	2.32	.064	3	2	.50	44	.01	4	.35	.01	.24	1	.09
432 G	13	57	39	165	1.1	27	10	709	3.48	167	5	ND	2	291	1	19	2	9	4.39	.076	4	2	.93	45	.01	6	.38	.01	.23	1	.04
433 G	6	55	31	150	.1	24	13	592	3.98	79	5	ND	1	75	1	14	2	9	2.30	.093	5	3	.75	23	.01	14	.41	.01	.27	1	.02
434 G	10	60	43	293	.1	22	9	448	3.66	78	5	ND	1	49	2	15	2	8	1.53	.054	3	1	.47	29	.01	5	.34	.01	.24	1	.03
435 G	8	58	48	463	1.6	20	9	591	3.80	127	5	ND	1	58	4	12	2	7	2.04	.058	4	2	.68	32	.01	13	.36	.01	.23	1	.02
436 G	7	35	33	166	1.2	16	8	616	3.08	333	5	ND	1	55	1	5	2	5	1.50	.061	7	2	.49	23	.01	9	.39	.01	.24	1	.05
STD C	18	60	41	132	6.6	67	30	1022	3.92	43	18	6	36	47	18	16	20	58	.44	.096	36	56	.87	175	.06	35	1.84	.06	.13	13	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	AU PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
437 G	7	41	30	100	1.6	14	7	408	2.91	67	5	ND	2	67	1	8	2	5	1.77	.042	4	2	.36	35	.01	18	.31	.01	.20	1	.01
438 G	7	58	32	135	2.4	20	10	714	3.91	1602	5	ND	2	59	1	16	2	8	2.09	.080	5	3	.55	34	.01	8	.40	.01	.25	1	.10
439 G	12	84	58	319	5.0	34	13	666	4.48	158	5	ND	2	84	2	25	2	12	3.01	.092	4	2	.60	39	.01	19	.35	.01	.22	1	.08
440 G	17	61	54	206	4.7	39	10	469	3.85	174	5	ND	2	56	2	17	2	10	1.88	.063	3	3	.43	34	.01	7	.36	.01	.21	1	.07
441 G	13	56	47	344	4.0	30	10	495	4.23	250	5	ND	2	102	2	18	2	9	2.32	.060	3	2	.47	19	.01	13	.34	.01	.21	1	.10
442 G	12	56	39	123	3.7	29	13	541	4.35	225	5	ND	3	80	1	26	3	10	2.13	.097	5	3	.54	21	.01	8	.42	.01	.27	1	.05
443 G	6	18	17	45	1.5	12	5	458	2.62	147	5	ND	2	69	1	10	2	4	2.27	.045	3	2	.44	13	.01	13	.31	.01	.21	1	.02
444 G	13	43	40	55	6.4	29	13	811	3.59	231	5	ND	3	99	1	31	2	14	3.46	.110	4	3	.85	51	.01	14	.44	.01	.25	1	.02
445 G	8	33	36	118	4.3	17	8	1706	3.99	255	5	ND	2	82	2	21	2	10	4.04	.081	2	1	1.01	37	.01	8	.33	.01	.20	2	.04
446 G	6	34	28	95	2.8	15	12	1085	4.82	245	5	ND	2	67	1	15	2	11	3.09	.090	5	2	.67	41	.01	6	.37	.01	.23	1	.04
447 G	4	12	16	264	.9	7	3	327	3.10	446	5	ND	2	42	2	7	2	2	1.28	.037	5	2	.24	18	.01	6	.28	.01	.20	1	.04
448 G	4	29	30	86	1.2	8	5	312	3.62	343	5	ND	3	104	1	14	2	3	2.29	.063	4	7	.32	33	.01	16	.35	.01	.23	1	.02
449 G	3	42	33	48	1.5	8	5	281	3.10	228	5	ND	2	50	1	27	2	2	1.33	.054	4	2	.23	16	.01	17	.32	.01	.19	1	.02
450 G	3	30	18	23	1.3	5	4	115	2.25	236	5	ND	2	44	1	15	2	2	.94	.052	5	8	.09	36	.01	8	.34	.01	.21	1	.02
451 G	14	53	27	347	.2	31	9	572	4.04	43	5	ND	2	108	2	5	2	15	3.18	.069	5	3	.70	59	.01	7	.34	.01	.18	1	.02
452 G	10	50	22	139	.1	28	11	687	4.21	43	5	ND	2	132	1	4	2	22	3.76	.114	6	6	.96	71	.01	8	.40	.01	.20	1	.01
453 G	7	30	19	157	.5	17	8	770	4.15	41	9	ND	3	128	1	5	4	12	4.71	.069	4	2	1.15	49	.01	8	.30	.01	.17	1	.01
454 G	9	40	20	82	.2	27	12	809	3.93	43	5	ND	2	138	1	4	2	18	4.75	.091	5	6	.87	46	.01	9	.35	.01	.18	1	.01
455 G	11	60	34	135	.6	33	11	565	4.07	54	5	ND	1	118	1	5	2	15	2.91	.080	4	3	.74	34	.01	4	.37	.01	.19	1	.02
456 G	13	64	37	118	.2	29	11	607	4.20	56	5	ND	1	133	1	7	2	14	3.15	.070	3	7	.71	46	.01	8	.37	.02	.19	1	.01
457 G	14	78	45	136	.6	37	14	522	4.75	64	5	ND	2	128	1	7	2	15	2.83	.092	4	2	.62	31	.01	4	.38	.01	.20	1	.01
458 G	5	43	15	79	.2	23	13	765	4.28	24	5	ND	2	156	1	4	2	22	4.49	.087	5	6	1.02	77	.01	13	.37	.02	.19	1	.01
459 G	2	53	7	90	.1	16	15	687	4.58	20	5	ND	3	129	1	2	2	37	4.06	.159	10	6	.99	83	.01	15	.46	.02	.19	1	.01
460 G	5	45	9	94	.1	19	13	810	4.54	22	5	ND	3	169	1	2	2	33	5.48	.145	9	5	1.10	81	.01	14	.43	.02	.19	1	.01
461 G	8	59	15	124	.2	26	12	685	4.55	31	5	ND	3	130	1	3	2	23	3.79	.122	7	3	.90	69	.01	2	.42	.01	.22	1	.01
462 G	11	47	13	153	.3	23	7	776	3.91	29	5	ND	2	248	2	3	2	15	8.08	.075	5	3	1.12	63	.01	14	.34	.01	.18	1	.01
463 G	16	67	21	240	.2	36	10	513	4.22	40	5	ND	2	129	2	2	2	13	2.75	.062	4	2	.70	46	.01	3	.36	.01	.19	1	.01
464 G	11	71	19	152	.5	31	13	527	5.17	48	5	ND	2	107	2	6	2	16	2.84	.079	4	5	.96	44	.01	5	.37	.01	.21	1	.01
465 G	13	58	18	139	.2	32	12	557	5.17	42	5	ND	2	132	1	2	2	21	3.42	.087	5	3	1.04	61	.01	3	.38	.01	.19	1	.02
466 G	9	53	23	222	.1	28	13	622	4.67	39	5	ND	2	131	2	8	2	20	3.42	.098	5	4	1.02	61	.01	5	.39	.02	.21	1	.01
467 G	6	67	16	191	.3	23	15	809	4.82	40	5	ND	3	125	2	11	2	25	3.79	.137	8	4	1.15	66	.01	4	.44	.02	.22	1	.01
468 G	12	61	33	234	.3	32	10	647	4.03	76	5	ND	1	168	2	17	2	13	3.62	.060	3	9	1.00	50	.01	10	.36	.01	.19	1	.01
469 G	4	10	12	107	.5	5	2	704	1.74	20	5	ND	2	189	1	4	2	3	3.84	.022	2	2	1.67	37	.01	3	.24	.01	.14	1	.01
470 G	4	9	11	109	.5	5	2	675	1.93	26	5	ND	1	144	1	4	2	3	3.44	.020	2	9	1.31	65	.01	3	.26	.01	.15	1	.01
471 G	3	9	13	96	.2	5	3	791	1.78	21	5	ND	1	145	1	3	2	2	3.82	.013	2	2	1.61	41	.01	5	.24	.01	.13	1	.01
472 G	5	29	17	124	.7	11	8	880	2.66	38	5	ND	1	279	1	5	2	7	5.33	.031	2	11	1.46	53	.01	5	.32	.01	.16	2	.01
STD C	17	60	38	132	6.6	70	29	1003	3.90	42	17	7	36	46	18	15	22	57	.47	.094	36	54	.86	174	.06	34	1.85	.06	.14	11	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
473 G	4	11	9	54	5	7	3	614	2.01	58	5	ND	1	155	1	2	2	4	2.35	.017	3	1	1.34	49	.01	6	.31	.02	.14	1	.01
474 G	20	74	55	297	4.5	28	9	695	3.79	287	5	ND	1	75	1	13	2	8	1.47	.042	2	1	.63	31	.01	7	.40	.01	.21	1	.07
475 G	11	48	47	34	5.2	20	9	253	3.64	245	5	ND	1	47	1	11	3	5	.52	.053	4	1	.19	40	.01	7	.41	.01	.22	1	.06
476 G	17	70	60	317	8.2	30	11	514	4.36	333	5	ND	1	48	1	13	2	9	.93	.060	3	2	.34	35	.01	6	.38	.01	.21	1	.07
477 G	10	47	57	9	7.1	22	7	474	2.87	175	5	ND	1	39	1	5	2	5	1.08	.041	5	1	.46	46	.01	8	.39	.01	.22	1	.07
478 G	12	37	62	26	9.8	18	6	121	2.52	268	5	ND	1	34	1	4	2	3	.29	.036	6	2	.09	41	.01	4	.31	.01	.17	1	.10
479 G	11	130	224	752	30.0	24	6	177	2.96	330	5	ND	1	28	3	28	2	4	.31	.041	5	4	.11	39	.01	4	.33	.01	.19	1	.12
480 G	11	55	48	16	7.4	25	11	172	3.62	207	5	ND	1	41	1	11	2	6	.39	.071	5	1	.12	34	.01	5	.43	.01	.23	1	.11
481 G	15	79	54	135	8.6	32	14	172	4.22	197	5	ND	1	41	1	13	2	7	.32	.058	4	2	.10	24	.01	11	.40	.01	.22	1	.13
482 G	23	77	49	391	5.9	40	9	1042	3.15	153	5	ND	1	73	2	14	2	13	2.22	.069	3	3	.95	41	.01	16	.36	.01	.19	1	.10
483 G	24	62	62	325	8.1	29	9	272	3.98	280	5	ND	1	107	1	14	2	6	.97	.066	3	1	.14	37	.01	8	.41	.01	.22	1	.11
484 G	9	40	42	244	5.9	21	7	279	2.44	146	5	ND	1	65	1	5	2	4	.55	.035	5	2	.16	50	.01	12	.38	.01	.21	1	.06
485 G	14	67	54	292	6.3	38	10	212	3.06	141	5	ND	1	63	1	14	2	6	.56	.049	4	3	.23	43	.01	6	.35	.01	.20	1	.08
486 G	5	24	31	168	3.4	11	4	673	2.23	113	5	ND	1	128	1	2	3	4	1.88	.024	5	2	.86	47	.01	6	.36	.01	.19	1	.03
487 G	8	23	23	24	4.1	9	3	455	1.91	70	5	ND	1	225	1	2	2	4	1.76	.021	6	2	.82	68	.01	13	.34	.01	.18	1	.02
488 G	16	55	44	42	8.8	19	7	579	2.85	108	5	ND	1	123	1	10	2	5	1.65	.035	3	4	.74	47	.01	5	.29	.01	.18	1	.08
489 G	5	20	19	129	2.5	11	4	631	2.04	106	5	ND	1	132	1	2	3	6	2.63	.029	3	2	1.36	43	.01	6	.32	.01	.17	1	.09
490 G	13	36	41	50	4.7	25	6	728	2.75	131	5	ND	1	152	1	5	2	7	2.10	.036	4	1	.94	42	.01	9	.33	.01	.18	1	.05
491 G	3	10	15	25	1.6	10	1	492	2.12	100	5	ND	1	99	1	3	2	3	1.35	.005	2	4	.61	28	.01	8	.24	.01	.14	1	.03
492 G	4	7	11	37	.7	8	1	138	1.06	56	5	ND	2	32	1	2	3	1	.42	.008	3	4	.20	37	.01	4	.23	.01	.14	1	.01
493 G	4	11	17	16	1.3	11	1	238	1.10	54	5	ND	2	54	1	2	2	2	.64	.013	3	5	.26	36	.01	5	.20	.01	.13	1	.02
494 G	3	15	14	24	1.1	13	3	68	1.35	155	5	ND	3	35	1	2	2	2	.41	.015	4	7	.03	57	.01	11	.22	.01	.15	1	.01
495 G	3	17	16	24	1.6	16	4	106	1.49	230	5	ND	2	81	1	2	3	2	.44	.018	3	7	.04	50	.01	4	.21	.01	.14	1	.02
496 G	4	17	16	20	1.6	17	4	105	1.47	148	5	ND	1	32	1	2	2	2	.31	.021	3	8	.08	39	.01	5	.19	.01	.12	1	.03
497 G	12	71	67	46	7.6	33	10	400	3.92	135	5	ND	1	45	1	14	2	8	.68	.052	3	4	.25	38	.01	13	.31	.01	.18	1	.07
498 G	22	56	83	210	5.6	26	7	887	3.21	215	5	ND	1	144	1	15	2	13	1.78	.059	2	4	.61	49	.01	5	.29	.01	.17	1	.07
499 G	29	95	134	524	10.5	59	13	341	4.50	181	5	ND	1	70	3	16	2	20	.59	.074	4	3	.17	25	.01	7	.35	.01	.20	1	.11
500 G	10	63	108	313	8.0	28	10	932	4.53	217	5	ND	1	72	2	6	3	36	1.45	.043	2	6	.59	38	.01	5	.24	.01	.14	1	.05
501 G	17	63	30	201	.9	44	13	604	4.48	117	5	ND	1	128	1	2	2	13	2.75	.074	3	3	1.09	55	.01	6	.47	.01	.25	1	.03
502 G	3	56	6	143	.2	67	19	990	4.44	145	5	ND	1	729	1	2	2	55	8.78	.154	8	53	1.92	67	.01	6	.88	.01	.16	1	.01
503 G	2	57	7	108	.2	99	24	811	6.01	185	5	ND	1	281	1	2	2	86	4.42	.210	11	78	2.47	71	.01	4	1.41	.01	.18	1	.01
504 G	2	57	9	121	.2	78	21	1033	4.95	200	5	ND	1	368	1	2	2	99	7.10	.194	11	83	2.44	60	.01	2	1.35	.01	.11	1	.01
505 G	16	63	23	268	1.1	51	11	843	4.03	582	5	ND	1	126	2	2	2	17	3.85	.085	5	6	1.54	60	.01	6	.46	.01	.23	1	.01
506 G	17	63	36	200	.8	33	11	485	4.34	83	5	ND	1	136	2	2	2	12	2.64	.067	3	2	.89	30	.01	6	.43	.01	.22	1	.13
507 G	17	55	27	206	2.0	34	8	611	3.71	77	5	ND	1	250	1	2	2	11	4.78	.058	3	2	1.09	61	.01	11	.39	.01	.20	1	.01
508 G	2	86	11	161	.1	71	21	969	4.37	75	5	ND	1	248	1	2	2	55	7.08	.187	8	57	2.03	88	.01	3	.82	.01	.19	1	.01
STD C	18	61	39	133	6.6	69	31	1030	4.07	44	19	7	38	48	18	15	22	58	.50	.089	38	56	.91	175	.06	37	1.96	.06	.14	13	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W Au** PPM GM/T	
509 G	12	65	28	165	2.6	50	13	541	3.95	81	5	ND	1	133	1	8	3	14	3.99	.112	4	8	1.42	54	.01	13	.49	.01	.28	1	.03
510 G	3	41	8	193	.3	37	12	1628	5.69	113	5	ND	3	269	2	2	2	28	10.81	.113	6	18	3.31	60	.01	3	.37	.01	.19	1	.01
511 G	3	23	9	143	.1	36	15	629	5.99	39	5	ND	2	87	1	2	2	15	2.54	.126	5	7	1.51	45	.01	13	.43	.01	.25	1	.01
512 G	3	31	12	137	.1	14	12	433	4.60	25	5	ND	2	71	1	2	2	11	1.69	.107	5	3	1.06	54	.01	5	.47	.01	.28	1	.02
513 G	5	34	22	61	.3	26	13	507	3.67	50	5	ND	3	109	1	9	2	7	2.76	.101	5	2	.85	24	.01	7	.37	.01	.22	1	.01
514 G	10	46	38	495	1.1	22	8	490	3.07	65	5	ND	1	83	4	12	2	8	1.93	.054	2	4	.71	33	.01	4	.35	.01	.22	1	.02
515 G	3	51	20	117	.2	12	11	530	3.74	43	5	ND	2	84	1	13	2	10	2.15	.095	4	2	.76	42	.01	4	.39	.01	.23	1	.01
516 G	3	42	10	104	.1	11	12	561	3.37	26	5	ND	3	90	1	4	2	10	2.67	.105	7	2	1.01	46	.01	4	.41	.01	.24	1	.02
517 G	7	11	9	71	.1	12	3	282	1.51	16	5	ND	1	57	1	2	2	2	1.54	.035	7	4	.33	60	.01	5	.23	.01	.14	1	.01
518 G	7	8	7	62	.1	8	2	297	1.00	9	5	ND	2	58	1	2	2	1	1.50	.036	11	3	.43	79	.01	5	.26	.02	.16	1	.03
519 G	10	22	16	99	.2	17	4	110	2.33	21	5	ND	3	36	1	2	2	2	.54	.044	10	3	.17	49	.01	14	.34	.01	.21	1	.03
520 G	9	26	12	89	.1	14	4	276	2.22	22	5	ND	3	57	1	2	2	2	1.20	.042	9	2	.38	48	.01	5	.34	.01	.22	1	.02
521 G	9	52	33	239	.8	18	7	441	3.24	58	5	ND	2	207	2	12	2	6	3.24	.050	4	2	.64	33	.01	4	.34	.01	.21	1	.06
522 G	11	57	36	149	1.2	23	10	260	4.09	62	5	ND	1	61	1	13	2	7	1.08	.061	4	3	.32	22	.01	6	.35	.01	.22	1	.02
523 G	10	20	23	935	.8	23	5	284	2.57	26	5	ND	3	78	11	4	2	2	1.45	.042	8	3	.35	41	.01	16	.35	.01	.21	1	.01
524 G	7	8	18	19	.1	8	2	660	1.74	21	5	ND	2	167	1	2	2	2	5.84	.029	5	2	1.04	58	.01	5	.25	.01	.16	1	.01
525 G	4	3	13	92	.1	3	1	2176	2.12	8	5	ND	4	407	1	2	2	4	15.85	.033	11	1	4.75	67	.01	3	.20	.01	.13	1	.01
526 G	4	2	9	35	.1	3	1	1887	1.56	4	5	ND	3	293	1	2	2	4	12.54	.033	11	1	4.63	62	.01	13	.24	.01	.15	1	.01
527 G	5	2	11	75	.1	4	1	1926	2.00	9	5	ND	2	287	1	2	2	4	11.40	.037	11	1	4.03	63	.01	4	.25	.01	.16	1	.01
528 G	8	5	9	76	.1	5	1	661	.95	5	5	ND	3	91	1	2	2	2	2.85	.044	9	2	1.14	63	.01	8	.30	.01	.20	1	.01
529 G	7	11	21	148	.1	11	3	611	1.75	11	5	ND	3	142	1	3	2	2	3.20	.036	6	2	.88	56	.01	6	.25	.01	.15	1	.01
530 G	6	8	15	141	.1	7	2	254	1.34	11	5	ND	3	53	1	2	2	1	1.28	.046	10	2	.37	34	.01	10	.33	.01	.19	1	.01
531 G	5	22	35	275	.1	16	5	501	2.59	55	5	ND	2	176	3	11	2	5	3.50	.055	6	5	.89	47	.01	14	.33	.01	.20	1	.01
532 G	9	37	50	1186	.2	17	6	531	2.72	83	5	ND	3	162	10	14	2	6	3.33	.044	6	3	.98	60	.01	5	.37	.01	.23	1	.02
533 G	9	37	31	89	.1	18	6	476	2.62	42	5	ND	3	96	1	10	2	5	2.15	.034	12	3	.72	66	.01	6	.32	.01	.19	1	.01
534 G	5	44	14	123	.1	22	11	1140	3.82	38	5	ND	2	203	1	9	2	20	4.62	.088	8	3	1.69	62	.01	7	.45	.01	.22	1	.03
535 G	6	18	2	96	.1	7	4	796	2.26	12	5	ND	5	157	1	3	2	4	3.81	.030	21	3	.89	185	.01	7	.34	.01	.22	1	.01
536 G	3	41	19	92	.1	17	12	357	3.15	28	5	ND	2	79	1	4	2	15	2.08	.086	8	3	.62	66	.01	18	.41	.01	.23	1	.01
537 G	8	46	40	123	.1	17	8	435	3.03	51	5	ND	2	184	1	4	2	8	3.35	.064	7	2	.74	54	.01	4	.36	.02	.21	1	.02
538 G	1	6	4	43	.1	4	3	749	1.09	6	5	ND	7	138	1	2	2	3	4.32	.063	23	2	.79	239	.01	16	.31	.02	.18	1	.01
539 G	1	6	4	42	.1	3	2	1664	2.57	3	5	ND	5	271	1	2	2	6	9.48	.043	17	2	2.46	446	.01	11	.79	.01	.12	1	.01
540 G	3	9	9	64	.1	6	3	900	2.15	11	5	ND	4	159	1	2	2	5	4.14	.048	17	2	1.29	165	.01	13	.53	.01	.17	1	.01
541 G	6	10	15	65	.1	9	3	666	1.74	20	5	ND	3	93	1	2	2	2	3.38	.049	11	2	.36	61	.01	15	.28	.02	.18	1	.01
542 G	6	12	17	71	.1	9	4	654	1.71	26	5	ND	3	89	1	2	2	3	3.30	.056	12	3	.43	49	.01	4	.32	.01	.19	1	.01
543 G	6	6	14	65	.1	6	3	463	1.44	25	5	ND	3	68	1	2	3	2	2.34	.050	14	2	.31	76	.01	4	.28	.02	.16	2	.01
544 G	5	14	28	64	.1	12	7	428	3.19	68	5	ND	4	79	1	2	2	2	2.33	.048	12	2	.32	21	.01	3	.31	.01	.19	1	.02
STD C	17	58	38	132	6.6	67	29	1017	3.84	42	21	6	36	47	18	15	18	57	.44	.097	36	54	.88	174	.06	34	1.85	.06	.13	13	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
545 G	6	18	21	76	.2	8	5	181	2.12	38	5	ND	5	47	1	2	2	3	1.01	.057	22	1	.16	61	.01	5	.32	.02	.23	1	.01
546 G	5	11	12	71	.2	5	3	386	1.11	13	5	ND	6	78	1	2	2	3	1.97	.050	22	2	.35	164	.01	7	.23	.03	.17	1	.07
547 G	5	12	8	65	.1	5	2	480	1.02	7	5	ND	4	96	1	2	2	3	2.37	.047	22	2	.52	159	.01	6	.21	.02	.15	1	.01
548 G	5	13	11	62	.1	5	3	702	1.51	12	5	ND	4	105	1	2	2	5	3.05	.045	17	2	.78	96	.01	2	.21	.02	.16	1	.01
549 G	5	12	17	71	.1	7	4	670	1.95	26	5	ND	4	111	1	2	2	4	2.84	.055	15	2	.69	49	.01	8	.25	.02	.20	2	.01
550 G	5	10	16	67	.2	8	4	523	2.01	29	5	ND	4	99	1	2	2	4	2.54	.057	14	2	.54	67	.01	2	.22	.02	.18	1	.01
583 G	6	16	88	449	1.2	7	2	879	1.90	34	5	ND	3	105	3	2	2	2	2.79	.025	6	2	1.06	78	.01	7	.24	.01	.19	1	.04
584 G	6	21	44	101	.9	7	3	726	1.95	78	5	ND	2	81	1	2	2	2	2.25	.031	7	1	.81	49	.01	10	.27	.01	.18	1	.04
585 G	11	58	32	179	.9	36	12	1025	4.46	108	5	ND	1	171	1	9	2	21	4.02	.093	7	8	1.42	54	.01	2	.30	.01	.20	1	.02
586 G	4	61	6	129	.1	84	21	718	5.68	109	5	ND	1	375	1	2	2	58	4.51	.204	11	46	2.31	90	.01	14	.52	.02	.24	1	.02
587 G	18	67	47	86	1.3	37	12	462	4.69	123	5	ND	2	158	1	11	2	12	3.02	.068	3	3	.91	50	.01	3	.32	.01	.23	1	.03
588 G	18	59	41	199	.4	45	9	365	3.53	82	5	ND	1	69	1	11	2	10	1.23	.060	6	3	.55	69	.01	2	.35	.01	.24	1	.03
589 G	14	44	9	138	.1	54	13	796	4.58	54	5	ND	1	207	1	2	2	59	4.41	.098	8	37	1.45	48	.01	7	.68	.03	.12	1	.01
590 G	1	58	8	106	.1	105	24	811	6.08	44	5	ND	1	207	1	2	2	130	4.33	.219	15	123	2.87	75	.01	11	2.00	.02	.12	1	.01
591 G	11	70	28	232	.9	34	15	996	6.07	130	5	ND	1	86	1	3	2	29	3.17	.088	6	5	1.52	46	.01	4	.45	.02	.22	1	.03
592 G	12	53	21	185	.9	25	13	890	4.57	114	5	ND	2	131	1	2	2	18	3.85	.092	7	6	1.19	62	.01	2	.37	.01	.22	1	.01
593 G	4	39	13	128	.1	13	13	775	5.03	236	5	ND	1	101	1	2	2	27	3.03	.101	7	7	1.23	65	.01	3	.45	.02	.21	1	.03
594 G	5	25	18	164	.5	11	12	728	5.58	95	5	ND	3	71	1	2	2	21	2.08	.106	8	3	1.11	63	.01	5	.43	.01	.24	1	.01
595 G	8	37	24	182	1.3	15	10	723	5.29	76	5	ND	4	60	1	2	2	17	1.78	.085	8	2	1.00	62	.01	2	.37	.01	.25	1	.01
596 G	8	41	20	149	.5	12	11	371	2.69	60	5	ND	2	46	1	2	2	11	1.30	.087	8	2	.51	73	.01	5	.40	.01	.26	1	.01
597 G	9	47	22	186	.8	16	11	760	4.71	74	5	ND	2	96	1	2	2	15	2.69	.097	7	2	1.00	68	.01	12	.45	.01	.24	1	.03
598 G	1	84	25	108	.4	80	24	1405	6.57	252	7	ND	2	223	1	2	2	44	8.08	.232	13	39	2.07	77	.01	13	.66	.01	.30	1	.02
599 G	5	33	31	153	.5	20	13	810	4.49	77	5	ND	3	153	1	2	2	18	4.18	.115	7	7	1.31	64	.01	2	.38	.01	.22	1	.02
600 G	5	29	148	123	.2	21	6	827	2.95	45	8	ND	1	328	1	2	2	10	6.09	.058	4	6	1.08	61	.01	7	.27	.02	.18	1	.01
651 G	4	10	17	36	.6	4	3	778	1.94	80	5	ND	4	96	1	2	2	3	2.18	.047	7	2	.61	41	.01	18	.29	.01	.23	1	.02
652 G	9	39	74	148	3.6	22	8	2928	5.37	148	5	ND	1	124	1	5	2	61	5.79	.044	4	7	2.11	40	.01	5	.24	.02	.15	1	.03
653 G	9	35	32	82	3.2	21	10	946	2.54	100	5	ND	1	210	1	2	2	17	3.51	.083	4	8	.49	43	.01	16	.19	.04	.10	1	.04
654 G	18	56	58	165	6.8	35	11	339	4.07	262	5	ND	4	82	1	13	2	11	.89	.069	4	6	.27	42	.01	6	.28	.01	.23	1	.05
655 G	4	163	19	252	3.1	22	13	1185	2.65	144	5	ND	1	173	2	28	2	30	3.05	.158	5	17	.79	26	.01	2	.17	.05	.08	1	.02
656 G	5	67	40	501	3.4	30	16	526	4.05	209	5	ND	3	83	3	4	2	25	1.47	.154	6	13	.33	27	.01	21	.22	.04	.14	1	.03
657 G	9	46	41	112	6.7	29	10	190	5.54	280	5	ND	2	60	1	10	2	9	.55	.061	4	7	.10	27	.01	15	.20	.03	.13	1	.07
658 G	7	43	53	21	5.9	20	11	198	6.76	296	5	ND	3	46	1	9	2	10	.45	.054	4	7	.12	21	.01	4	.21	.03	.14	1	.05
659 G	6	65	45	114	5.2	37	16	974	6.27	271	5	ND	1	68	1	10	2	27	2.19	.082	5	9	.79	30	.01	2	.26	.03	.16	1	.04
660 G	3	24	21	146	1.4	26	14	1254	3.91	156	5	ND	3	164	1	2	2	32	3.60	.111	7	10	1.08	38	.01	9	.25	.04	.15	1	.01
661 G	3	38	20	83	1.9	40	17	440	5.75	213	5	ND	4	106	1	3	2	17	1.88	.104	5	10	.35	22	.01	2	.18	.04	.12	1	.02
662 G	3	31	8	33	1.2	25	14	1157	2.98	140	5	ND	3	108	1	2	2	29	3.33	.109	6	9	1.08	34	.01	2	.21	.03	.12	1	.02
STD C/AU-R	18	60	38	132	7.1	70	29	1034	4.00	38	19	7	38	48	18	17	18	59	.45	.091	38	55	.80	176	.06	33	1.72	.06	.14	13	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
663 G	2	46	6	69	1.3	17	12	975	4.13	126	5	ND	1	98	1	2	3	31	2.66	.086	4	8	.88	28	.01	6	.27	.03	.11	1	.03
664 G	2	48	5	36	.9	13	10	1330	1.77	59	5	ND	1	213	1	6	2	33	4.43	.109	6	14	1.24	37	.01	3	.25	.04	.08	2	.04
665 G	14	68	23	322	.8	29	10	366	3.96	151	5	ND	1	264	2	11	2	11	1.90	.062	4	1	.57	38	.01	2	.36	.01	.21	1	.04
666 G	13	45	14	146	.1	20	9	282	3.33	72	5	ND	1	67	1	3	2	8	.71	.063	6	5	.45	55	.01	4	.40	.01	.22	1	.02
667 G	9	27	5	123	.1	16	6	413	2.73	52	5	ND	1	114	1	2	2	6	2.16	.045	5	2	.40	50	.01	5	.30	.01	.15	1	.02
668 G	15	53	14	164	.1	30	10	468	4.01	72	5	ND	1	100	1	4	2	15	1.79	.056	5	3	.67	53	.01	5	.37	.01	.21	1	.03
669 G	15	50	19	248	.4	22	8	482	3.22	70	5	ND	1	102	1	3	2	10	1.98	.051	6	1	.41	44	.01	2	.36	.01	.22	1	.09
670 G	7	24	15	139	.9	9	5	635	2.21	44	5	ND	1	156	1	3	2	3	3.49	.026	6	10	.25	51	.01	2	.34	.01	.22	1	.02
671 G	8	50	18	97	.7	30	18	921	5.95	91	5	ND	1	180	1	2	2	30	4.56	.161	8	11	.96	30	.01	14	.48	.01	.23	1	.08
672 G	8	40	15	134	.8	17	10	820	3.49	50	5	ND	1	164	1	2	2	17	4.50	.093	5	6	.80	55	.01	2	.38	.01	.19	1	.04
673 G	11	41	17	162	.4	21	9	566	4.02	66	5	ND	1	138	1	3	2	12	2.68	.060	3	1	.85	27	.01	2	.37	.01	.19	1	.05
674 G	2	3	6	51	.1	1	1	792	1.17	6	5	ND	1	375	1	2	2	1	5.86	.005	5	19	.27	33	.01	2	.17	.02	.09	1	.03
675 G	2	4	3	49	.1	1	1	855	.97	7	5	ND	1	342	1	2	3	1	6.47	.004	6	2	.27	44	.01	2	.20	.01	.12	1	.02
676 G	2	6	4	54	.1	1	1	711	1.10	4	5	ND	1	226	1	2	2	1	4.69	.007	6	21	.32	45	.01	11	.22	.02	.12	1	.01
677 G	6	39	19	109	.6	15	10	478	3.36	78	5	ND	1	111	1	2	2	7	2.42	.085	8	3	.41	50	.01	6	.42	.01	.21	1	.03
678 G	8	57	21	135	.6	24	12	470	4.53	61	5	ND	2	89	1	2	2	17	2.09	.075	9	7	.78	43	.01	4	.46	.01	.24	1	.05
679 G	10	60	17	182	.2	24	13	593	4.43	64	5	ND	1	109	1	4	2	17	2.83	.087	5	2	.91	37	.01	2	.43	.01	.21	1	.04
680 G	8	52	13	168	.1	14	10	729	3.93	58	5	ND	1	202	1	4	2	12	4.79	.059	3	5	1.01	41	.01	3	.39	.01	.20	1	.01
681 G	9	56	20	287	.2	18	8	815	3.82	66	5	ND	1	303	2	6	2	9	5.16	.046	3	1	.92	37	.01	4	.33	.01	.18	1	.03
682 G	11	53	28	265	.3	23	10	405	4.21	76	5	ND	1	104	2	7	2	9	1.92	.048	4	3	.59	33	.01	3	.35	.01	.19	1	.04
683 G	9	57	23	426	.5	16	9	926	3.59	66	5	ND	1	467	3	6	2	8	10.24	.050	3	1	.70	38	.01	2	.31	.01	.17	1	.04
684 G	3	17	7	173	.1	7	3	1254	1.84	21	5	ND	1	677	1	2	2	4	16.64	.029	3	9	.55	68	.01	2	.19	.01	.10	1	.01
685 G	7	48	23	173	.3	24	10	814	3.72	58	5	ND	1	153	1	4	2	15	3.92	.066	4	4	.69	57	.01	14	.36	.01	.19	1	.02
686 G	10	33	16	108	.2	17	7	826	3.24	47	5	ND	1	340	1	3	2	8	7.05	.059	3	6	.55	59	.01	6	.33	.01	.17	1	.02
687 G	1	61	6	217	.1	20	16	1002	5.04	24	5	ND	1	174	1	2	2	38	5.01	.173	9	13	1.32	67	.01	9	.48	.01	.22	1	.01
688 G	11	65	18	289	.4	29	10	499	4.34	63	5	ND	1	104	2	2	2	16	2.16	.050	4	4	.77	47	.01	3	.42	.01	.23	1	.02
689 G	5	5	2	76	.1	1	2	319	1.46	8	5	ND	1	98	1	2	2	1	1.77	.011	19	1	.38	81	.01	5	.43	.01	.25	1	.01
690 G	13	54	12	169	.2	33	12	752	4.27	56	5	ND	1	139	1	3	2	21	4.23	.094	6	5	.73	53	.01	2	.44	.01	.20	1	.03
691 G	2	53	6	99	.1	10	15	779	4.28	16	5	ND	2	133	1	2	2	31	4.21	.201	12	2	.79	83	.01	5	.55	.02	.24	1	.02
692 G	6	45	24	176	.3	18	8	633	3.55	47	5	ND	1	166	1	2	2	12	4.22	.047	3	5	.69	32	.01	6	.34	.01	.17	1	.03
693 G	5	29	18	144	.1	13	8	553	3.10	27	5	ND	1	110	1	2	2	9	3.24	.073	9	2	.48	53	.01	4	.36	.01	.17	1	.02
694 G	6	45	17	104	.2	19	12	626	4.27	38	5	ND	1	116	1	3	2	15	2.70	.088	6	4	.81	51	.01	10	.46	.01	.22	1	.03
695 G	14	76	25	337	.2	31	13	498	4.90	64	5	ND	1	100	2	2	2	16	2.07	.073	4	3	.71	24	.01	2	.41	.01	.21	1	.04
696 G	6	61	13	206	.2	27	17	759	4.33	38	5	ND	1	131	1	2	2	26	3.54	.106	7	11	.89	74	.01	12	.48	.01	.23	1	.01
697 G	4	52	6	82	.1	20	13	741	4.47	37	5	ND	1	160	1	2	2	31	4.46	.163	9	9	1.10	87	.01	6	.58	.01	.26	1	.02
698 G	2	54	3	77	.1	19	14	822	4.51	33	5	ND	1	184	1	2	2	32	5.53	.124	8	10	1.54	85	.01	7	.54	.01	.24	1	.01
STD C	17	60	37	132	7.1	66	30	1017	4.00	41	17	7	37	47	17	15	22	57	.48	.089	37	54	.88	171	.06	33	1.92	.06	.14	12	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
699 G	11	79	23	177	.2	29	11	557	4.41	.47	5	ND	2	94	1	2	2	20	2.42	.082	5	4	.67	48	.01	2	.32	.01	.20	1	.02
700 G	12	62	28	126	.1	28	10	544	4.28	.52	5	ND	2	105	1	2	2	13	2.65	.067	4	4	.77	36	.01	3	.32	.01	.20	1	.01
R-2-1	13	63	91	481	8.6	36	11	419	3.71	149	5	ND	1	39	3	13	2	18	.65	.054	2	4	.25	30	.01	4	.23	.01	.18	1	.06
R-2-2	18	43	122	239	8.1	27	8	237	4.05	174	5	ND	2	33	1	14	2	20	.40	.072	3	12	.12	21	.01	5	.26	.01	.19	1	.07
R-2-3	23	71	156	551	9.5	33	12	269	5.22	485	5	ND	2	53	3	18	2	18	.67	.102	3	3	.18	18	.01	3	.29	.01	.20	1	.10
R-2-4	2	21	39	50	2.2	6	2	336	1.72	213	5	ND	1	120	1	2	2	4	.99	.019	4	28	.08	50	.01	2	.15	.01	.14	1	.04
R-2-5	4	21	39	53	1.8	13	2	191	1.34	57	5	ND	1	81	1	2	2	2	.57	.020	4	8	.02	41	.01	7	.12	.01	.11	1	.01
R-2-6	1	50	410	1039	3.6	4	3	60	2.93	238	7	ND	2	22	6	6	2	7	.17	.015	6	20	.03	31	.01	5	.23	.01	.18	1	.15
R-2-7	3	15	227	176	1.7	8	2	84	1.49	76	5	ND	1	32	1	2	2	2	.41	.022	3	5	.03	31	.01	6	.14	.01	.11	1	.04
R-2-8	13	59	229	583	5.8	26	5	58	2.91	140	5	ND	1	19	3	12	2	5	.18	.035	5	20	.02	38	.01	5	.22	.01	.17	1	.04
R-2-9	9	10	93	322	.7	6	1	67	1.99	92	5	ND	1	45	2	2	2	1	.28	.011	6	5	.03	53	.01	5	.17	.01	.16	1	.05
R-2-10	6	21	133	673	.7	3	1	46	1.74	65	5	ND	1	14	4	18	2	1	.11	.009	6	28	.01	54	.01	4	.14	.01	.14	1	.05
R-2-11	6	12	97	135	.4	6	1	68	1.43	77	5	ND	2	50	1	6	2	1	.31	.010	8	5	.02	56	.01	6	.11	.01	.13	1	.02
R-2-12	3	6	23	91	.1	2	1	41	1.14	115	5	ND	1	30	1	3	2	1	.25	.007	9	25	.02	49	.01	12	.17	.01	.15	1	.02
R-2-13	4	5	17	13	.4	5	1	45	1.82	76	5	ND	1	17	1	2	2	1	.16	.008	9	4	.01	52	.01	10	.18	.01	.15	1	.01
R-2-14	3	7	19	17	.7	2	1	73	1.58	61	5	ND	2	77	1	2	2	1	.95	.008	6	20	.03	46	.01	8	.23	.01	.17	2	.01
R-2-15	3	5	16	9	.4	3	1	65	1.64	143	5	ND	2	75	1	2	2	1	.95	.008	6	3	.03	46	.01	7	.26	.01	.18	2	.03
R-2-16	3	4	25	18	.1	1	1	96	1.64	345	5	ND	1	142	1	2	2	1	3.35	.004	2	13	.04	46	.01	7	.24	.01	.13	1	.04
R-2-17	3	6	16	10	.1	3	1	50	1.08	177	5	ND	1	49	1	2	2	1	.67	.008	6	3	.03	49	.01	12	.18	.01	.12	1	.03
R-2-18	3	10	14	25	.1	7	1	39	1.23	189	5	ND	1	12	1	2	2	1	.14	.008	9	6	.02	43	.01	3	.15	.01	.13	1	.02
R-2-19	4	7	13	87	.1	6	1	30	1.14	186	5	ND	1	10	1	2	2	1	.08	.007	7	5	.01	32	.01	7	.11	.02	.09	1	.01
R-2-20	4	6	15	52	.2	7	1	42	1.34	172	5	ND	1	18	1	2	2	1	.16	.007	9	6	.02	30	.01	4	.14	.02	.10	1	.02
R-2-21	4	7	15	108	.1	7	1	66	1.20	131	5	ND	1	9	1	2	2	1	.09	.008	10	7	.01	34	.01	7	.12	.03	.09	1	.03
R-2-22	3	7	16	94	.1	9	1	64	1.16	189	5	ND	1	10	1	2	2	1	.11	.008	9	8	.02	37	.01	6	.10	.03	.07	1	.07
R-2-23	5	9	59	562	.4	7	1	29	2.15	195	5	ND	1	8	3	2	2	1	.07	.008	8	7	.02	26	.01	6	.14	.02	.11	1	.09
R-2-24	4	5	19	116	.2	7	1	38	1.58	133	5	ND	1	11	1	2	2	1	.10	.008	10	6	.02	33	.01	11	.16	.01	.13	1	.05
R-2-25	3	4	14	97	.1	5	1	32	1.33	103	5	ND	1	10	1	2	2	1	.10	.009	7	5	.02	60	.01	12	.14	.01	.11	1	.02
R-2-26	3	5	12	77	.2	7	1	52	1.63	114	5	ND	1	9	1	2	2	1	.09	.011	8	6	.02	42	.01	2	.13	.01	.14	1	.05
R-2-27	2	5	10	53	.1	6	1	48	1.65	104	5	ND	1	8	1	2	2	1	.04	.007	9	6	.02	42	.01	3	.17	.01	.14	1	.02
R-2-28	3	5	8	66	.1	6	1	42	1.50	98	5	ND	1	10	1	2	2	1	.06	.008	9	5	.02	41	.01	3	.15	.01	.13	1	.03
R-2-29	3	4	16	64	.2	5	1	47	1.98	161	5	ND	1	15	1	2	2	1	.11	.010	8	5	.04	36	.01	3	.17	.01	.13	1	.09
R-2-30	2	4	13	25	.2	6	1	45	1.43	111	5	ND	1	17	1	2	2	1	.08	.008	9	5	.03	34	.01	5	.16	.01	.13	1	.04
R-2-31	3	4	32	116	.1	5	1	61	1.40	134	5	ND	1	22	1	5	2	1	.23	.007	10	5	.06	55	.01	8	.18	.01	.15	1	.02
R-2-32	3	4	21	114	.1	6	1	73	1.39	168	5	ND	1	22	1	4	2	1	.29	.008	9	6	.06	65	.01	6	.18	.01	.16	1	.02
R-2-33	2	3	11	74	.1	5	1	56	1.49	120	5	ND	1	36	1	2	2	1	.22	.006	8	5	.03	45	.01	4	.17	.01	.15	1	.05
R-2-34	5	4	16	93	.1	4	1	37	2.07	205	5	ND	1	12	1	2	2	1	.09	.006	9	4	.04	38	.01	6	.20	.01	.17	1	.05
STD C	18	59	39	132	7.2	66	29	1002	3.87	40	22	6	36	46	18	15	19	57	.45	.094	35	54	.88	174	.06	34	1.83	.06	.14	12	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
R-2-35	4	7	32	82	.4	3	1	354	1.84	94	5	ND	1	81	1	3	3	1	1.35	.005	7	2	.37	56	.01	12	.21	.01	.15	1	.06
R-2-36	4	6	23	21	.4	1	1	1179	2.46	155	5	ND	1	108	1	2	4	1	3.88	.005	3	1	1.63	38	.01	8	.26	.01	.14	1	.03
R-2-37	3	4	79	74	.3	1	1	376	1.42	79	5	ND	1	77	1	23	2	1	1.67	.007	6	17	.43	53	.01	13	.29	.01	.15	1	.04
R-2-38	4	5	38	11	.3	2	1	224	1.39	79	5	ND	1	73	1	8	3	1	1.13	.005	10	2	.11	60	.01	9	.29	.01	.16	1	.02
R-2-39	2	6	20	78	.3	1	1	296	1.65	124	5	ND	1	106	1	2	4	1	1.70	.006	7	17	.21	31	.01	11	.21	.01	.14	1	.02
R-2-40	5	7	20	44	.5	2	2	291	3.29	227	5	ND	1	28	1	2	4	1	.57	.004	7	2	.29	32	.01	8	.26	.01	.17	1	.05
R-2-41	3	5	22	61	.3	2	2	380	2.08	106	5	ND	1	40	1	2	3	1	.84	.008	9	22	.33	41	.01	9	.23	.01	.17	1	.04
R-2-42	3	5	20	127	.3	4	1	263	1.57	110	5	ND	1	46	1	2	2	1	.70	.006	13	4	.23	45	.01	9	.26	.01	.19	1	.02
R-2-43	2	3	14	49	.1	1	1	125	1.47	116	5	ND	1	33	1	2	2	1	.35	.007	12	18	.11	37	.01	3	.22	.01	.16	2	.06
R-2-44	5	4	19	147	.3	5	1	152	1.31	91	5	ND	1	82	1	2	2	1	.72	.006	9	4	.06	37	.01	4	.19	.01	.14	1	.04
R-2-45	5	21	12	195	.7	4	2	730	2.11	151	5	ND	1	349	1	2	2	2	3.44	.009	3	15	.35	34	.01	4	.20	.02	.11	1	.09
R-2-46	8	194	9	321	1.7	10	2	855	1.62	133	5	ND	1	267	2	26	4	4	4.14	.030	4	3	.26	35	.01	5	.18	.01	.10	1	.04
R-2-47	8	53	39	242	2.6	25	12	732	4.33	159	5	ND	1	107	1	5	2	14	2.24	.084	7	8	.86	46	.01	7	.40	.01	.21	1	.03
R-2-48	4	52	11	105	.5	35	18	999	4.15	105	5	ND	1	160	1	3	2	21	4.07	.160	9	14	.99	52	.01	4	.51	.01	.23	1	.03
R-2-49	3	22	8	125	.1	20	13	1126	5.51	23	5	ND	1	185	1	2	2	30	4.51	.090	9	6	1.34	50	.01	10	.78	.01	.17	1	.01
R-2-50	21	54	27	113	.3	38	10	699	3.61	64	5	ND	1	150	1	7	2	16	4.03	.055	5	3	.65	53	.01	10	.37	.01	.19	1	.03
R-2-51	1	63	6	113	.1	113	30	989	6.55	41	5	ND	1	220	1	2	2	119	5.57	.249	14	117	1.95	52	.01	9	2.44	.02	.17	1	.01
R-2-52	1	56	5	121	.1	109	31	845	7.83	58	5	ND	1	174	1	2	2	99	4.82	.217	12	85	1.77	26	.01	3	1.64	.02	.16	1	.01
R-2-53	18	79	43	68	1.6	39	11	379	4.48	69	5	ND	1	83	1	2	3	14	1.77	.054	3	2	.71	36	.01	4	.38	.01	.23	1	.09
R-2-54	28	82	51	291	2.9	49	12	354	4.39	73	5	ND	1	94	1	7	2	13	2.02	.063	4	2	.71	42	.01	4	.38	.01	.22	1	.04
R-2-55	9	46	22	165	1.9	20	14	920	4.82	49	5	ND	1	220	1	2	2	31	5.19	.081	6	3	1.46	55	.01	5	.49	.01	.20	1	.02
R-2-56	1	51	10	77	.5	79	23	1337	5.77	177	5	ND	1	213	1	2	2	63	6.70	.193	13	55	2.09	67	.01	2	.93	.01	.20	1	.02
R-2-57	1	38	9	94	.7	63	22	943	6.03	112	5	ND	1	177	1	2	2	41	4.84	.165	10	36	1.74	50	.01	12	.61	.01	.23	1	.01
R-2-58	2	18	6	110	.4	21	13	731	4.04	44	5	ND	1	120	1	2	2	20	3.69	.102	7	11	1.27	76	.01	14	.42	.01	.20	1	.02
R-2-59	6	44	9	191	.9	37	14	1184	4.24	164	5	ND	1	183	1	2	2	20	7.45	.107	5	11	1.44	57	.01	9	.40	.01	.21	1	.01
R-2-60	4	34	11	131	.9	12	12	646	4.25	350	5	ND	1	103	1	2	2	11	2.45	.101	5	2	1.09	54	.01	6	.45	.01	.23	1	.05
R-2-61	4	11	5	52	.5	7	2	650	1.60	15	5	ND	1	81	1	2	2	1	2.06	.014	7	4	.61	36	.01	5	.26	.01	.14	1	.02
R-2-62	14	59	33	22	5.0	44	14	525	4.27	119	5	ND	1	86	1	14	3	10	1.98	.079	3	5	.54	36	.01	11	.41	.01	.22	1	.03
R-2-63	9	56	26	60	2.4	29	13	619	4.37	72	5	ND	1	107	1	15	2	13	2.70	.074	4	3	1.04	52	.01	4	.42	.01	.23	1	.01
R-2-64	1	54	7	114	.1	96	25	1092	5.26	74	5	ND	1	220	1	2	2	32	6.78	.207	11	28	1.62	53	.01	6	.47	.01	.23	1	.01
R-2-65	1	55	2	92	.1	93	25	986	4.82	65	5	ND	1	214	1	2	2	33	6.15	.233	12	27	1.55	57	.01	11	.51	.01	.25	1	.01
R-2-66	7	48	33	127	.8	23	10	471	3.81	54	5	ND	1	105	1	2	2	7	2.47	.067	6	3	.65	44	.01	6	.39	.01	.21	1	.01
R-2-67	5	54	15	109	.2	24	17	718	5.08	43	5	ND	1	140	1	2	2	28	3.46	.136	8	10	1.57	61	.01	8	.50	.01	.24	1	.01
R-2-68	13	66	39	171	.9	34	13	573	4.47	66	5	ND	1	123	1	3	2	14	3.04	.075	5	4	.88	50	.01	4	.40	.01	.22	1	.02
R-2-69	3	8	11	59	.1	5	2	466	1.80	13	5	ND	1	168	1	2	2	1	3.01	.012	9	2	.16	42	.01	2	.25	.01	.15	1	.05
R-2-70	3	46	20	89	.6	17	11	1440	4.80	29	5	ND	2	161	1	2	2	12	6.54	.093	8	2	2.17	40	.01	7	.35	.01	.19	1	.02
R-2-71	6	60	23	106	.2	16	12	463	4.06	42	5	ND	1	93	1	2	2	9	2.37	.069	5	3	.79	45	.01	5	.39	.01	.21	1	.02
STD C	18	59	37	132	7.1	70	31	1028	4.07	37	17	7	38	48	17	15	20	57	.48	.089	38	54	.88	175	.06	34	1.94	.06	.13	12	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
R-3-16	17	85	27	202	.4	37	11	610	4.10	101	5	ND	2	162	2	13	2	12	3.55	.081	4	2	.82	41	.01	4	.35	.01	.21	1	.02
R-3-17	13	60	25	129	.3	29	12	616	4.49	82	7	ND	2	133	1	14	2	16	3.29	.074	4	3	.93	51	.01	5	.34	.01	.21	1	.01
R-3-18	12	48	25	167	.2	20	11	687	4.25	58	5	ND	2	155	1	15	2	24	3.95	.114	5	2	.98	53	.01	4	.38	.01	.22	1	.01
R-3-19	17	69	44	268	.5	36	12	456	4.28	94	5	ND	1	94	2	26	2	15	2.65	.082	4	2	.83	47	.01	5	.34	.01	.22	1	.01
R-3-20	6	55	35	102	1.0	17	12	501	4.06	94	5	ND	2	87	1	21	2	16	2.78	.114	4	2	.93	53	.01	6	.41	.01	.24	1	.01
R-3-21	4	28	31	54	.4	9	4	882	2.29	68	5	ND	1	151	1	16	2	5	3.55	.028	3	2	1.13	58	.01	4	.26	.01	.17	1	.01
R-3-22	12	23	54	560	1.4	18	4	786	1.94	129	5	ND	2	141	5	19	2	8	3.66	.042	3	2	.92	65	.01	4	.32	.01	.20	1	.04
R-3-23	8	28	32	207	2.4	12	4	950	2.51	295	5	ND	3	70	1	12	2	6	2.60	.036	5	2	1.11	41	.01	5	.34	.01	.22	1	.07
R-3-24	9	44	37	592	2.2	22	5	3435	4.76	642	5	ND	1	144	5	17	2	12	8.01	.040	4	2	3.70	34	.01	4	.31	.01	.19	1	.06
R-3-25	16	38	53	340	1.8	27	6	1446	3.54	294	5	ND	1	101	3	16	2	13	3.79	.053	3	3	1.61	37	.01	4	.29	.01	.18	1	.04
R-3-26	11	30	42	214	2.6	17	6	651	2.39	311	5	ND	1	90	2	9	2	5	1.76	.047	3	2	.72	41	.01	5	.29	.01	.18	1	.04
R-3-27	9	10	15	85	.2	4	2	526	1.11	51	5	ND	1	66	1	2	2	1	1.92	.019	8	1	.71	57	.01	3	.28	.01	.17	1	.01
R-3-28	6	10	15	68	1.0	7	2	529	1.14	108	5	ND	1	110	1	3	2	2	1.81	.024	7	1	.70	85	.01	6	.26	.01	.16	1	.01
R-3-29	33	62	53	133	5.2	56	8	836	2.89	262	5	ND	1	73	1	17	2	18	1.98	.075	3	5	.81	40	.01	11	.34	.01	.21	1	.09
R-3-30	20	39	34	71	3.4	32	5	1142	2.60	198	5	ND	1	112	1	13	2	11	3.10	.047	3	4	1.16	36	.01	4	.27	.01	.17	1	.08
R-3-31	6	18	25	189	1.9	9	3	738	1.60	198	5	ND	1	101	1	8	2	2	2.99	.026	5	1	.91	57	.01	4	.30	.01	.19	1	.05
R-3-32	20	60	82	156	7.9	31	9	173	3.19	287	5	ND	1	60	1	15	2	7	.63	.062	4	3	.14	38	.01	13	.34	.01	.22	1	.01
R-3-33	18	68	83	28	12.8	30	11	146	3.94	391	5	ND	1	32	1	14	2	6	.30	.065	4	3	.09	28	.01	11	.34	.01	.21	2	.17
R-3-34	16	62	79	26	14.0	28	10	112	3.93	524	5	ND	1	27	1	13	2	7	.25	.052	4	3	.06	16	.01	10	.33	.01	.22	1	.23
R-3-35	6	28	70	230	9.1	7	1	623	3.02	712	5	ND	2	51	1	14	2	2	1.09	.008	3	3	.46	30	.01	2	.25	.01	.16	1	.23
R-3-36	2	18	16	26	1.8	4	1	1221	1.69	201	5	ND	2	95	1	3	2	1	3.14	.006	2	2	1.16	40	.01	4	.24	.01	.18	2	.05
R-3-37	19	63	39	194	2.8	32	9	699	3.60	119	5	ND	2	133	2	14	2	10	2.87	.063	4	2	.83	31	.01	6	.35	.01	.23	1	.03
R-3-38	21	75	54	121	2.6	36	12	595	4.67	162	5	ND	1	117	1	13	2	13	2.59	.063	3	2	.85	37	.01	6	.33	.01	.22	1	.05
R-3-39	3	17	8	99	.2	15	12	1435	5.63	83	5	ND	2	264	2	3	2	30	7.06	.114	8	11	1.79	59	.01	3	.38	.01	.18	1	.01
R-3-40	9	68	28	103	.5	23	13	519	4.21	73	5	ND	1	100	1	10	2	16	2.15	.092	6	4	.83	60	.01	8	.44	.01	.27	1	.03
R-3-41	8	56	31	166	.3	12	8	434	4.09	72	5	ND	1	77	1	3	2	8	1.48	.055	6	1	.57	42	.01	14	.38	.01	.25	1	.02
R-3-42	8	39	17	151	.2	19	9	586	3.36	46	5	ND	2	120	1	3	2	11	2.50	.080	7	2	.72	20	.01	14	.46	.04	.27	1	.01
R-3-43	10	39	20	164	.5	17	7	491	3.18	47	5	ND	2	101	1	4	2	7	1.89	.048	6	2	.61	22	.01	5	.37	.03	.24	1	.01
R-3-44	9	34	18	157	1.2	18	6	640	2.79	55	5	ND	2	125	1	3	2	5	2.89	.047	5	1	.67	25	.01	14	.36	.03	.23	1	.01
R-3-45	6	21	18	107	.2	9	3	903	2.42	36	5	ND	2	191	1	2	2	3	4.21	.035	6	1	.84	30	.01	6	.33	.03	.19	1	.01
R-3-46	8	17	17	106	.1	10	4	373	1.85	28	5	ND	3	89	1	2	2	2	1.46	.039	11	1	.34	46	.01	5	.34	.03	.20	1	.01
R-3-47	9	12	16	97	.1	12	3	467	1.37	19	5	ND	3	112	1	2	2	2	2.23	.040	11	1	.36	73	.01	16	.29	.02	.17	1	.01
R-3-48	5	14	15	85	.1	7	3	974	1.59	19	5	ND	2	159	1	2	2	2	4.53	.031	6	3	.61	39	.01	8	.29	.02	.20	1	.01
R-3-49	4	7	6	54	.1	7	2	597	1.30	12	5	ND	1	102	1	2	2	1	2.49	.031	6	2	.44	81	.01	4	.28	.02	.18	1	.01
R-3-50	4	8	7	41	.2	5	2	496	1.61	12	5	ND	2	104	1	2	2	1	2.57	.025	6	3	.44	68	.01	6	.28	.02	.17	2	.03
R-3-51	1	54	5	54	.3	17	11	1262	3.09	26	5	ND	3	177	1	9	2	13	5.85	.087	8	3	1.79	51	.01	6	.49	.03	.27	1	.01
STD C	18	60	40	132	6.8	68	30	992	3.85	41	19	6	36	47	19	15	22	58	.44	.098	36	56	.86	174	.06	35	1.80	.06	.14	13	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
R-3-52	2	54	18	77	.1	23	14	535	3.88	35	5	ND	5	89	1	4	2	16	2.21	.122	9	4	1.18	81	.01	10	.38	.03	.22	1	.01
R-3-53	5	41	13	137	.4	23	13	803	3.87	30	5	ND	4	133	1	7	2	18	3.72	.103	9	4	1.88	117	.01	14	.32	.03	.20	1	.01
R-3-54	8	42	28	128	.4	15	8	546	3.31	62	5	ND	3	67	1	15	2	5	1.67	.050	4	2	.53	39	.01	11	.26	.02	.20	2	.03
R-3-55	15	45	34	71	1.4	24	9	380	3.58	57	5	ND	3	120	1	16	2	5	2.03	.090	5	3	.34	25	.01	4	.31	.02	.20	1	.02
R-3-56	5	10	14	69	.1	6	2	848	2.31	25	5	ND	3	225	1	2	2	1	4.42	.019	7	4	.65	57	.01	8	.21	.02	.15	1	.01
R-3-57	6	8	14	58	.1	7	1	371	1.44	24	5	ND	4	112	1	2	2	1	1.79	.009	9	6	.11	40	.01	2	.15	.03	.10	1	.01
R-3-58	4	7	14	56	.4	5	1	342	1.28	16	5	ND	3	141	1	2	2	1	2.00	.008	8	4	.12	38	.01	8	.15	.02	.10	1	.01
R-3-59	5	6	15	75	.2	6	1	430	1.33	13	5	ND	3	110	1	2	2	1	2.13	.009	8	5	.22	52	.01	5	.17	.02	.10	1	.01
R-3-60	6	7	17	49	.1	5	1	409	1.78	13	5	ND	5	102	1	2	2	1	2.06	.008	13	4	.39	57	.01	4	.22	.02	.15	1	.01
R-3-61	6	39	23	122	.4	30	12	696	3.75	48	5	ND	3	61	1	2	2	6	2.23	.075	5	3	.78	36	.01	13	.27	.02	.19	1	.02
R-3-62	6	39	23	130	.2	25	11	528	3.29	42	5	ND	2	91	1	2	2	5	2.10	.076	6	3	.42	41	.01	4	.31	.02	.21	1	.01
R-3-63	10	47	32	151	.2	16	7	331	2.92	55	5	ND	2	69	1	7	4	4	1.24	.041	6	2	.30	46	.01	4	.29	.02	.20	1	.02
R-3-64	9	40	22	131	.2	17	8	580	3.56	59	5	ND	3	83	1	8	2	5	2.55	.071	5	1	.50	36	.01	7	.32	.02	.22	1	.02
R-3-65	9	46	25	169	.1	17	7	555	3.28	72	5	ND	2	104	1	7	2	5	2.59	.043	4	2	.68	34	.01	4	.30	.02	.20	1	.02
R-3-66	7	40	17	122	.1	15	8	535	3.26	77	5	ND	3	102	1	2	2	7	2.55	.067	6	1	.63	52	.01	11	.30	.02	.21	1	.03
R-3-67	3	31	12	86	.1	17	11	785	3.19	56	5	ND	3	156	1	2	2	7	4.08	.080	6	2	1.20	59	.01	6	.32	.02	.21	1	.01
R-3-68	2	28	5	88	.2	9	10	1271	4.55	28	5	ND	2	111	1	2	2	7	4.54	.081	5	1	1.47	44	.01	2	.28	.01	.16	1	.01
R-3-69	9	52	27	180	.1	21	9	442	4.00	52	5	ND	1	85	1	3	2	5	2.10	.067	3	3	.42	21	.01	4	.31	.02	.20	1	.07
R-3-70	7	42	18	120	.1	22	10	643	3.74	50	5	ND	2	105	1	2	2	5	3.09	.076	5	2	.64	34	.01	9	.27	.02	.18	1	.23
R-3-71	7	35	24	137	.4	16	8	528	2.93	48	5	ND	3	76	1	2	2	4	2.55	.061	6	1	.54	44	.01	10	.28	.02	.19	1	.03
R-3-72	6	11	11	76	.4	9	4	589	1.61	22	5	ND	2	105	1	2	2	2	3.42	.052	7	2	.29	57	.01	4	.27	.01	.17	1	.02
R-3-73	5	3	7	62	.2	7	3	385	1.09	18	5	ND	3	89	1	2	2	1	2.14	.049	9	2	.09	56	.01	6	.27	.01	.17	1	.02
R-3-74	6	40	15	133	.2	19	9	579	3.15	36	5	ND	2	132	1	2	2	6	3.03	.078	6	2	.69	47	.01	5	.32	.02	.20	1	.17
R-3-75	7	61	16	153	.2	21	11	513	4.09	35	5	ND	1	93	1	2	2	17	2.37	.092	7	6	1.23	61	.01	4	.34	.02	.19	1	.02
STD C	18	57	39	132	6.6	67	30	1026	3.86	42	17	6	36	47	18	14	21	57	.45	.096	35	55	.90	174	.06	34	1.86	.06	.14	13	-