

861159

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: SHEAR 1K

Area:

Geol.:
Lab Project No.:D RAWLEK
P1578Date Received: SEPT 25, 1991
Date Completed: SEPT 27, 1991

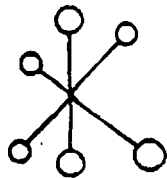
Page 1 of 1

Attn: D RAWLEK
B FOWLER
E KIMURA
R HODGSONRemarks:
Au - 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB)

ICP - 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.

N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
SH-000	<5	0.2	2.19	15	254	<1	<2	0.51	0.3	20	39	185	4.44	0.07	6	0.75	588	<1	0.02	22	0.08	12	<5	65	0.11	99	<10	196
SH-025	120	0.2	2.19	8	186	<1	<2	0.54	0.3	16	38	249	3.98	0.11	5	0.70	625	<1	0.02	23	0.10	13	<5	38	0.08	85	<10	179
SH-050	<5	0.1	1.96	<5	135	<1	<2	0.41	1.9	10	32	93	2.74	0.08	5	0.42	430	2	0.02	19	0.04	11	<5	25	0.08	52	<10	167
SH-075	<5	0.3	1.70	<5	200	<1	<2	0.49	0.2	20	31	207	3.90	0.07	5	0.49	1053	1	0.02	16	0.14	8	<5	36	0.08	76	<10	111
SH-100	<5	<0.1	2.27	<5	191	<1	<2	0.41	<0.1	16	37	136	3.73	0.06	4	0.57	530	<1	0.02	19	0.08	8	<5	30	0.10	76	<10	84
SH-125	20	0.3	2.74	26	187	<1	<2	0.71	0.1	32	93	389	5.99	0.13	9	1.39	879	2	0.02	59	0.07	12	<5	35	0.12	113	<10	88
SH-130	35	0.2	2.61	23	181	<1	<2	0.72	0.5	33	89	383	5.80	0.13	9	1.31	896	2	0.02	56	0.07	12	<5	36	0.11	107	<10	87
SH-150	10	0.2	2.30	6	231	<1	<2	0.58	0.1	21	39	182	3.78	0.10	6	0.55	1091	<1	0.02	23	0.09	8	<5	42	0.08	63	<10	90
SH-175	<5	0.1	1.60	<5	185	<1	<2	0.31	<0.1	11	42	177	2.56	0.04	2	0.42	684	<1	0.02	22	0.13	6	<5	25	0.08	48	<10	78
SH-175*	20	0.2	1.60	<5	175	<1	<2	0.31	0.4	12	42	179	2.55	0.04	2	0.42	677	<1	0.02	22	0.13	5	<5	25	0.08	47	<10	79
SH-200	<5	0.2	2.49	<5	284	<1	2	0.32	<0.1	16	36	133	3.52	0.12	7	0.47	286	2	0.02	22	0.15	14	9	33	0.10	64	<10	74
SH-225	<5	<0.1	1.52	<5	283	<1	<2	0.29	0.2	10	25	147	2.20	0.06	6	0.34	1074	2	0.02	13	0.17	8	6	26	0.08	42	<10	96
SH-250	80	0.1	1.63	<5	301	<1	<2	0.48	0.2	14	38	183	2.99	0.07	5	0.52	940	1	0.02	18	0.11	9	<5	39	0.08	63	<10	72
SH-275	<5	0.1	1.54	<5	165	<1	<2	0.32	<0.1	8	29	59	2.23	0.05	5	0.35	435	<1	0.02	13	0.08	6	<5	24	0.08	49	<10	68
SH-300	<5	0.3	1.52	<5	197	<1	<2	0.41	0.1	9	31	83	2.19	0.05	5	0.40	991	3	0.02	15	0.09	8	<5	27	0.07	47	<10	79
SH-325	<5	0.2	1.85	<5	262	<1	<2	0.46	0.4	10	35	153	2.44	0.08	7	0.49	715	2	0.02	17	0.12	11	<5	29	0.06	45	<10	79
SH-330	<5	0.1	1.89	<5	264	<1	<2	0.46	0.3	10	35	151	2.42	0.08	7	0.48	758	1	0.02	17	0.12	11	<5	29	0.06	45	<10	75
SH-350	60	0.3	2.18	<5	247	<1	<2	0.61	0.3	13	31	341	3.53	0.13	8	0.47	583	2	0.02	14	0.11	10	<5	45	0.07	60	<10	55
SH-375	75	0.6	2.11	5	322	<1	5	0.69	0.4	17	36	579	4.63	0.18	13	0.58	836	<1	0.01	15	0.08	14	<5	35	0.06	76	<10	66
SH-375*	85	0.5	2.10	7	315	<1	6	0.69	0.4	17	35	585	4.56	0.19	14	0.58	844	<1	0.01	16	0.09	15	5	35	0.06	74	<10	65
SH-400	<5	0.1	2.18	<5	339	<1	4	0.60	0.6	9	26	112	2.34	0.07	10	0.33	966	<1	0.02	11	0.20	12	<5	34	0.06	45	<10	96
SH-425	10	0.2	2.15	14	331	<1	6	0.71	0.2	20	29	245	4.82	0.12	11	0.54	902	1	0.02	15	0.09	11	<5	32	0.04	73	<10	93
SH-450	35	0.4	1.44	18	255	<1	6	0.82	0.2	20	33	291	5.71	0.08	11	0.59	811	<1	0.01	15	0.09	11	<5	28	0.04	88	<10	66
SH-475	5	0.4	2.11	<5	366	<1	3	0.67	0.4	14	28	142	3.25	0.13	10	0.37	1247	<1	0.02	12	0.11	10	<5	37	0.06	59	<10	78
SH-500	<5	0.3	2.03	<5	322	<1	<2	0.67	0.2	11	29	142	2.82	0.07	9	0.37	1022	<1	0.02	13	0.13	9	<5	39	0.06	55	<10	82
STD-AUB-P1	255	0.3	1.02	21	205	<1	<2	0.84	0.4	6	116	24	2.09	0.35	9	0.81	556	48	0.07	31	0.08	52	6	86	0.10	34	<10	144



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
 10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (804) 873-8700 Fax 873-4667

S hear.

SEPTEMBER 3, 1991

CERTIFICATE OF ASSAY ETK 91-683

Placer Dome Inc.
 401, 1450 Pearson Place
 KAMLOOPS, B.C.
 V1S 1J9

ATTENTION: BRIAN FOWLER/RON WELLS

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DATE RECEIVED:	AUGUST 22, 1991	REJECTS:	STORE
PROJECT:	1K - SP	PULPS:	STORE
NUMBER SAMPLES:	24	NOTE:	> = MORE THAN
TYPE SAMPLES:	ROCK		< = LESS THAN

=====

ET#	Description	Au (ppb)	Cu (ppm)
1-	C2 3351	40	426
2-	C2 3352	70	550
3-	C2 3353	80	546
4-	C2 3354	310	5080
5-	C2 3355	185	2650
6-	C2 3356	45	303
7-	C2 3357	135	4360
8-	C2 3358	110	8150
9-	C2 3359	30	361
10-	C2 3360	65	808
11-	C2 3361	20	472
12-	C2 3362	145	252
13-	C2 3363	25	156
14-	C2 3364	20	1650
15-	C2 3365	320	1800
16-	C2 3366	110	4270
17-	C2 3367	40	762
18-	C2 3368	20	671
19-	C2 3369	45	1380
20-	C2 3370	5	954
21-	C2 3371	25	712
22-	C2 3372	20	1610
23-	C2 3373	80	1110
24-	C2 3374	20	487

Frank J. Pezzotti

 ECO-TECH LABORATORIES LTD.
 FRANK J. PEZZOTTI, A. S.C.T.
 B.C. CERTIFIED ASSAYER

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: SHEAR 1K

Geol.: DRAWLEK

Date Received: SEPT 25, 1991

Page 1 of 1

Area:

Lab Project No.: P1578

Date Completed: SEPT 27, 1991

Attn: D RAWLEK

Remarks:

Au - 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB)

ICP - 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.

B FOWLER
E KIMURA
R HODGSON

N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
SH-000	<5	0.2	2.19	15	254	<1	<2	0.51	0.3	20	39	185	4.44	0.07	6	0.75	588	<1	0.02	22	0.08	12	<5	65	0.11	99	<10	196
SH-025	120	0.2	2.19	8	186	<1	<2	0.54	0.3	16	38	249	3.98	0.11	5	0.70	625	<1	0.02	23	0.10	13	<5	38	0.08	85	<10	179
SH-050	<5	0.1	1.96	<5	135	<1	<2	0.41	1.9	10	32	93	2.74	0.08	5	0.42	430	2	0.02	19	0.04	11	<5	25	0.08	52	<10	167
SH-075	<5	0.3	1.70	<5	200	<1	<2	0.49	0.2	20	31	207	3.90	0.07	5	0.49	1053	1	0.02	16	0.14	8	<5	36	0.08	76	<10	111
SH-100	<5	<0.1	2.27	<5	191	<1	<2	0.41	<0.1	16	37	136	3.73	0.06	4	0.57	530	<1	0.02	19	0.08	8	<5	30	0.10	78	<10	84
SH-125	20	0.3	2.74	26	187	<1	<2	0.71	0.1	32	93	389	5.99	0.13	9	1.39	879	2	0.02	59	0.07	12	<5	35	0.12	113	<10	88
SH-130	35	0.2	2.61	23	181	<1	<2	0.72	0.5	33	89	383	5.80	0.13	9	1.31	896	2	0.02	56	0.07	12	<5	36	0.11	107	<10	87
SH-150	10	0.2	2.30	6	231	<1	<2	0.58	0.1	21	39	182	3.78	0.10	6	0.55	1091	<1	0.02	23	0.09	8	<5	42	0.08	63	<10	90
SH-175	<5	0.1	1.60	<5	185	<1	<2	0.31	<0.1	11	42	177	2.56	0.04	2	0.42	684	<1	0.02	22	0.13	6	<5	25	0.08	48	<10	78
SH-175*	20	0.2	1.60	<5	175	<1	<2	0.31	0.4	12	42	179	2.55	0.04	2	0.42	677	<1	0.02	22	0.13	5	<5	25	0.08	47	<10	79
SH-200	<5	0.2	2.49	<5	284	<1	2	0.32	<0.1	16	36	133	3.52	0.12	7	0.47	286	2	0.02	22	0.15	14	9	33	0.10	64	<10	74
SH-225	<5	<0.1	1.52	<5	283	<1	<2	0.29	0.2	10	25	147	2.20	0.06	6	0.34	1074	2	0.02	13	0.17	8	6	26	0.08	42	<10	96
SH-250	80	0.1	1.63	<5	301	<1	<2	0.48	0.2	14	38	183	2.99	0.07	5	0.52	940	1	0.02	18	0.11	9	<5	39	0.08	63	<10	72
SH-275	<5	0.1	1.54	<5	185	<1	<2	0.32	<0.1	8	29	59	2.23	0.05	5	0.35	435	<1	0.02	13	0.08	6	<5	24	0.08	49	<10	68
SH-300	<5	0.3	1.52	<5	197	<1	<2	0.41	0.1	9	31	83	2.19	0.05	5	0.40	991	3	0.02	15	0.09	6	<5	27	0.07	47	<10	79
SH-325	<5	0.2	1.85	<5	262	<1	<2	0.46	0.4	10	35	153	2.44	0.08	7	0.49	715	2	0.02	17	0.12	11	<5	29	0.06	45	<10	79
SH-330	<5	0.1	1.89	<5	264	<1	<2	0.46	0.3	10	35	151	2.42	0.08	7	0.48	758	1	0.02	17	0.12	11	<5	29	0.06	45	<10	75
SH-350	60	0.3	2.18	<5	247	<1	<2	0.61	0.3	13	31	341	3.53	0.13	8	0.47	583	2	0.02	14	0.11	10	<5	45	0.07	60	<10	55
SH-375	75	0.6	2.11	5	322	<1	5	0.69	0.4	17	36	579	4.63	0.18	13	0.58	836	<1	0.01	15	0.08	14	<5	35	0.06	76	<10	66
SH-375*	85	0.5	2.10	7	315	<1	6	0.69	0.4	17	35	585	4.56	0.19	14	0.58	844	<1	0.01	16	0.09	15	5	35	0.06	74	<10	65
SH-400	<5	0.1	2.18	<5	339	<1	4	0.60	0.6	9	26	112	2.34	0.07	10	0.33	966	<1	0.02	11	0.20	12	<5	34	0.06	45	<10	96
SH-425	10	0.2	2.15	14	331	<1	6	0.71	0.2	20	29	245	4.62	0.12	11	0.54	902	1	0.02	15	0.09	11	<5	32	0.04	73	<10	93
SH-450	35	0.4	1.44	18	255	<1	6	0.62	0.2	20	33	291	5.71	0.08	11	0.59	811	<1	0.01	15	0.09	11	<5	28	0.04	88	<10	66
SH-475	6	0.4	2.11	<5	366	<1	3	0.67	0.4	14	28	142	3.25	0.13	10	0.37	1247	<1	0.02	12	0.11	10	<5	37	0.06	59	<10	78
SH-500	<5	0.3	2.03	<5	322	<1	<2	0.67	0.2	11	29	142	2.82	0.07	9	0.37	1022	<1	0.02	13	0.13	9	<5	39	0.06	55	<10	82
STD-AU8-P1	255	0.3	1.02	21	205	<1	<2	0.84	0.4	6	116	24	2.09	0.35	9	0.81	556	48	0.07	31	0.08	52	6	86	0.10	34	<10	144

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: SHEAR / FREDDY 1K

Geol.: B FOWLER

Date Received: SEPT 25, 1991

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Area:

Lab Project No.:

P1579

Date Completed: SEPT 27, 1991

Attn: B FOWLER

Remarks:

Au - 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB)

CP - 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.

N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

E KIMURA
R HODGSON

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
MID-RD-A-HORIZ	45	0.2	2.53	13	180	<1	<2	0.77	0.5	30	35	332	5.27	0.16	7	1.06	873	3	0.02	25	0.08	16	<5	41	0.11	132	<10	62
MID-RD-B-HORIZ	280	0.5	1.81	31	61	<1	<2	0.70	0.6	79	43	1387	8.39	0.12	7	1.83	607	3	0.02	37	0.16	16	7	33	0.13	191	<10	53
MID-RD-C-HORIZ	295	0.1	1.57	29	50	<1	<2	0.85	0.5	64	45	1362	7.98	0.10	7	1.68	733	3	0.02	34	0.17	13	<5	41	0.13	176	<10	50
MID-RD-FECRETE	60	0.3	1.49	57	101	<1	18	0.54	0.8	21	44	242	14.75	0.09	6	0.96	412	5	0.02	26	0.43	22	7	46	0.14	175	<10	72
B-KID-REN-A-H	<5	0.4	1.74	<5	191	<1	<2	0.65	0.4	18	39	204	3.92	0.15	6	0.64	750	1	0.02	25	0.08	11	<5	40	0.10	83	<10	65
B-KID-REN-B-H	20	0.3	1.97	5	159	<1	<2	0.47	0.3	20	56	243	4.96	0.09	7	0.93	355	2	0.02	33	0.06	12	<5	42	0.12	120	<10	57
B-KID-REN-C-H	65	0.2	1.69	23	151	<1	<2	0.53	0.4	27	60	558	7.35	0.06	10	1.16	466	4	0.02	42	0.10	13	<5	43	0.10	139	<10	51
FREDDY-B-SLUDG	25	1.6	0.50	43	46	<1	<2	2.75	8.2	27	24	1064	6.12	0.11	7	1.27	1179	12	0.02	25	0.12	79	<5	104	<0.01	67	42	480
FREDDY-B-SLUDG	25	1.6	0.51	45	49	<1	<2	2.87	6.1	26	23	1049	6.03	0.11	7	1.32	1217	12	0.02	24	0.12	78	<5	109	<0.01	67	44	458
STD-AU8-P1	315	0.3	1.01	21	190	<1	<2	0.86	0.6	7	120	33	2.23	0.37	8	0.88	591	50	0.07	35	0.08	55	<5	81	0.10	37	<10	152

**PLACER DOME RESEARCH CENTRE
Geochemical Analysis**

Project/Venture: SHEAR / FREDDY 1K

Geol.: B FOWLER

Date Received: SEPT 25, 1991

Page 1 of 1

Area:

Lab Project No.: P1580

Date Completed: SEPT 27, 1991

Attn: B FOWLER

Remarks:

Au - 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB)

ICP - 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.

N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

E KIMURA
R HODGSON

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
A9601	<5	0.2	2.36	7	111	<1	3	1.68	0.2	23	61	208	6.04	0.20	10	1.55	678	3	0.12	26	0.15	10	9	67	0.14	189	<10	45
A9601*	<5	0.1	2.24	8	104	<1	3	1.60	<0.1	22	58	195	5.77	0.19	9	1.47	642	2	0.11	25	0.15	8	15	64	0.13	179	<10	42