REPORT ON GEOLOGICAL MAPPING

AND GEOCHEMICAL SAMPLING PROGRAMMES

PROJECT 515 (BLACK LAKE)

SHARRON LAKE AND ZARN LAKE AREA, ONTARIO

NTS: 52J/4

PLACER DOME CANADA LIMITED

MAY 1995

STUART W. DEVEAU

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(in back pocket)

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SUMMARY AND CONCLUSIONS

Examination of the eastern and southern parts of the Black Lake property located five previously known gold (Au) showings; three northeast of Black Lake (the Moretti Occurrence plus two unnamed showings to the northwest of it) and two showings south of Black Lake (the Dragfold Vein and the Bonanza Vein). The area was mapped at a scale of 1:2500 and the old showings were re-stripped, mapped (at scales of 1:100 and 1:500) and sampled in detail. Mineralized and/or highly altered outcrops were sampled and analyzed for 31 elements plus Au. The highest Au values returned were from the old showings (up to 35.2 g/t for the Bonanza Vein).

In conclusion, the 1994 work programme verified the existence of previously known Au showings and delineated an extensive zone of carbonate alteration and deformation (minimum 600m by 2500m). It is on this basis that continued work is warranted on the Black Lake Property (see Recommendation on Page 16).

INTRODUCTION

The Black Lake Property is located 25 kilometres (km) east of the town of Sioux Lookout, Patricia Mining Division, Ontario (Fig. 1). The 21 contiguous claims, consisting of 144 16-hectare claim units, were staked between August 1993 and January 1994. Aerial photography was conducted over the area in the spring of 1994. During July and August of 1994, approximately 80 km of line were cut (including a seven km baseline) on the eastern part of the property. The baseline is oriented at 060° and the lines at 150°. Between August 16 and September 13, 1994, an exploration programme under the direction of Reginald P. Seyler (P.O. Box 158, Balmertown, Ontario, P0V 1C0) was conducted on the property consisting of prospecting, geological mapping and sampling (both lithogeochemical and soil geochemical). Previously trenched and stripped areas were located, mapped, and sampled in detail. A limited geochemical soil sampling programme was conducted in selected areas to determine whether or not such surveys would prove valuable in detecting new Au showings or mineralization/alteration trends.

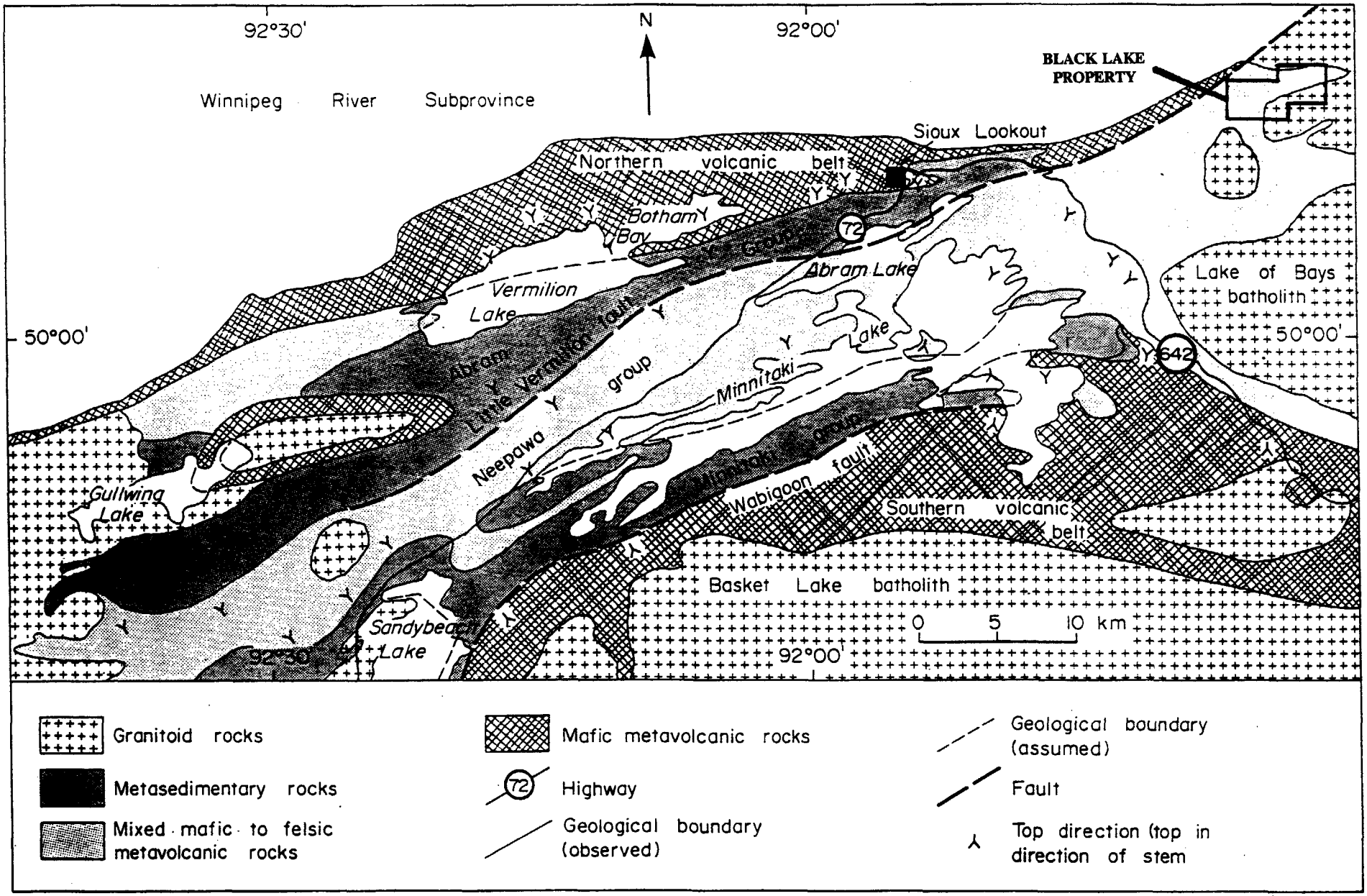


Figure 1: Location Map (after Blackburn *et al.*, 1991)

PROPERTY

The Black Lake Property currently consists of 21 contiguous claims totalling 144 16-hectare claim units in the Sharron Lake and Zarn Lake area, Patricia Mining Division (Fig. 2). The registered holder of the mining claims is Placer Dome Canada Limited, P.O. Box 350, Suite 2422, Royal Trust Tower, Toronto Dominion Centre, 77 King Street West, Toronto, Ontario, M5K 1N3. One patented claim not held by Placer Dome Canada Limited (Pa 350899) lies within the group of claims. Table 1 lists the Black Lake claims, the number of claim units in each claim, and the expiry dates.

TABLE 1

Black Lake Property Claims

Claim Number	No. of Claim Units	Expiry Date
1162704	16	06/07/1995
1162705	3	06/07/1995
1162706	1	06/07/1995
1162707	1	06/07/1995
1162708	3	06/07/1995
1162727	12	09/09/1995
1162728	4	09/09/1995
1162729	1	09/09/1995
1162730	6	09/09/1995
1162731	15	09/09/1995
1162732	8	09/09/1995
1162733	3	09/09/1995
1162734	2	09/09/1995
1196597	4	06/07/1995
1196598	1	06/07/1995
1196599	6	06/07/1995
1202140	4	01/24/1996
1202141	14	01/24/1996
1202142	15	01/24/1996
1202143	15	01/24/1996
1202144	10	01/24/1996

LOCATION AND ACCESS

The Black Lake property is located approximately 25 km east of the town of Sioux Lookout, Ontario between latitudes 50°07'25" and 50°09'55" and longitudes 91°31'55" and 91°40'00". Road access extends to within 15 km of the property, with the Canadian National Railway passing through the western part of the property (Fig. 2). The easiest access is by float plane to either Black Lake or Marchington Lake.

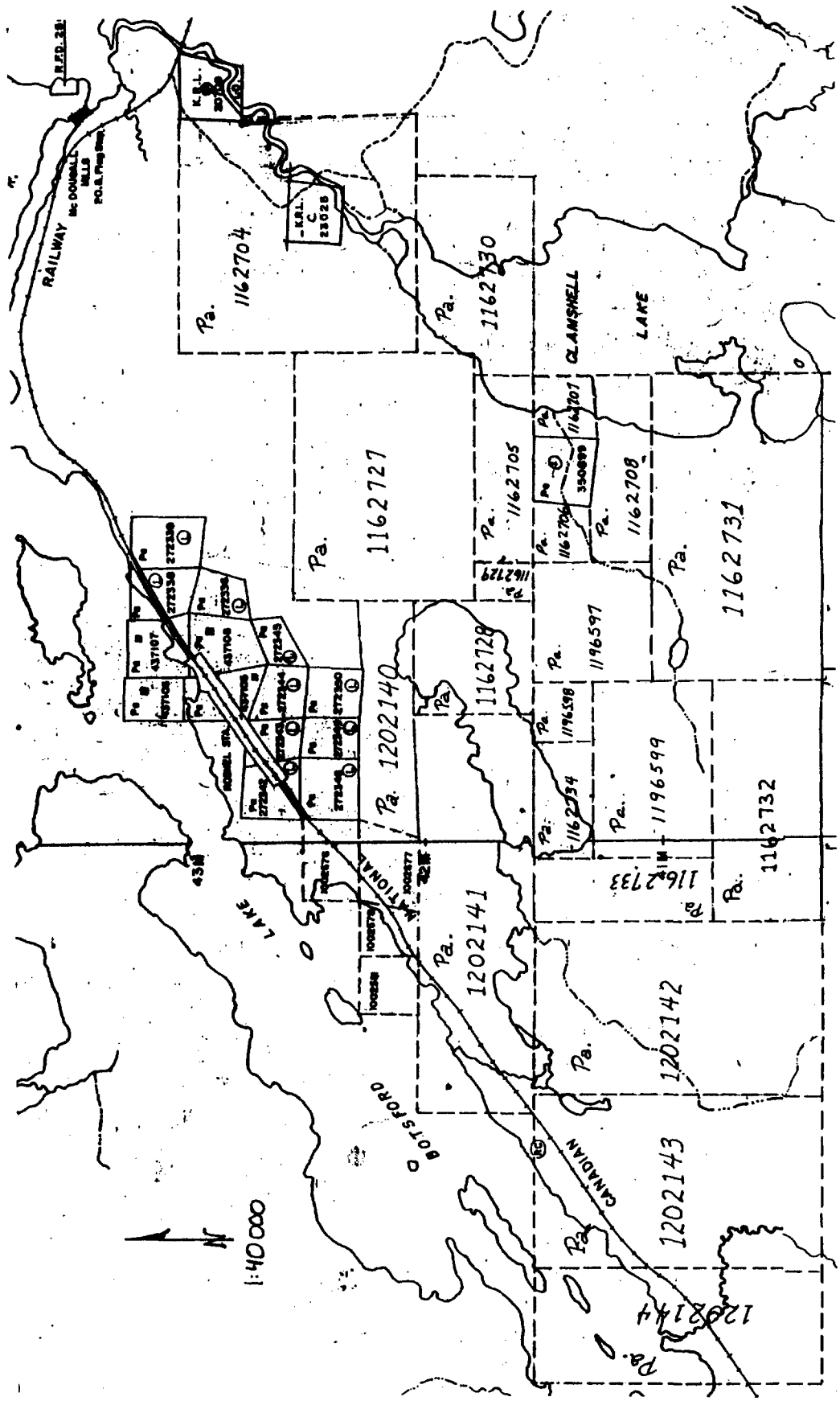


Figure 2: Claim Map

PREVIOUS WORK

Some of the earliest recorded work in the area dates back to 1938. Work completed by Prospector's Airways included stripping, trenching and sampling on the Moretti Occurrence (known then as the No. 1 Vein or Main Break). In 1941, Coniagas Mines Limited conducted diamond drilling and bulk sampling along the Moretti Occurrence; average values returned were 23.31 g/t Au (0.68 oz/ton) over 0.88m (2.9 ft) with a strike length of 30m (100 ft) (Hutchison, 1941). In 1950 and 1951, Floregold Red Lake Mines Limited conducted diamond drilling and bulk sampling along the Moretti Occurrence; low Au values were returned from drilling, but bulk sampling gave Au values up to 18.51 g/t Au (0.54 oz/ton) over a length of 8.8m (29 ft) (McCombe, 1951). McCombe (1951) also mentions high Au values to the southwest (just south of Black Lake; Dragfold and Bonanza Veins).

In 1963, Bankfield Consolidated Mines Limited examined the area southeast of Black Lake and noted four showings, one of which is now known as the Dragfold Vein (Holbrooke, 1963). Also in 1963, Consolidated Belekeno Mines Limited discovered a showing to the east of Black Lake (then on claim #Pa 32354; see map in Bayne, 1963, for location). The showing reportedly returned a Au assay of 624 g/t (18.2 oz/ton) from a quartz vein in rhyolite.

In 1987, Preston Resources Limited conducted a ground geophysical programme in the area of the Moretti Occurrence to test for en echelon zones to the southeast and any extensions of the known Au-bearing veins (McCance, 1987). Their results indicated the possibility of a quartz-rich zone southwest of the Moretti Occurrence, and that the shear zone which hosts the Moretti Occurrence extends for more than 600m to the northeast. In 1988, Villeneuve Resources Limited conducted a geochemical soil sampling survey west and north of Black Lake, the results of which outlined several small auriferous zones (Sieb, 1988).

In 1990, Cream Silver Mines Limited conducted a programme of geological mapping, soil geochemistry and rock sampling in the vicinity of the Dragfold and Bonanza Veins, examining a shear zone extending west of the Dragfold Vein (known as the Pond deformation zone; Hood, 1990). Two anomalies were located west of the Dragfold Vein indicating the possibility of undiscovered Au-bearing systems (Hood, 1990).

GENERAL GEOLOGY

The Black Lake Property is situated at the northeastern end of the northeasterly trending Abram-Minnitaki Greenstone Belt within the Wabigoon Subprovince of the Archean Superior Province of the Canadian Shield (Fig. 1). The property is part of the Neepawa Group which is composed of mafic to felsic metavolcanic rocks (Blackburn *et al.*, 1991) and lies southeast of a major shear zone known as the Minniss River Fault. Lithologies underlying

the area are predominantly mafic, with lesser amounts of felsic volcanics, granitic and dioritic intrusions (Fig. 3).

PROPERTY GEOLOGY

The area mapped during 1994 (Fig. 4) is underlain predominantly by mafic volcanic rocks (flows) with lesser amounts of felsic volcanic rocks (flows, tuff and sericite schist), mafic to intermediate intrusives (gabbro and diorite) and felsic to intermediate intrusives (granodiorite). Table 2 lists the rock types that occur on the Black Lake property and Drawing 1 shows their distribution. Lithologies trend at approximately 060° paralleling a regional fault structure, while conjugate structures are present trending at approximately 080° to 110° (Dwg. 1). Shearing varies from 030° to 060° in the northeastern part of the area which is underlain primarily by diorite and at 100° to 120° in the southwestern part of the map area where mafic and felsic volcanics predominate. This shearing may be associated with the Minniss River Fault System to the northwest.

TABLE 2

Rock Types

Rock Code		Rock Type
3	-	MAFIC TO INTERMEDIATE METAVOLCANICS 3a - Mafic Flow
5	-	FELSIC METAVOLCANICS 5a - Felsic Flow 5b - Felsic Tuff 5f - Sericite Schist
10	-	MAFIC TO INTERMEDIATE INTRUSIVES 10a - Gabbro 10b - Diorite
11	-	FELSIC TO INTERMEDIATE INTRUSIVES 11c - Granodiorite

A 600m wide zone of carbonate alteration and shearing, with quartz-carbonate veins and stockworks has been reported trending at 100 degrees. Carbonate alteration is pervasive and ankeritic in nature. Gold mineralization at the previous showings is associated with quartz $\pm$ carbonate veining. Sulphide mineralization consists of galena, chalcopyrite and pyrite (with minor sphalerite and cuprite) in the veining and generally less than 1% in the volcanics.

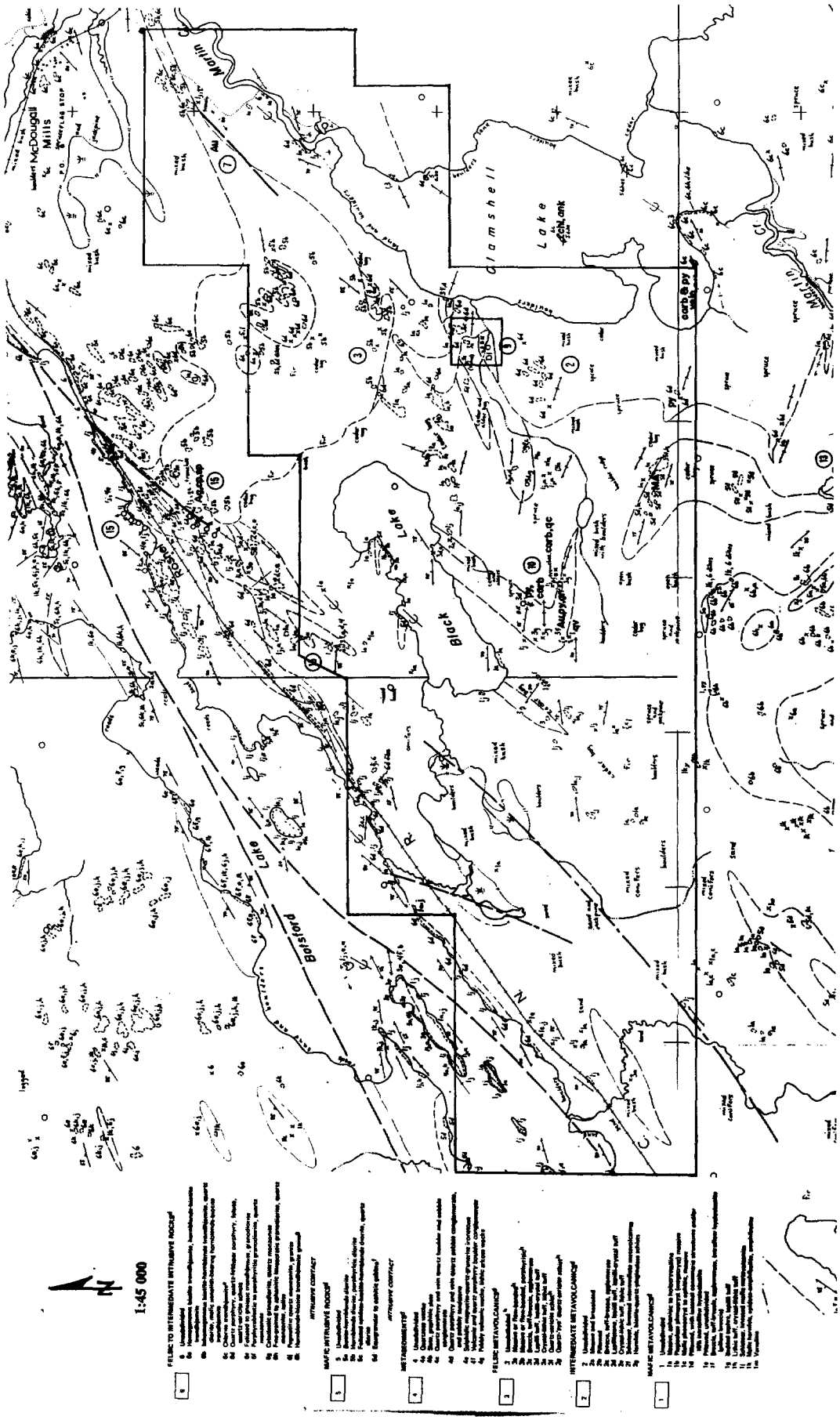


Figure 3: General Geology Map (after Page and Moller, 1979)

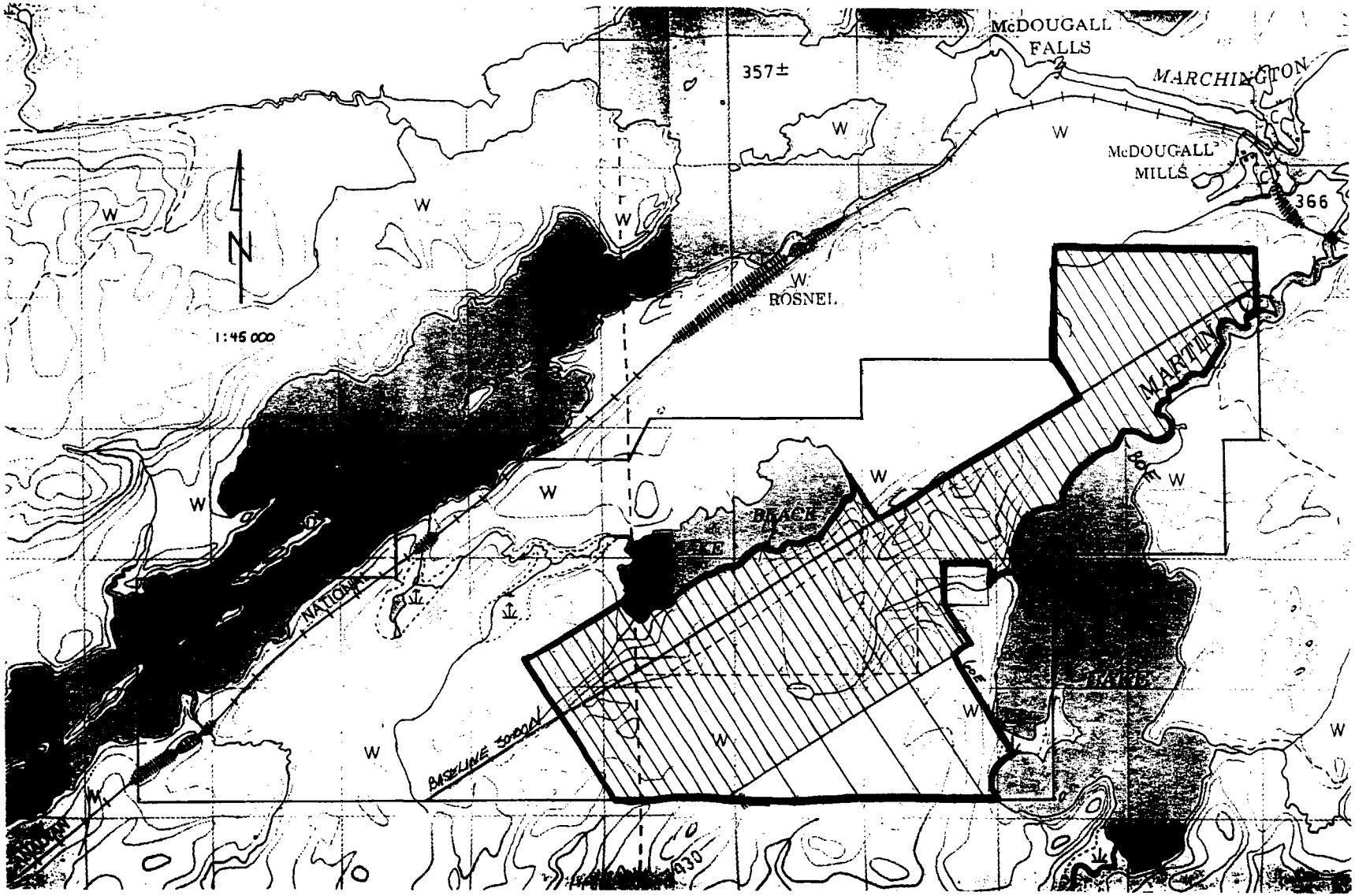


Figure 4: Area of 1994 Work Programme

There are two styles of quartz veining: 1) veining trending roughly parallel to the general lithological trend and regional fault structure at approximately 060° (Moretti Occurrence in northeastern part of the property); and 2) cross-cutting veining (shear parallel) trending at approximately 100°, south of Black Lake around the Dragfold Vein.

MINERALIZATION

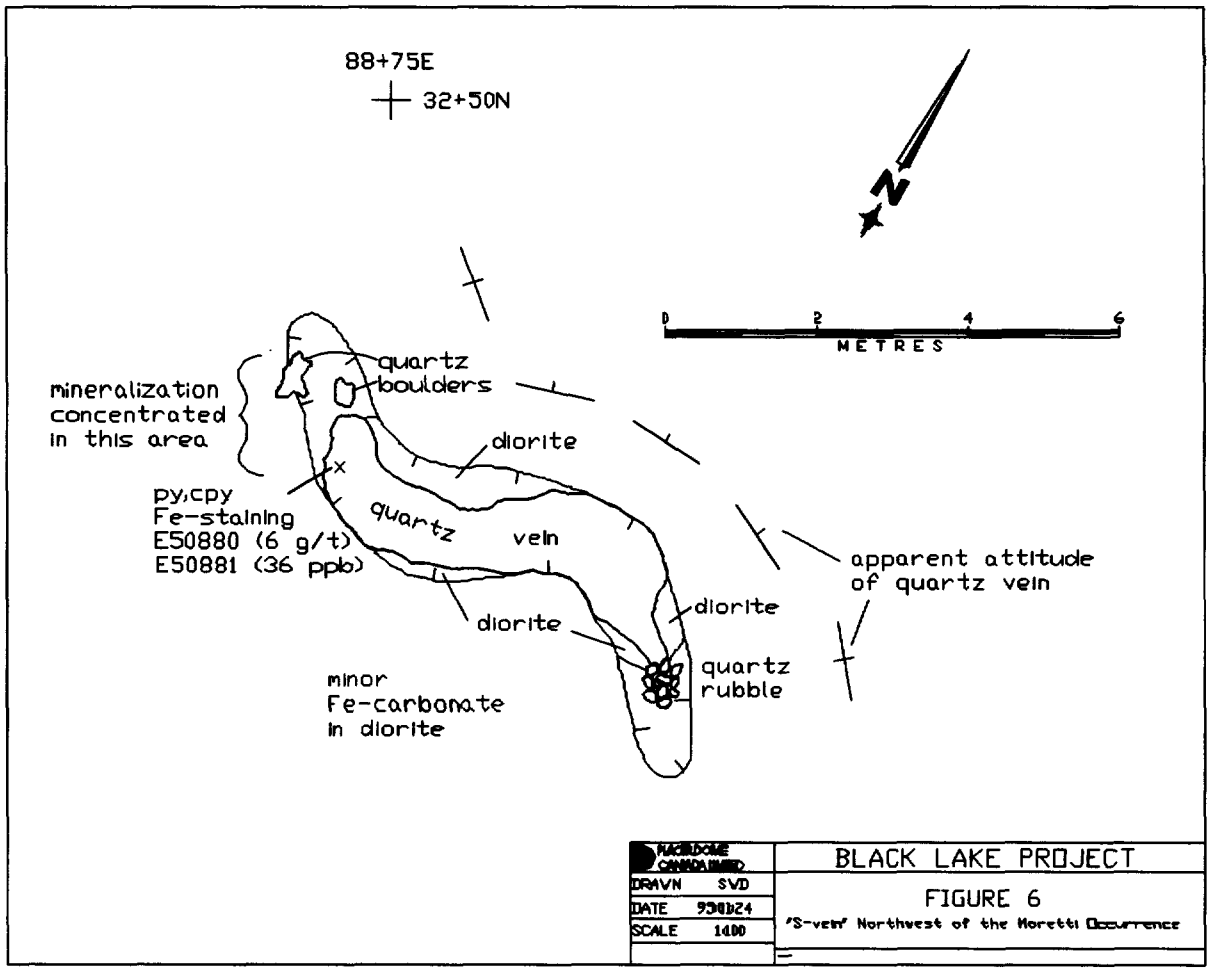
Gold mineralization on the Black Lake Property is typically associated with quartz veining and with sulphide mineralization in the carbonate altered zone. The dominant sulphide mineral is pyrite which is generally disseminated in amounts less than 5%, but has been reported in higher concentrations (i.e. Bonanza Vein). Other sulphide minerals include chalcopyrite, arsenopyrite, galena, pyrrhotite and sphalerite. At one locality (L68+80E/26+50N), cuprite and native copper were found within a quartz vein along with pyrite and chalcopyrite.

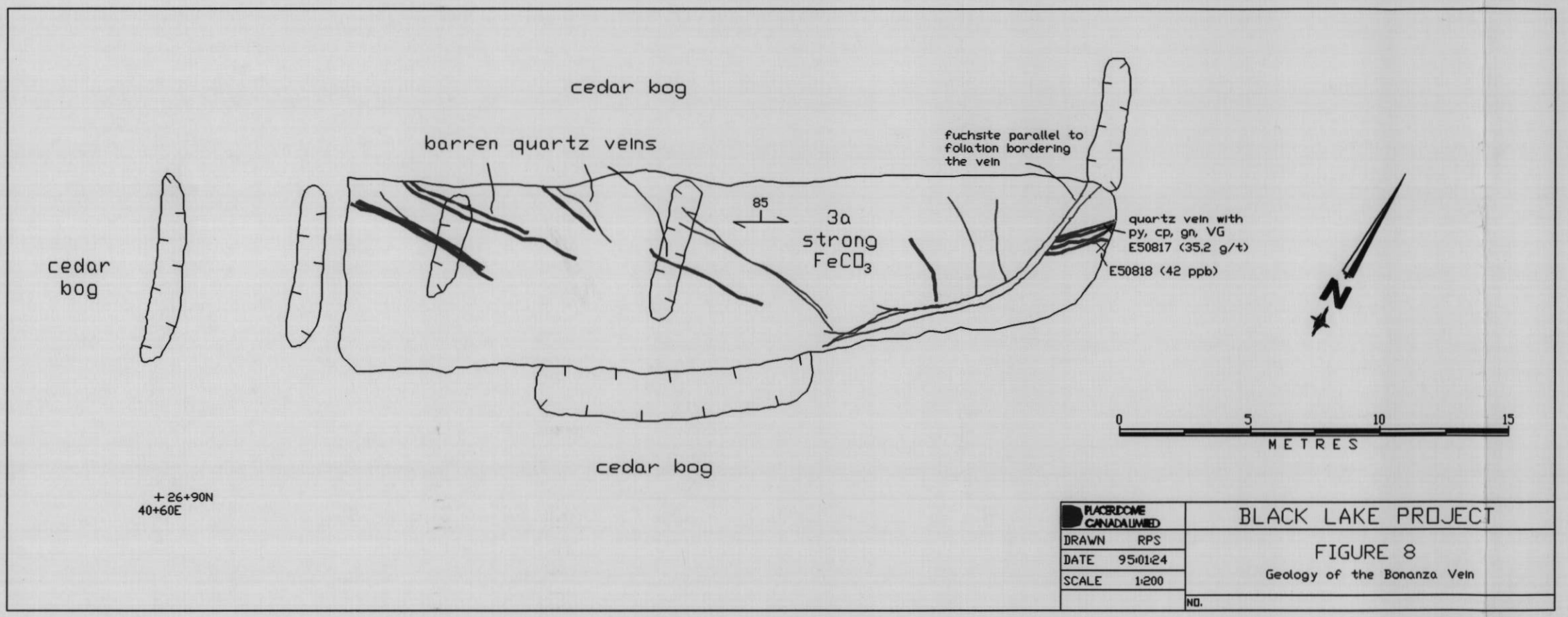
Moretti Occurrence

The Moretti Occurrence is located in the northeastern part of the property (Dwg. 1) between L87+05E/31+30N and L89+00E/31+70N. The main showing is a narrow quartz vein system, hosted by sheared and altered diorite, the veining strikes at 040° to 055° with a steep to moderate dip to the northwest, approximately parallel to the foliation in the area (Dwg. 2). The vein varies from a few centimetres to one metre in width, and is nearly continuous over a strike length of 170m. Quartz also occurs sporadically up to 300m along strike to the northeast (Dwg. 1). Sulphides are scarce in this occurrence; pyrite and galena occur in the quartz vein at one location at the northeast end of the east trench (Dwg. 2). The highest Au value returned from this area, 11.8 g/t, was a chip sample over 0.5m from a quartz vein at the northeast end of the west trench (sample E58441, Dwg. 2) which appears to be devoid of sulphide mineralization, but contains extensive iron carbonate alteration.

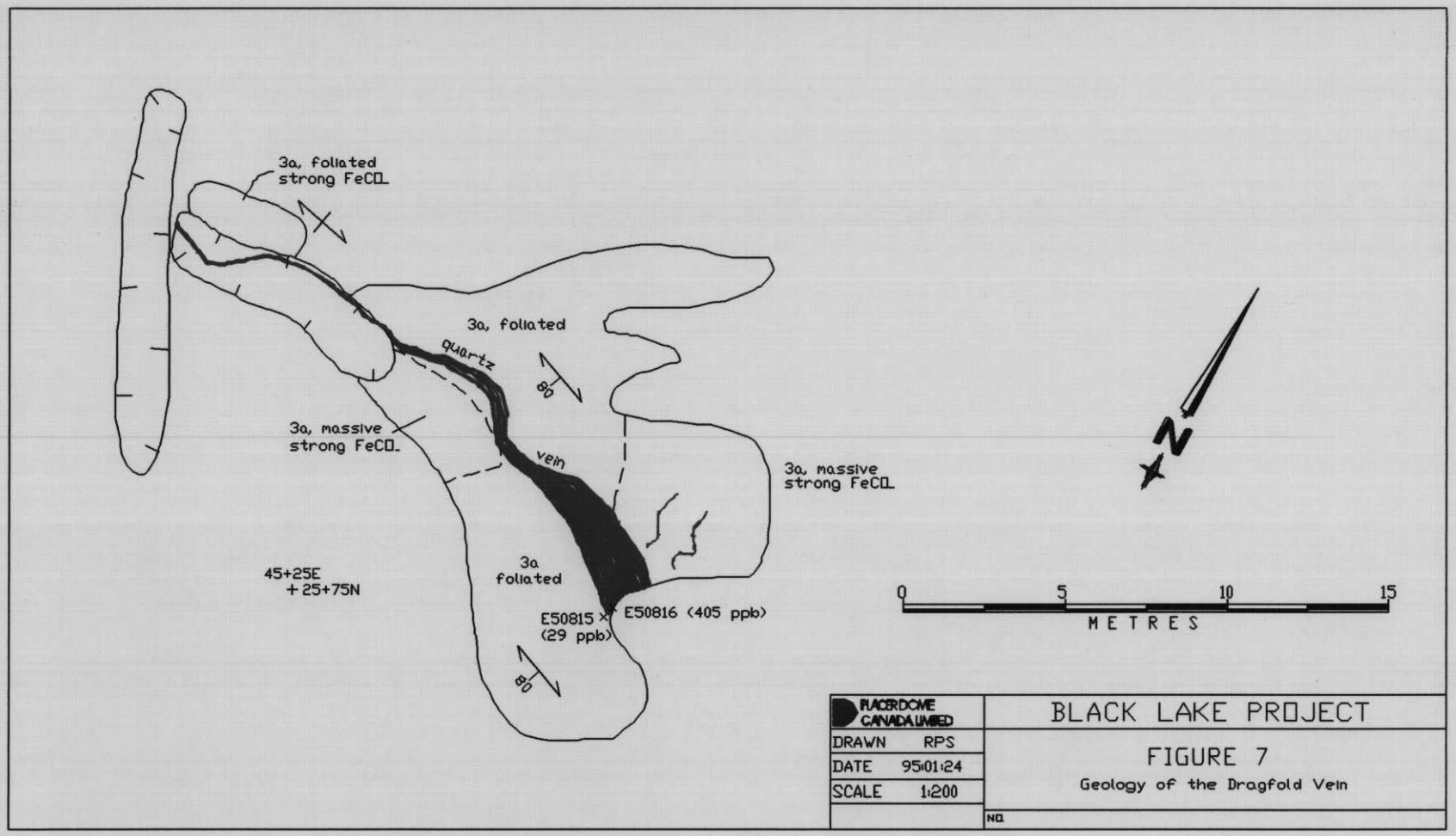
Two other trenched areas are located northwest of the Moretti Occurrence on top of a ridge of sheared and altered diorite (Dwg. 1). The first of these is found 15m west of L89E at 32+15N and consists of a stockwork of quartz veins (0.5-10 cm in width) with an azimuth of 045° in sheared and altered diorite (Fig. 5). The second area is located 25m west of L89E at 32+45N (Fig. 6). It consists of a 1m wide quartz vein or lens approximately 5m in strike length with an overall 'S' shape (Fig. 6). Pyrite and chalcopyrite occur at the western end of the vein.

Assay results (given in brackets after sample numbers in Figs. 5 and 6) from these areas indicate that Au is concentrated in the quartz veins (up to 18.7 g/t in the stockwork of quartz veins northwest of the Moretti Occurrence). Samples of the host rock (sheared and altered diorite) yielded low Au values (generally <10 ppb) with the exception of one sample (E50874) which assayed 210 ppb Au (Fig. 5).


88+75E
32+50N
N
0
2
4
6
METRES
mineralization
concentrated
in this area
quartz
boulders
diorite
py,cpy
Fe-staining
E50880 (6 g/t)
E50881 (36 ppb)
quartz
vein
diorite
diorite
minor
Fe-carbonate
in diorite
apparent attitude
of quartz vein
quartz
rubble
MACKENZIE
DRAWN SVD
DATE 930824
SCALE 1:100
BLACK LAKE PROJECT
FIGURE 6
'S-vein' Northwest of the Moretti Occurrence



PLACERDOME CANADA LIMITED	BLACK LAKE PROJECT
DRAWN RPS	FIGURE 8
DATE 95\01\24	Geology of the Bonanza Vein
SCALE 1:200	
	NO.


3a, foliated
strong FeCO3
3a, foliated
quartz
80
3a, massive
strong FeCO3
vein
3a, massive
strong FeCO3
45+25E
+25+75N
3a
foliated
E50815
(29 ppb)
E50816 (405 ppb)
80
N
0
5
10
15
METRES
PLACER DOME CANADA LIMITED
BLACK LAKE PROJECT
DRAWN RPS
DATE 95:01:24
SCALE 1:200
FIGURE 7
Geology of the Dragfold Vein
NO.

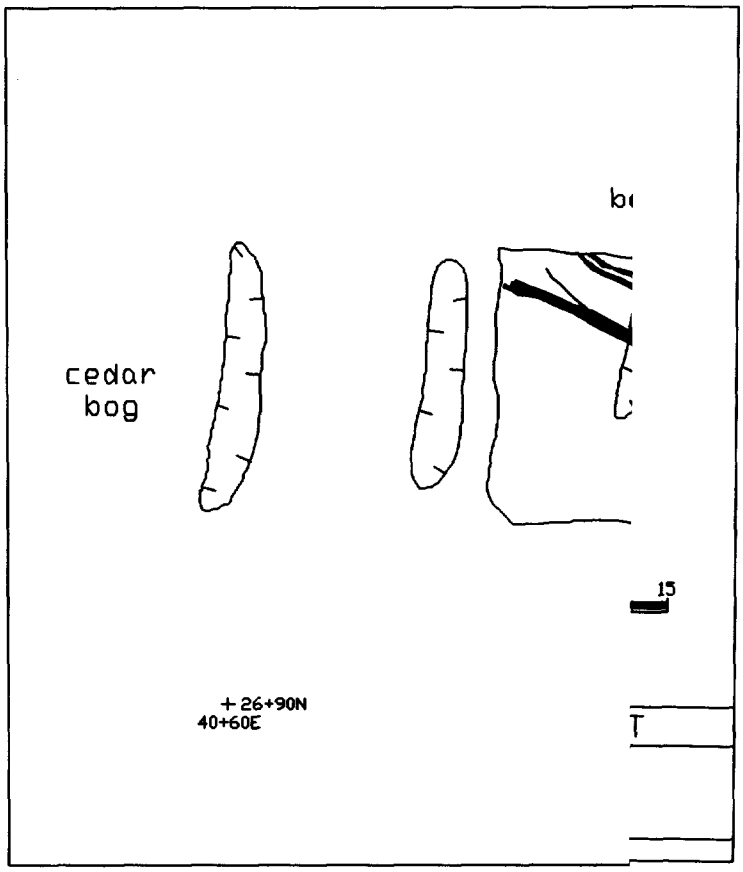

cedar
bog
15
+26+90N
40+60E

TABLE 3 (cont'd)

Sample No.	Sample Type	Location	Rock Code	Au ppb*
Dragfold Vein				
E50816	grab	45+35E/25+75N	qtz	405
Bonanza Vein				
E50817	grab	41+00E/27+00N	qtz	35.2 g/t

*Unless otherwise noted.

RECOMMENDATION

Based on the 1994 work completed on the eastern side of the property, the presence of a minimum of two widely spaced Au mineralizing systems have been identified (Moretti Occurrence and southern showings (Dragfold and Bonanza Veins)). Work in 1995 will be directed towards gaining a better understanding of these systems. In addition the western side of the property will be line cut at 100m spacing, with geological mapping, soil geochemistry, and mechanical stripping/trenching (where warranted) completed.

REFERENCES:

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Preliminary report of gold discoveries on Phillips Mining Claims, Sharron Lake Area, Patricia Mining Division, District of Kenora, Ontario, Canada

BLACKBURN, C.E., JOHNS, G.W., AYER, J. AND DAVIS, D.W., 1991:
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HOOD, W.C., NOVEMBER 23, 1990:
Report on geochemical mapping, humus geochemistry and sampling on Black Lake Gold Property, Sioux Lookout area, Northwestern Ontario

HUTCHISON, R.H., AUGUST 6, 1941:
Report on bulk sampling of Ghost River Syndicate Group, McDougall Mills, Ontario

MCCANCE, J.A., NOVEMBER 9, 1987:
Preston Resources Limited, Moretti Gold Prospect, Sharron Lake Area, Patricia Mining Division, Ontario

MCCOMBE, R., JUNE 21, 1951:
Report on the property of Floregold Red Lake Mines Limited, McDougall Mills, Ontario

PAGE, R.O. AND MOLLER, E.B., 1979:
Zarn Lake Area (Northern Part), District of Kenora; Ontario Geological Survey Preliminary Map P.2232, Geological Series. Scale 1:15 840 or 1 inch to ¼ mile. Geology 1978.

SIEB, M., DECEMBER, 1988:
Geochemical report, soil sampling, Rosnel Property, Sioux Lookout

CERTIFICATE OF QUALIFICATIONS

I HEREBY STATE THAT:

1. I currently reside at 33 Goldshore Road, Red Lake, Ontario.

2. I am employed as a Contract Geological Assistant/Technician with Placer Dome Canada Limited, in Balmertown, Ontario.

3. I possess a Master of Science Degree in Geology from Memorial University of Newfoundland, where I graduated in 1992, and have practised in my profession since 1993.

4. I am a member of the local branch of the Canadian Institute of Mining and Metallurgy, and the Geological Association of Canada.

5. This report is based upon published and unpublished sources of information, and field work conducted during 1994.

6. To the best of my knowledge, all of the information contained with this report is factual and true.

7. At no time, have I received or expect to receive any interest, directly or indirectly in the property.

Dated at Balmertown, Ontario, Canada this 24th day of May, 1995.

Stuart W. Deveau, B.Sc., M.Sc.

APPENDIX I

Assay Analyses From Rock Geochemistry

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: 515E | Submitted by: R SEYLER | Sample Type: ROCK | Date Received: SEPT 9, 1994 | Page 1 of 3
Area: BLACK LAKE | Lab Project No.: D4296 | NTS: 52J4E | Date Completed: SEPT 23, 1994 | Attn: R SEYLER, E KIMURA
Remarks: SAMPLES E50817 AND E58441 HAVE BEEN FIRE ASSAYED FOR AU, RESULTS IN G/T
Au – 10.0 g sample digested with Aqua Regia and determined by Graphite Furnace A.A. (D.L. 1 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, Ba, Be, Cr, La and W are rarely dissolved completely with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Cd ppm	Ni ppm	Co ppm	Mn ppm	Bi ppm	Cr ppm	V ppm	Ba ppm	W ppm	Be ppm	La ppm	Sr ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
E50809	2	0.1	14	18	10	40	<5	<5	<0.1	30	8	356	<2	244	24	8	<5	<0.1	2	26	0.07	1.30	0.41	3.15	0.79	<0.01	0.02	0.02
E50810	3	0.1	14	8	5	17	<5	<5	0.1	9	1	191	<2	261	5	14	<5	<0.1	3	6	<0.01	0.16	0.09	0.96	0.05	0.03	0.03	0.03
E50811	18	0.2	5	41	15	86	<5	<5	0.1	17	19	1314	<2	54	35	50	<5	0.2	10	36	0.03	1.53	1.53	6.49	0.74	0.09	0.05	0.27
E50812	4	0.1	15	9	6	22	6	<5	0.2	24	6	474	<2	230	12	3	<5	<0.1	5	73	<0.01	0.40	2.55	2.37	1.05	0.02	0.01	0.01
E50813	30	0.2	3	9	20	77	<5	6	0.2	132	67	613	5	92	40	27	<5	0.3	6	76	<0.01	3.38	2.83	6.36	2.10	0.18	0.06	0.06
E50814	390	1.6	13	156	50	45	7	<5	0.3	122	14	531	5	224	35	6	<5	0.2	5	261	<0.01	1.09	3.50	2.82	2.92	0.02	0.02	0.01
E50815	29	0.3	3	128	33	146	56	12	0.7	511	62	1559	12	827	139	21	<5	0.5	7	241	<0.01	2.33	3.83	7.44	6.49	0.01	0.02	0.05
E50816	405	14.0	13	732	5000	649	22	14	27.0	91	12	563	6	306	36	3	<5	0.2	2	103	<0.01	0.73	2.42	2.68	1.82	<0.01	0.02	0.02
Au g/t E50817	35.2	28.0	12	671	3700	710	64	19	8.6	29	5	117	<2	235	4	3	<5	<0.1	<1	26	<0.01	0.05	0.66	1.37	0.33	0.01	0.01	<0.01
DUP E50817	30.6	22.0	14	689	3700	718	64	20	8.4	29	5	129	<2	238	4	3	<5	<0.1	<1	28	<0.01	0.05	0.67	1.41	0.33	0.01	0.01	<0.01
E50818	42	0.3	4	180	59	129	93	12	0.6	869	71	1696	12	892	87	16	13	0.6	9	218	<0.01	1.54	7.61	7.64	5.69	0.03	0.01	0.05
E50819	22	0.6	5	358	54	131	795	<5	0.3	869	103	1051	5	2010	165	30	13	0.3	8	22	<0.01	3.27	1.13	8.04	1.66	0.06	0.01	0.05
E50820	10	0.2	12	95	14	12	25	<5	<0.1	177	8	241	<2	285	6	6	<5	<0.1	2	9	<0.01	0.06	0.36	1.21	0.13	0.02	<0.01	<0.01
E50821	2	0.1	3	84	30	43	372	11	0.3	493	53	1280	7	140	26	47	8	0.4	9	322	<0.01	0.19	9.95	5.95	3.76	0.08	0.02	0.03
E50822	6	0.6	4	562	44	151	<5	13	0.5	944	52	1306	14	339	178	20	13	0.3	6	23	0.11	6.27	0.66	9.04	6.99	0.01	<0.01	0.07
E50823	3	0.1	12	39	19	18	12	<5	0.2	40	8	936	<2	231	14	15	<5	0.1	5	61	<0.01	0.30	2.94	2.74	1.05	0.07	0.02	0.01
E50824	4	0.2	3	62	26	67	8	12	0.4	140	39	1343	6	93	48	22	8	0.3	4	115	<0.01	1.89	6.18	6.22	3.59	0.18	0.02	0.03
E50825	3	0.1	12	19	9	13	<5	<5	<0.1	17	9	222	<2	203	9	30	<5	0.1	20	28	<0.01	0.67	0.42	1.55	0.30	0.11	0.08	0.06
E50826	11	0.1	13	24	12	23	6	<5	0.1	22	8	623	<2	220	15	23	5	0.1	3	27	<0.01	0.40	1.41	2.71	0.48	0.09	0.02	0.02
DUP E50826	12	0.1	12	22	11	22	6	<5	<0.1	21	8	585	<2	206	14	21	<5	<0.1	3	25	<0.01	0.37	1.32	2.55	0.45	0.08	0.02	0.02
E50827	3	0.4	5	204	34	129	11	8	0.7	843	86	1584	17	1232	131	71	19	0.7	10	171	<0.01	2.45	2.98	8.42	6.72	0.01	<0.01	0.05
E50828	7	0.5	5	144	44	72	180	36	1.6	57	20	4576	38	110	98	7	21	0.2	5	6	<0.01	1.61	1.31	17.43	0.36	0.03	<0.01	0.05
E50829	2	<0.1	6	10	6	50	<5	<5	0.2	14	3	622	<2	106	4	76	<5	0.2	9	44	<0.01	0.45	0.56	1.21	0.18	0.19	0.05	0.02
E50830	2	0.2	10	86	29	78	11	15	0.4	514	32	6322	16	309	44	16	10	0.2	5	31	<0.01	2.47	2.92	11.08	0.89	0.01	<0.01	0.04
E50831	1	<0.1	13	7	7	11	<5	<5	<0.1	15	2	180	<2	232	3	13	<5	<0.1	5	13	<0.01	0.20	0.05	1.03	0.09	0.06	0.02	<0.01
E50832	5	1.8	7	564	50	208	40	13	0.6	549	139	2902	17	57	25	4	12	0.2	7	71	0.05	4.18	1.45	9.54	2.97	0.01	0.02	0.05
E50833	3	0.4	15	210	20	50	<5	<5	0.1	93	10	1001	<2	262	17	12	<5	0.1	3	126	0.05	1.30	1.39	2.70	0.56	0.01	0.02	0.02
E50834	3	0.8	5	196	29	104	17	6	0.3	136	30	1472	7	166	139	6	6	0.3	6	44	0.37	2.92	0.97	6.69	1.19	0.01	0.03	0.04
E50835	4	0.2	4	213	37	160	42	6	0.5	1528	192	2804	23	1839	201	117	12	0.7	10	83	0.15	3.34	3.37	9.97	2.66	0.44	0.01	0.06
DUP E50835	2	0.2	4	209	37	156	43	15	0.4	1493	188	2748	19	1800	195	115	9	0.7	10	81	0.14	3.24	3.31	9.81	2.62	0.43	0.01	0.06
E50836	83	0.3	4	32	26	185	<5	10	<0.1	15	25	1235	9	49	14	25	15	0.4	11	21	0.02	3.52	0.89	10.01	1.06	0.02	0.04	0.16
E50837	20	0.4	3	295	27	96	16	11	<0.1	101	67	1162	8	138	227	17	13	0.3	5	17	0.21	3.74	0.66	9.47	2.29	0.01	0.03	0.06
E50838	3	<0.1	15	10	5	12	<5	<5	<0.1	10	3	240	<2	285	5	7	<5	<0.1	2	5	<0.01	0.18	0.06	0.90	0.06	<0.01	0.03	<0.01
E50839	16	0.2	5	143	35	133	<5	15	0.2	46	60	1507	14	47	112	17	10	0.2	6	26	0.01	5.15	2.52	10.35	2.61	<0.01	<0.01	0.06
E50840	6	<0.1	19	14	4	5	<5	<5	<0.1	12	2	70	<2	405	2	2	<5	<0.1	<1	2	<0.01	0.11	0.11	0.73	0.07	<0.01	0.02	<0.01
E58335	1	0.2	6	133	31	151	<5	17	0.4	97	47	4109	18	89	137	4	10	0.2	5	32	<0.01	4.49	5.19	11.39	1.80	0.02	0.03	0.05
E58336	2	<0.1	6	11	9	21	<5	<5	<0.1	7	4	493	<2	83	7	36	<5	<0.1	7	27	<0.01	0.56	0.48	1.39	0.13	0.13	0.06	0.03
E58337	1	0.2	3	229	32	75	68	23	0.4	770	80	6858	19	476	57	20	11	0.3	9	60	<0.01	0.79	3.32	12.63	1.72	0.07	0.02	0.04
E58338	2	0.1	8	12	8	17	<5	<5	<0.1	18	5	219	<2	121	5	44	<5	0.2	19	7	0.06	0.71	0.32	1.44	0.31	0.16	0.07	0.03
STD P1-SPK	49	0.2	68	26	59	145	19	<5	0.4	33	7	632	<2	119	38	181	<5	0.5	10	98	0.13	1.18	1.02	2.43	0.87	0.38	0.07	0.08

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: 515E | Submitted by: R SEYLER | Sample Type: ROCK | Date Received: SEPT 9, 1994 | Page 2 of 3
Area: BLACK LAKE | Lab Project No.: D4296 | NTS: 52J4E | Date Completed: SEPT 23, 1994 | Attn: R SEYLER, E KIMURA
Remarks: SAMPLES E50817 AND E58441 HAVE BEEN FIRE ASSAYED FOR AU, RESULTS IN G/T
Au – 10.0 g sample digested with Aqua Regia and determined by Graphite Furnace A.A. (D.L. 1 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, Ba, Be, Cr, La and W are rarely dissolved completely with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Cd ppm	Ni ppm	Co ppm	Mn ppm	Bi ppm	Cr ppm	V ppm	Ba ppm	W ppm	Be ppm	La ppm	Sr ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
E58339	1	0.1	3	43	23	87	<5	8	<0.1	104	34	827	5	138	93	7	15	0.3	5	45	0.13	4.20	1.00	4.90	4.21	0.02	0.03	0.04
E58340	70	4.3	4	2007	44	134	91	21	0.3	1258	416	794	25	236	81	5	19	0.2	3	3	0.09	5.55	0.12	13.46	4.85	0.03	<0.01	0.05
E58341	3	0.1	4	164	24	51	<5	<5	<0.1	197	35	510	2	180	40	18	6	0.1	3	53	0.07	3.45	1.03	4.02	3.33	0.01	0.02	0.03
2X E58342	3	<0.1	16	64	10	23	6	<5	<0.1	155	14	239	<2	285	17	3	<5	<0.1	1	28	0.05	1.30	0.56	1.96	1.11	<0.01	0.03	0.02
E58343	14	0.7	14	17	25	59	12	11	<0.1	54	20	1467	7	87	30	34	7	0.3	8	323	<0.01	0.93	8.78	5.93	3.18	0.11	0.06	0.23
E58344	72	12.0	40	2025	22	51	<5	<5	<0.1	11	8	549	48	102	5	63	<5	0.4	12	9	<0.01	2.56	0.80	3.54	1.65	0.14	0.05	0.03
E58345	2	<0.1	13	26	9	13	<5	<5	<0.1	35	6	213	<2	285	17	5	<5	<0.1	<1	10	0.01	0.56	0.63	1.21	0.59	0.02	0.02	<0.01
E58346	8	0.2	5	90	23	76	<5	6	<0.1	78	38	670	4	133	216	22	10	0.3	5	71	0.21	3.51	1.68	5.87	3.09	0.03	0.02	0.10
E58347	11	0.6	15	25	55	10	13	<5	<0.1	11	2	48	<2	247	7	58	<5	0.1	4	14	<0.01	0.36	0.04	3.27	0.07	0.25	0.02	0.04
DUP E58347	25	0.5	14	25	57	10	12	<5	<0.1	11	2	46	<2	251	6	59	<5	0.1	4	14	<0.01	0.35	0.03	3.33	0.06	0.26	0.02	0.04
E58348	26	1.4	7	898	13	24	<5	<5	<0.1	38	22	193	<2	113	17	58	<5	0.3	21	24	<0.01	1.15	0.83	2.83	0.45	0.25	0.04	0.05
E58349	3	0.1	9	25	9	32	<5	<5	<0.1	6	4	250	<2	131	2	61	<5	0.3	23	9	<0.01	1.43	0.07	1.93	0.60	0.22	0.07	0.02
E58350	5	0.2	10	108	9	23	<5	<5	<0.1	6	4	236	<2	138	2	58	<5	0.5	16	4	<0.01	1.23	0.09	1.93	0.45	0.26	0.03	0.02
E58413	2	0.1	3	59	22	79	<5	<5	<0.1	181	27	704	6	211	59	39	<5	0.2	4	33	0.10	3.01	0.61	4.24	3.05	0.04	0.03	0.04
E58414	6	0.1	3	54	16	78	<5	<5	<0.1	50	24	815	6	63	96	31	<5	0.2	13	36	<0.01	1.94	2.04	4.89	1.98	0.04	0.06	0.07
E58415	33	48.0	10	8.72%	112	60	33	19	2.7	32	23	443	13	131	28	8	6	<0.1	5	9	<0.01	0.55	0.28	8.90	0.41	0.02	0.06	0.10
E58416	3	0.3	2	478	29	78	<5	<5	0.2	400	55	1199	10	413	45	37	<5	0.2	4	68	<0.01	3.09	1.87	5.95	5.21	0.01	<0.01	0.04
E58417	6	0.7	4	901	27	72	257	11	0.1	656	81	728	11	77	84	10	<5	0.2	6	57	<0.01	4.21	5.33	5.22	3.55	0.05	0.07	0.04
E58418	3	0.1	5	52	16	38	<5	<5	<0.1	45	20	378	<2	87	128	6	<5	0.1	3	60	0.19	2.24	1.23	3.12	1.45	0.01	<0.01	0.02
DUP E58418	3	0.1	4	52	15	41	<5	<5	<0.1	43	20	382	3	93	130	6	<5	0.1	3	60	0.19	2.24	1.21	3.15	1.46	0.01	<0.01	0.02
E58419	11	0.4	13	147	6	7	31	<5	<0.1	25	9	78	<2	241	9	65	<5	0.1	3	11	<0.01	0.47	0.09	1.61	0.06	0.07	0.07	0.01
E58420	4	<0.1	9	17	6	4	22	<5	<0.1	6	1	35	<2	165	8	60	<5	<0.1	3	10	<0.01	0.37	0.02	2.08	0.02	0.11	0.07	0.03
E58421	6	0.1	5	306	26	53	85	8	0.2	584	81	1958	11	889	101	9	10	0.3	11	74	<0.01	1.84	6.79	8.67	2.25	0.03	0.02	0.04
E58422	1	0.1	4	130	22	112	<5	12	0.3	28	34	1336	9	108	246	34	7	0.3	6	43	<0.01	3.02	4.92	7.98	1.97	0.01	0.02	0.06
2X E58423	6	0.1	2	136	18	109	43	7	0.2	285	74	1448	6	62	47	22	<5	0.2	5	38	<0.01	0.69	5.23	6.36	1.19	0.02	0.06	0.04
E58424	1	0.1	9	6	8	41	<5	<5	<0.1	9	6	651	<2	139	11	41	<5	0.2	22	26	<0.01	0.99	1.75	2.97	0.27	0.15	0.06	0.05
E58425	1	<0.1	10	2	1	3	<5	<5	<0.1	10	1	71	<2	213	2	2	<5	<0.1	2	2	<0.01	0.06	0.11	0.39	0.05	<0.01	<0.01	<0.01
E58426	2	0.4	10	14	13	32	15	<5	<0.1	7	4	274	<2	141	2	87	<5	0.1	23	9	<0.01	0.58	0.46	1.54	0.16	0.17	0.05	0.01
E58427	4	0.2	3	87	21	74	<5	8	0.1	46	48	545	5	69	215	6	7	0.3	4	56	0.21	3.48	1.51	5.97	2.64	0.01	0.02	0.03
STD P1-SPK	37	0.3	66	25	60	138	20	<5	0.4	31	6	597	<2	114	37	171	<5	0.5	10	96	0.12	1.14	0.98	2.30	0.83	0.36	0.07	0.08
E58428	7	0.1	14	22	5	12	<5	<5	<0.1	14	8	118	<2	276	29	6	5	0.1	2	8	0.02	0.28	0.17	1.02	0.21	<0.01	0.02	<0.01
E58429	3	0.2	6	76	24	80	<5	<5	<0.1	31	23	669	<2	91	83	31	11	0.2	10	52	0.22	3.01	1.58	5.58	1.94	0.08	0.03	0.07
E58430	18	0.1	8	30	10	66	<5	<5	<0.1	6	6	649	<2	134	10	16	<5	<0.1	10	14	0.08	1.73	0.64	4.83	0.42	0.04	0.05	0.08
E58431	3	0.1	15	11	8	13	<5	<5	<0.1	8	1	454	<2	293	2	10	<5	<0.1	1	3	<0.01	0.13	0.10	0.76	0.03	<0.01	0.01	<0.01
E58432	3	0.1	3	22	15	13	<5	<5	<0.1	20	15	154	<2	65	39	10	<5	0.2	32	345	0.18	0.99	1.86	2.68	0.12	0.02	0.04	0.16
E58433	5	0.2	4	8	30	141	<5	<5	0.2	491	56	651	8	681	83	13	<5	0.3	38	110	<0.01	4.50	2.57	6.24	5.23	0.05	0.04	0.18
E58434	11	<0.1	13	15	4	9	<5	<5	<0.1	26	4	160	<2	255	6	9	<5	<0.1	14	17	<0.01	0.24	0.15	0.92	0.14	0.03	0.02	0.03
E58435	5	<0.1	13	7	8	39	<5	<5	<0.1	79	11	354	<2	263	16	12	<5	<0.1	3	25	<0.01	0.72	0.56	1.77	0.89	0.02	0.01	0.02
E58436	135	<0.1	12	7	8	11	6	<5	0.2	25	5	320	<2	241	6	3	<5	0.1	2	96	<0.01	0.12	2.09	1.28	1.01	0.02	<0.01	0.02
DUP E58436	86	<0.1	12	6	9	12	6	<5	0.1	25	5	328	<2	244	7	3	<5	0.1	2	98	<0.01	0.12	2.13	1.30	1.03	0.02	<0.01	0.02

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: 515E Submitted by: R SEYLER Sample Type: ROCK Date Received: SEPT 9, 1994 Page 3 of 3
Area: BLACK LAKE Lab Project No.: D4296 NTS: 52J4E Date Completed: SEPT 23, 1994 Attn: R SEYLER
Remarks: SAMPLES E50817 AND E58441 HAVE BEEN FIRE ASSAYED FOR AU, RESULTS IN G/T E KIMURA
Au – 10.0 g sample digested with Aqua Regia and determined by Graphite Furnace A.A. (D.L. 1 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, Ba, Be, Cr, La and W are rarely dissolved completely with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Cd ppm	Ni ppm	Co ppm	Mn ppm	Bi ppm	Cr ppm	V ppm	Ba ppm	W ppm	Be ppm	La ppm	Sr ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
E58437 ✓	260	0.1	17	11	6	12	<5	<5	<0.1	67	9	294	<2	335	6	13	11	<0.1	4	16	<0.01	0.10	0.24	1.13	0.15	0.02	<0.01	<0.01
E58438 ✓	945	0.1	2	11	24	37	18	7	0.5	66	15	1272	5	76	19	26	8	0.4	18	415	<0.01	0.23	9.31	3.51	4.65	0.10	0.03	0.07
E58439 ✓	120	0.3	12	10	12	29	8	<5	0.2	47	8	618	<2	220	11	15	<5	0.1	15	149	<0.01	0.19	3.15	1.99	1.50	0.03	0.02	0.05
E58440 ✓	5	0.4	3	7	39	210	<5	5	0.3	862	76	899	16	1048	155	9	12	0.5	16	101	<0.01	7.28	2.97	7.37	9.22	0.02	<0.01	0.12
Au g/t E58441 ✓	11.8	1.2	16	11	6	21	6	<5	<0.1	26	4	303	<2	308	7	3	<5	<0.1	3	69	<0.01	0.10	1.35	1.07	0.72	0.01	0.01	<0.01
E58442 ✓	13	0.2	2	41	21	73	<5	5	<0.1	99	38	1007	7	54	38	57	<5	0.3	6	145	<0.01	1.90	4.67	5.08	3.08	0.20	0.02	0.06
E58443 ✓	15	<0.1	12	7	10	13	10	<5	0.2	15	6	571	<2	219	8	20	<5	0.1	5	98	<0.01	0.17	3.07	1.83	1.13	0.08	0.04	0.01
E58444 ✓	16	0.1	3	10	36	75	13	<5	0.5	898	53	1148	12	622	71	6	10	0.5	15	877	<0.01	2.73	8.02	4.35	8.68	0.02	0.01	0.06
E58445 ✓	7	0.1	13	21	20	27	13	<5	0.3	145	13	447	<2	305	16	3	<5	0.2	9	340	<0.01	0.36	3.68	1.87	2.45	0.01	0.01	0.01
DUP E58445 ✓	7	0.1	14	21	20	27	13	<5	0.3	139	12	410	<2	302	16	3	<5	0.2	9	334	<0.01	0.34	3.62	1.82	2.40	0.01	0.01	0.01
E58446 ✓	2	0.3	2	49	39	140	<5	<5	0.2	553	54	677	11	684	145	13	8	0.5	27	158	<0.01	5.05	2.11	5.91	6.85	0.03	0.02	0.13
E58501 ✓	75	<0.1	6	7	6	16	11	<5	<0.1	12	3	145	<2	112	7	53	<5	0.1	6	12	<0.01	0.56	0.15	0.86	0.16	0.20	0.05	0.02
E58502 ✓	14	<0.1	6	7	6	13	<5	<5	<0.1	9	2	205	<2	96	6	56	<5	0.1	7	28	<0.01	0.51	0.56	0.65	0.11	0.17	0.05	0.02
E58503 ✓	6	0.1	3	62	19	35	494	11	<0.1	46	35	2307	5	70	58	57	<5	0.2	5	59	<0.01	0.92	5.78	6.67	1.42	0.11	0.04	0.05
E58504 ✓	2	0.2	3	139	34	88	56	8	0.3	767	79	1431	13	1035	112	18	<5	0.5	7	437	<0.01	1.87	6.88	7.24	5.86	0.01	0.01	0.04
E58505 ✓	73	4.0	9	435	41	64	<5	<5	0.4	10	13	850	<2	131	36	16	<5	0.1	6	35	0.01	1.55	3.38	3.62	0.83	0.04	0.04	0.13
STD P1-SPK	40	0.3	70	25	61	136	21	<5	0.3	32	6	611	<2	118	37	170	<5	0.5	11	100	0.13	1.17	1.03	2.32	0.84	0.35	0.07	0.08

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: 515E | Submitted by: R SEYLER | Sample Type: ROCK | Date Received: SEPT 19, 1994 | Page 1 of 1
Area: BLACK LAKE | Lab Project No.: D4308 | NTS: 52J4E | Date Completed: SEPT 27, 1994 | Attn: RED LAKE EXPL OFF E KIMURA
Remarks:

Au – 10.0 g sample digested with Aqua Regia and determined by Graphite Furnace A.A. (D.L. 1 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, Ba, Be, Cr, La and W are rarely dissolved completely with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Cd ppm	Ni ppm	Co ppm	Mn ppm	Bi ppm	Cr ppm	V ppm	Ba ppm	W ppm	Be ppm	La ppm	Sr ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
E50841	8	<0.1	11	26	3	14	7	<5	0.2	10	2	724	<2	205	2	25	<5	<0.1	<1	4	<0.01	0.04	0.84	1.75	0.27	<0.01	<0.01	<0.01
E50842	20	0.4	9	17	5	37	12	<5	<0.1	42	15	378	<2	120	8	36	<5	<0.1	4	9	<0.01	0.96	0.14	3.07	0.32	0.07	0.05	0.02
2X E50843	4	<0.1	11	191	<1	3	<5	<5	<0.1	6	2	82	<2	223	<1	3	<5	<0.1	<1	1	<0.01	0.03	0.02	0.44	<0.01	<0.01	<0.01	<0.01
E50844	5	<0.1	4	132	34	151	23	26	2.2	25	21	5491	34	25	46	53	7	0.1	4	33	<0.01	2.24	6.31	11.40	1.63	0.01	<0.01	0.04
E50845	29	1.0	6	3827	11	83	7	<5	0.3	15	9	2888	2	66	7	26	<5	0.1	4	26	<0.01	0.63	3.03	2.55	0.86	0.06	0.06	0.01
E50846	6	<0.1	13	79	1	11	<5	<5	<0.1	8	1	339	<2	215	3	9	<5	<0.1	<1	3	<0.01	0.31	0.29	0.87	0.11	<0.01	<0.01	0.01
E50851	16	0.5	2	629	31	53	603	10	0.7	2552	149	2583	13	684	136	75	<5	0.3	8	20	0.07	0.94	1.41	8.30	0.48	0.39	0.03	0.03
E50852	11	0.1	12	98	6	33	15	<5	<0.1	202	22	1160	<2	326	19	22	<5	<0.1	2	19	0.02	0.38	0.49	2.41	0.34	0.03	0.03	0.01
E50853	60	0.1	4	195	39	114	89	8	1.2	2983	136	2691	26	1182	120	12	<5	0.2	4	73	0.03	2.51	3.30	9.65	1.55	0.02	<0.01	0.05
DUP E50853	36	<0.1	3	185	37	104	86	7	1.0	2740	133	2651	25	1185	119	11	<5	0.2	4	72	0.03	2.28	3.07	9.45	1.44	0.02	<0.01	0.04
E50854	4	0.1	4	501	45	432	24	19	1.5	644	67	5198	20	1359	150	48	27	0.9	14	105	0.05	2.30	7.35	9.54	3.86	0.01	<0.01	0.05
E50855	7	0.1	4	168	41	88	94	15	1.1	567	82	3954	18	1079	114	16	15	0.5	12	126	<0.01	1.94	8.76	8.80	2.91	0.02	<0.01	0.05
E50856	10	0.2	11	160	29	73	<5	11	0.7	92	34	1009	6	102	124	25	9	0.3	6	41	0.07	3.49	3.52	5.29	2.33	0.07	0.28	0.05
E50857	11	0.1	12	103	19	19	36	<5	<0.1	273	22	505	<2	238	9	90	<5	0.1	4	25	0.02	0.10	1.05	1.94	0.33	0.03	0.02	0.01
E50858	8	0.2	3	174	38	46	44	17	0.9	948	96	2042	15	129	32	87	6	0.4	6	167	<0.01	0.17	7.81	8.02	2.62	0.08	0.02	0.05
E50859	7	<0.1	4	8	7	11	<5	<5	<0.1	20	3	190	<2	79	3	40	<5	0.1	9	21	<0.01	0.44	0.22	0.61	0.07	0.15	0.07	0.02
E50860	5	0.1	3	169	38	182	21	9	1.1	693	109	711	13	1995	218	34	13	0.5	7	15	0.06	3.71	0.37	9.33	4.24	0.05	<0.01	0.05
E58447	10	0.1	3	118	30	110	10	18	0.9	49	37	1932	12	111	107	24	7	0.2	6	42	<0.01	2.02	6.92	7.58	2.31	0.05	0.07	0.05
E58448	6	0.1	4	147	25	127	16	16	0.7	66	54	1578	5	76	76	22	5	0.2	5	31	<0.01	1.43	5.46	6.96	0.96	0.04	0.06	0.05
DUP E58448	6	<0.1	4	146	26	125	16	16	0.7	65	54	1558	5	75	76	21	<5	0.2	5	30	<0.01	1.42	5.41	6.91	0.95	0.04	0.06	0.05
E58449	3	<0.1	9	21	15	26	14	<5	0.3	159	27	2249	<2	253	23	82	15	0.2	4	31	<0.01	0.32	2.25	5.20	0.74	0.04	0.01	0.03
E58450	4	<0.1	5	266	35	51	33	16	0.7	689	64	3617	13	741	120	75	17	0.5	10	96	0.08	2.11	6.35	8.84	3.22	0.29	0.03	0.04
E58506	7	0.3	12	649	8	26	21	<5	<0.1	359	34	909	<2	298	14	73	<5	<0.1	2	6	<0.01	0.16	0.24	3.04	0.11	0.03	<0.01	0.01
E58507	10	0.2	4	166	15	43	78	6	0.2	99	47	773	3	160	93	40	6	0.1	4	13	0.14	2.10	0.39	6.24	0.95	0.13	0.03	0.05
E58508	5	<0.1	8	14	25	66	12	12	0.7	604	36	946	7	248	23	43	<5	0.2	7	308	<0.01	0.97	6.08	3.79	3.69	0.11	0.02	0.04
E58551	4	<0.1	4	10	7	43	22	<5	0.2	36	18	359	<2	55	7	44	<5	0.1	9	25	<0.01	0.62	1.05	1.54	0.34	0.08	0.07	0.05
E58552	4	<0.1	5	11	20	119	31	12	0.7	52	16	1823	6	70	11	103	<5	0.2	7	39	<0.01	0.39	5.71	4.95	1.99	0.08	0.07	0.06
STD SPK-P1	47	0.3	70	25	61	138	19	<5	0.4	31	7	570	<2	111	35	169	<5	0.5	9	92	0.12	1.09	0.99	2.31	0.83	0.37	0.07	0.08

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: 515E | Submitted by: R SEYLER | Sample Type: ROCK | Date Received: SEPT 20, 1994 | Page 1 of 1
Area: BLACK LAKE | Lab Project No.: D4310 | NTS: 25 | Date Completed: SEPT 30, 1994 | Attn: R SEYLER, E KIMURA, LAB
Remarks: SAMPLES WITH * HAVE BEEN FIRE ASSAYED FOR AU, RESULTS IN G/T.
Au – 10.0 g sample digested with Aqua Regia and determined by Graphite Furnace A.A. (D.L. 1 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, Ba, Be, Cr, La and W are rarely dissolved completely with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Cd ppm	Ni ppm	Co ppm	Mn ppm	Bi ppm	Cr ppm	V ppm	Ba ppm	W ppm	Be ppm	La ppm	Sr ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
E58509	7	0.6	5	1666	23	85	<5	6	0.5	177	49	1077	7	293	63	10	19	0.2	5	14	0.05	3.45	0.76	5.50	3.99	0.01	0.03	0.04
E58510	4	<0.1	3	299	36	77	207	20	0.9	1271	135	3294	15	684	84	29	10	0.4	6	54	<0.01	1.30	5.65	9.40	1.94	0.05	0.02	0.04
E58511	1	0.1	3	196	42	128	83	8	0.9	1027	103	1665	16	1409	144	30	9	0.6	9	203	<0.01	2.46	4.73	8.42	5.55	0.02	<0.01	0.05
E58512	3	1.2	4	73	33	47	70	35	0.8	194	16	1616	14	60	27	5	<5	0.3	6	239	<0.01	0.04	12.39	5.71	4.45	0.02	0.02	0.02
E58513	5	2.3	6	126	50	47	25	<5	0.3	33	10	583	<2	91	5	55	<5	0.1	7	13	<0.01	0.71	1.18	1.90	0.51	0.19	0.03	0.02
E50861	2	0.1	4	25	7	24	<5	<5	0.2	10	4	206	<2	70	4	79	<5	0.1	6	8	0.02	0.84	0.70	1.34	0.36	0.25	0.02	0.03
E50862	<1	<0.1	12	6	7	11	<5	<5	<0.1	8	2	92	<2	201	3	18	<5	<0.1	1	4	<0.01	0.33	0.08	0.83	0.21	0.07	0.01	<0.01
E50863	19	0.5	2	654	26	66	<5	7	0.4	665	42	707	7	355	42	10	<5	0.1	4	16	0.06	3.52	0.40	5.03	3.90	0.04	0.02	0.05
E50864	81	0.1	8	19	6	21	20	<5	<0.1	15	8	221	<2	116	7	54	<5	0.1	16	6	<0.01	0.52	0.23	2.25	0.15	0.15	0.05	0.05
DUP E50864	87	0.1	8	16	7	21	19	<5	<0.1	13	8	212	<2	111	7	48	<5	0.1	16	6	<0.01	0.50	0.22	2.18	0.13	0.14	0.05	0.05
E50865	1	<0.1	4	17	5	46	5	<5	0.1	10	4	186	<2	65	5	42	11	0.2	10	21	<0.01	0.59	0.10	1.28	0.09	0.15	0.05	0.02
E50866	1	<0.1	3	98	30	84	6	18	1.0	98	39	1765	9	125	123	37	13	0.2	5	33	<0.01	3.41	3.37	7.82	2.03	0.06	0.02	0.06
E50867	81	0.5	4	211	29	24	418	41	0.8	147	56	245	7	79	16	14	<5	<0.1	2	12	<0.01	0.44	0.30	10.81	0.15	0.09	0.04	0.04
E50868	4	0.3	5	240	32	71	639	22	0.7	866	128	1821	11	1236	94	28	7	0.4	7	97	<0.01	1.80	4.13	6.71	2.04	0.08	0.02	0.05
E50869	44	<0.1	11	8	6	16	10	<5	0.2	31	6	539	<2	210	7	19	<5	<0.1	3	6	<0.01	0.53	0.52	0.94	0.39	0.04	0.02	0.01
E50870	1	<0.1	1	5	19	79	<5	16	0.5	98	27	616	5	61	30	47	7	0.1	5	16	0.04	3.76	0.64	4.21	3.28	0.13	0.05	0.04
E50872	380	3.0	10	1400	17	46	<5	7	0.5	9	17	377	<2	150	39	12	<5	<0.1	16	15	<0.01	1.35	1.39	3.16	0.73	0.07	0.02	0.10
Au g/t E50873*	18.7	7.0	14	54	14	17	33	<5	0.2	34	34	97	26	171	17	59	<5	<0.1	2	10	<0.01	0.38	0.16	3.85	0.19	0.06	0.01	0.02
E50874	205	1.0	6	12	22	62	<5	17	0.5	33	20	345	10	43	87	106	5	0.2	3	11	<0.01	2.78	0.21	5.91	1.67	0.11	0.03	0.11
DUP E50874	210	1.2	6	12	25	63	<5	16	0.6	36	22	382	12	47	86	119	6	0.2	3	12	<0.01	3.14	0.23	6.44	1.86	0.12	0.03	0.13
E50875	15	<0.1	11	9	<1	8	<5	<5	<0.1	9	3	110	<2	189	13	6	8	<0.1	1	4	<0.01	0.26	0.02	0.81	0.14	<0.01	<0.01	<0.01
E50876	3	<0.1	3	17	19	96	<5	12	0.3	73	28	1141	7	101	131	21	10	0.2	6	37	<0.01	4.44	1.91	7.31	2.56	0.03	0.03	0.10
E50877	1	<0.1	2	10	14	68	<5	8	0.2	49	25	817	<2	67	138	11	7	0.2	4	25	<0.01	3.05	1.68	5.51	1.69	0.01	0.04	0.05
E50878	4	<0.1	10	4	<1	6	<5	<5	<0.1	7	<1	63	<2	204	2	3	<5	<0.1	<1	4	<0.01	0.07	0.04	0.42	0.03	<0.01	<0.01	<0.01
Au g/t E50879*	13.5	4.5	14	1931	12	9	<5	<5	<0.1	11	<1	32	403	251	1	7	<5	<0.1	<1	6	<0.01	0.02	0.02	0.92	<0.01	<0.01	<0.01	<0.01
Au g/t E50879*	15.8																											
Au g/t E50880*	3.46	5.5	12	912	7	5	<5	<5	<0.1	10	<1	28	275	226	<1	2	<5	<0.1	<1	5	<0.01	<0.01	0.02	0.66	<0.01	<0.01	<0.01	<0.01
Au g/t E50880*	6.00																											
E50881	36	0.1	12	987	<1	5	<5	<5	<0.1	12	2	48	<2	219	1	5	<5	<0.1	<1	4	<0.01	0.03	0.11	0.49	<0.01	0.01	<0.01	<0.01
STD P1-SPK	30	0.2	66	26	55	136	20	<5	0.3	30	6	573	<2	108	35	176	<5	0.5	8	95	0.12	1.10	0.91	2.24	0.79	0.36	0.07	0.08

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9530.00014

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2.16043

Instructions:
- Please type or print and submit in duplicate.
- Refer to the Mining Act and Regulations for Recorder.
- A separate copy of this form must be comp
- Technical reports and maps must accompa
- A sketch, showing the claims the work is as

52J04NE0006 2.16043 SHARRON LAKE

900

Recorded Holder(s)		Client No.
Placer Dome Canada Limited		300210
Address		**Telephone No.**
P.O. Box 350, Suite 2422, 77 King Street West, Toronto, ON M5K 1K3		(416) 323-4962
Mining Division	**Township/Area**	**M or G Plan No.**
Patricia	Sharron Lake / Zarn Lake	G-2207 / G-2277
Dates Work Performed From: July 17, 1994	To: December 31, 1994	

Work Performed (Check One Work Group Only)

	Work Group	Type
✓	Geotechnical Survey	Geology / Linecutting / Lithogeochemistry
	Physical Work, Including Drilling	(W10) (GEOL) (OTHER)
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

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JUN 1 2 1995
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs $ 69,757.00

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Lytal Exploration	624 Catherine Street, Thunder Bay, ON P7E 1C3
Stuart W. Deveau	Box 499, 33 Lakeshore Road, Red Lake, ON P0V 2M0

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

	Date	Recorded Holder or Agent (Signature)
I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	May 24/95	S. W. Deveau

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying

Stuart W. Deveau, Box 499, 33 Lakeshore Road, Red Lake, ON P0V 2M0

Telephone No.	Date	Certified by (Signature)
(807) 727-3066	May 24/95	S. W. Deveau

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
# 69787	95 MAY 25	RECORDED 95 MAY 25 P1:48	95 MAY 25
	Deemed Approval Date: 95 AUG 25	Date Approved	
	Date Notice for Amendments Sent		

3241 (03/91)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1162704	16	$17177	$6400	$11 577	
	1162705	3	$3008	$1200	$1 808	
	1162706	1	$870	$400	$470	
	1162707	1	$290	$400		
	1162708	3	$1780	$1200	$580	
	1162727	12	$5304	$4800	$504	
	1162728	4	$1980	$1600	$380	
	1162729	1	$1010	$400	$610	
	1162730	6	$725	$2400		
	1162731	15	$8980	$6000	$2980	
	1162732	8	$5770	$3200	$2570	
	1162733	3	$4655	$1200	$1427	2028
	1162734	2	$1019	$800	$219	
	1196597	4	$5304	$1600		3704
	1196598	1	$1660	$400	$1260	
	1196599	6	$8855	$2400		6455
	1202140	4	0	$1600		
Page 1 of 2	17		$69 187	$36 000	$24 355	$12 187
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

0241 (03/91)

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.
4. ☑ Credits are to be cut back from reserve, per as per 1 above.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature

Date

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1202141	14	0	$5600		
	1202142	15	• $600	$6000		
	1202143	15	0	$6000		
	1202144	10	0	$4000		
TOTAL THIS PAGE	4		$600	$21 600		
	21		$69 787	$57 600	$24 385	$12 187
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

Page 2 of 2

0241 (07/91)

95 MAY 25 PM 1:49

RECORDER
NEVADA
DIVISION

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such cutbacks, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.
4. ☑ Credits are to be cut back from reserve, then as per 1 above.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed

Signature

Date

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Ontario

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction: W9530.00014

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	23,342	
	Field Supervision Supervision sur le terrain		23,342
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type: LINECUTTING	31,855	
	LAB COSTS	1,587	
			33,442
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type: RAT & MOTOR	2,107	
			2,107
	Total Direct Costs Total des coûts directs		58,891

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type: FLIGHTS	10,266	
			[redacted]
Food and Lodging Nourriture et hébergement	CABIN RENTAL	$630	[redacted]
Mobilization and Demobilization Mobilisation et démobilisation			[redacted]
	Sub Total of Indirect Costs Total partiel des coûts indirects		[redacted]
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		10,896
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)**		69,787

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

RECEIVED
2015 MAY 25
MINING LANDS SECTION
SUDBURY

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.

2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as CHECKLIST / AGENT I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature	Date
[signature]	May 4/15

Note : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

Ontario

Ministry of Northern Development and Mines
Ministère du Développement du Nord et des Mines

Geoscience Approvals Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

July 14, 1995

Our File: 2.16043
Transaction #: W9530.00014

Mining Recorder
Ministry of Northern
Development & Mines
Queen and Fourth
P.O. Box 3000
Sioux Lookout, Ontario
P8T 1C6

Dear Ms. Majcher:

Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS 1162704 et al. IN SHARRON LAKE & ZARN LAKE AREA

Assessment credits have been approved as outlined on the report of work form. The credits have been approved under Section 12 (Geology) of the Mining Act Regulations.

The approval date is July 14, 1995.

If you have any questions regarding this correspondence, please contact Steven Beneteau at (705) 670-5858.

Yours sincerely,

Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

SBB/jn

cc: Resident Geologist
Sioux Lookout, Ontario

Assessment Files Library
Sudbury, Ontario

PLACER DOME
CANADA LIMITED

DISTRICT EXPLORATION OFFICE
P.O. BOX 158
BALMERTOWN, ONTARIO
CANADA P0V 1C0

TEL. (807) 735-2452
FAX (807) 735-2274

July 14, 1995

Mr. Steven Beneteau
Mining Lands Section
MNDM
Willet Green Miller Centre
933 Ramsey Lake Road
Sudbury, ON
P3E 6B5

Dear Mr. Beneteau:

The following is the list of samples which were omitted from or duplicated on the Black Lake geology map:

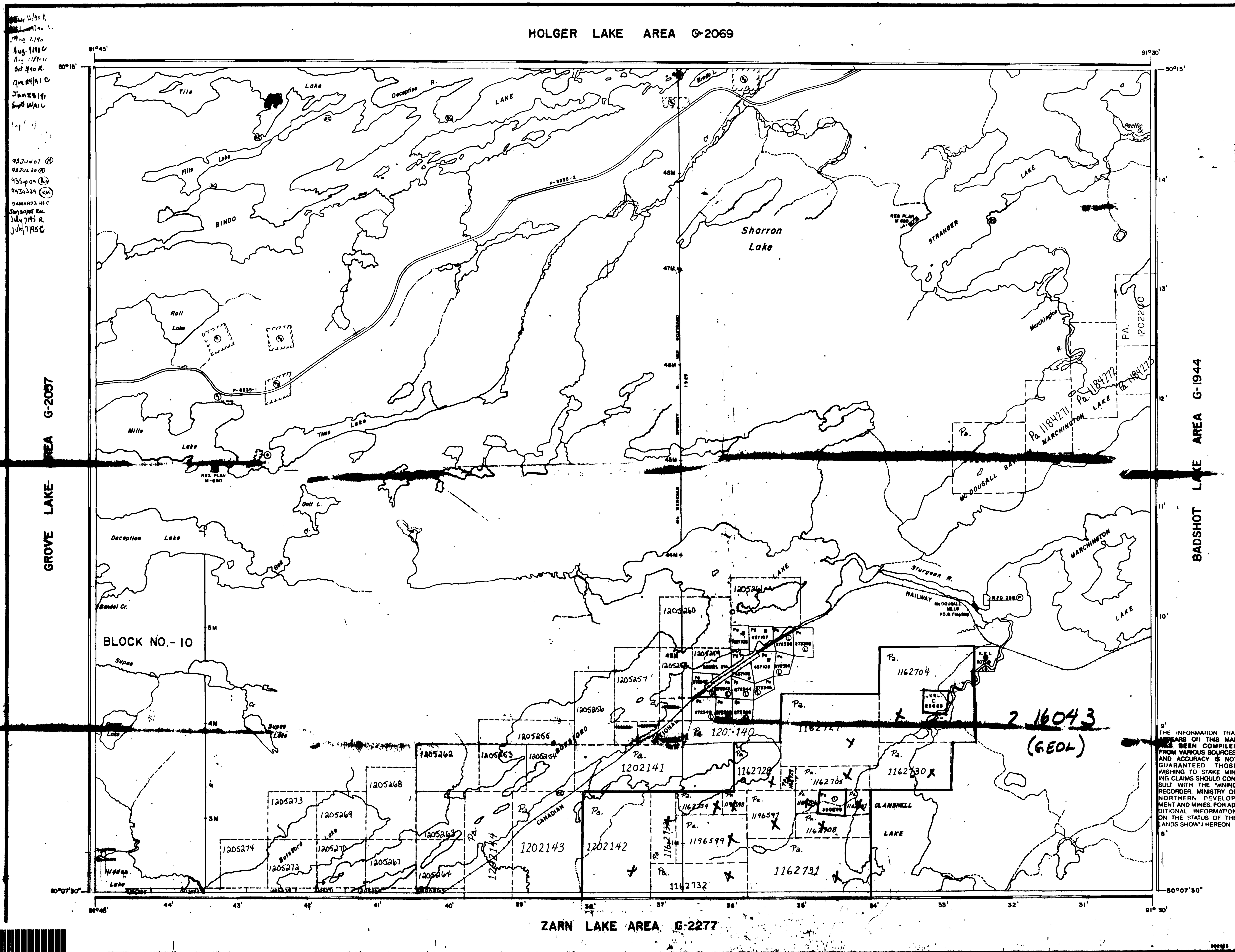
E50844	L38+90E	31+85N	
E50843	L40+00E	30+60N	
E50819	L44+25E	26+00N	
E58423	L37+90E	29+15N	
E58346	L80+25E	32+75N	
E58342	L73+00E	29+75N	
E58432	L92+90E	33+20N	(on map as dup of E58342)
E50856	L43+50E	16+50N	
E58507	L57+00E	27+00N	
E58508	L87+80E	31+40N	
E58511	L41+65E	26+20N	
E58335	L39+00E	29+10N	(not on your list, on map as dup of E58423)

I trust that this information will be helpful in completing the assessment on the Black Lake Project. If you require any additional information or have any other questions, please do not hesitate to contact our office at the number listed above.

Sincerely,
PLACER DOME CANADA LIMITED

Stuart W. Deveau
Geologist

2.16043



SAND AND GRAVEL

- QUARRY PERMIT
- GRAVEL FILE No 179726
- M.N.R. GRAVEL PIT No IF-22
- M.N.R. GRAVEL PIT No 50 FILE 179726
- M.T.C. GRAVEL PIT No IF-26
- M.T.C. GRAVEL PIT No IF-23

FOREST ACTIVITY INFORMATION

THIS TOWNSHIP/AREA FALLS WITHIN THE

CROWN FOREST MGT. UNIT

AND MAY BE SUBJECT TO FORESTRY OPERATIONS
THE M.N.R. UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT
P.O. BOX 309
SIOUX LOOKOUT, ONTARIO P0V 2T0
(807) 737-1140

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	C.
REMOTE COTTAGE	

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+S. – MINING AND SURFACE RIGHTS

SEC. 43/70 W. 24/79 16/5/79 S.R.O. 179726

2.16043

FLOODING

LAC SEUL RESERVING RIGHT TO FLOOD AND OVERFLOW TO CONTOUR ELEV. 1172
FILE 14990

SCALE: 1 INCH = 40 CHAINS

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

AREA

SHARRON LAKE

M.N.R. ADMINISTRATIVE DISTRICT

SIOUX LOOKOUT

MINING DIVISION

PATRICIA

LAND TITLES / REGISTRY DIVISION

KENORA

Ministry of Natural Resources — Land Management Branch
Ontario

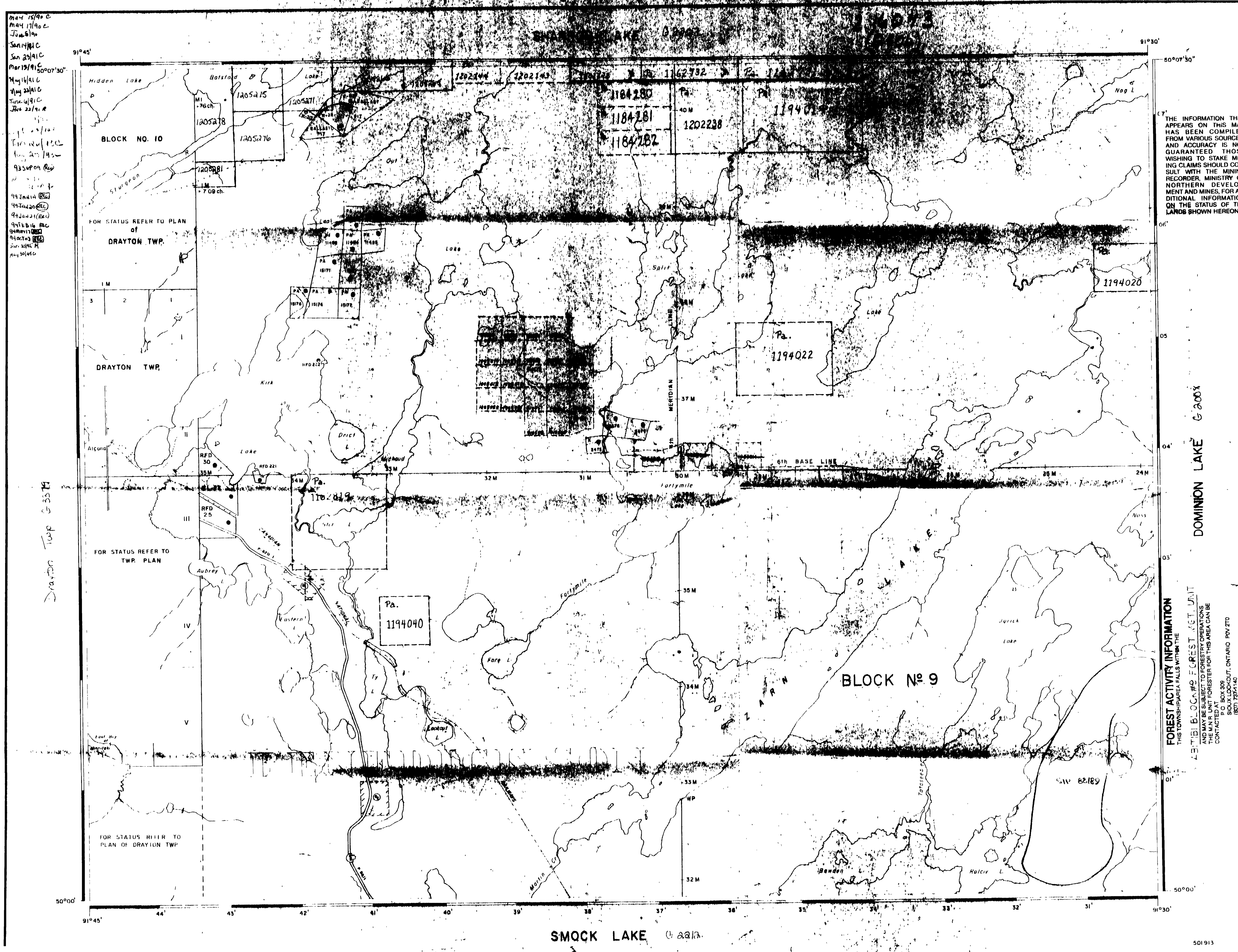
Date FEBRUARY, 1984

Number G-2207

95 AUG 22 PM 2:43
MINING RECORDER PATRICIA MINING DIVISION

52J04NE0006 2.16043 SHARRON LAKE

200



LEGEND

HIGHWAY AND ROUTE No
OTHER ROADS
TRAILS
SURVEYED LINES
TOWNSHIPS, BASE LINES, ETC
LOTS, MINING CLAIMS, PARCELS, ETC
UNSURVEYED LINES
LOT LINES
PARCEL BOUNDARY
MINING CLAIMS ETC
RAILWAY AND RIGHT OF WAY
UTILITY LINES
NON PERENNIAL STREAM
FLOODING OR FLOODING RIGHTS
SUBDIVISION OR COMPOSITE PLAN
RESERVATIONS
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◓
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	▀
" , MINING RIGHTS ONLY	▄
LICENCE OF OCCUPATION	▼
ORDER IN COUNCIL	OC
RESERVATION	(R)
CANCELLED	(C)
SAND & GRAVEL	(S)

NOTE MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT R.S.O. 1970 CHAP. 380 SEC. 63 SUBSEC. 1

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+ S. – MINING AND SURFACE RIGHTS

Description	Order No	Date	Disposition	File

2.16043

SAND and GRAVEL

(G1) GRAVEL FILE 163474
(G2) MTC GRAVEL RESERVE FILE 163474

SCALE 1 INCH - 40 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 (1 KM) 2000 (2 KM)

AREA

ZARN LAKE ●

M N R ADMINISTRATIVE DISTRICT

SIOUX LOOKOUT

MINING DIVISION

PATRICIA

LAND TITLES / REGISTRY DIVISION

KENORA

Ontario Ministry of Natural Resources Ministry of Northern Development and Mines

Date JANUARY 1987

Number G-2277

May 15/90 C
May 17/90 C
Jun 6/90
Jan 14/91 C
Jan 23/91 C
Mar 13/91 C
May 16/91 C
May 22/91 C
June 6/91 C
Aug 22/91 R
93 SEP 09 (Rec)
94 JAN 14 (Rec)
94 JAN 20 (REC)
94 JAN 21 (Rec)
94 FEB 16 Rec
94 MAY 17 (REC)
94 OCT 03 (REC)
Jan 30/95 R
May 30/95 C

Oct 2/87

95 AUG 22 PM 2:43
MINING RECORDER PATRICIA MINING DIVISION

210

LOTE

qtz & Fe-carb

20cm

foliation @ 034/V

sheared diorite & Fe-carb

E58434

E58433

E58435 qtz stringers & Fe-carb

sheared diorite

035°

E58436

0.5m qtz stockwork with Fe-carb dipping 65°N

1m qtz stockwork with Fe-carb dipping 65°N

brecciated qtz.

altered diorite

diorite

100cm qtz vein

E58437

qtz

035°

E58440 E58441

altered diorite

abundant Fe-carb in altered diorite

31+50 N

Veining near vertical to ~80-85° NW.

LOTE

Very sheared & altered diorite ~1m from vein

E58444 E58445

65 040°

E58446 E58819

045/60NW (vein)

70 040°

py in qtz

31+70 N

085/55W (vein)

31+60 N

pyrite in sheared diorite

qtz stringers (stockwork)

pyrite in diorite

lineation 295/65

70 035°

sheared & altered diorite

35 050°

60 055°

qtz stockwork

40 055°

80 055°

8cm qtz vein

gtz

050/90W (vein)

31+50 N

E58442 E58443

31+40 N

31+30N

sheared diorite

relatively undeformed diorite

qtz

10cm

70 035°

55 055°

sheared diorite

foliated diorite

1m

70 040°

Wall of Trench

sheared & altered diorite (sericitized)

qtz & Fe-carb

5cm

sheared diorite

sheared diorite

qtz & Fe-carb veins

10cm

qtz & Fe-carb E58439

sheared diorite

220

Volcanic breccia (vesicular) (locally mechanical?) E58438

Stuart W. Dineen May 24/95

2.10013

PLACER DOME CANADA LIMITED	BLACK LAKE PROJECT
DRAWN SWD	DRAWING 2
DATE 95:01:23	Geology of the Moretti Occurrence
SCALE 1:500	
	NO.

52J04NE0006 2 16043 SHARRON LAKE

May 24/95

PLACER DOME CANADA LIMITED	BLACK LAKE PROJECT
DRAWN RPS/SWD/HBL/RDB	DRAWING 1 2.16043
DATE 95:01:23	Property Geological Map
SCALE 1:5000	
	NO.

230