PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM

DRILLHOLE HEADER CARDS FILL OUT ONCE

KEY	FLAG	FORMAT VERSION	SPEC	UNIQUE ID OF PROJECT OR SUB-PROJECT	DRILL HOLE / TRAVERSE PRE-FIX / TYPE / NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED MONTH	BY	ASST'D BY	DRILLED DRILLER (S)	MONTH	YR.	RIG TYPE	DRILLING TIME-HRS.	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6B02	01	WINDY	DDH-08	NQ		MAP		OLY	AUG	89					00·00	01	11

	COMPANY NAME	PROPERTY or PROJECT or SUB-PROJECT NAME
IPRJ	PLACER DOME INC.	

	TURN'G PT. 000=Collar	FROM	TO	MT or FT.	TOTAL DEPTH / LENGTH	AZM CLOCKW'S FR. TRUE N.	V-ANG. NEG. IF DOWN	NORTHING NEG. IF SOUTH	EASTING NEG. IF WEST	ELEVATION NEG IF SUB-SEA
S	000	0000	12950	MT	129·50	090·00	-45·00	13000·	10400·	1059·

← Drillhole coordinate system units.

See Note 4 → TO DEFINE HOW AND AMOUNT FIELDS OF ALTERATION AND MINERAL SUITES — Fill out OPEN FIELD

	RECOVERY	T-MOD	% MIX	ROCK	TM 1	TM 2	QM 1	TX 1	TX 2	F F	GRAIN Cc %C MXP	Ri	B1	STRUC. ID	STRIKE AZM	DIP TO RT OR PLUNGE	ALTERATION AND MINERAL SUITES	OPEN FIELD
/NAM																	CL CB SI KF P1 P2 P3	

	RQD	AGE FORM'N	ENVIR.	LC / TM 3 COLOUR	QM 2	TX 3	TX 4	SR	RN	SN	O/C	FRACTURES SIMIL tot.	Ri	B2	STRU. 2 ID.	AZM	DIP TO RT		OPEN FIELD
LNAM																		EP SE SP CP LI MA	

FILL IN COLUMN HEADINGS USED — if desired

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

	UNIT OF	UNIT OF
/SCL	T·2	·

(3)

860018

WINDY V-216

DDH-08

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM

DRILLHOLE HEADER

KEY	FLAG	FORMAT VERSION	SPEC	UNIQUE ID OF PROJECT OR SUB-PROJECT	DRILL HOLE / TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED MONTH	BY	ASST'D BY	DRILLED DRILLER (S)	MONTH	YR.	RIG TYPE	DRILLING TIME-HRS.	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2 0 1		W I N D Y	D D H	-	0 8	N Q		M A P		O L Y	A U G	8 9					0 0 · 0 0	0 1	1 1

KEY	FLAG	COMPANY NAME	PROPERTY or PROJECT or SUB-PROJECT NAME
I	P R J	P L A C E R D O M E I N C.	

KEY	TURN'G PT. 000=Collar	FROM	TO	MT or FT	TOTAL DEPTH / LENGTH	AZM	CLOCKW'S FR. TRUE N.	V-ANG.	NEG. IF DOWN	NORTHING	NEG. IF SOUTH	EASTING	NEG. IF WEST	ELEVATION	NEG. IF SUB-SEA
S	0 0 0	0 0 0 0	1 2 9 5 0	M T	1 2 9 · 5 0	0 9 0 · 0 0	-	4 5 · 0 0		1 3 0 0 0 ·		1 0 4 0 0 ·		1 0 5 9 ·	

Drillhole coordinate system units.

CARDS

KEY	FLAG	RECOVERY	T-MOD	% MIX	ROCK	TM 1	TM 2	QM 1	TX 1	TX 2	F F	GRAIN C C	% C MXP	R i	B1	STRUC. ID	STRIKE AZM	DIP TO RT OR PLUNGE	ALTERATION AND MINERAL SUITES	OPEN FIELD
/	N A M																		C L C B S I K F P I P 2 P 3	

See Note 4 — TO DEFINE HOW AND AMOUNT FIELDS OF — Fill out

KEY	FLAG	RQD	AGE FORM'N	ENVIR.	LC COLOUR	TM 3	QM 2	TX 3	TX 4	S R	R N	S N	O C	FRACTURES S I M I	tot.	R i	B2	STRU. 2 ID.	AZM	DIP TO RT	OPEN FIELD
L	N A M																			E P S E S P C P L I M A	

FILL IN COLUMN HEADINGS USED — if desired

FILL OUT ONCE PER HOLE

KEY	FLAG	UNIT OF LENGTH	UNIT OF RECOVERY	LCTM or LB Hu
/	S C L	T · 2	·	
L	S C L		· (RQD)	

EXTRA DOWNHOLE SURVEY CARDS CROSS OUT IF NOT REQ'D.

FILL OUT IF REQUIRED — CROSS OUT IF NOT REQUIRED

KEY	TURN'G PT 000=Collar	FROM	TO	TOTAL DEPTH / LENGTH	AZM	CLOCKWISE FR. TRUE N.	V-ANG	NEG. IF DOWN
S	0 0 1			·		·		·
S	0 0 2			·		·		·
S	0 0 3			·		·		·
S	0 0 4			·		·		·
S	0 0 5			·		·		·
S	0 0 6			·		·		·

EXAMPLE OF ASSAY FILE DEFINITION CROSS OUT IF NOT REQ'D.

KEY	FLAG	
A	0 0	
A	U M M	
A	L A B	
A	T Y P	
A	M T H	

Assay File No. (Typically 1.) — ASSAY FIELD NAMES SEE NOTE 2:

ASSAY FILE DESCRIPTION CARDS ARE OPTIONAL — CROSS OUT IF NOT REQUIRED OR REPLACED BY REMARKS

SAMPLE ASSAY RECORDS

KEY	FROM	TO	RECOVERY	SS=Sample Serial No.	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9
A	0 0												
A	0 0												
A	0 0												
A	0 0												

Assay File Definition Number, Typically A001.

Notes:

1. - Do not change /NAM, LNAM, /SCL, LSCL, or AUMM card definitions durin a project. Blanks may be changed hower.
2. - On AUMM card, right adjust names so that R.H. 4 letters make sense. They will be "stats" header names.
3. - Units of distance on S000 card are for survey coordinates, those on /SCL card are for downhole distances.
4. - To define X X type field put X X in upper tier, lower tier then becomes corresponding How and amount field.
5. - If additional "S" or "A" cards are required use another header form and cross out unwanted portions or enter "S" or "A" cards on keypunched portion on Form 2.

P.L.K. - A.K. - Feb. 88

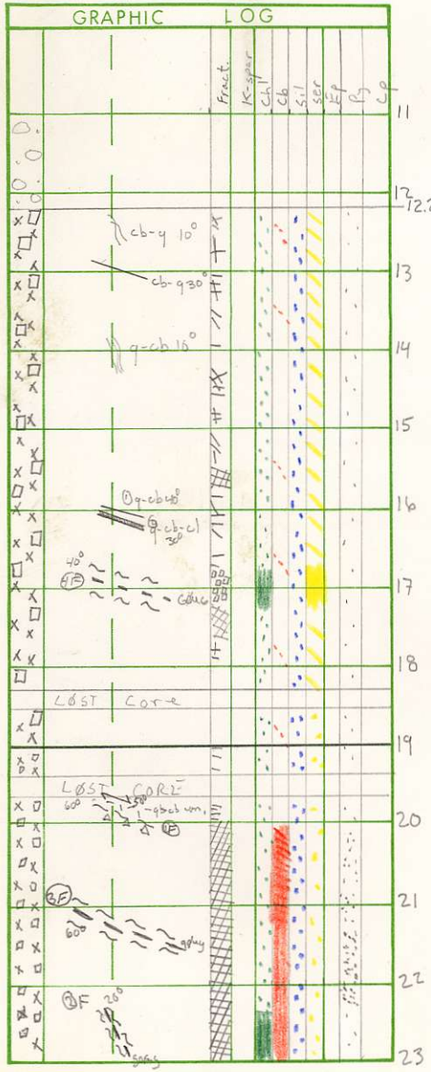
PLACER DOME INC.

(Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME – HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE OF
IDEN6B0201 V216	DDH-8			MAP										2 / 1

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T						

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE



		FROM						TO						RECOV.			T-MOD		% MIX	ROCK				QZ VEINS S	M	L	tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS																											
1	4	5	6	7	8	9	10	11	12	13	14	15	16	18	19	20	21	22	23	24	25	26	27	43	44	45	46	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
/																												C	L	C	B	S	I	K	F	P	1	P	2	P	3								
														RQD						CS				FRACTURES S	M	L	tot																						
L																												E	P	S	E	S	P			C	P	L	I	M	A								
														RECOV.			SS = Sample Serial No.						27	28	29	30	31	32																								
A																																																										

DESCRIPTIVE REMARKS	1	4	5	6	7	8	9	10	11	12	13	14	15	16	18	19	20	21	22	23	24	25	26	27	43	44	45	46	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
12.2 - 19.0 AUGITE PORPHYRY DIORITE w/ MEGACRYSTS:	P				0	0	0	0			1	2	2	0							Ø	V	D	N																								
lt grey (bleached), H=6, massive, porph. text. 20% mafic phenos (Hbl & Px)																																																
0.5 - 7mm anh/subh. 80% grn equigran rilline, f.g. grn. comp	P				1	2	2	0			1	9	0	0		7	6	M	C		P	P	D	R	1	2	1		P	1	L	)	P	1			D	·	<	·								
60% plag, 10% mafics, 5-10% qtz, + traces dis. py.	L															3	2	R	2						4	X	5							P	2				<	=								
Alth: chl - perv. but weak repl of mafics. Cb - traces as fract fill	N				1	6	9	0			1	7	1	6							F	A	L	T																								
ser.: perv & weak repl of plag. Sil + weak & perv.	A	1			1	6	6	0			1	7	1	0					A	5	8	7	6																										
12.2 Casing																																																
16.9 - 17.1: Fault gouge, no change in mineralization, pasty & 100% gouge, lt. grey.																																																
19.0 - 27.9: AUGITE PORPHYRY DIORITE:	P				1	9	0	0			2	7	9	0							P	P	D	R					P	2	L	)	P	1			D	·	<	·								
medium green, massive, H=6, porph. text, foliated & faulted where	L																																P	1					<	=								
ind. in the endo. Possibly and. flow because of dk grn color.																																																
Contact w/ megacrystic unit is gradational, is marked by	D				1	9	0	0			1	9	4	0		9	9	S	1						0	2	1																					
the increase in mafic phenos but decrease in size, large phenos													8	7				R	3						0	2	0																					
make up 5% of rx until ≈ 21.0m then there are only traces.	N				1	9	4	0			2	0	5	0		6	1			X	F	A	L	T	0	2	1		P	1	L	1					D	·										
30% subh - anh px or hb phenos 0.5 - 5mm (most ≈ 2mm)	L															1	1	R	1						X	X	X						P	2					<	1								
70% f.g. grn. w/ 50% plag (anh), 15-20% mafics (chl),	A	1			1	9	4	0			2	0	5	0					A	5	8	7	7																									
traces of anh qtz (1mm) + traces py.	D				2	0	5	0			2	1	2	5		9	0	S	1						0	1	0				P	1					D	)	<	)								
Alt'n: chl - perv & weak repl of mafics, <1% cb units,	L															1	5	R	2						X	X	X												<	1								
perv & wk to med ser repl of plag. Perv & weak silicification	N				2	1	2	5			2	1	5	5		6	0			X	F	A	L	T	0	0	0		P	2	L	1																
	L															0	0	R	1						X	X	X						P	2					<	1								
20.55 - 24.0: The unfaulted rx, which is lim. stained (carb	A	1			2	0	5	0			2	1	5	5					A	5	8	7	8														D	)	<	·								
altd) contains 1% py dis in grn + stringers	D				2	1	5	5			2	2	5	5		8	0								0	0	0				P	1																
	L															3	0	R	2						X	X	X										D	)	<	)								
	N				2	2	5	5			2	3	0	5						7	F	A	L	T					P	3	L	)																
	L																																P	2					<	1								
	A	1			2	1	5	5			2	4	0	0					A	5	8	7	9						P	1	P	1																

SP 1988

PLACER DOME INC.

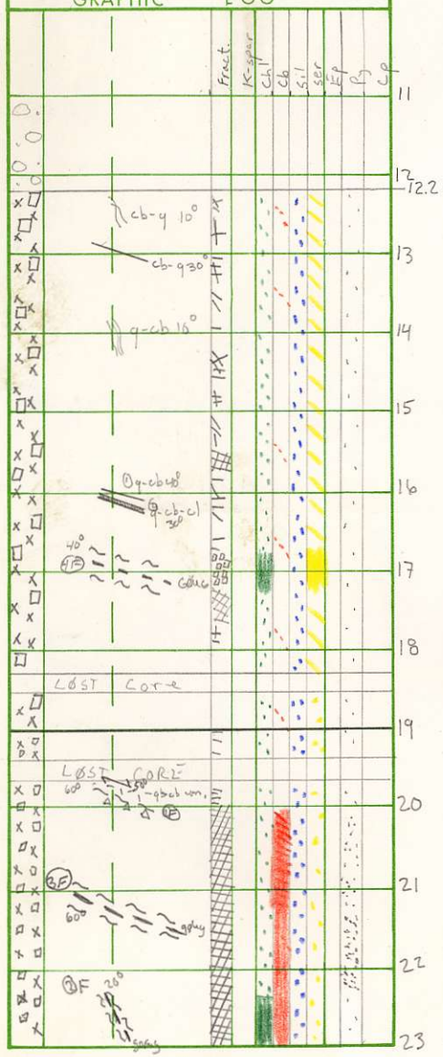
(Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE OF
IDEN6B0201 V216	DDH-8		MAP										2 / 1

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T						

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



		FROM						TO						RECOV.			T-MOD		%MIX	ROCK				QZ VEINS S	M	L	tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS																			
1	4	5	6	7	8	9	10	11	12	13	14	15	16	18	19	20	21	22	23	24	25	26	27	43	44	45	46	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
/																								FRACTURES				C	L	C	B	S	I	K	F	P	1	P	2	P	3								
														RQD						CS																											
L																												E	P	S	E	S	P			C	P	L	I	M	A								
A														RECOV.			SS=Sample Serial No.						27	28	29	30	31	32																				

DESCRIPTIVE REMARKS	1	4	5	6	7	8	9	10	11	12	13	14	15	16	18	19	20	21	22	23	24	25	26	27	43	44	45	46	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
12.2 - 19.0 AUGITE PORPHYRY DIORITE w/MEGACRYSTS:	P				0	0	0	0			1	2	2	0							D	V	D	N																								
lt grey (bleached), H=6, massive, porph. text. 20% mafic phenos (Hbl & Px)																																																
0.5-7mm euh/subh. 80% gm equigran xlline, f.g. Gm. comp	P				1	2	2	0			1	9	0	0		7	6	M	C		P	P	D	R	1	2	1		P	1	<	)	P	1			D	·	<	·								
60% plag, 10% mafics, 5-10% qtz, + traces dis. py.	L															3	2	R	2						4	X	5						P	2					<	=								
Alth: Chl-perv. but weak repl of mafics. Cb-traces as fract fill	N				1	6	9	0			1	7	1	6							F	A	L	T																								
ser.: perv + weak repl of plag. Sil-weak + perv.	A	1			1	6	6	0			1	7	1	0					A	5	8	7	6																									
12.2 Casing																																																
16.9 - 17.1: Fault gouge, no change in mineralization, pasty + 100% gouge, lt. grey.																																																
19.0 - 27.9: AUGITE PORPHYRY DIORITE:	P				1	9	0	0			2	7	9	0							P	P	D	R					P	2	<	)	P	1			D	·	<	·								
medium green, massive, H=6, porph. text, foliated + faulted where	L																																P	1					<	=								
ind. in the code. Possibly and. flow because of dk grn color.																																																
Contact w/ megacrystic unit is gradational, is marked by	D				1	9	0	0			1	9	4	0		9	9	S	1						0	2	1																					
the increase in mafic phenos but decrease in size, large phenos													8	7				R	3						0	2	0																					
make up 5% of rx until ≈ 21.0m then there are only traces.	N				1	9	4	0			2	0	5	0		6	1			X	F	A	L	T	0	2	1		P	1	<	1					D	·										
30% subh-anh px or hb phenos 0.5-5mm (most ≈2mm)	L															1	1	R	1						X	X	X						P	2					<	1								
70% f.g. gm. w/ 50% plag (anh), 15-20% mafics (chl),	A	1			1	9	4	0			2	0	5	0					A	5	8	7	7																									
traces of anh qtz (1mm) + traces py.	D				2	0	5	0			2	1	2	5		9	0	S	1						0	1	0				P	1					D	)	<	)								
Alt'n: chl-perv + weak repl of mafics, <1% cb units,	L															1	5	R	2						X	X	X												<	1								
perv + wk to med ser repl of plag. Perv + weak silicification.	N				2	1	2	5			2	1	5	5		6	0			X	F	A	L	T	0	0	0		P	2	<	1																
	L															0	0	R	1						X	X	X						P	2					<	1								
20.55 - 24.0: The unfaulted rx, which is lim stained (carb	A	1			2	0	5	0			2	1	5	5					A	5	8	7	8															D	)	<	·								
altd) contains 1% py dis in gm + stringers	D				2	1	5	5			2	2	5	5		8	0								0	0	0				P	1																
	L															3	0	R	2						X	X	X										D	)	<	)								
	N				2	2	5	5			2	3	0	5						7	F	A	L	T					P	3	<	)																
	L																																P	2					<	1								
	A	1			2	1	5	5			2	4	0	0					A	5	8	7	9						P	1	P	1																
	1	4	5	6	7	8	9	10	11	12	13	14	15	16	18	19	20	21	22	23	24	25	26	27	43	44	45	46	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76

SP 1988

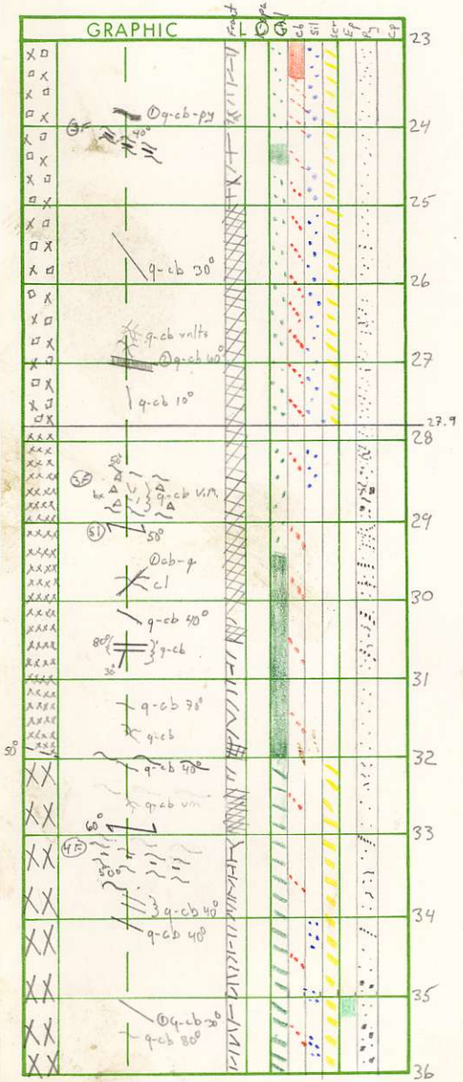
PLACER DOME INC.

(Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
IDEN6B0201 V216	DDH-8			MAP										3	11

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T						

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE



DESCRIPTIVE REMARKS	FROM	TO	RECOV.	T-MOD	% MIX	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
D ~23.5 decrease in ch & lim. staining - out of weathering.	24.0	25.5	90		6		020	P3 <1 D· <x
5cm fault (T.W) D ≥24.0m.			00	R1			120	P1 <+
24.0 - 25.5 - 1% dis py in g.m & stringers.			84				021	P1 <) D) <)
			24	R2			241	P) <·)
				A5	880			
25.5 - 27.9: weakly falt'd D 50°, perv. & wk silicific'n. 1% dis py,			83	S1				D) U* <)
1-2% py vnlts, & 0.5% euhe py. Py vnlts are parallel to foln.			29	R3				<)
1-2% q-cb v.m.								
D 27.9 contact is broken up ∴ poss. shear D 60°.				A5	881			
27.9-32.0: FINE GRAINED DIORITE!	27.9	32.0						P1 <) P1 D) U· <)
lt grey/green, H=6, massive, weakly falt'd where indicated, equigran text.								P* <)
Pervasive & weak->mod silicific'n has overprinted most of original text			55			FALT	110	P2
thus min ident is diff. Protolith prob 70% plag, 10-20% mafic (px or hb)			00	R1			xxx	
& 1-5% qtz. grains are all .5-1mm subh to anh shape.			90				010	
Mafics repl by chl, rx cut by q-cb vnlts, plag poss. repl part. by ser.			40	R2			231	
1-2% py as vnlts, dis in g.m & traces of euh py				A5	882			
D28.4 FALT + end of sil & start of perv. chl (D 29.4)								
D 32.0 gradational contact w/ C.G.D.R.	29.4	32.0	92	S1			132	P3
			36				xxx	
				A5	883			
32.0 - 39.0 COARSE GRAINED DIORITE								
dk green, H=5, massive, falt'd near faults, equigran text. 70%						CGDR		P3 <) Q1 D· U· <·
plag 0.5-3mm (avg 2mm) subhedral laths. 20-30% mafics (px or hb)								P2 <*
.5-4mm (avg 2-3mm) subhedral. 3-5% qtz, traces dis py.			71	S1			010	<)
chl repl of mafics - strong & perv., cb as fract fill, ser mod repl'd plag.			14	R2			xxx	<1
33.4-33.6 fault 10cm (T.W) w/ gouge, 32.0-33.0 v. broken up,				A5	884			
falt'd & lim. stained ⇒ sheared by fault.			99			FALT	020	P3 <1 D· <·
32.0-39.0 patchy sil reflected by silic'n of plag laths.			00	R1			120	P2
35-36: ~1% euhedral py & traces of dis.			91				131	
			25				562	
				A5	885			

SP 1988

PLACER DOME INC.

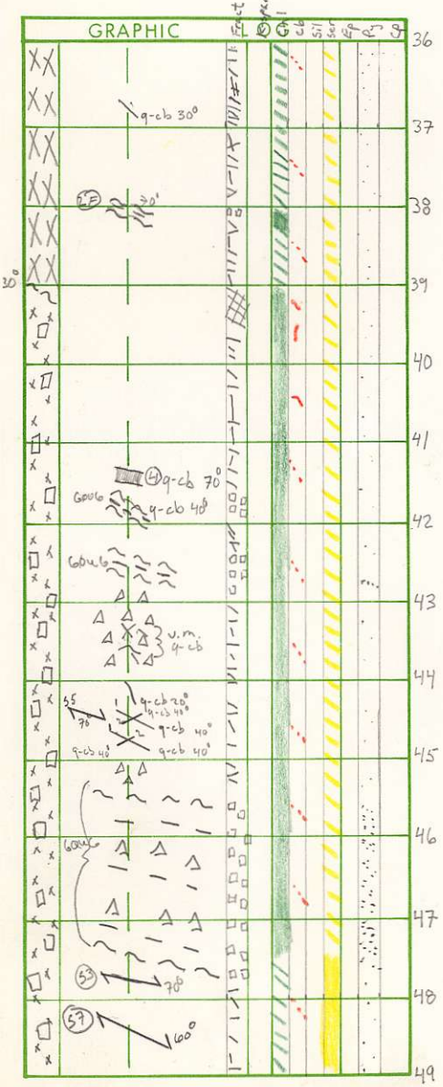
(Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME—HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
IDEN6B0201 V216	DDH-8			MAP										4	11

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T						

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC



| | | FROM | | | | | | TO | | | | | | RECOV. | | | T-MOD | | % MIX | ROCK | | | | QZ VEINS S | M | L | tot | FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---

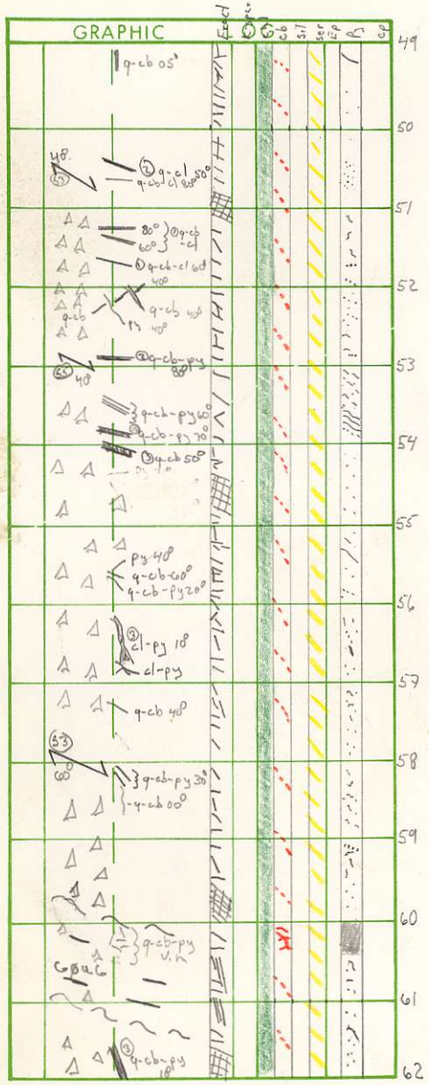
PLACER DOME INC.

(Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID	AZIMUTH	PAGE	OF
IDEN6B0201	V216		DDH-8	MAP											5	11

DRILL COORD SYSTEM	UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S		T						

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE



		FROM						TO						RECOV.			T-MOD		% MIX	ROCK				QZ VEINS S	M	L	tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS																							
1	4	5	6	7	8	9	10	11	12	13	14	15	16	18	19	20	21	22	23	24	25	26	27	43	44	45	46	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
/																												C	L	C	R	S	I	K	F	P	1	P	2	P	3						
														RQD						CS				FRACTURES S	M	L	tot																				
L																												E	P	S	E	S	P			C	P	L	I	M	A						
														RECOV.			SS=Sample Serial No.						27	28	29	30	31	32																				

DESCRIPTIVE REMARKS	A	1	4	5	6	7	8	9	10	11	12	13	14	15	16	18	19	20	21	22	23	24	25	26	27	43	44	45	46	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
49.8-52.80: ~0.5% dis py + traces of py vnlts.	D					4	9	1	0			5	0	7	0		8	8				5	3			0	1	0																					
52.8-54.0: 2-3% py vnlts & stringer parallel to foln 058	L																4	5	R	2						2	4	2																					
~1% q-cb v.m.	D					5	0	7	0			5	3	0	0		7	4				B	X			0	1	1																					
	L																5	2	R	1						3	3	3																					
54.0-57.3: dis py is found on chloritized mafic phenos (1%) &	A	1				4	9	8	0			5	2	8	0					A	5	8	9	1																									
as fract fill & stringers. The matrix of the fault bx is extremely	D					5	3	0	0			5	4	0	0		9	9				B	X			1	4	1																<	+				
chloritized - it's black. 1-2% cb-q v.m.	L																9	0	R	1						0	2	0																					
	A	1				5	2	8	0			5	4	0	0					A	5	8	9	2																									
57.3-60.0: 2-3% py dis in relict mafic phenos & 2-3%	D					5	4	0	0			5	4	3	0		8	0	S	5						0	1	0																					
vnlts. ~1% cb-v.m.	L																4	0	R	2						X	X	X																					
	D					5	4	3	0			5	7	3	0		9	9				B	X			2	3	1		P	5							D	*					<	+				
60.0-60.4: v. chloritized gouge w/ 30% cb q v.m	L																5	7	R	1						X	X	X						P	3														
which contains 20-30% py.	A	1				5	4	0	0			5	7	3	0					A	5	8	9	3																									
60.4-61.9: 2-3% dis py in stringers & vnlts.	D					5	7	3	0			5	8	7	0		8	6				5	3			1	3	1										D	+					<	+				
1-2% q-cb v.m.	L																8	4	R	2						1	3	1																					
	A	1				5	7	3	0			6	0	0	0																																		
	D					5	8	7	0			6	1	9	0		9	9								3	1	1		P	5							D	+					<	+				
	L																3	4	R	1						4	3	1						P	3														
	A	1				6	0	0	0			6	0	4	0					A	5	8	9	4																									
	A	1				6	0	4	0			6	1	9	0					A	5	8	9	5																									

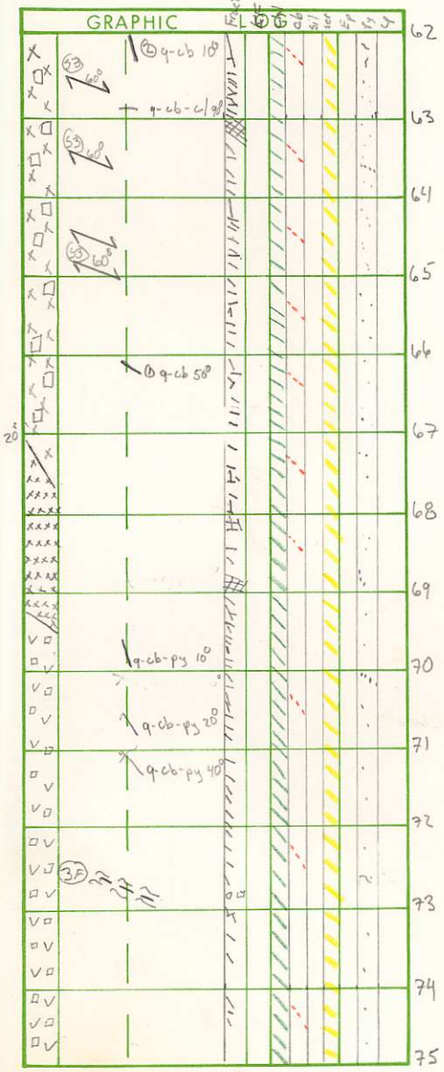
PLACER DOME INC.

(Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME-HRS.	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
IDEN6B0201 V216	DDH-8			MAP										6	11

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T						

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE



	FROM	TO	RECOV.	T-MOD	% MIX	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23		24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/								CL CB SI KF P1 P2 P3 P∅
			RQD			CS	FRACTURES S M L tot	
L								EP SE SP CP LIMA
			RECOV.	SS=Sample Serial No.		27	28 29 30 31	32

A	DESCRIPTIVE REMARKS	1 4	5 6	7 8	9 10	11 12	13 14	15 16	18 19 20	21 22 23	24 25 26	27	43 44 45 46	57 58	59 60	61 62	63 64	65 66	67 68	69 70	71 72	73 74	75 76
	61.2-65.3 : 2-1% dis py as vnlts + dis.	D		61	90		65	30	70	55			021										
	1% q-cb v.m.	L							37	R2			352										
		A1		61	90		65	30		A5	896												
	65.3 : END OF SHEARING	D		65	30		67	20	99				010										
		L							89	R2			131										
	@ 67.2 sharp contact @ 20° w/ F.G. DR.																						
	67.2 - 69.2 FINE GRAINED DIORITE	P		67	20		69	20	100		FGDR		010	P4	<·			D·					
	lt green, H=5, massive, equigranular - g.s <1mm.	L							55	R2			231			P3							
	70% plag anh, 30% mafics (px or hb), traces py,	A1		67	20		69	20		A5	897												
	mafics chloritized strong + perv. Plag strong + perv																						
	altn to ser. Assayed because of dis. py along fract surfaces																						
	@ 69.2 sharp contact @ 40° w/ Augite Andesite																						
	69.2 - 108.5 AUGITE PORPHORY ANDESITE	P		69	20		108	50			PPAN			P3	<)								
	lt green/grey, H=5, massive, porph. text. 30% mafic (px or hb)	L														P3							
	phenocs set in a f.g. gm, which is comp of 65% plag + 5% mafics																						
	+ traces py.	D		69	20		74	20	98				120					D·		<·	P∅		
	chlorite has replaced mafics + sericite the plag. cb (<1%)	L							90	R2			341								D)		
	as fract. fill.	A1		69	80		71	10		A5	898												
	1-2% dis. po replacing mafic phenocs, there are	A1		71	10		71	80		A5	899												
	also trace of py as vnlts + dis in g.m.	A1		72	50		72	80		A5	900												
	71.1 - 71.8 : 3-4% po replacing mafics																						
	72.5 - 72.8 : 1-2% po replacing mafics + 1 py vnlt.	D		74	20		76	00	100	F5										<·			
	69.8 - 71.1 : 2-3% po " " + 3 q-cb-py vnlts	L							100	R2			1										
	73.2 - 74.2 : Rx is more chloritized - more mafics, the contact @ 73.2																						
	is not noticable but @ 74.2 there is a sharp contact @ 30°. The																						
	contact is a reflection of a more mafic unit uphole wards + more																						
	plag (sericitized) downhole wards.																						
		1 4	5 6	7 8	9 10	11 12	13 14	15 16	18 19 20	21 22 23	24 25 26	27	43 44 45 46	57 58	59 60	61 62	63 64	65 66	67 68	69 70	71 72	73 74	75 76

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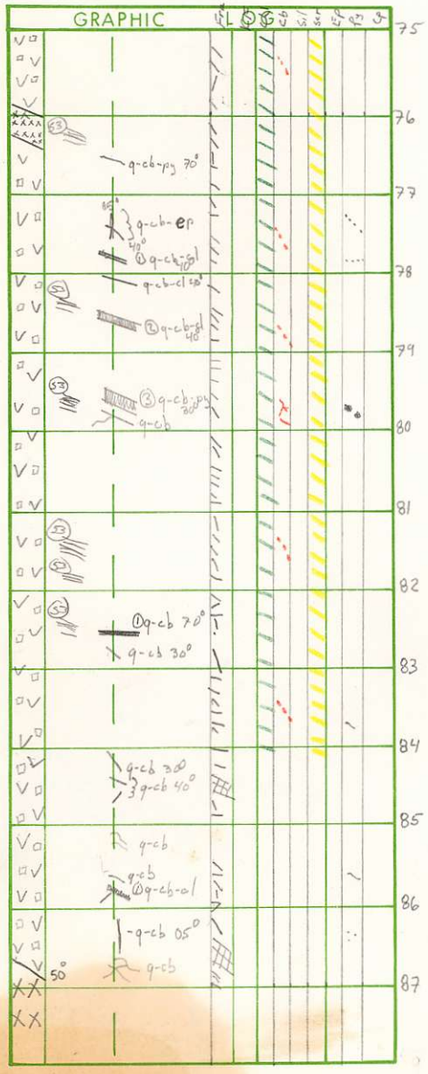
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
IDEN6B0201	V216		D	MAP										7	11

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T						

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC



	FROM	TO	RECOV.	T-MOD	% MIX	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23		24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/								CL CB SI K F P1 P2 P3 PØ
			RQD			CS	FRACTURES S M L tot	
L								EP SE SP CP LI MA

RECOV. | SS=Sample Serial No. 27 | 28 29 30 31 | 32

A

DESCRIPTIVE REMARKS	1 4	5 6	7 8	9 10	11 12	13 14	15 16	18 19	20	21 22	23	24 25	26 27	43 44	45 46	57 58	59 60	61 62	63 64	65 66	67 68	69 70	71 72	73 74	75 76
76.0 - 76.3 : FINE GRAINED DIORITE	N		76	00		76	30	10	0	F5	X	F6	DR			P1	< .								
H grey, massive, H=5, equigran f.g. text. 80% fldsp altd to ser.	L							83		R2								P4							
10-15% matics altd to chl, 2-3% qtz.																									
Rx is foliated w/ same orientation as above (40°), Contacts are																									
sharp ~60° ~~not~~ display no chilled margins.	D		76	30		77	30	10	0	F5				02	0							< .	PØ		
	L							90						03	1	P1	< .						D *		
77.3 - 77.7 : Intermixing of a EGDR dyke & PPAN. The dyke	N		77	30		77	70	10	0		6	F6	DR					P2		D .					
intruded the PPAN. @ ~50°	L							10	0	R2															
77.7 - 81.0 : slight shearing @ 40°, makes c/envelopes.	N		77	30		77	70				4	P P	AN			P3	< .						P6		
77.7 - 79.6 : 1-2% po replacing matics, 1% q-cb v.m.																		P3					D .		
77.6 - 80.15 : 2-3% py in a q-cb vn, 10% q-cb v.m.	D		77	30		81	00	97		S3				13	1							< .	PØ		
	L							84		R2				14	2								D *		
81.0 - 84.2 : chloritic shears make up 40% of this unit,	A1		77	30		79	60			A5	9	0	1												
they range from 1-5cm (T.W). They have not broken	A1		77	60		80	15			A5	9	0	2												
up the rx, noticable because of chlorite. @ 60-70° to CA.	D		81	00		84	20	99		S3				00	1							.	PØ		
Some po occurs as fract fill or has been elongated w/ matics	L							80		R2				33	3								D)		
in the shears.																									
82.3 - 83.9 : 1-2% po rep/ matics & in shears. <1% v.m	A1		82	30		83	90			A5	9	0	3												
	D		84	60		86	90	99		F5				33	1							< .	PØ		
	L							56		R2				34	2								D .		

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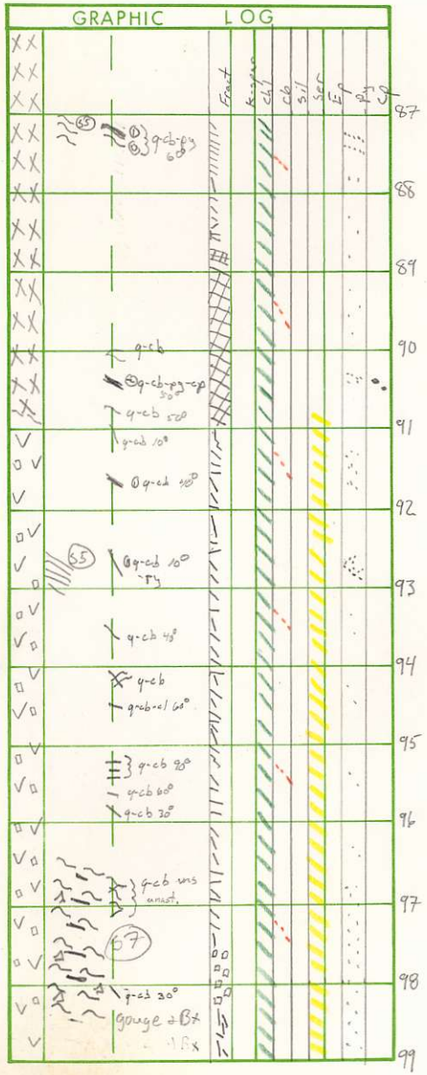
IDEN6B0201														8	11

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	.	.	.	.	.	.

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



	FROM	TO	RECOV.	T-MOD	% MIX	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23		24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/								CL CB SI KF P1 P2 P3
			RQD			CS	FRACTURES S M L tot	
L								EP SE SP CP LI MA
			RECOV.	SS=Sample		Serial No. 27	28 29 30 31	32

DESCRIPTIVE REMARKS

Descriptive remarks	1	4	From				To				RECOV.			T-MOD		% MIX	ROCK				QZ VEINS S	M	L	tot	CL	CB	SI	KF	P1	P2	P3
86.9-90.9 MEDIUM GRAINED DIORITE:	N			8	6	9	0			9	0	9	0		8	5			X	M	G	D	R	1	4	2		P	3	<	)
Black/gray, H=5.5, massive, equigranular text, mg (~1mm)	L														3	5	R	2						X	X	X					
40-50% mafics new chl, 50-60% plag, traces of qtz, traces	A	1		8	6	8	0			8	7	1	0				A	5	9	0	4										
dis py.	A	1		9	0	3	0			9	0	6	0				A	5	9	0	5										
Upper Contact is a shear cntct	A	1		9	1	5	0			9	1	9	0				A	5	9	0	6										
Lower contact rx is to broken up																															
The diorite displays chilled margins in that 10cm thick																															
Fine grained zones are near contacts.																															
86.8-87.1: shearing w/ 5% q-cb v.m & 1% py, traces in veins																															
90.3-90.6: 5% q-cb v.m, cp & py in a 2cm cb-q vein.																															
91.50-91.9: small shear w/ 4% py + 1 q-cb vn out of shear																															
	D			9	0	9	0			9	3	9	0		10	6	S	3						1	2	0					
90.9-93.9: Foliated & occasionally sheared PPAN	L														5	7	R	2						X	X	X					
92.3-92.6: shear zone w/ 5% q-cb v.m, 1 vein 1cm (T.W)	A	1		9	2	3	0			9	2	6	0				A	5	9	0	7										
contains 3% py.																															
	D			9	3	9	0			9	6	4	0		10	0								1	2	1					
	L														9	2	R	2						1	3	2					
96.4-98.3: Shear zone, 80% bx & gouge 20% Foliated																															
PPAN. ~1% dis py.	N			9	6	4	0			9	8	3	0			9	5	7		P	P	A	N					P	3	<	)
- Contacts are sharp & ~60-70°	L																														
	A	1		9	6	4	0			9	8	3	0				A	5	9	0	8										

Descriptive remarks	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
86.9-90.9 MEDIUM GRAINED DIORITE:							D	.			<	.						
Black/gray, H=5.5, massive, equigranular text, mg (~1mm)							<	.										
40-50% mafics new chl, 50-60% plag, traces of qtz, traces																		
dis py.																		
Upper Contact is a shear cntct																		
Lower contact rx is to broken up																		
The diorite displays chilled margins in that 10cm thick																		
Fine grained zones are near contacts.																		
86.8-87.1: shearing w/ 5% q-cb v.m & 1% py, traces in veins																		
90.3-90.6: 5% q-cb v.m, cp & py in a 2cm cb-q vein.																		
91.50-91.9: small shear w/ 4% py + 1 q-cb vn out of shear																		
							D	.			<	.						
90.9-93.9: Foliated & occasionally sheared PPAN																		
92.3-92.6: shear zone w/ 5% q-cb v.m, 1 vein 1cm (T.W)																		
contains 3% py.																		
							D	.										
96.4-98.3: Shear zone, 80% bx & gouge 20% Foliated																		
PPAN. ~1% dis py.							D	)										
- Contacts are sharp & ~60-70°			P	3														

SP 1988

PLACER DOME INC.

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IDEN6B0201 V216	DDH-8			MAP										9	11

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
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ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

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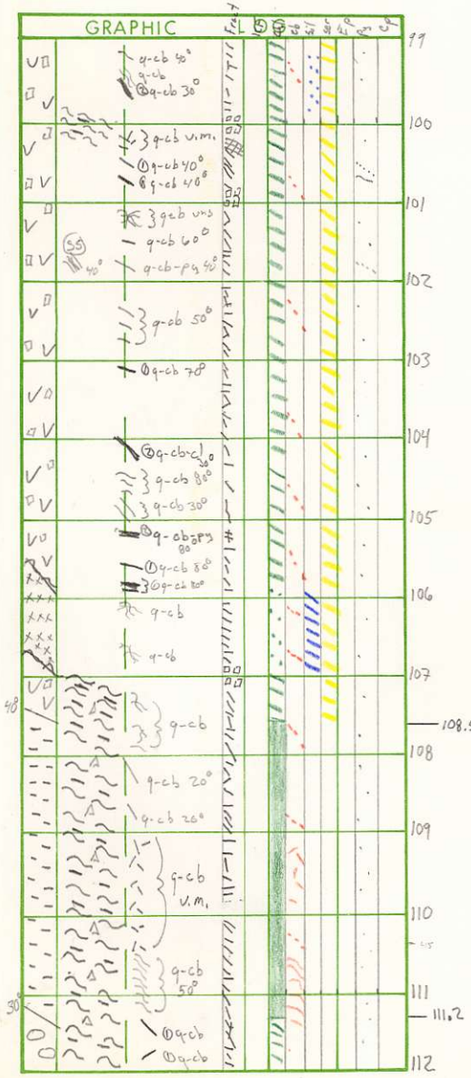

DESCRIPTIVE REMARKS	1	4	5	6	7	8	9	10	11	12	13	14	15	16	18	19	20	21	22	23	24	25	26	27	43	44	45	46	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
99.9-108.1: Shear zone w/ 60% gouge & 40% bx.	D				9	8	3	0			9	9	0	0		9	9								2	2	1																					
10% q-cb v.m & traces dis py, 2 py units	L															9	0	R	2						2	3	1																					
	D				9	9	0	0			9	9	9	0		9	9								1	1	0						P	1			D•											
	L															3	5								1	3	1																					
	N				9	9	9	0		1	0	1	1	0		9	9	5	7	9	P	P	A	IN	1	1	1										D•											
	L															2	0	R	1						X	X	X																					
	A	1			9	9	9	0		1	0	0	3	0					A	5	9	0	9																										
	D			1	0	0	3	0		1	0	0	9	0		9	9								1	1	0										D•											
	L															9	9	R	2						1	2	0																					
	N			1	0	0	9	0		1	0	1	0	5		9	9	5	7	X					2	0	0																					
																0	0	R	1						0	2	0																					
	D			1	0	1	0	5		1	0	4	6	0		9	9	5	3						1	4	2										D•					< •						
	L															8	4	R	2						2	3	2																					
	D			1	0	4	6	0		1	0	5	7	0	1	0	0	B	X						D	0	1										D•											
	L															9	0	R	1						1	3	2																					
D 105.7 Sheared contact 50° w/ MGDR	N			1	0	5	7	0		1	0	6	7	5		9	8			X	M	G	D	R	1	1	0			P	=	<	)	P	2														
105.7-106.75: MEDIUM GRAINED DIORITE, 1% grey, H=6,	L															9	0	R	2						1	3	1							P	3														
equigranular, 80% Feldsp, 20% mafics, chlor'd mafics,																																																	
ser'd plag & mod & perv silicific'n																																																	
D 106.75: Sheared contact w/ sheared PPAN																																																	
	D			1	0	6	7	5		1	0	8	5	0		9	8	B	X						3	4	2										D•											
	L															5	7	R	2						2	4	1																					
108.5 - 111.2: SHEARED ANDESITIC TUFF	P			1	0	8	5	0		1	1	1	2	0	1	0	0	5	7		A	N	A	T	1	X	2			P	6	<	2															
Black, H=4, strong foln D 60° w/ q-cb vnlts (20%) // to foln. Foln	L															7	0	R	2						2	4	2																					
could possibly be // to bedding. Comp is 60-70% chlorite,	A	1		1	0	8	5	0		1	0	9	8	0					A	5	9	1	0																										
aphanitic g.m. Rx is very strong sheared but has not completely gone to gouge,	A	1		1	0	9	8	0		1	1	0	5	0					A	5	9	1	1																										
D 108.5 - gradational contact w/ PPAN	A	1		1	1	0	5	0		1	1	1	2	0					A	5	9	1	2																										
D 111.2 - rel sharp cntct w/ Agglomerate.																																																	
108.5 109.8: 10% q-cb v.m broken up																																																	
109.8 - 110.5: very chloritic gouge - almost tar like.																																																	
110.5 - 111.2: 10% q-cb units // foln.																																																	

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PLACER DOME INC.

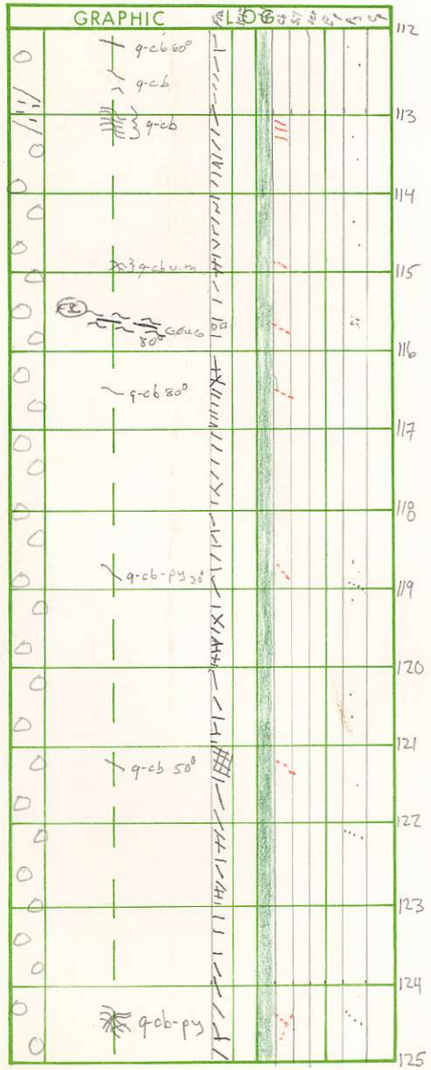
(Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
IDEN6B0201 V216	PPH-8			MAP										10	11

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T						

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC



FROM	TO	RECOV.	RQD	T-MOD	% MIX	ROCK	CS	QZ VEINS S	M	L	tot	FRACTURES S	M	L	tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS																											
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58	59 60	61 62	63 64	65 66	67 68	69 70	71 72	73 74	75 76
/							C L	C B	S I	t F	P 1	P 2	P 3			
L			RECOV.	SS=Sample Serial No.			E P	S E	S P		C P	L I	M A			

DESCRIPTIVE REMARKS	A	1 4	5	6	7	8	9	10	11	12	13	14	15	16	18	19	20	21	22	23	24	25	26	27	43	44	45	46	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
111.2-129.2 : ANDESITE AGGLOMERATIC LAPILLI TUFF	P			1	1	1	2	0		1	2	9	2	0							A	G	L	m					P	6	<	)																
dark green, H=25, 5% bombs, 20% Lapilli, 75% x'll Tuff.	L																																Q	)															
Bombs & lapilli are composed of PPAN & PPAN w/megacrysts.																																																
The unit has been moderately sheared, this is evidenced occasional	D			1	1	1	2	0		1	1	2	8	0		9	9	B	X						0	2	0																					
tectonic brecciation & strong foliation in f.g. parts.	L															8	0	R	2						1	2	2																					
112.8-113.2 : Ash Tuff w/15% q-cb vn/lts // to foln.	N			1	1	2	8	0		1	1	3	2	0	1	0	0	S	7	X	A	N	A	7	X	X	X		P	6	<	1																
The foln is also crenulated.	L															7	5	R	2						1	1	0																					
	A	1		1	1	2	8	0		1	1	3	2	0					A	5	9	1	3																									
113.2-113.4 : Bx'd, 2 patches (1-2cm) of py/cp in																																																
g.m. <1% v.m.	D			1	1	3	2	0		1	1	3	9	0	1	0	0	B	X						0	1	0										D	)										
	L															9	5								0	4	0										D	*										
115.7-115.75 : 4cm (T.W) shear w/ gouge,	A	1		1	1	3	2	0		1	1	3	4	0					A	5	9	1	4																									
q-cb v.m & traces dis py.																																																
	D			1	1	3	9	0		1	1	8	9	0		9	8	F	Ø						0	3	0																					
118.4-118.10 : a py vn/lt @ 118.7 & q-cb-py vein	L															8	9	R	2						1	4	3																					
@ 118.95	A	1		1	1	5	6	0		1	1	5	8	0					A	5	9	1	5T																									
122.5-123.6 : gouge @ 122.5, q-cb-py vn/lt @ 123.1																																																
	D			1	1	8	9	0		1	2	4	0	0		9	9								1	1	1										D	·				<	·					
	L															7	3	R	2						5	5	3																					
	A	1		1	1	8	4	0		1	1	9	1	0					A	5	9	1	6																									
	A	1		1	2	2	5	0		1	2	3	6	0					A	5	9	1	7																									
	D			1	2	4	0	0		1	2	7	9	0		9	9								1	3	0										D	·				<	·					
	L															8	3	R	2						1	4	2																					
	A	1		1	2	4	5	0		1	2	4	9	0					A	5	9	1	8																									
	A	1		1	2	7	4	0		1	2	8	0	0					A	5	9	1	9																									
124.5 - 124.9 : 4 q-cb vns intersecting, 5cm long zone																																																
w/ 5% dis py.																																																
127.4 - 128.0 : Bx'd zone w/ 2% q-cb v.m																																																
& traces of py vn/lts.																																																
		1 4	5	6	7	8	9	10	11	12	13	14	15	16	18	19	20	21	22	23	24	25	26	27	43	44	45	46	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76

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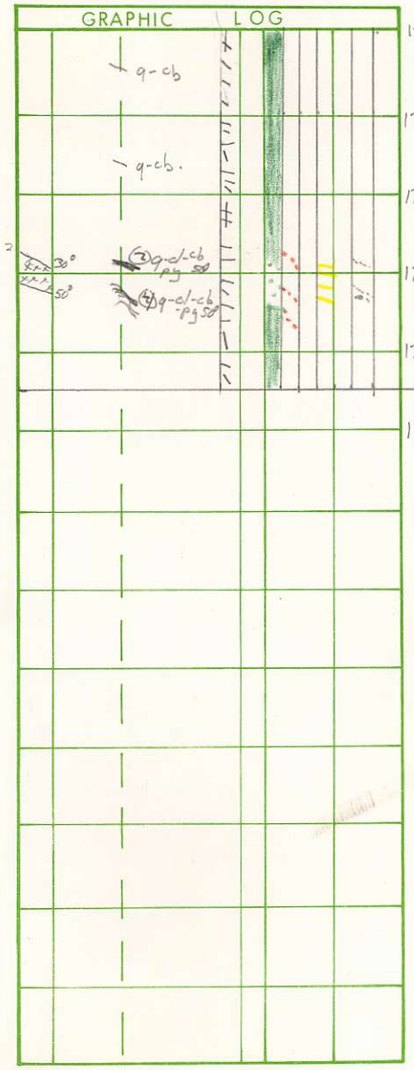
IDEN6B0201	U216	DDH-8		MAP										1	1

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T						

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



	FROM	TO	RECOV.	T-MOD	% MIX	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23		24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/								CL CB SI KF P1 P2 P3
			RQD			CS	FRACTURES S M L tot	
L								EPSESP CPLIMA
			RECOV.	SS=Sample Serial No.			27 28 29 30 31	32

DESCRIPTIVE REMARKS

DESCRIPTIVE REMARKS	1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58	65 66	69 70
127.9-128.25: Intermediate Dyke, lt green, massive,	N	127.9	128.25	100	X	IM/F	010	P1	D.	L*
H=5, equigran text. v.f.g. Traces of mafic (px or hb)	L			80	R2		110			
phenocs which are chloritized. y.m appear sericitized	A1	128.00	128.25		A5	920				
0.5% py in vnlts + traces of dis. in gm.										
Contacts are sharp w/ chilled margins.										
	B	128.25	129.50	106			020		D.	L.
128.25-129.5: 10% q-cb v.m w/5% py.	L			68	R2		141			
	A1	128.25	128.85		A5	921				
END OF HOLE										

SP 1988